



TRICO COMPONENT

PRODUCTS CORPORATION

TORQUE CONVERTER PARTS

2026

TRI COMPONENT PRODUCTS CORP.
973 Brook Avenue, Bronx, New York 10451-4209

Direct phone: 718 402 2400
Customer Service Ext. 209
Phone: 800 FONE TRI
800 366 3874
Fax: 718 402 2345

CONTENTS

Introduction	1-10
1. Aisin AW	1-1
450-43LE	1-2
55-50SN, RE5F22A Nissan, Renault, Saab, Volvo	1-4
AW 80/81-40LE, Toyota / Lexus, U440E	1-5
TF-60SN (VW 09G)	1-6
TF-80SC	1-7
TF-81SC (Ford AF21)	1-8
TR-60SN (VW 09D) Non-Captive Clutch	1-9
TR-60SN (VW 09D) Captive Clutch	1-10
TR-80SD VW /Audi (0C8)	1-11
2. Aisin Seiki	2-1
AS68RC, A465	2-2
3. Allison	3-1
Allison 1000/2000/2400 Series, Early	3-2
Allison MD 3000 Series	3-4
Allison HD 4000 Series	3-5
4. Borg Warner	4-1
11" Industrial	4-2
11" Except U.S.A. Type 1, Models 8, 12 & 35, 65, Early Jaguar	4-6
11" Except U.S.A. Type 2, Models 8, 12 & 35, 65, 66	4-10
11" Models 35, 01 & 10, Rambler, Studebaker, Checker Cab, Willys, Jeep, International	4-12
9-1/2" Models 35, 45 & 55, U.K. (Also Various Industrial)	4-16
BTR	4-18
Bolted Aluminum, Industrial & Ford Passenger Applications	4-19
5. Chrysler	5-1
9-1/2" Non-Lockup, A-404, FWD	5-2
9-1/2" Lockup, A-470, A-670, A-604, FWD	5-4
10" 254mm Lockup, A-606, FWD	5-6
10" 41TE & 42LE	5-8
10-3/4" Non-Lockup, TF-6/A-904 & TF-8/A-727, RWD	5-10
11-3/4" Non-Lockup, TF-8/A-727, RWD	5-14
10-3/4" Lockup, Early, TF-6/A-904 & TF-8/A-727, RWD	5-16
10-3/4" Lockup, Late, A-500, A-518, RWD	5-20
45RFE, 545RFE, A518	5-22
62TE	5-24
68RFE 6.7L Cummins Diesel	5-26
GM, BW, 310mm Lockup, 47RH, 48RE, A618	5-29
6. Ford	6-1
Cast Iron 3 Speed, FMX, AMC, Borg & Beck	6-2
C-3, 10-1/4"	6-6
C-4, 10-1/4", 2 Speed With & Without Ring Gear	6-8
C-4, C-6, 12" & C-4 11-1/4", 2 Speed	6-12
C-5	6-16
A4LD, 4R55E	6-18

CONTENTS

6. Ford (continued)

A4LD, 4R55E, Late	6-22
A4LD Multi-Clutch 4.0	6-24
5R55N, 5R55S, 5R55W	6-28
AOD (FIOD)	6-30
AOD-E, 4R70W	6-32
ATX Lockup & Non-Lockup	6-34
AX4S / AX4N	6-38
AXOD / AXODE	6-40
CD4E	6-42
CD4E 9-1/4", Escape, Tribute 3.0L & 2.3L	6-44
E4OD	6-46
4R100 4 Speed, RWD/4×4	6-50
5R110W, 6 Studs, Early	6-52
Focus FN	6-55
6F35	6-57
6F50/6F55	6-59
6R140	6-61
6R60, 6R75W	6-63
6R75/6R80 Expedition, Lincoln Navigator	6-64
6R80, 260mm (Late)	6-65
6R80, 280mm (Early)	6-67
6R80, 280mm (Late)	6-69
10R80	6-71
Studfinders™	6-72

7. General Motors

228mm Saturn	7-2
245mm Lockup Models: 125C, 180C, 200C, 440-R4, 700-R4 (S-10 Only)	7-4
254mm, TH125, Non-Lockup	7-8
258mm Lockup, 4T65E	7-10
265mm Lockup, 4T60E & 4T80E	7-12
298mm Lockup 250C, 350C, 700-R4, 4L60E	7-14
300mm Lockup, 4L60E	7-18
4L80E, 310mm Lockup (Single & Dual Stator)	7-20
4L80E, 310mm Lockup, Late (Single Stator)	7-24
6L80, 6L80E, 6L90 300mm	7-26
6L90 Captive Clutch	7-28
6T70 / 6T75	7-30
8L90	7-32
TH180 Strassbourg, Trimatic, GM-3, Corvair, Tempest	7-34
TH200	7-36
TH350 Chevrolet, TH 250 (Vega)	7-38
TH350 Buick, Oldsmobile, Pontiac (Includes TH300)	7-40
TH400, Allison AT540, 3L80, 310mm	7-42
Powerglide	7-46

CONTENTS

7. General Motors (continued)	
BMW Lockup 5L40E	7-48
Pilot Program For GM	7-50
8. Honda	8-1
Honda Lockup	8-2
9. Hyundai / Kia	9-1
A4CF1, A4CF2	9-2
10. Industrial	10-1
BW Industrial 310 mm, Lockup & Non-Lockup	10-2
Bearings	10-4
Hubs	10-4
Inner races	10-6
Lockup clutch lining	10-6
Shafts	10-6
Sprags	10-7
Strap	10-9
Turbine Hubs	10-9
Washers	10-9
Parts Not Cataloged Elsewhere	10-9
11. Jatco, Nissan & Other Japanese	11-1
L3N71B, DA-5 (Includes Pulsar Non-Lockup)	11-2
L4N71B, DA-8	11-4
R4A-EL, DA-8-20	11-6
RN3F01A, DA-10, Nissan	11-8
RL4F02A, DA-11, Maxima	11-10
RL3F01A, DA-6, RL4F02A, DA-13	11-12
RE4R01A, DA-18, DA-48 Pathfinder, Altima MPV	11-14
JF403, DA-20, Isuzu Impulse	11-16
RG4R01A, DA-25, Isuzu, Jatco 4 Speed	11-18
RL3F01A Nissan Micra, DA-35	11-20
RL4F03A, DA-28	11-22
RE4R03A, DA-30, 280mm, Infiniti	11-24
RE4R03A, DA-31, 250mm	11-26
RE4F04 A/V, DA-39	11-28
RE5R05A DA-65 Nissan Titan 5.6L 2004-07	11-30
RE7R01A (JR710E) 7 speed, Infinity, Nissan '09 & Up	11-31
JF010E (RE0F09A)	11-33
JF011E (RE0F10A)	11-34
Parts Not Cataloged Elsewhere	11-36
12. Mazda	12-1
F3A FWD, DA-7	12-2
F3A, DA-12-TT, Mazda 323, Mercury Tracer, Laser	12-4
4EAT, DA-15,15L/S, Mazda 323, 626	12-6
4EAT-G4A, DA-16, Mazda 626, Ford Probe	12-8
G4A-HL, DA-17	12-10

CONTENTS

12. Mazda (continued)	
G4A, Ford 4EAT, DA-24	12-12
G4A-EL, Late, DA-29, 34	12-14
4EAT-F, Ford Escort 96-UP, DA-50	12-16
13. Mercedes	13-1
Fluid Coupling & Torque Converter Parts	13-2
722.4, 3.0L MC-15	13-4
722.6, 722.9 Early (272mm & 290mm) 5 Speed MC-18, MC-19	13-6
722.7 FWD, 5 Speed A140, A160, A170, A190, '97-UP	13-10
722.8 FWD, 7 Speed A-Class, B-CLASS	13-11
722.9 Late, 7G-Tronic	13-12
725.0 9G-Tronic	13-14
14. Mitsubishi	14-1
F4A33, CT-13	14-2
F4A42 '98 Galant	14-4
F4A42 CT-26 (Galant '99 & Up) & 4F27E, F4ABL CT-27 (Mazda 626, '99 & Up)	14-6
KM-170 Non-Lockup, CT-5	14-8
KM-175 Lockup, CT-7/8	14-10
KM-175 & 176 Lockup, CT-15, '92 Diamante, Mitsubishi 3000	14-12
KM-175 & 177 Non-Lockup, CT-9	14-14
KM-175-5/177 Lockup, CT-12	14-16
KM-175-5/177 Lockup, CT-12-1, CT-18. Late F4A42 & F4A43, (Galant)	14-18
KM-176 Lockup, CT-11	14-20
15. Renault, Peugeot, Citroen	15-1
Renault (DPO), Peugeot (A4L), Citroen, Early	15-2
Renault (DPO), Peugeot (A4L), Citroen, Late	15-4
Austin AP-2, Mini-Minor, Austin 1100, 1300 Morris	15-6
16. Subaru	16-1
SU-11	16-2
17. Toyota	17-1
A130 Non-Lockup, MX-17	17-2
A131L Lockup	17-4
A140E	17-6
A40/43/44D Non-Lockup, Overdrive	17-8
A41/42DL Non-Lockup	17-10
A42/43/44/45 DE/DL Lockup	17-12
A440F, TO-34	17-14
A440-L, TO-46, '87 Landcruiser	17-16
A340H	17-18
A540E	17-20
18. Volkswagen	18-1
10	18-2
095, 096, Passat	18-4
097, 098, Passat	18-6

CONTENTS

19. ZF	19-1
BMW (Baby, 318), 254mm, BM-12	19-2
ZF4HP16	19-4
ZF4HP18	19-5
ZF4HP20, Mercedes Vito (156200, D29 Stamp) Peugeot, Alfa Romeo 166, (156202, B38 Stamp)	19-7
ZF4HP22 & Chrysler Jeep A999	19-11
ZF4HP22, BM-25, BMW & BM-27, 1990 Jaguar	19-15
ZF4HP24	19-17
ZF5HP19, (Single Friction)	19-19
ZF5HP19 FL Gasoline, Audi A8, 3.8 L	19-21
ZF5HP24, Jaguar, BM-64	19-23
ZF5HP30, 5 Speed, BM-29, BMW 5401, 1993	19-25
ZF6HP19, 245mm	19-27
ZF6HP19, 245mm (LuK), 6L45	19-29
ZF6HP19, 255mm	19-30
ZF6HP21, 245mm (LuK)	19-31
ZF6HP26, 260mm	19-32
ZF6HP26, Jaguar 2.7 V6	19-33
ZF6HP26, 255mm	19-34
ZF6HP26, 275mm	19-35
ZF6HP26, 280mm	19-36
ZF6HP28	19-37
ZF8HP45	19-38
ZF8HP55	19-40
ZF8HP70	19-42
ZF9HP48 (948TE)	19-44
Parts Not Cataloged Elsewhere	19-45
20. Parts Finder	20-1
Balance Weights	20-2
Bearings	20-4
Bolts, Nuts & Struds	20-9
Bushings	20-10
Clutch Plates	20-13
HubCaps®	20-19
Linings	20-20
Ring Gears	20-25
Rivets	20-28
Rollers	20-30
Springs, Accordion	20-31
Seals (D-Rings, O-Rings, PTFE, MCS, Special Design)	20-33
Shims	20-40
Sprags	20-43
Bearing races and retainers	20-47

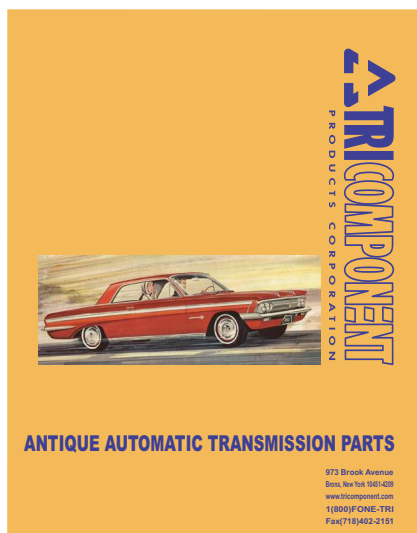
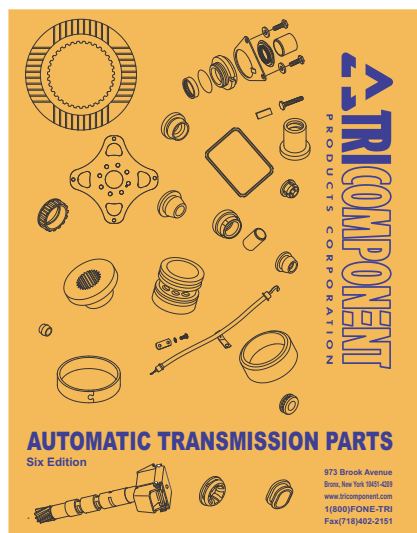
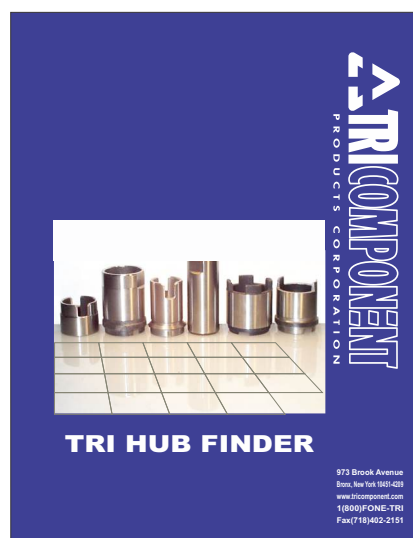
CONTENTS

21. Interchange	21-1
22. Index	22-1
23. Antique Torque Converter	
Borg Warner D.G.	*
Chrysler Fluid drive	*
Chrysler TorqueFlite 8 (Iron) 1956-'61, PowerFlite 1953-'61, Industrial	*

* - Available on the www.tricomponent.com or as printed option by request. Contact your Tri Pro.



Get these great catalogs from your Tri Pro!



Tri Component Products Corp. 973 Brook Ave. Bronx, NY 10451, 800-366-3874, 718-402-2400, Fax 718-402-2345

www.tricomponent.com

TO OUR VALUED CUSTOMERS

Welcome to the most advanced Torque Converter Parts Catalog ever produced. In both content and presentation we have brought you the world's most complete line of parts in easy to find format, a concept pioneered over 50 years ago.

You will find practically all models actively on the road plus industrial. For past models and antiques we refer you to our prior catalogs which are available on request. Older model parts will continue to be available as long as there is a demand. The High Performance catalog is available upon request.

Your feedback is solicited to suggest additions, corrections and the need for new model cataloging.

Your Tri Component representative and the entire Tri organization stand ready to supply all your needs and thank you for you continued patronage that have made all this possible.

Tri catalogs are available on the tricomponent.com website and as printed catalogs per customer's request.

Sincerely, the Tri Team



WARRANTY

Tri Component does not guarantee the suitability of any parts in a particular application.

It is the responsibility of the customer to be satisfied that the selected part will function satisfactorily in a given application or set of operating and installation conditions.

Parts are warranted to perform as anticipated. If unsatisfactory performance is experienced we will return the purchase price only.

No labor, transportation or other claims are recognized. Warranty does not apply to misapplication, modification or improper installation by the user.

Warranty is good for 1 year after purchase.

ENGINEERING NOTE:

Throughout Tri Component publications you will find references to converter diameter. This dimension always refers to turbine diameter, which is consistent with engineering practice the world over.

In some of our customer catalogs the converter diameter refers to the major external diameter. This dimension is never used in our publications.

To avoid confusion, always measure the turbine diameter when ordering part.

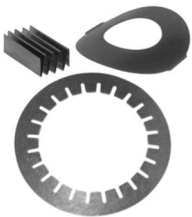
Items not yet in stock are in production planning. Your Tri Component representative will advise availability as per your requirements. Your suggestions for additional items will be directed to engineering.
--

ADVENTURE IN TORQUE CONVERTER PARTS BY TRI COMPONENT

Over four decades of leadership and innovation have created an entire industry, solving the most difficult challenges daily. Our advanced research and production facility is dedicated to the converter rebuilder.

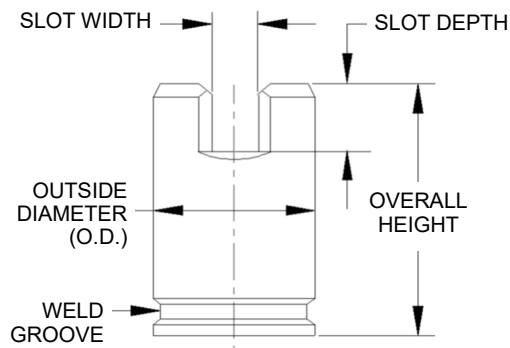
ILLUSTRATION	DESCRIPTION	RELATED PARTS
IMPELLER HUBS  <i>Made in USA</i>	The Premier line of hubs using the finest steels and most advanced heat treating processes. All passenger and industrial applications. Custom designs produced in a matter of days heat in our plant	Hubcaps® Bushings
TURBINE HUBS 	All applications - exclusive thru-hard treatment. Passenger, industrial, high performance and custom designs	Rivets Spline Inserts Custom Broaching
O - RING & SEALS 	Covering all applications for all makes. Viton® O-rings, metal clad seals, Teflon® seals, scarf-cut designs	Teflon® Coating Backup rings Lip Seals
BEARING & RACES 	OE and heavy duty designs for most applications. Many problem solvers available, resulting in true upgrades.	Bearing Kits Shims
TRUST WASHERS 	Bronze, steel, fibre, plastic. Many applications selective sizes.	Shims
STATOR CAPS 	Plastic and aluminum for all applications using latest high temperature materials and designs.	Bearing Adapters

ADVENTURE IN TORQUE CONVERTER PARTS BY TRI COMPONENT

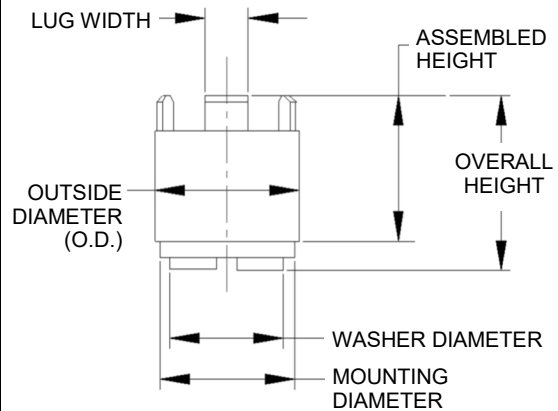
ILLUSTRATION	DESCRIPTION	RELATED PARTS
SPRINGS 	Tri is an OE approved accordion spring source, producing all applications, and is the innovator of many production methods. It is the only source for GM heat treated lockup wave springs -clearly superior.	Rollers Coil Springs Diaphragm Springs
RING GEARS 	The full line, including antiques and imports - high volume assures most favorable pricing.	Ford Chrysler Borg Warner Japanese
LOCKUP CLUTCHES 	Complete new clutches in latest designs. Applications include Ford, Mercedes and Fichtel and Sachs. Customized price / delivery programs. Independently produced to assure continued availability.	Custom Bonding Damper Components Damper Assemblies
LOCKUP LININGS 	Our full line of lining products include Kevlar®, red, carbon and grooved. We also supply high carbon linings designed to satisfy the latest OE requirements. Tri is the leading aftermarket supplier of the LockJoint™ linings using the process utilized by all European OEM s. This technology enables the use of premium materials without a price penalty. Tri is the innovator , is the first supplier of environmentally, non-solvent adhesives. We have never supplied or used materials that are a health or safety hazard. Tri - the company that is decades ahead.	Bonding Supplies Technical Assistance

HUB TALKSM BY TRI COMPONENT

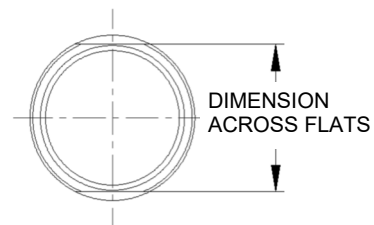
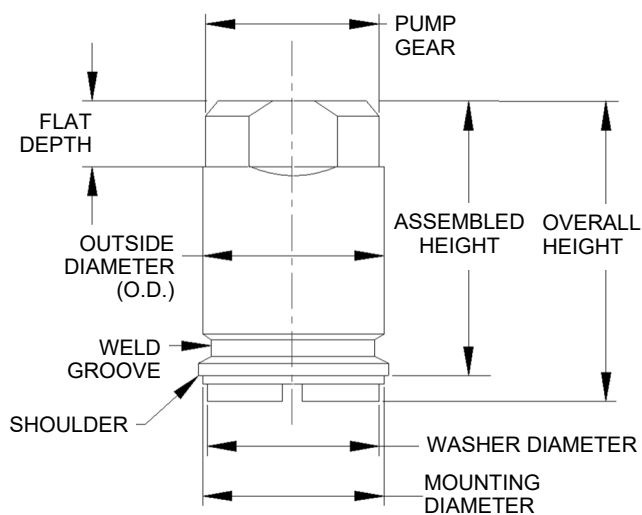
BUTT STYLE HUB WITH SLOTS



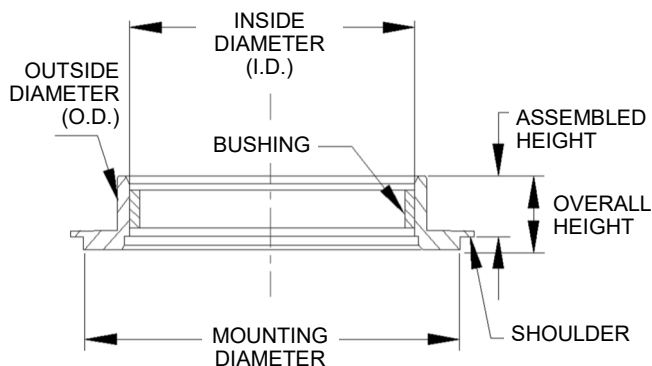
THRU STYLE HUB WITH LUGS



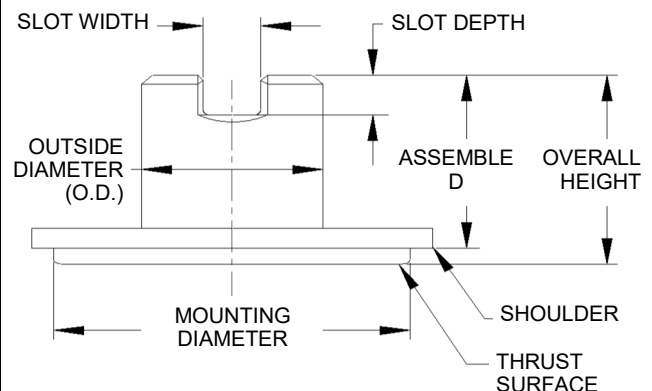
THRU STYLE HUB WITH FLATS



BUSHING TYPE HUB



FLANGED HUB WITH SLOTS



Tri will make your hub your way - any specification!

CUSTOM SERVICES



BROACHING -

G.M. turbines are rebroached from 27 splines to 30 splines, quickly and accurately. We will also broach turbine hubs and inner races for your special requirements - no minimums.



REBONDING -

All lockup clutches are bonded with rapid turnaround time. All popular lining materials: Red, Green (Kevlar®), Black (carbon) and High Carbon. Latest bonding adhesives and technology to assure a secure bond.

Fast turnaround, special attention to unique and difficult situations.

CORE EXPRESS	FROM: COMPANY
_____	ADDRESS _____
_____	_____
_____	_____
_____	RUSH TO: _____
_____	
_____	973 Brppk Ave.
_____	Bronx, NY 10451-4209

Ask your Tri Pro for a supply of Core Express SM R & R labels.

CUSTOM MANUFACTURE -

Hundreds of parts are produced for customers with unique requirements, to their samples or drawings. The vast Tri Component manufacturing facility is at your service and visitors are always welcome.



SPECIAL BONUS -

We are just ten blocks from Yankee Stadium and we will be glad to accompany you to games upon your visit.

TRI COMPONENT PART NUMBERING SYSTEM

T X - 13 - 25 HT			
1 MAKE	2 DESCRIPTION	3 NO.	4 SUFFIX
A - Asin AW	B-18 - Bushing	Starting from “1” to the next available number.	A - Alternate design or revision
B - Borg Warner	C-5 - Sprag		B - Bronze, Black (Hubcap®)
C - GM Powerglide	H-1 - Impeller Hub		BU - Blue (Hubcap®)
D - Chrysler Fluid Drive	O-25 - Seal		F - Fibre
E - Citroen	R-7 - Roller		FL - Flanged (Hub)
F - Ford	S-6 - Spring		G - Finished (Hub)
H - Mercedes	W-2 - Bearing, Race, Shim		GRC - Finished and heat Treated (Hub)
J - Jatco, Mazda, Japanese	W-3 - Washer, Stator		HT - Heat treated
K - Hyundai/Kia	W-4 - Stator Cap		HD - Heavy duty
M - Industrial	W-9 - Washer, turbine		J - Lock Joint linings
N - Honda	X-5 - Stator		K - Kit
P - ZF	X-8 - Turbine		L - Long
R - Renault	X-10 - Stud, Bolt, Mounting Pad		M - Modulated (grooved) (grooved) linings
S - GM (Except PG)	X-11 - Drain Plug		P - Plastic
T - Chrysler, Mitsubishi	X-12 - Rivet		RC - Heat treated
V - Volkswagen	X-13 - Turbine Hub		S - Steel, Special
W - Borg Warner, BTR	X-14 - Inner Race		X70 - .070 Thickness (lining)
Y - Toyota	X-15 - Outer Race, Cam		X - Unfinished
Z - Fiat	X-17 - Pilot, Sleeve		Additional: A thru G - Selective thickness
Exceptions:	X-20 - Snap Ring		
B - Bolt	X-22 - Cover, Lining		
MHC - Hubcap®	X-22W - Weight		
RG - Ring Gear	X-23 - Pilot, Clutch, Lining		
	X-26 - Floating Ring, Clutch Plates		

STANDARD PACKS

Standard packaging facilitates your inventory and production control.

It also speeds up and improves shipping accuracy.

	Standard Quantity
Accordion Springs	100
Aluminum Washers	10
Bearings	25
Bronze Washers	25
Bushings	25
Conical Washers	25
Damper Springs	100
Drain Plugs	100
Bolts, Nuts & Studs	100
Fiber Washers	100
Friction Rings	.040 Thickness 50
	.070 Thickness 50
Hub Caps®	100
Inserts	25
O-Rings & Seals	100
Phenolic Washers	50
Rivets	100
Rollers	100
Shims	100
Washers, Bi-Metal, Bronze	15
Wave Springs	25
Weights	100

There are no minimums at Tri Component. Custom packaging is also available.

SALES AND RETURN POLICY

All sales are final with exceptions noted as follows:

ERRORS OR DEFECTS - To insure credit , obtain an R/A number (Return Authorization). You will be asked to supply:

- Part number
- Quantity
- Invoice number
- Date
- Reason for return.

The return to be made within 30 days of the R/A.

OVERSTOCK - In exceptional cases only, at the discretion of Tri Component.

Non-resaleable items, friction products and obsolete design parts not acceptable. Restocking charges may apply.

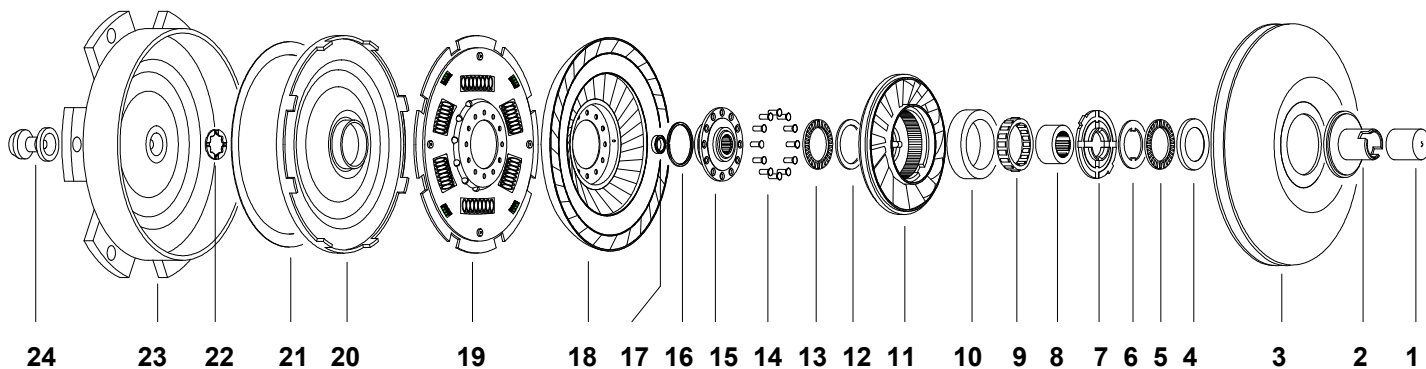
SHIPPING TO TRI - To be prepaid and properly packaged. Damaged or shelfworn product not acceptable.

Sincerely,

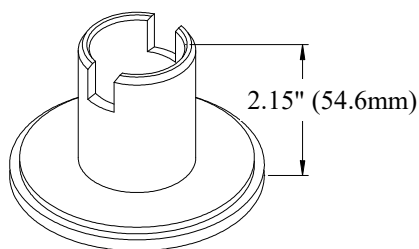
The Tri Team

AISIN AW

AISIN AW 450-43LE



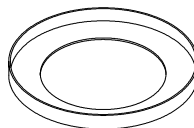
ILL. # 2 IMPELLER HUB, 1.653" (42mm) DIA.



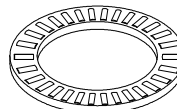
YH-14FLG

ILL. # 4,5,6 RETAINER, BEARING & RACE

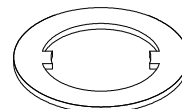
O.D. 2.73" (69mm)	O.D. 2.66" (68mm)	O.D. 2.59" (57mm)
I.D. 1.83" (46mm)	I.D. 1.83" (46mm)	I.D. 1.78" (45mm)
Thick. .03" (0.8mm)	Thick. .14" (3.6mm)	Thick. .10" (2.5mm)



YW-2-12

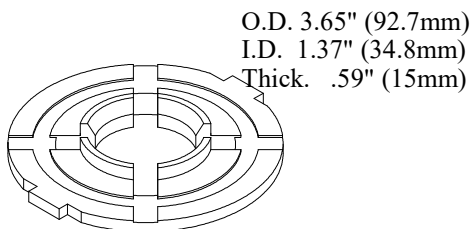


YW-2-11



YW-2-13

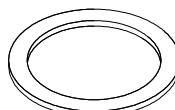
ILL. #7 STATOR CAP



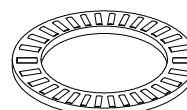
YW-4-12

ILL. #12,13 BEARING & RACE

O.D. 2.69" (68mm)	O.D. 2.61" (66.3mm)
I.D. 2.02" (51mm)	I.D. 1.84" (46.7mm)
Thick. .10" (2.54mm)	Thick. .15" (3.8mm)

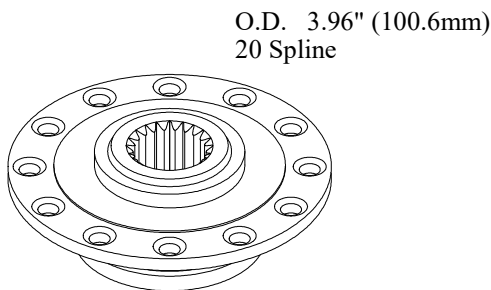


YW-2-14



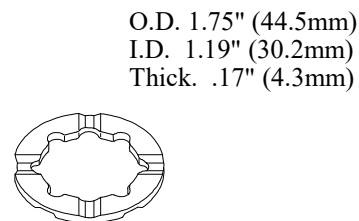
YW-2-15

ILL. #15 TURBINE HUB



YX-13-12HT

ILL. #22 THRUST WASHER



YW-9-5

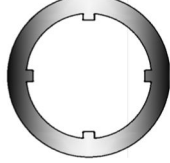
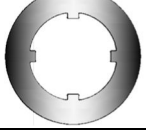
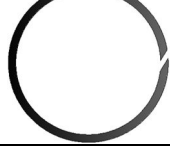
AISIN AW 450-43LE

► DACCO # TO-67, TO-77
► AXIOM TO61

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	For 1.650" Dia. Hubs		MHC-B
2	Hub, Impeller	Flanged, Heat Treated, Rc 32-36		YH-1-14FLG
3	Impeller			
4	Retainer	Bearing, Cupped, 2.73" O.D., 1.83" I.D., .03" Thick		YW-2-12
5	Bearing	2.66" O.D., 1.83" I.D., .14" Thick		YW-2-11
6	Race	2.59" O.D., 1.79" I.D., .10" Thick		YW-2-13
7	Cap, Stator	Aluminum, 3.65" O.D., 1.37" I.D., .59" Thick		YW-4-12
8	Race, Inner	41 Spline (12 Removed), 2.07" O.D., 1.06" High		
9	Sprag	24 Cams		YC-6-2
10	Race, Outer			
11	Stator			
12	Race	2.69" O.D., 2.02" I.D., .10" Thick		YW-2-14
13	Bearing	2.61" O.D., 1.84" I.D., .15" Thick		YW-2-15
14	Rivet	.250" Shank Dia., .625" Long	12	
15	Turbine Hub	20 Spline, 3.96" O.D.		YX-13-12HT
16	Ring, Seal	Teflon®, Straight Cut, 60.8mm x 2.3mm		YO-25-7
17	Seal, Metal Clad	15.5mm x 25mm		YO-25-8
18	Turbine			
19	Damper Assembly			
20	Piston			
21	Lining	11" O.D., 9-9/16" I.D., .045 Thick		YX-23-17K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
22	Washer, Turbine	Bronze		YW-9-5
23	Cover, Front			
24	Front Cover Pilot			

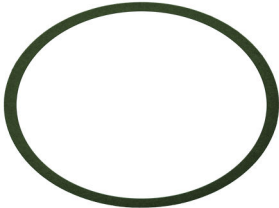
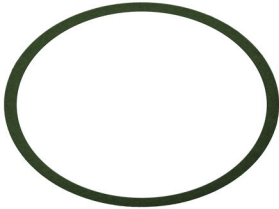
AISIN AW 55-50SN
RE5F22A NISSAN, RENAULT, SAAB, VOLVO

► DACCO # TO-86

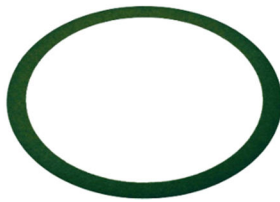
	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hub, Impeller	Butt style, 2 slots, Heat Treated	O.D. 1.500" / 38.1mm Height 1.500" / 38.1mm		YH-1-15GRC Butt Style YH-1-16FLG, Flanged Hub
Bearing	Semi-Enclosed	O.D. 3.44" / 87.4mm I.D. 2.43" / 61.7mm Thick. .13" / 3.3mm		YW-2-18 (Kit YW-2-18K includes YW-2-18 & YW-2-19. Kit YW-2-20K replaces YW-2-18K)
Bearing	Semi-Enclosed	O.D. 2.43" / 61.7mm I.D. 1.50" / 38.1mm Thick. 0.15" / 3.8mm		YW-2-21 (Kit YW-2-21K includes YW-2-21 & YW-2-17 Race)
Race	4 Lugs	O.D. 3.32" / 84.3mm I.D. 2.56" / 65mm Thick. .098" / 2.5mm		YW-2-19
Race	4 Lugs	O.D. 2.35" / 60mm I.D. 1.54" / 39mm Thick. .098" / 2.5mm		YW-2-17
Race, Bearing, Retainer Kit	Replaced by Phenolic Washer YW-9-4B	O.D. 2.12" / 54mm I.D. 1.10" / 28mm Thick. .24" / 6mm		YW-9-4K
Washer	Phenolic	2.29" x 1.11" x .24" 58mm x 28mm x 6mm		YW-9-4B
Seal	Teflon®, Scarf Cut	O.D. 2.73" / 69.3 mm Cross sect. .092" / 2.3mm Thick. .084" / 2.13mm		YO-25-1
Seal	Metal Clad with spring	23.63mm x 15mm x 5mm		YO-25-2
Seal	Metal Clad	23.63mm x 15mm x 5mm		YO-25-12
Lining	Kevlar®	10-1/8"x8-11/16"x .045" 257mm x 220mm x 1.14 10-1/8"x8-11/16"x .070" 257mm x 220mm x 1.78		YX-23-20K* YX-23-20X70K*

* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan

AISIN AW (AW 80/81-40LE) TOYOTA / LEXUS, U440E

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Green	For Hub Dia.: 1-1/2"/ 38.1mm		MHC-G
Seal Ring	PTFE Scarf Cut Turbine Hub	Outside Dia.: 1.263"/ 32.1mm Width: 0.077"/ 2.0mm Height: 0.082"/ 2.1mm		YO-25-9
Lining	KEVLAR®	Outside Dia.: 8.062"/ 203.2mm Inside Dia.: 7.250"/ 184.2mm Thickness: 0.045"/ 1.1mm		SX-23-51K*
Lining	KEVLAR®	Outside Dia.: 8.000"/ 204.8mm Inside Dia.: 7.280"/ 184.9mm Thickness: 0.045"/ 1.1mm		YX-23-26K*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
Turbine Washer	Material: Bronze	Outside Dia.: 1.061"/ 27.0mm Inside Dia.: 0.450"/ 11.4mm Thickness: 0.141"/ 3.6mm		YW-9-8
Bolt	Material: Hardened Steel, Zink Plated 6 Required	M8-1.25 x 12mm		YX-10-1

AISIN AW TF-60SN (VW 09G)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia.: 1-3/4"/ 44.5mm		MHC-BU
Impeller Hub	Flanged, 2 Slots. Material: Hardened Steel	Journal Dia.: 1.720"/ 43.7mm Flange Dia.: 3.996"/ 101.5mm Height: 1.730"/ 43.9mm Assembled Height 1.484"/ 37.7mm		VH-1-4FLG
Bearing	Semi-Enclosed Material: Hardened Steel, Impeller Side	Outside Dia.: 3.440"/ 87.4mm Inside Dia.: 2.430"/ 61.7mm Thickness: 0.129"/ 3.3mm		AW-2-3
Race, Bearing	Material: Hardened Steel. 4 I.D. Tangs Impeller Side	Outside Dia.: 3.310"/ 84.0mm Inside Dia.: 2.560"/ 65.0mm Thickness: 0.098"/ 2.5mm		AW-2-4
Sprag	Material: Steel	Outer Race I.D. 2.522"/ 64.1mm Inner Race O.D. 1.862"/ 47.3mm Width. 0.347"/ 8.8mm 22 Cams		MC-8
Stator Cap	Material: Aluminum Turbine side	O.D. 2.957"/ 75.1mm I.D. 1.467"/ 37.3mm Thick. 0.215"/ 5.5mm		VW-4-6
Seal Ring	Material: PTFE Scarf Cut Turbine Hub	O.D. 1.562"/ 39.7mm Width 0.090"/ 2.3mm Height 0.093"/ 2.4mm		VO-25-3
Lining	KEVLAR®	O.D. 9.250"/ 235.0mm I.D. 7.875"/ 200.0mm Thick. 0.045"/ 1.1mm		JX-23-8K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				

AISIN AW TF-80SC

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Yellow	For Hub Dia. 1-7/8" / 47.6mm		MHC-Y
Bearing	Material: Hardened Steel Enclosed Impeller Side	O.D. 4.449" / 113.0mm I.D. 3.543" / 90.0mm Thick. 0.197" / 5.0mm		AW-2-1
Sprag	Material: Steel 24 Cams	Width 0.336" / 8.5mm Race I.D.: 2.087" / 53.0mm Race O.D.: 2.747" / 70.0mm		YC-6-3
Bearing	Material: Hardened Steel Enclosed Turbine Side	O.D. 4.213" / 107mm I.D. 3.347" / 85.0mm Thick. 0.197" / 5.0mm		AW-2-2
Seal Ring	Material: PTFE, Scarf cut	O.D. 1.559" / 39.6mm Width 0.087" / 2.2mm Height 0.077" / 2.0mm		FO-25-19
Turbine Washer	8 Outer Notches	O.D. 1.484" / 37.7mm I.D. 1.010" / 25.7mm Thick. 0.136" / 3.5mm		SW-9-19
Turbine Washer	8 Outer Notches	O.D. 1.484" / 37.7mm I.D. 1.010" / 25.7mm Thick. 0.154" / 3.9mm		SW-9-21

AISIN AW TF-81SC (FORD AF21)

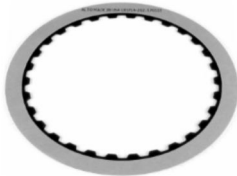
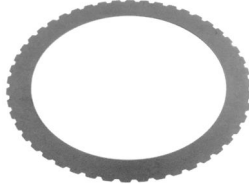
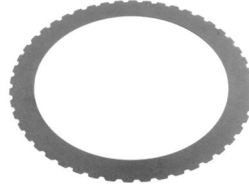
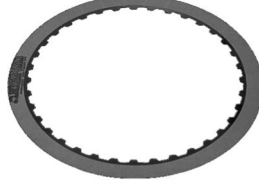
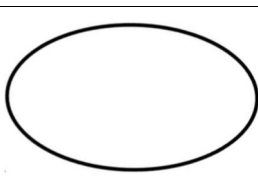
	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Bearing	Enclosed Material: Hardened Steel Impeller side, 11-1/8" Unit	Outer Dia.: 4.449"/ 113.0mm Inner Dia.: 3.543"/ 90.0mm Thickness: 0.197"/ 5.0mm		AW-2-1
Bearing	Enclosed Material: Hardened Steel Turbine side, 11-1/8" Unit	Outer Dia.: 4.213"/ 107.0mm Inner Dia.: 3.347"/ 85.0mm Thickness: 0.197"/ 5.0mm		AW-2-2
Bearing	Semi-Enclosed Material: Hardened Steel, Impeller Side 10-1/4" Unit	Outside Dia.: 3.440"/ 87.4mm Inside Dia.: 2.430"/ 61.7mm Thickness: 0.129"/ 3.3mm		AW-2-3
Seal	PTFE Scarf cut 11-1/8" Unit	Outer Dia.: 1.559"/ 39.6mm Width: 0.087"/ 2.2mm Height: 0.077"/2.0mm		FO-25-19
Lining	KEVLAR® 11-1/8" Unit	O.D. 10.000"/ 254.0mm I.D. 8.750"/ 222.3mm Thick. 0.045"/ 1.1mm		TX-23-17K*
Lining	KEVLAR® 10-1/4" Unit	O.D. 9.375"/ 238.0mm I.D. 8.125"/ 206.4mm Thick. 0.045"/ 1.1mm		FX-23-18K*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
Turbine Washer	8 Outer Notches	Outer Dia.: 1.484"/ 37.7mm Inner Dia.: 1.010"/ 25.7mm Thick. 0.136"/ 3.5mm		SW-9-19
Turbine Washer	8 Outer Notches	Outer Dia.: 1.484"/ 37.7mm Inner Dia.: 1.010"/ 25.7mm Thick. 0.154"/ 3.9mm		SW-9-21

AISIN AW TR-60SN (VW 09D) NON-CAPTIVE CLUTCH

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia.: 1-3/4"/ 44.5mm		MHC-BU
Bearing	Semi-Enclosed Material: Hardened Steel. Impeller Side	Outside Dia.: 3.488"/ 88.6mm Inside Dia.: 2.315"/ 58.8mm Thickness: 0.170"/ 4.3mm		YW-2-23
Race, Bearing	Material: Hardened Steel. 4 I.D. Tangs Impeller Side	Outside Dia.: 3.341"/ 84.9mm Inside Dia.: 2.421"/ 61.5mm Thickness: 0.138"/ 3.5mm		YW-2-24
Bearing	Semi-Enclosed Material: Hardened Steel. Turbine Side	Outside Dia.: 2.854"/ 72.5mm Inside Dia.: 1.732"/ 44.0mm Thickness: 0.150"/ 3.8mm		YW-2-22
Race, Bearing	Material: Hardened Steel. 4 I.D. Tangs Turbine Side	Outside Dia.: 2.703"/ 68.7mm Inside Dia.: 1.839"/ 46.7mm Thickness: 0.118"/ 3.0mm		YW-2-25
Turbine Hub	Material: Hardened Steel	Spline: 24		VX-13-5HT
Seal Ring	Material: PTFE Scarf Cut	O.D. 2.687"/ 68.3mm Width 0.090"/ 2.3mm Height 0.091"/ 2.3mm		YO-25-1
Metal Clad Seal	Material: Steel & Fluorocarbon	Housing Dia.: 1.095"/ 27.8mm Shaft Dia.: 0.755"/ 19.2mm		YO-25-13
Rivet	Material: Steel Solid, Flat Head 12 Required	Shank Dia.: 0.238"/ 6.0mm Length: 0.380"/ 9.7mm Head Dia.: 0.430"/ 11mm		VX-12-1
Lining	KEVLAR®	Outside Dia.: 10.500"/ 266.7mm Inside Dia.: 9.000"/ 228.6mm Thickness: 0.045"/ 1.1mm		YX-23-21K*

** - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan*

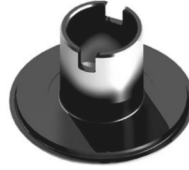
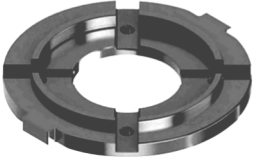
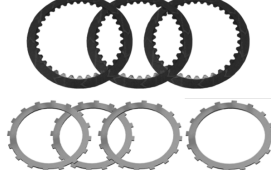
AISIN AW TR-60SN, (VW 09D), CAPTIVE CLUTCH

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Clutch Plate	Friction 30 Internal Teeth, Late	O.D.: 7.033" / 178.6mm I.D.: 5.574" / 141.6mm Thick.: 0.103" / 2.6mm		VX-23-4
Clutch Plate	Steel 48 External Teeth Late	O.D.: 7.350" / 186.7mm I.D.: 5.862" / 148.9mm Thick.: 0.092" / 2.3mm		VX-23-5
Pressure Plate	Material: Steel 48 External Teeth Late	O.D.: 7.350" / 186.7mm I.D.: 5.862" / 148.9mm Thick.: 0.150" / 3.8mm		VX-23-6
Clutch Plate	Friction 36 Internal Teeth Early	O.D.: 10.206" / 259.2mm I.D.: 8.441" / 214.4mm Thick.: 0.147" / 3.7mm		YX-26-3
Clutch Plate	Steel 20 External Teeth Early	O.D.: 10.542" / 267.8mm I.D.: 8.760" / 222.5mm Thick.: 0.126" / 3.2mm		VX-23-2
Clutch Plate	Steel 20 External Teeth Early	O.D.: 10.542" / 267.8mm I.D.: 8.760" / 222.5mm Thick.: 0.197" / 5.0mm		VX-23-3
O-Ring	Material: Fluorocarbon Color: Black Piston, Outer	I.D.: 7.948" / 201.9mm Cross Section: 0.123" / 3.1mm		VO-25-5
Seal Ring	Material: PTFE Color: Black Seal Style: Scarf cut Piston Outer	O.D. 2.052" / 52.1mm Width 0.090" / 2.3mm Height 0.093" / 2.3mm		VO-25-4

AISIN AW, TR-80SD; VW/AUDI, (0C8)

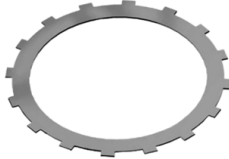
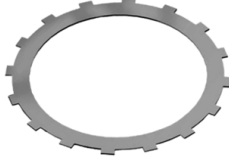
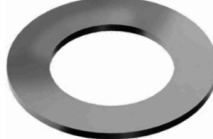
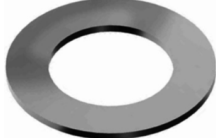
	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia.: 1-3/4"/ 44.5mm		MHC-BU
Impeller Hub	Flanged, 2 Slots. Material: Hardened Steel	Journal Dia.: 1.724"/ 43.8mm Height: 1.730"/ 44.0mm		VH-1-6FLG
Bearing	Enclosed Material: Hardened Steel Impeller Side	Outer Dia.: 4.449"/ 113.0mm Inner Dia.: 3.543"/ 90.0mm Thickness: 0.197"/ 5.0mm		AW-2-1
Sprag	Material: Steel	Inner Race O.D.: 2.087"/ 53.0mm Outer Race I.D.: 2.747"/ 69.8mm Width: .336"/ 8.5mm 24 Cams		YC-6-3
Bearing	Enclosed Material: Hardened Steel Turbine Side	Outer Dia.: 4.213"/ 107.0mm Inner Dia.: 3.347"/ 85.0mm Thickness: 0.197"/ 5.0mm		AW-2-2
Seal Ring	Material: PTFE Sarf Cut	O.D.: 1.559"/ 39.6mm Width: 0.087"/ 2.2mm Height: 0.077"/ 2.0mm		FO-25-19

AISIN SEIKI AS68RC, A465

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia. 1.750" / 44.5mm Length 1.500" / 38.1mm		MHC-BU
Hub, Impeller	Material: Steel Pump Drive Style: Slots Hub Mount: Flanged Fits A465 only	Assembled Height 2.195" / 55.8mm Height 2.475" / 62.9mm Journal Dia.: 1.843" / 46.8mm Flange Dia.: 4.080" / 103.6mm		YH-1-23FLG
Hub, Impeller	Material: Steel Pump Drive Style: Slots Hub Mount: Flanged Fits AS68RC only	Assembled Height 2.210" / 56.1mm Height 2.570" / 65.3mm Journal Dia.: 1.843" / 46.8mm Flange Dia.: 4.160" / 105.7mm		YH-1-22FLG
Bearing	Material: Hardened Steel Semi- Enclosed Impeller & Turbine Side. 2 Required	O.D. 3.000" / 76.2mm I.D. 1.779" / 45.2mm Thick. 0.188" / 4.8mm		TW-2-23
Bearing Race	Material: Hardened Steel 2 O.D. Tangs Impeller & Turbine Side. 2 Required	O.D. 2.953" / 75.0mm I.D. 1.898" / 48.2mm Thick. 0.098" / 2.5mm		TW-2-24
Stator Cap	Material: Aluminum 2 Tabs	O.D.: 4.180" / 106.2mm I.D.: 1.810" / 46.0mm Tab O.D.: 4.354" / 110.6mm Functional Thick.: 0.182" / 4.6mm Thick.: 0.620" / 15.7mm		YW-4-16
Sprag	29 Cams	Shaft Dia.: 2.625" / 66.7mm Housing Dia.: 3.281" / 83.3mm Width 0.75" / 19.0mm		SC-6
Clutch Plates, Kit	3 Friction & 4 Steel Plates	YX-26-1 (3) YX-26-2 (3) YX-26-4 (1)		YX-26-5K
Clutch Plates, Kit	3 Friction Plates	YX-26-1 (3)		YX-26-1K
Lining Kit	Material: Kevlar® Grooved 2 linings kit with mirrored groove	O.D.: 7.430" / 188.7mm I.D.: 6.300" / 160mm Thick.: 0.045" / 1.1mm		YX-23-23KK*

** - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan*

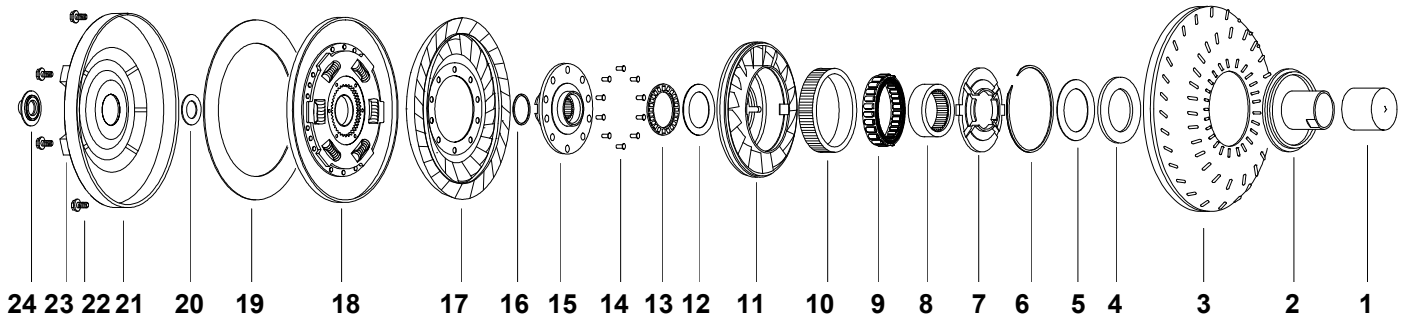
AISIN SEIKI AS68RC, A465 *continued*

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Clutch Plate	Friction 36 Internal Teeth 3 required	O.D. 7.431" / 188.8mm I.D. 5.800" / 147.3mm Thick. 0.100" / 2.5mm		YX-26-1
Clutch Plate,	Steel 16 External Teeth 3 required	O.D. 7.953" / 202.0mm I.D. 6.245" / 158.6mm Thick. 0.070" / 1.8mm		YX-26-2
Pressure Plate	Material: Steel 16 External Teeth	O.D. 7.953" / 202.0mm I.D. 6.245" / 158.6mm Thick. 0.249" / 6.3mm		YX-26-4
Seal Ring	Material: Fluorocarbon D-Ring, Piston Outer	I.D. 6.950" / 176.5mm Width 0.084" / 2.13mm Height 0.144" / 3.7mm		TO-25-23
Seal Ring	Material: Fluorocarbon D-Ring, Piston Inner	I.D. 3.910" / 99.3mm Width 0.083" / 2.1mm Height 0.149" / 3.8mm		TO-25-24
Bearing Race	Material: Hardened Steel Front cover	O.D. 1.843" / 46.8mm I.D. 1.094" / 27.8mm Thick. 0.098" / 2.5mm		TW-9-28
Bearing	Bearing Style: Exposed Material: Hardened Steel Front cover	O.D. 1.717" / 43.6mm I.D. 0.988" / 25.0mm Thick. 0.157" / 4.0mm		TW-9-27
Bearing Race	Material: Hardened Steel Front cover	O.D. 1.861" / 47.3mm I.D. 0.993" / 25.2mm Thick. 0.130" / 3.3mm		TW-9-29
Pilot	Material: Steel Pilot Type: Weld-in Front cover	Pilot Dia.: 2.123" / 53.9mm Flange Dia.: 1.940" / 49.3mm Flange Pilot Dia.: 1.750" / 44.5mm		YX-17-1
Front Cover Hub	Material: Hardened Steel	O.D. 3.860" / 98.0mm I.D. 0.788" / 20.0mm Assembled Height 0.900" / 22.9mm Bearing Pocket I.D. .985" / 25.0mm		YX-22-1

ALLISON

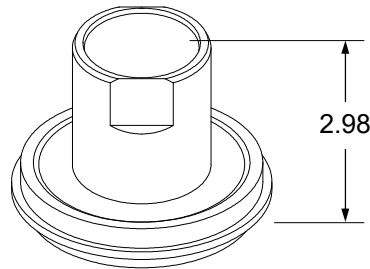
ALLISON 1000/2000/2400 SERIES

Early

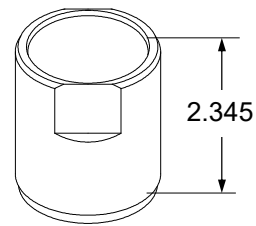


ILL. #2

IMPELLER HUB, 2.294" DIA.



SH-1-48GRC



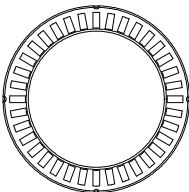
SH-1-49GRC

Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. #4, 5, 12, 13

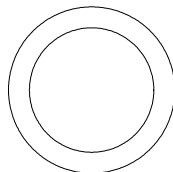
BEARINGS & RACES

O.D. 3.567"/ 90.6mm
I.D. 2.602"/ 66.1mm
Thick. 0.209"/ 5.3mm



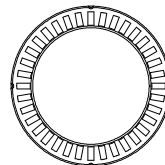
SW-2-25

O.D. 3.382"/ 85.9mm
I.D. 2.528"/ 64.2mm
Thick. 0.118"/ 3.0mm



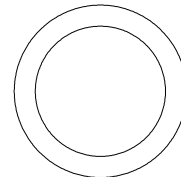
SW-2-27

O.D. 3.059"/ 77.7mm
I.D. 2.220"/ 56.4mm
Thick. 0.169"/ 4.3mm



SW-2-26

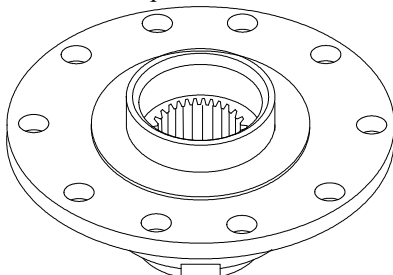
O.D. 3.130"/ 79.5mm
I.D. 2.374"/ 60.3mm
Thick. 0.098"/ 2.5mm



SW-2-28

ILL. #15 **TURBINE HUB**

25 Spline Internal,
40 Spline External

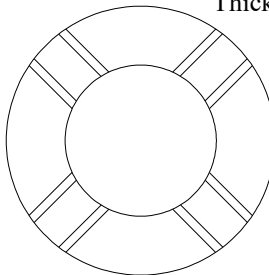


SX-13-33HT

ILL. #20

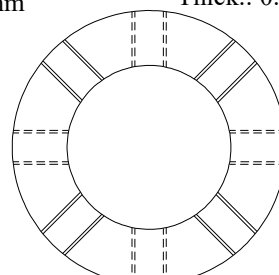
TURBINE WASHERS

O.D.: 2.445"/ 62.1mm
I.D.: 1.375"/ 34.9mm
Thick.: 0.235"/ 6.0mm



SW-9-25

O.D.: 2.400"/ 61.0mm
I.D.: 1.437"/ 36.5mm
Thick.: 0.278"/ 7.1mm



SW-9-24

ALLISON 1000/2000/2400 SERIES

Early

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Clear, For 2-5/16" Dia. Hubs		MHC-CL
2	Hub, Impeller	Flanged, 2.293" Dia., 2.668" Mounting Height, With Pilot Step Butt Style, 2.293" Dia., 2.267" Mounting Height		SH-1-48GRC SH-1-49GRC
3	Impeller			
4	Bearing	Semi-Enclosed, 3.57" O.D., 2.60" I.D., .208" Thick Enclosed, Late, '06 and Up. 3.85" O.D., 2.65" I.D., 0.22" Thick		SW-2-25 SW-2-31
5	Race	3.38" O.D., 2.53" I.D., .12" Thick		SW-2-27
6	Snap Ring			
7	Stator Cap	Aluminum		
8	Inner Race	O.D. 2.627", Length 1.180", Spline 37		SX-14-7
9	Sprag Roller Clutch	29 Cams LCT 1000 Captive Clutch		SC-6 SC-6-1
10	Outer Race			
11	Stator			
12	Race	3.13" O.D., 2.37" I.D., .10" Thick		SW-2-28
13	Bearing	Semi-Enclosed 3.06" O.D., 2.23" I.D., 0.17" Thick Enclosed, Late, '06 and Up. 3.37" O.D., 2.18" I.D., 0.22" Thick		SW-2-26 SW-2-32
14	Rivet	.245" Shank Diameter, .370" Long	12	SX-12-7
15	Turbine Hub	25 Internal Spline, 40 External Spline		SX-13-33HT
16	Seal Ring	Teflon, 2.38" O.D. × .090" 2006-Up, Teflon, 2.95" O.D. × .085"		SO-23-34 SO-23-37
17	Turbine			
18	Lockup Clutch	Assembly		
19	Lining	12.341" O. D., 10.75" I.D., .045" Thick 12.341" O. D., 10.75" I.D., .045" Thick		SX-23-44K* SX-23-54K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
20	Turbine Washer	Phenolic, 2.230" O. D., .137" I.D. Fiber, 2.400" O. D., 1.437" I.D. x .278; 2008 - and Up Fiber, 2.445" O. D., 1.375" I.D. x .235; 2006 - 2008		SW-9-18 SW-9-24 SW-9-25
21	Cover, Front	Billet Billet		SX-22-1 SX-22-6
22	Bolt	M10×1.5	6	
23	Pad, Mounting	M10×1.5		
24	Pilot	1.702 Dia.	6	

ALLISON MD 3000 Series

ILL.#	DESCRIPTION	QTY. PART #
Lining with 9 holes	11.570" O.D., 10.000" I.D., 0.045" Thick., Kevlar®	SX-23-57K
	11.570" O.D., 10.000" I.D., 0.070" Thick., Kevlar®	SX-23-57X70K
	11.560" O.D., 9.990" I.D., 0.045" Thick., Kevlar®	SX-23-81K
	11.560" O.D., 9.990" I.D., 0.070" Thick., Kevlar®	SX-23-81X70K

** - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan*

We offer linings in the LockJoint™ style. Just add suffix "J" in front of all other suffixes.

Forexample: **SX-23-57Jx70K**.

ALLISON HD 4000 SERIES

ILL.#	DESCRIPTION	QTY. PART #
Lining with 12 holes	13.625" O.D., 11.500" I.D., 0.045" Thick., Kevlar®	SX-23-56K
	13.625" O.D., 11.500" I.D., 0.070" Thick., Kevlar®	SX-23-56X70K
	13.400" O.D., 11.510" I.D., 0.045" Thick., Kevlar®	SX-23-82K
	13.400" O.D., 11.510" I.D., 0.070" Thick., Kevlar®	SX-23-82X70K

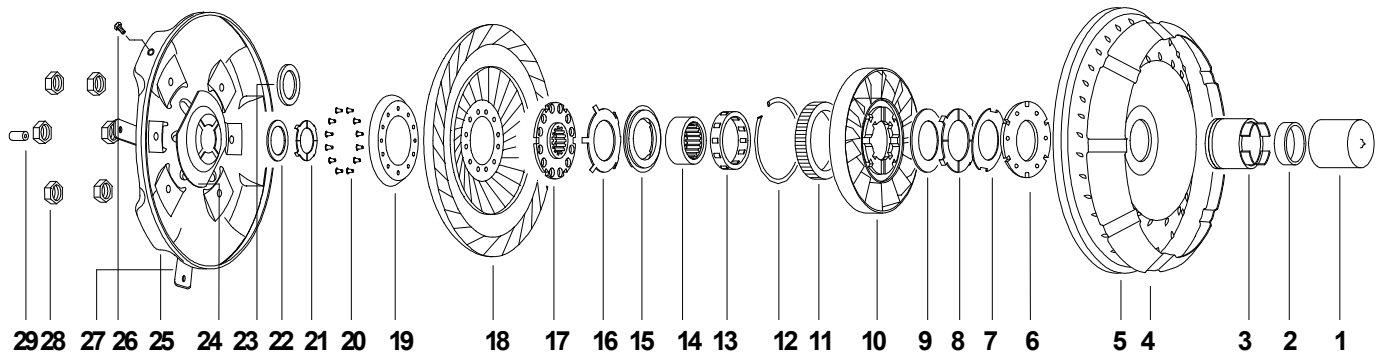
**** - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan***

We offer linings in the LockJoint™ style. Just add suffix "J" in front of all other suffixes.

Forexample: **SX-23-57Jx70K.**

BORG WARNER

BORG WARNER 11" INDUSTRIAL



ILL. # 3 IMPELLER HUBS			
1.937" DIA.	2.125" DIA.	2.250" DIA.	2.500" DIA.
 WH-1-5G H=2.088" (53mm) WH-1-17G	 WH-1-3G WH-1-9G	 WH-1-7G	 25 Internal Spline WH-1-22G
Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"- Hardness Rc 32-36			

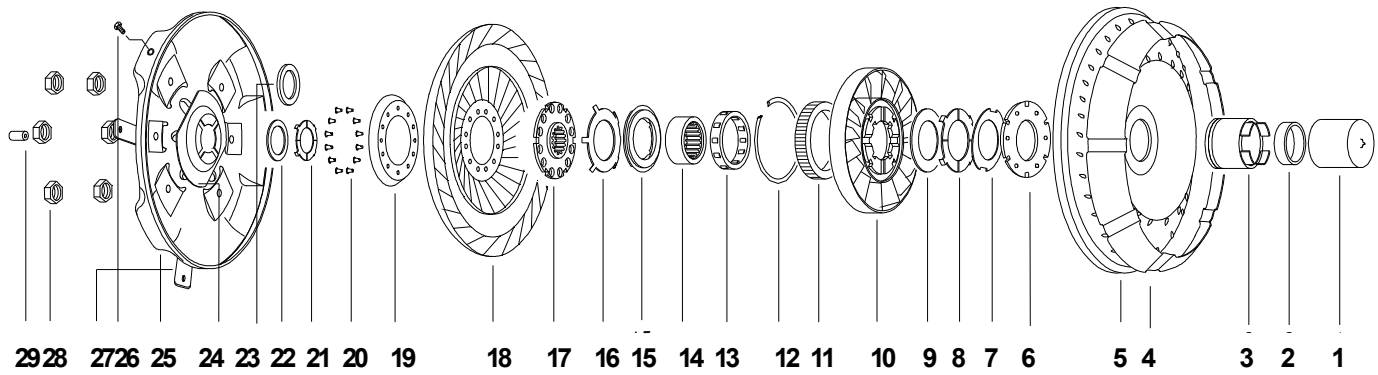
ILL. #7 STEEL WASHERS	ILL. #8 THRUST WASHER
O.D. 3.00" (76mm) I.D. 1.87" (47mm) Thick. .043" (1.1mm) WW-2-3 O.D. 3.52" (89mm) I.D. 1.87" (47mm) Thick. .05" (1.3mm) WW-2-1 O.D. 2.15" (55mm) I.D. 1.87" (47mm) Length 3.41" (87mm) Thick. .045" (1.1mm) WW-2-5 , .045" Thick WW-2-5A , .063" Thick	O.D. 2.95" (75mm) I.D. 1.96" (48mm) Thick. .06" (1.5mm) TW-3-3

ILL. # 14 INNER RACES	ILL. # 15 STATOR CAP
O.D. 2.15" (55mm) Height 1.03" (26mm) 29 Spline, 10 Removed WX-14-1 O.D. 2.15" (55mm) Height 1.03" (26mm) 19 Spline WX-14-2 O.D. 2.15" (55mm) Height .94" (24mm) 19 Spline WX-14-3	O.D. 3.19" I.D. 1.94" Thick. .31" WW-4 WW-4B Aluminum Bronze

BORG WARNER 11" INDUSTRIAL *continued*

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Black, For 1.938" Dia. Hubs White™, For 2.125" Dia. Hubs		MHC-R MHC-W
2	Bushing, Hub	Bronze, 1.812" I.D.		WB-18B
3	Hub, Impeller	1.94" Dia., 2 Lugs, Thru Mount 1.94" Dia., 2 Lugs, Butt Mount 1.94" Dia., 2 Lugs, Thru Mount 2.13" Dia., 4 Lugs, 1.91" I.D. 2.13" Dia., 4 Lugs, 1.72" I.D. 2.25" Dia., 4 Lugs 2.50" Dia., 25 Internal Spline		WH-1-5G WH-1-13G WH-1-17G WH-1-3G WH-1-9G WH-1-7G WH-1-22G
4	Shroud			WX-19-1
5	Impeller			
N.I.	Vane Kit, Impeller	Angle " L" & "M", 31 Pcs.		WX-21-11K
6	Plate, Hub	6 Slots, 3.50" O.D., 2.30" I.D., .17" Thick		WX-21TX
7	Washer, Steel	2 Lugs, 3.00" O.D., 1.87" I.D., .043" Thick 6 Tangs, 3.06" O.D., 1.87" I.D., .05" Thick .045" Thick, Oval .063" Thick, Oval		WW-2-3 WW-2-1 WW-2-5 WW-2-5A
8	Washer	Bronze, 4 Lugs, 2.95" O.D., 1.96" I.D., .06" Thick		TW-3-3
9	Shim, Selective	O.D. 2.95", I.D. 2.16", .010" Thick .020" Thick .030" Thick		TW-2-10 TW-2-20 TW-2-30
10	Stator			
11	Race, Outer	To Salvage Aluminum Stators		WX-15
12	Ring, Snap			
13	Sprag	20 Cams, Without O.D. Clips 20 Cams, 5 O.D. Clips 20 Cams, 10 O.D. Clips 22 Cams, 10 O.D. Clips 24 Cams, 10 O.D. Clips, Replaces All Above Narrow Type, 1/2" High		FC-6-1 FC-6-3 FC-6-4 FC-6-9 FC-6-10 WC-6
14	Race, Inner	29 Spline, 10 Removed, 2.15" O.D., 1.035" High 19 Spline, 2.15" O.D., 1.035" High 19 Spline, 2.15" O.D., .935" High		WX-14-1 WX-14-2 WX-14-3
15	Cap, Stator	Aluminum, 3.19" O.D., 1.94" I.D., .31" Thick Bronze, 3.19" O.D., 1.94" I.D., .31" Thick		WW-4 WW-4B
16	Washer, Steel	6 Tangs, 3.52" O.D., 1.87" I.D., .05" Thick		WW-2-1
17	Turbine Hub	15 Spline 17 Spline 19 Spline, Deep Cavity (.62" Depth) 19 Spline, Shallow Cavity (.38" Depth) 20 Spline 26 Spline 27 Spline 29 Spline 37 Spline		WX-13-5HT WX-13-7HT WX-13-6HT WX-13-6SHT WX-13-14HT WX-13-9HT WX-13-13HT WX-13-8HT WX-13-12HT

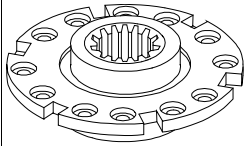
BORG WARNER 11" INDUSTRIAL *continued*



ILL. # 17

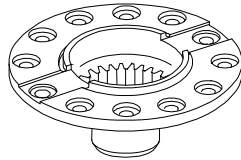
TURBINE HUBS

O.D. 3.45" (87.6mm)
Height .76" (19.3mm)



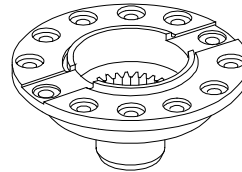
WX-13-5HT
15 Spline

O.D. 3.45" (87.6mm)
Height 1.51" (38.4mm)



WX-13-6HT
19 Spline

O.D. 3.45" (87.6mm)
Height 1.45" (36.8mm)

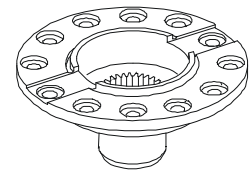


WX-13-7HT
17 Spline

WX-13-8HT
29 Spline

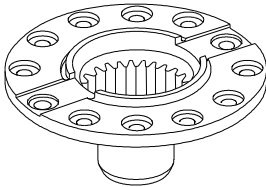
WX-13-6SHT
19 Spline

O.D. 3.45" (87.6mm)
Height 1.22" (31mm)



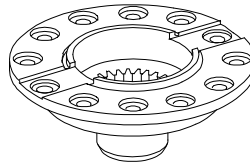
WX-13-9HT
26 Spline

O.D. 3.45" (87.6mm)
Height 1.41" (35.8mm)



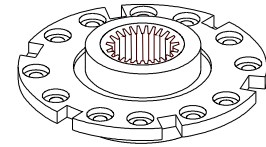
WX-13-12HT
37 Spline

O.D. 3.45" (87.6mm)
Height 1.45" (36.8mm)



WX-13-13HT
27 Spline

O.D. 3.45" (87.6mm)
Height .76" (19.3mm)

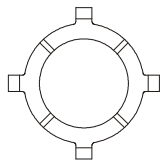


WX-13-14HT
20 Spline

ILL. # 21, 23

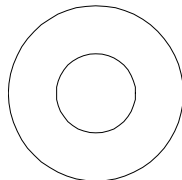
TURBINE WASHERS

O.D. 1.85" (47mm)
I.D. 1.38" (35mm)
Thick .06" (1.5mm)



WW-9

O.D. 2.25" (57mm)
I.D. 1.27" (32mm)



WW-9-7A
Thick .063"

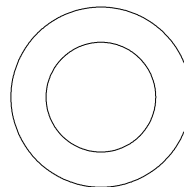
WW-9-7B
Thick .080"

N.I.

REPAIR PLATE

STRAP

O.D. 2.25" (57mm)
I.D. 1.26" (32mm)
Thick .08" (2.0mm)



WW-9-8
Steel



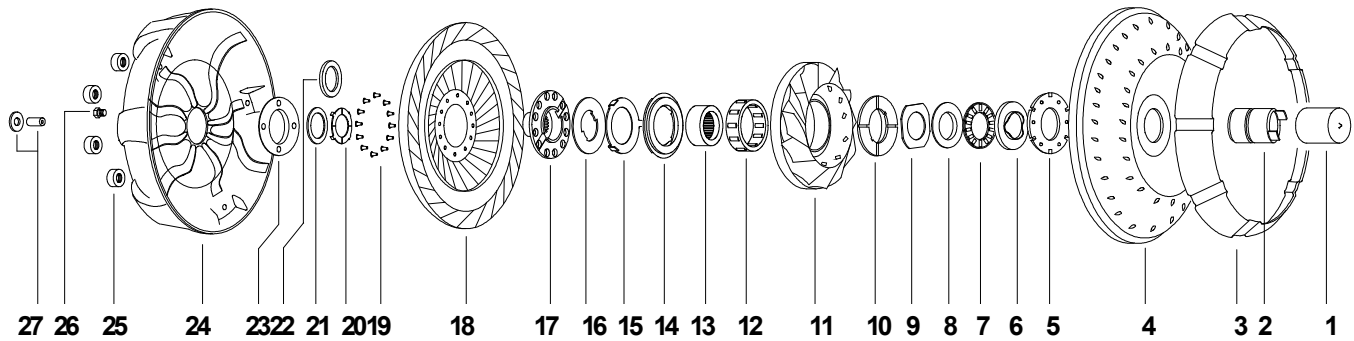
WX-10-4

BORG WARNER 11" INDUSTRIAL *continued*

ILL.#		DESCRIPTION	QTY	PART #
N.I.	Insert, Spline	15 Spline		WX-13-15
		17 Spline		WX-13-17
		29 Spline		WX-13-29
18	Turbine			
N.I.	Kit, Vane	31 Pcs.		WX-8-11K
N.I.	Retainer, Vane	Core Ring		WX-8R
19	Plate, Reinforcement	Beef Plate™		WX-8-1
20	Rivet	7/32" Long, .193" Shank Dia., Tubular	12	WX-12
		5/16" Long, .193" Shank Dia., Tubular	12	WX-12A
		3/8" Long, .193" Shank Dia., Tubular	12	WX-12B
		3/8" Long, .193" Shank Dia., Solid	12	WX-12BS
21	Washer, Turbine	Bronze, 2.27" O.D., 1.38" I.D., .06" Thick		WW-9
22	Shim	1.91" O.D., 1.45" I.D., .010" Thick		WW-9-1
23	Washer, Turbine	Fibre, Selective, 2.25" O.D., 1.27" I.D., .063" Thick		WW-9-7A
		2.25" O.D., 1.27" I.D., .080" Thick		WW-9-7B
24	Retainer	With Slots, For Bronze Washers		WW-22TB
	Thrust Plate	No Slots, For Fibre Washers, .699" High		WX-22T
		No Slots, For Fibre Washers, .450" High		WX-22TA
		No Slots, For Fibre Washers, .240" High		WX-22TC
N.I.	Repair Plate	Steel, 2-1/4" O.D., 1.26" I.D., 3/32" Thick, Repairs Thrust Plates, Requires Machining After Welding		WW-9-8
25	Cover, Front			
26	Plug, Drain	1/8 NPT, Steel		FX-11
		1/8 NPT, Teflon® Wrap		FX-11A
		3/8- 24 Thread		WX-11
N.I.	Gasket	For WX-11, .375" I.D.		WX-11G
27	Strap, Mounting	Flat, 3 Holes	6	WX-10
		Curved For Conversion	6	WX-10-6
N.I.	Rivet	Standard	6	WX-10-1
		Oversize	6	WX-10-1A
N.I.	Strap, Velvet Drive	Flat, 2 Holes, (Not For Converter)		WX-10-4
28	Nut, Mounting	.375" Thick		WX-10-2
		.500" Thick		WX-10-3
		.565" Thick		WX-10-8
29	Pilot	3/4" Dia. Finished		WX-17-19
		3/4" Dia. Unfinished		WX-17-19X
		With Shoulder		WX-17N
N.I.	Kit, Drive Plate	For 6-3/8" Bolt Circle		WX-22-100K
		As Above, But Heat Treated		WX-22-100KHT
		Plate Only		WX-22-100P
		Plate Only, Heat Treated		WX-22-100PHT
		Plate, Blank, 15" O.D., Without Holes		WX-22-115
		Reinforcing Ring Only		WX-22-100R
		Bolt & Washer Kit		WX-22BWK

BORG WARNER 11" EXCEPT U.S.A., TYPE 1

Models 8, 12 & 35, 65, Early Jaguar



ILL. # 2 IMPELLER HUBS, 1.685" (42.8mm) DIA.			IMPELLER HUB, 1.937" (49mm) DIA.
WH-1-1G	WH-1-6G	WH-1-14G	WH-1-13G
Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "GRC"- Hardness Rc 32-36			

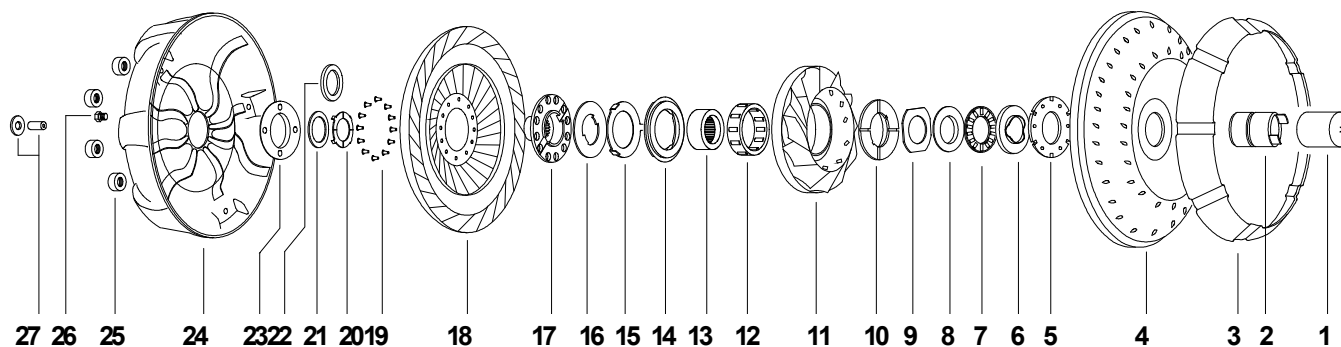
ILL. # 9, 8, 7, 6 WASHER, INNER RACE, BEARING, OUTER RACE			
O.D. 2.95" (75mm) I.D. 1.75" (44mm) Thick. .09" (2.3mm)	O.D. 2.06" (52mm) I.D. 1.48" (37.6mm) Thick. .03" (0.8mm)	O.D. 2.18" (55mm) I.D. 1.50" (38mm) Thick. .13" (.13mm)	O.D. 2.24" (57mm) I.D. 1.44" (36.6mm) Height .43" (11mm)
WW-2-4	SW-2-6	SW-2-1	WW-2-8

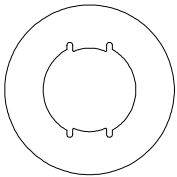
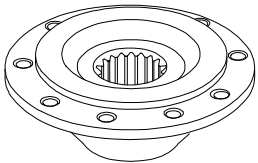
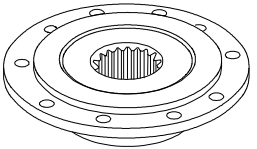
ILL. #10,14 STATOR CAPS		ILL. #15 BRONZE WASHERS	
O.D. 3.22" (82mm) I.D. 1.55" (39mm) Thick. .36" (9mm)	O.D. 3.19" (81mm) I.D. 1.23" (31mm) Thick. .49" (12mm)	O.D. 2.90" (74mm) I.D. 1.75" (44mm) Thick. .06" (1.5mm)	O.D. 2.50" (63.5mm) I.D. 1.80" (45.7mm) Thick. .08" (2mm)
WW-4-5	WW-4-6	WW-3	CW-3

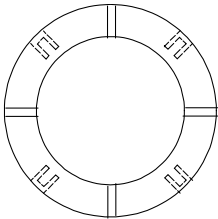
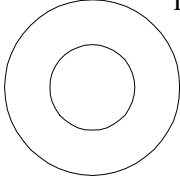
BORG WARNER 11" EXCEPT U.S.A., TYPE 1, continued
Model 8, 12 & 35, 65, Early Jaguar

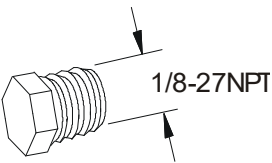
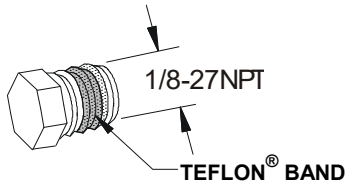
ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Red, For 1.685" Dia. Hubs		MHC-R
		Yellow™, For 1.937" Dia. Hubs		MHC-Y
2	Hub, Impeller	1.685" Dia., 2.82" High		WH-1-1G
		1.685" Dia., 2.59" High		WH-1-6G
		1.685" Dia., 1.68" High		WH-1-14G
		1.937" Dia., 2.03" High		WH-1-13G
3	Shroud			WX-19
4	Impeller Kit, Vane	Angle "L" & "M", (Model 35,65 & 66) 31 Pcs.		WX-21-11K
		Angle "L" & "M", (Model 8 & 12) 31 Pcs.		WX-21-11JK
		Angle "S" (High Stall), 31 Pcs.		WX-21-11SK
5	Plate, Hub			WX-21TA
6	Race, Bearing	Outer		WW-2-8
7	Bearing, Needle	2.18" O.D., 1.50" I.D., .13" Thick		SW-2-1
8	Race, Bearing	With Inside Lip, 2.07" O.D., 1.48" I.D., .030" Thick		SW-2-6
9	Washer, Steel	Squared O.D.		WW-2-4
10	Cap, Stator	Casting # 35EE355, 3.19" O.D., .199" I.D., 45" Thick	2	WW-4-6
		Needle Bearing Type, 3.22" O.D., 1.55" I.D., .36" Thick		WW-4-5
11	Stator			
12	Sprag	14 Cams		FC-6
		20 Cams		FC-6-1
13	Race, Inner	38 Spline (12 Removed), 1.030" High		WX-14
		38 Spline (12 Removed), 1.315" High		WX-14-4
		38 Spline (12 Removed), With Shoulder		WX-14-6
		29 Spline (10 Removed)		WX-14-5
14	Cap, Stator	Aluminum, 3.19" O.D., 1.23" I.D., .49" Thick		WW-4-6
15	Washer	Bronze, 2.50" O.D., 1.80" I.D., .08" Thick		CW-3
	Washer Thrust	Bronze On Steel, 2.90" O.D., 1.75" I.D., .06" Thick		WW-3

BORG WARNER 11" EXCEPT U.S.A., TYPE 1, continued
Models 8, 12 & 35, 65, Early Jaguar.



ILL. # 16 WASHER	ILL. # 17 TURBINE HUBS	
O.D. 3.00" (76.2mm) Thick .043" (1.1mm)  WW-2, I.D. 1.64" WW-2-3, I.D. 1.99"	O.D. 3.81" ((96.8mm))  WX-13-7EHT, 17 Spline WX-13-8EHT, 29 Spline	O.D. 3.81" ((96.8mm))  WX-13-1EHT, 22 Spline WX-13-2EHT, 23 Spline WX-13-9EHT, 26 Spline WX-13-9AHT, 26 Spline, Bronze

ILL. # 20, 22	TURBINE WASHERS	
 WW-9-4 Replaces Bronze	O.D. 2.98" (75.7mm) I.D. 2.07" (52.6mm) Thick. .07" (1.8mm)	O.D. 1.81" (46mm) I.D. .87" (22mm)  WW-9-3A WW-9-3B .06" Thick .08" Thick (1.5mm) (2mm)

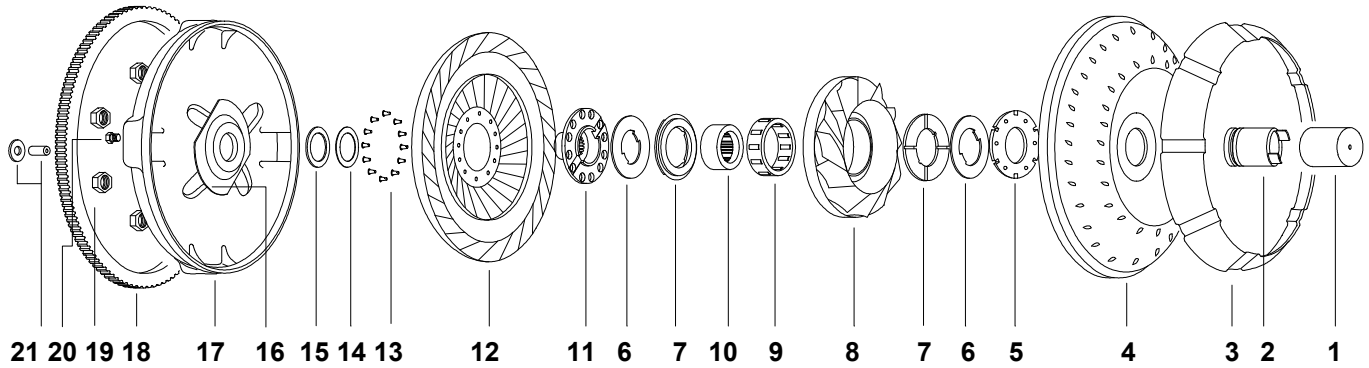
ILL. # 26	DRAIN PLUGS	
 FX-11	 FX-11A	

BORG WARNER 11" EXCEPT U.S.A., TYPE 1, continued
Models 8 ,12 & 35, 65, Early Jaguar.

ILL.#		DESCRIPTION	QTY.	PART #
16	Washer, Steel	2 Lugs, 3.00" O.D., 1.64" I.D., .043" Thick		WW-2
		2 Lugs, 3.00" O.D., 1.99" I.D., .043" Thick		WW-2-3
17	Turbine Hub	17 Spline		WX-13-7EHT
		22 Spline		WX-13-1EHT
		23 Spline		WX-13-2EHT
		26 Spline		WX-13-9EHT
		26 Spline, Bronze, Washer Type		WX-13-9EAHT
		29 Spline		WX-13-8EHT
	Insert, Spline	17 Spline		WX-13-17
		22 Spline		WX-13-22
		23 Spline		WX-13-23
		26 Spline		WX-13-26
		29 Spline		WX-13-29
18	Turbine			
	Kit, Vane	31 Pcs.		WX-8-11K
19	Rivet	.193" Shank Dia., 7/32" Long	12	WX-12
		.193" Shank Dia., 5/16" Long	12	WX-12A
20	Washer, Turbine	Bronze, 4 Lugs (Replaced By Phenolic)		WW-9-4
		2.98" O.D., 2.07" I.D., .068" Thick		
21	Shim	For O.E. Washers, 2.72" O.D., 2" I.D. .03" Thick		WW-9-5
22	Washer, Turbine	Fibre, 1.81" O.D., .87" I.D., .062" Thick		WW-9-3A
		Fibre, 1.81" O.D., .87" I.D., .082" Thick		WW-9-3B
23	Retainer, Washer	2.15" O.D., 1.82" I.D., .34" High (Modified)		WX-22TE
24	Cover, Front			
25	Nut, Mounting	Round 3/8-24 Thread	6	WX-10-7
		Round 3/8-24 Thread, .6" Thick	6	WX-10-9
		Metric	6	WX-10-10
26	Plug, Drain	1/8 NPT, Steel		FX-11
		1/8 NPT, Teflon® Wrap		FX-11A
27	Pilot	3/4" Dia. Finished		WX-17-19
		3/4" Dia. Unfinished		WX-17-19X

BORG WARNER 11" EXCEPT U.S.A. TYPE 2

Models 8, 12 & 35, 65, 66



ILL. # 2		IMPELLER HUBS	
1.685" (42.8mm) DIA.		1.937" (49.2mm) DIA.	
 WH-1-6G	 WH-1-10G , 2.71" (68.8mm) High WH-1-11G , 2.51" (63.8mm) High WH-1-12G , 2.21" (56.1mm) High WH-1-15G , 2.00" (50.8mm) High	 WH-1-17G , 1.68" (42.7mm) High WH-1-5G , 2.08" (52.8mm) High	
Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "GRC"- Hardness Rc 32-36			

ILL. #6	WASHERS	ILL. #7	STATOR CAP	ILL. #10	INNER RACES
 WW-2 , I.D. 1.64" (41.7mm) WW-2-3 , I.D. 1.99" (50.5mm)		 WW-4		 WX-14	 WX-14-1

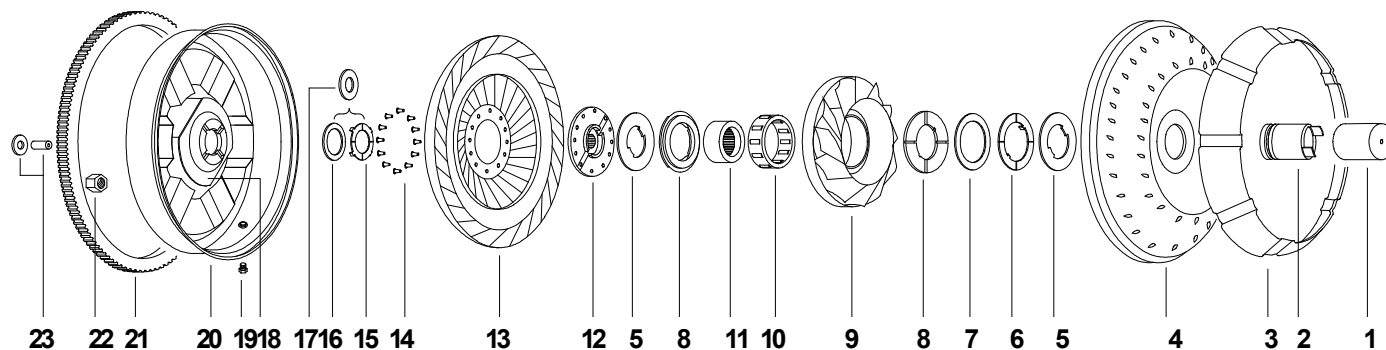
ILL. # 11	TURBINE HUBS	ILL. #14	TURBINE WASHERS
 WX-13-3HT 22 Spline WX-13-9HT 26 Spline WX-13-10HT 23 Spline	 WX-13-7HT 17 Spline WX-13-8HT 29 Spline WX-13-13HT 27 Spline	 WW-9-7A Thick. .060" (1.5mm) WW-9-7B Thick. .085" (2mm)	

BORG WARNER 11" EXCEPT U.S.A. TYPE 2

Models 8, 12 & 35, 65, 66

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Black, For 1.685" Dia. Hubs Yellow™, For 1.937" Dia. Hubs		MHC-B MHC-Y
2	Hub, Impeller			See Page 4-10
3	Shroud			WX-19
4	Impeller			
	Kit, Vane	Angle "L" & "M", 31 Pcs.		WX-21-11K
5	Plate, Hub			WX-21TA
6	Washer, Steel	3.00" O.D., 1.64" I.D., .043" Thick 3.00" O.D., 1.87" I.D., .043" Thick		WW-2 WW-2-3
7	Cap, Stator	Aluminum, 3.19" O.D., 1.94" I.D., .31" Thick	2	WW-4
8	Stator			
9	Sprag	14 Cams 20 Cams		FC-6 FC-6-1
10	Race, Inner	Model 35, 65, 38 Spline, 12 Removed, 2.15" O.D., 1.035" High Model 8, 12, 29 Spline, 10 Removed, 2.15" O.D., 1.035" High		WX-14 WX-14-1
11	Turbine Hub			See Page 4-10
N.I.	Insert, Spline	17 Spline 22 Spline 23 Spline 26 Spline 29 Spline		WX-13-17 WX-13-22 WX-13-23 WX-13-26 WX-13-29
12	Turbine			
N.I.	Kit, Vane	31 Pcs. Retainer (Core Ring)		WX-8-11K WX-8R
13	Rivet	Standard, 1.93" Shank Dia., .218" Long Alternate, 1.93" Shank Dia., .310" Long	12 12	WX-12 WX-12A
14	Washer, Turbine	Fibre, Selective, 2.13" O.D., 1.25" I.D., .062" Thick Fibre, Selective, 2.13" O.D., 1.25" I.D., .085" Thick		WW-9-7A WW-9-7B
15	Plate, Repair	Steel, 2-1/4" O.D., 1.26" I.D., 3/32" Thick, Repairs Thrust Plates, Requires Machining After Welding		WW-9-8
16	Pad, Thrust			WX-22TA
17	Cover, Front			
18	Ring Gear	148 Teeth, Chrysler		RG-148A
19	Nut, Mounting	Hex, 3/8-24 Thread, .56" High Hex, 3/8-24 Thread, .49" High Round, 3/8-24 Thread, 1" Dia., .60" High	6 6 6	WX-10-3 WX-10-8 WX-10-9
20	Plug, Drain	Steel, 1/8 NPT, Steel 1/8 NPT, Teflon® Wrap		FX-11 FX-11A
21	Pilot	3/4" Dia., Finished 3/4" Dia., Unfinished 1.375" Dia.		WX-17-19 WX-17-19X WX-17-35

B.W. 11" MODELS 35, 01 & 10, Rambler, Studebaker, Checker Cab, Willys, Jeep, International



ILL. # 2 IMPELLER HUBS				
1.685" (42.8mm) DIA.				1.937" (49.2mm) DIA.
WH-1-1G	WH-1-4G	WH-1-1AG	WH-1-10G	WH-1-5G
Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "GRC"- Hardness Rc 32-36				

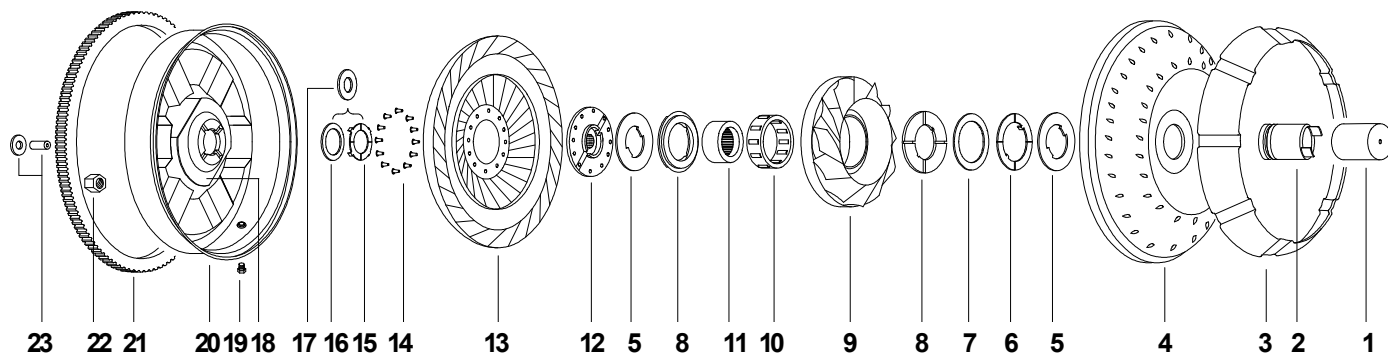
ILL. #5 STEEL WASHERS		ILL. #6 WASHER	ILL. # 8 STATOR CAPS	
O.D. 3.00" (76.2mm) Thick. .04" (1.0mm)	O.D. 3.52" (89mm) I.D. 1.87" (47.5mm) Thick. .05" (1.3mm)	O.D. 2.50" (63.5mm) I.D. 1.80" (45.7mm) Height .27" (6.9mm)	O.D. 3.19" (81mm) I.D. 1.94" (49mm) Thick. .31" (7.9mm)	O.D. 3.19" (81mm) I.D. 1.80" (45.7mm) Thick. .43" (10.9mm)
WW-2 , I.D. 1.64" WW-2-3 , I.D. 1.87"	WW-2-1	FW-3	WW-4 , Aluminum WW-4B , Bronze	WW-4-3 , Aluminum

ILL. #11 INNER RACES	
WX-14	WX-14-1

B.W. 11" MODELS 35, 01 & 10, continued
Rambler, Studebaker, Checker Cab, Willys, Jeep, International

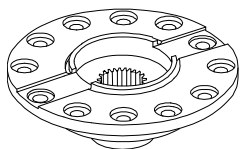
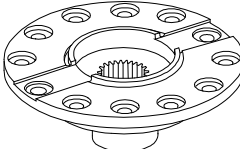
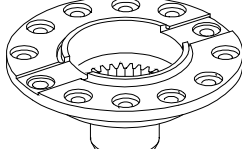
ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Black, For 1.685" Dia. Hub Yellow™, For 1.937" Dia. Hub		MHC-B MHC-Y
2	Hub, Impeller	1.685" O.D., 2.81" High, For Rambler, Model 35 1.685" O.D., 2.91" High 1.685" O.D., 2.68" High 1.685" O.D., 2.71" High 1.937" O.D., 2.08 High, For Rambler, Cast Iron, Models 01, 10		WH-1-1G WH-1-4G WH-1AG WH-1-10G WH-1-5G
3	Shroud	6 Cylinder 8 Cylinder		WX-19 WX-19-1
4	Impeller			
N.I.	Kit, Vane	"L"&"M" Angle		WX-21-11K
	Kit, Vane	"S" Angle		WX-21-11SK
	Retainer, Vane	"L"&"M" Angle		WX-21R
	Retainer, Vane	"S" Angle		WX-21RS
	Plate, Hub	Model 35		WX-21TA
	Plate, Hub	Cast Iron, Model 01, 10		WX-21TB
5	Washer, Steel	Models 35, 2 Lugs, 1.64" I.D., 3.00" O.D., .043" Thick, Steel Models 01, 10, 2 Lugs, 1.87" I.D., 3.00" O.D., .043" Thick 6 Tangs, 1.87" I.D., 3.06" O.D., .05" Thick		WW-2 WW-2-3 WW-2-1
6	Washer, Bronze	1.30" I.D., 2.50" I.D., .80" Material Thick		FW-3
7	Shim, Selective	2.160" I.D., 2.950" O.D., .010" Thick 2.160" I.D., 2.950" O.D., .020" Thick 2.160" I.D., 2.950" O.D., .030" Thick		TW-2-10 TW-2-20 TW-2-30
8	Cap, Stator	Aluminum, 1.94" I.D., 3.19" O.D., .31" Thick Bronze, 1.94" I.D., 3.19" O.D., .31" Thick Aluminum, (Use With FW-3)	2	WW-4 WW-4B WW-4-3
9	Stator			
10	Sprag	14 Cams 20 Cams		FC-6 FC-6-1
11	Race, Inner	Model 35, 38 Spline (12 Removed), 2.15" O.D., 1.03" High Model 01, 10, 29 Spline (10 Removed), 2.15" O.D., 1.03" High		WX-14 WX-14-1

B.W. 11" MODELS 35, 01 & 10, continued
Rambler, Studebaker, Checker Cab, Willys, Jeep, International

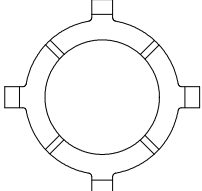


ILL. # 12

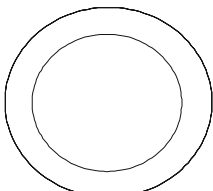
TURBINE HUBS

O.D. 3.45" (87.6mm) Height 1.00" (25.4mm)  WX-13-1HT 22 Spline WX-13-2HT 23 Spline WX-13-4HT 26 Spline			O.D. 3.45" (87.6mm) Height 1.22" (31.0mm)  WX-13-3HT 22 Spline WX-13-9HT 26 Spline WX-13-10HT 23 Spline			O.D. 3.45" (87.6mm) Height 1.49" (37.8mm)  WX-13-7HT 17 Spline WX-13-8HT 29 Spline	
--	--	--	---	--	--	--	--

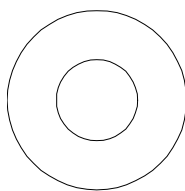
ILL. # 15 **TURBINE WASHER**

O.D. 1.85" (47mm) I.D. 1.38" (35mm) Thick. .06" (1.5mm)  WW-9

ILL. # 16 **SHIM**

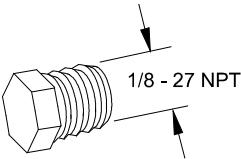
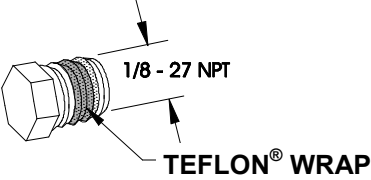
O.D. 1.91" (48.5mm) I.D. 1.45" (36.8mm) Thick. .01" (.25mm)  WW-9-1

ILL. # 17 **TURBINE WASHERS**

O.D. 2.13" (54mm) I.D. 1.25" (31.8mm)  WW-9-7A, Thick. .06" (1.5mm) WW-9-7B, Thick. .09" (2.3mm)
--

ILL. # 19

DRAIN PLUGS

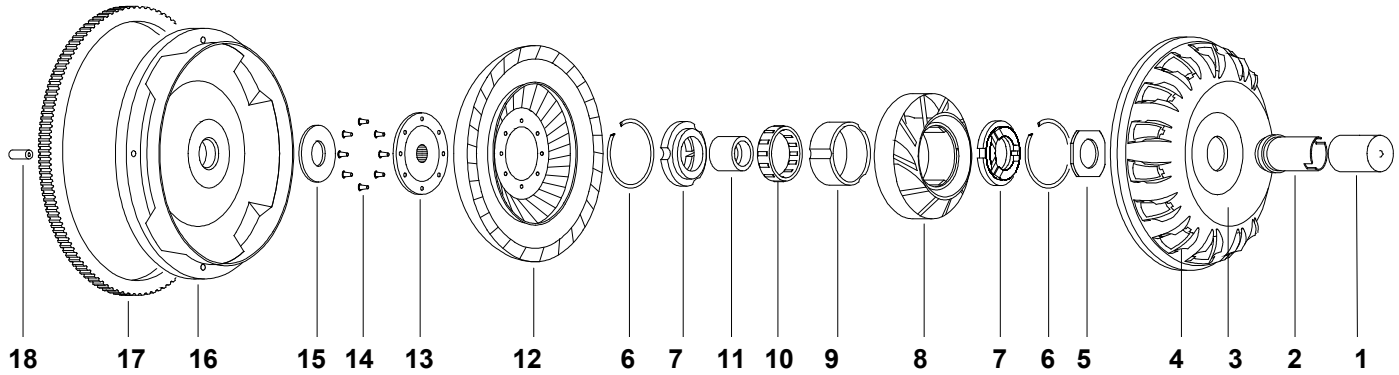
 FX-11	 FX-11A
---	--

B.W. 11" MODELS 35, 01 & 10, continued
Rambler, Studebaker, Checker Cab, Willys, Jeep, International

ILL.#	DESCRIPTION		QTY.	PART #
12	Turbine Hub	Model 35, 22 Spline, Use With Bronze Washer 23 Spline, Use With Bronze Washer 22 Spline, Use With Fibre Washer 26 Spline, Use With Fibre Washer 17 Spline, Use With Fibre Washer 29 Spline, Use With Fibre Washer 26 Spline, Use With Bronze Washer 23 Spline, Use With Bronze Washer		WX-13-1HT WX-13-2HT WX-13-3HT WX-13-4HT WX-13-7HT WX-13-8HT WX-13-9HT WX-13-10HT
N.I.	Insert, Spline	17 Spline 22 Spline 23 Spline 26 Spline 29 Spline		WX-13-17 WX-13-22 WX-13-23 WX-13-26 WX-13-29
13	Turbine			WX-8
N.I.	Kit, Vane	31 Pieces		WX-8-11K
	Retainer, Vane			WX-8R
14	Rivet	.193" Shank Dia., 7/32" Long .193" Shank Dia., 5/16" Long	12 12	WX-12 WX-12A
15	Washer, Turbine	Bronze, 4 Lugs		WW-9
16	Shim	1.91" O.D., 1.45" I.D., .010 Thick		WW-9-1
17	Washer, Turbine	Fibre, Selective, 2.13" O.D., 1.25" I.D., .062" Thick Fibre, Selective, 2.13" O.D., 1.25" I.D., .085" Thick		WW-9-7A WW-9-7B
18	Pad, Thrust	For Fibre Washers For Bronze Washers		WX-22T WX-22B
19	Plug, Drain	1/8-27 NPT, Steel 1/8-27 NPT, Teflon® Wrap		FX-11 FX-11A
20	Cover, Front			
21	Ring Gear	124 Teeth 149 Teeth 151 Teeth 153 Teeth 158 Teeth 159 Teeth 162 Teeth		RG-124 RG-149 RG-151 RG-153 RG-158 RG-159 RG-162
22	Nut, Mounting	.375" Thick .500" Thick .565" Thick	6 6 6	WX-10-2 WX-10-3 WX-10-8
23	Pilot	3/4" Dia., Finished 3/4" Dia., Unfinished		WX-17-19 WX-17-19X
N.I.	Button, Pilot	1.624" Dia. (For Rambler DD & JD Converter)		WX-17-41

B.W. 9-1/2" MODELS 35, 45 & 55

U.K. (Also Various Industrial)



ILL. # 2 HUB 1.685" (42.8mm) DIA.		ILL. # 2 IMPELLER HUB 1.500" (38mm) DIA.	
 BH-1-1G , L=.690" (17.5mm) BH-1G , L=.450" (11.4mm)	 BH-1-2G	 BH-1-3G	 BH-1-4G
		 YH-1-3G , H=1.77" (45mm) YH-1-5G , H=1.58" (40mm) YH-1-6G , H=1.85" (47mm)	
Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "GRC"- Hardness Rc 32-36			

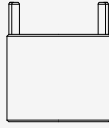
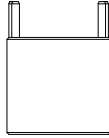
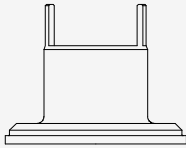
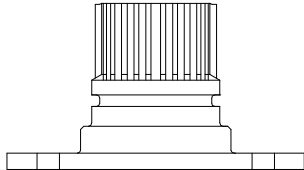
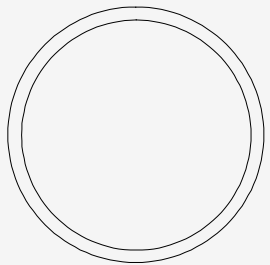
ILL. # 5 STEEL WASHER	ILL. # 7 STATOR CAP	ILL. # 11 INNER RACE
O.D. 2.52" (64mm) I.D. 1.35" (34mm) Thick. .10" (2.54mm) BW-2	O.D. 2.63" (67mm) I.D. 1.35" (34mm) Thick. .65" (16.5mm) BW-4	O.D. 1.63" (41mm) Height 1.25" (32mm) 38 Spline, 12 Removed BX-14

ILL. # 13 TURBINE HUB						ILL. # 15 TURBINE WASHER
O.D. 3.66" (93mm) Height .72" (18mm)						O.D. 2.63" (67mm) I.D. 1.35" (34mm)
Part #	BX-13HT	BX-13-1HT	BX-13-2HT	BX-13-3HT	BX-13-4HT	BW-9A BW-9B
Spline	22	21	23	24	26	Thick. .62" (16mm) Thick. .82" (21mm)

B.W. 9-1/2" MODELS 35, 45 & 55
U.K. (Also Various Industrial)

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Green, For 1.500" Dia. Hubs		MHC-G
		Black™, For 1.685" Dia. Hubs		MHC-B
2	Hub, Impeller	W/2 Lugs		BH-1G
		W/2 Lugs, For Saab		BH-1-1G
		Use Bushing BB-18 , (Hub Has 4 Internal Grooves), For BLMC		BH-1-2G
		Slotted, For Model 45		BH-1-3G
		Slotted, Butt Mount W/Pilot Dia.		BH-1-4G
		Slotted, For Model 55		YH-1-3G
		Slotted, For Model 55		YH-1-5G
				YH-1-6G
3	Impeller			
N.I.	Kit, Vane	Standard "Straight" Type, 30 Pcs.		BX-21-30K
4	Fin, Cooling		8	BX-21-8
5	Washer, Steel	Squared, 2.52" O.D., 1.39" I.D., .100" Thick		BW-2
N.I.	Shim	End-Play Adjusting, Use Under BW-2		VW-2-10
6	Ring, Snap		2	BX-20
7	Cap, Stator	1.35" O.D., 2.63" I.D., .65" Thick	2	BW-4
8	Stator			BX-5
9	Race, Outer			BX-15
10	Sprag	14 Cams		BC-6
11	Race, Inner	38 Spline, 12 Removed, 1.625" O.D., 1.25" High		BX-14
12	Turbine Assembly			
	Kit, Vane	31 Pieces		BX-8-31K
N.I.	Retainer, Vane	Core Ring		BX-8R
13	Turbine Hub	22 Spline		BX-13HT
		21 Spline (For C-3 Conversion)		BX-13-1HT
		23 Spline		BX-13-2HT
		24 Spline		BX-13-3HT
		26 Spline		BX-13-4HT
	Insert, Spline	22 Spline		WX-13-22
		23 Spline		WX-13-23
		26 Spline		WX-13-26
14	Rivet	.214" Shank Dia., .310" Long, Tubular	8	FX-12
		.214" Shank Dia., .385" Long, Tubular	8	FX-12L
15	Washer, Turbine	Fibre, Standard, 2.48" O.D., 1.12" I.D., .062" Thick		BW-9A
		Oversize, 2.48" O.D., 1.12" I.D., .082" Thick		BW-9B
16	Cover, Front			
17	Ring Gear	110 Teeth, Ford, 10.150" I.D.		RG-110BA
		115 Teeth, Hillman, Sunbeam		RG-115B
		120 Teeth, BLMC 1800, Kimberly, Etc.		RG-120B
		132 Teeth, Ford		RG-132B
		135 Teeth, Ford Capri, Etc.		RG-135B
18	Pilot	Unfinished, 1.440" Long		WX-17-19X
		Unfinished, .890" Long		FX-17-30

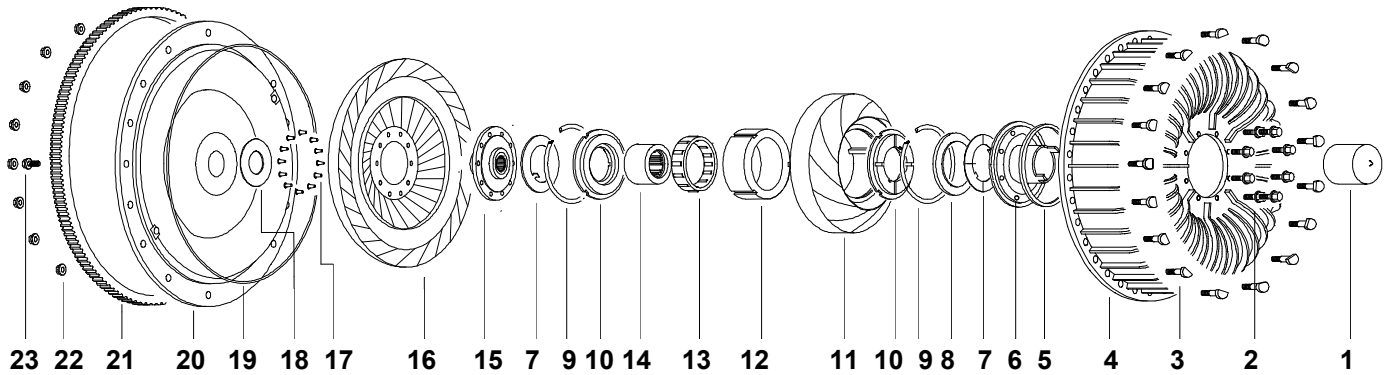
BTR

APPLICATION	DESCRIPTION	DIMENSIONS	ILLUSTR.	PART #
Hub Impeller	BTR 85LB	2 Lugs 1.809" (46mm) O. D., 1.780" (45mm) High		WH-1-18G
Hub Impeller	BTR LE93	2 Lugs 1.809" (46mm) O. D., 2.065" (52mm) High		WH-1-20G
<i>Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "GRC" - Hardness Rc 32-36</i>				
Hub Impeller	BTR LE85 Late Production	3.150" (80mm) Flange O.D., 1.809" (46mm) O.D., 2.40" (61mm) High		WH-1-21FLG
<i>Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "GRC" - Hardness Rc 32-36</i>				
Turbine Hub	BTR	30 Ext. Spline, 29 Int.Spline 3.66" (93mm) Flange O. D., 2.05" (52mm) High		WX-13-31HT
Lining, Preglued	BTR LE85	10.5" (267mm) O. D., 8.625" (219mm) I.D. .045" (1.0mm) Thick		FX-23-13K*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				

Additional BTR Parts Can Be Supplied As Required.

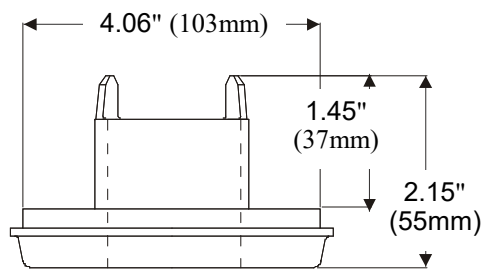
BORG WARNER BOLTED ALUMINUM

Industrial & Ford Passenger Applications

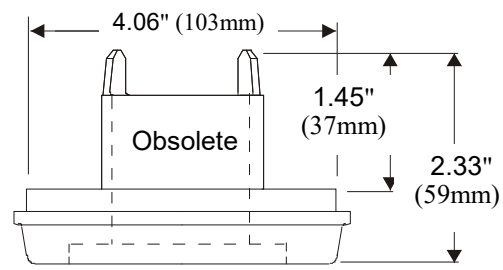


ILL. # 6

IMPELLER HUBS, 1.937" (49mm) DIA.



FH-17GRC

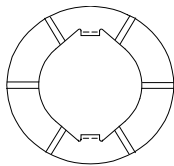


FH-1-7K (Not Shown)
Replaces Recessed Type

ILL. #7

WASHER

O.D. 2.91" (74mm)
I.D. 1.80" (46mm)

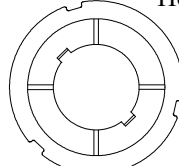


FW-3 Thick. .08" (2.0mm)
FW-3DW Thick. .06" (1.5mm)

ILL. #10

STATOR CAP

O.D. 3.60" (91mm)
I.D. 1.81" (46mm)
Height .70" (18mm)

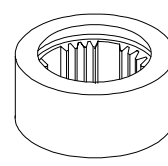


FW-4

ILL. #14

INNER RACE

O.D. 2.15" (55mm)
Height 1.36" (35mm)
29 Spline
10 Removed

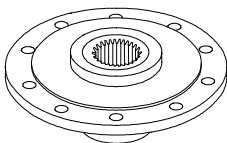


FX-14

ILL. # 15

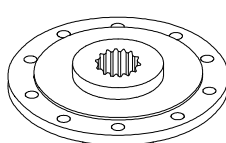
TURBINE HUBS

O.D. 3.80" (96.5mm)
Height 1.45" (37mm)



FX-13-7HT
29 Spline

O.D. 3.80" (96.5mm)
Height 1.45" (37mm)

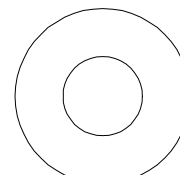


FX-13-8HT
17 Spline

ILL. #18

TURBINE WASHER

O.D. 2.43" (62mm)
I.D. 1.26" (32mm)



FW-9 WW-9-7B
Thick. .06" (1.5mm) Thick. .09" (2.3mm)

BORG WARNER BOLTED ALUMINUM

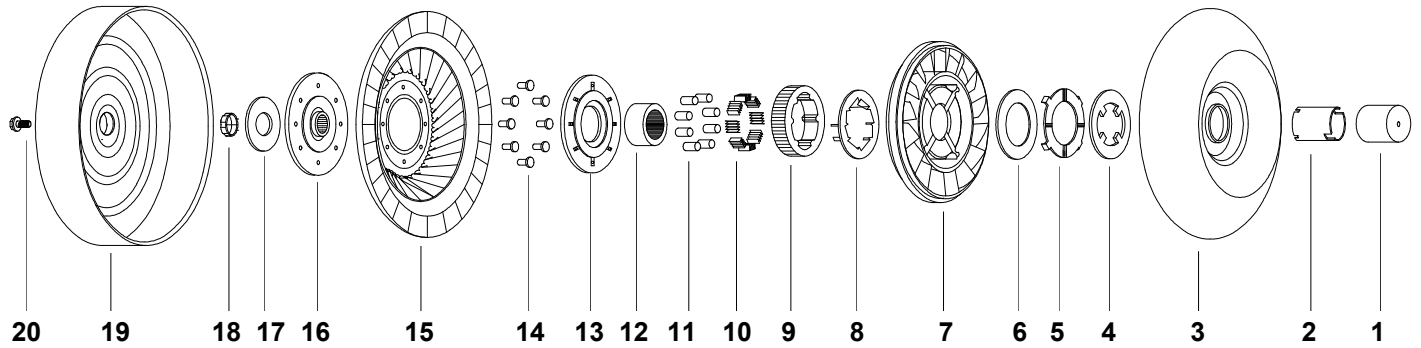
Industrial & Ford Passenger Applications

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Yellow, For 1-7/8" Dia. Hubs		MHC-Y
2	Bolt	Hex Head, Hub	8	FX-21-8
3	Bolt	"D" Head, Cover	17-34	FX-10-5
4	Impeller			
5	Seal, Hub	Square Cut, O-Ring		FO-1-20
6	Hub, Impeller	Bolt-In, Flat Back		FH-1-7GRC
		Bolt-In, Recessed Back, Replaced By Updated Kit*		FH-1-7K*
7	Washer	Thrust, Bronze, 2.91" O.D., 1.80" I.D., .080" Thick	2	FW-3
		Thrust, Bronze, 2.91" O.D., 1.80" I.D., .063" Thick	2	FW-3DW
8	Shim, Selective	2.938" O.D., 1.875" I.D., .010" Thick.		MW-2-10
		2.938" O.D., 1.875" I.D., .020" Thick		MW-2-20
		2.938" O.D., 1.875" I.D., .030" Thick		MW-2-30
9	Ring, Snap		2	FX-20-11
10	Cap, Stator	Aluminum, 3.60" O.D., 1.78" I.D., .73" Thick	2	FW-4
11	Stator	For 12" Turbine		FX-5E
		For 11-3/4" Turbine		FX-5ES
12	Race, Outer			FX-15
13	Sprag	20 Cam, Heavy Duty		FC-6-4
		24 Cam, Extra H.D.		FC-6-10
14	Race, Inner	29 Spline, 10 Removed, 2.15" O.D., 1.36" High		FX-14
15	Turbine Hub	29 Spline, 3.8" O.D., 1.45" High		FX-13-7HT
		17 Spline, 3.8" O.D., 1.45" High		FX-13-8HT
16	Turbine	11-3/4" Dia.		FX-8-11
		12" Dia.		FX-8-12
17	Rivet	.38" Long, .214" Shank Dia.	10	FX-12L
18	Washer, Turbine	Selective, 2.43" O.D., 1.26" I.D., .062" Thick		FW-9
		Selective, 2.13" O.D., 1.25" I.D., .085" Thick		WW-9-7B
19	Seal, Cover	Seal Ring, Square Cut		FO-1-21
20	Cover, Front			
N.I.	Gasket, Cover	Paper, 34 Holes		FO-1-22
21	Ring Gear	146 Teeth (Machining Required)		RG-146S
		148 Teeth (Machining Required)		RG-148S
22	Nut	Hex, Cover	17-34	FX-10-6
23	Plug, Drain	1/8" NPT, Standard	2	FX-11
		1/8" NPT, Teflon® Wrap	2	FX-11A

* Kit Consists Of 1 Each: **FH-1-7GRC**, **FW-3**, **FW-4**

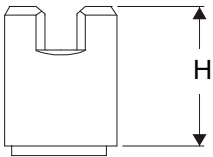
CHRYSLER

CHRYSLER 9-1/2" NON-LOCKUP, A-404, FWD

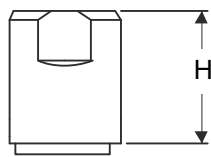


ILL. # 2

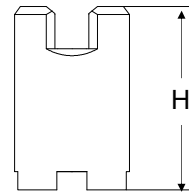
IMPELLER HUBS, 1.498" DIA.



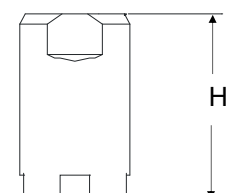
TH-1-12G, H=1.73"
TH-1-4G, H=1.85"



TH-1-16G, H=1.73"
TH-1-20G, H=1.85"



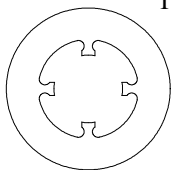
TH-1-4AG, H=2.28"
TH-1-12AG, H=2.50"



TH-1-20AG, H=2.28"
TH-1-28AG, H=2.50"

Suffix Code: No Suffix-Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

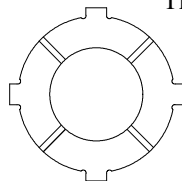
ILL. # 4 **WASHER**



TW-2-3
Steel

O.D. 2.96"
I.D. 1.24"
Thick. .07"

ILL. # 5 **WASHER**

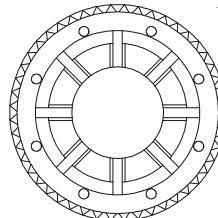


TW-3-3
Bronze

O.D. 2.94"
I.D. 1.96"
Thick. .06"

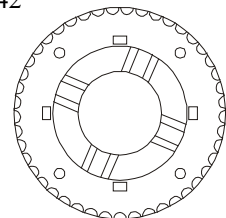
ILL. # 13

STATOR CAPS



TW-4-14, .32" Thick

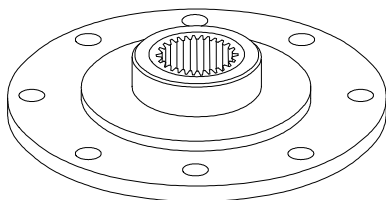
O.D. 3.61"
I.D. 1.42"



TW-4-4, .31" Thick
TW-4-13, .26" Thick

ILL. # 16

TURBINE HUB

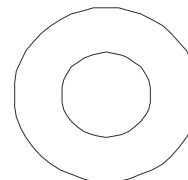


TX-13-1017HT, 17 Spline
TX-13-1030HT, 30 Spline
TX-13-8SHT, 23 Spline

O.D. 3.96"

ILL. # 17

WASHER



TW-9-7A, .135" Thick
TW-9-7B, .155" Thick
TW-9-7C, .070" Thick

O.D. 2.12"
I.D. 1.26"

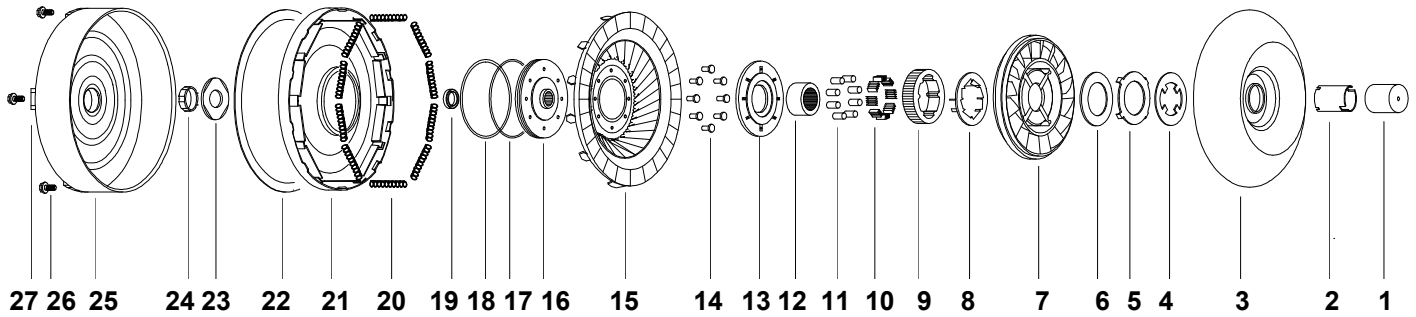
CHRYSLER 9-1/2" NON-LOCKUP, A-404, FWD

ILL.		DESCRIPTION	QTY.	PART #
1	Hubcap®	Green, For 1-1/2" Dia. Hubs		MHC-G
2	Hub, Impeller	Flatted		TH-1-16G
		Flatted		TH-1-20G
		Flatted		TH-1-20AG
		Flatted		TH-1-28AG
		Slotted		TH-1-4G
		Slotted		TH-1-4AG
		Slotted		TH-1-12G
		Slotted		TH-1-12AG
3	Impeller			
4	Washer, Steel	4 Lugs		TW-2-3
5	Washer, Bronze	Stator		TW-3-3
6	Shim, Selective	.01" Thick		TW-2-10
		.02" Thick		TW-2-20
		.03" Thick		TW-2-30
7	Stator Assembly	Bare Stator Casting, Low Stall (Casting # 5205904)		TX-5-8
		<i>Add Suffix "A" For Stator With Cam & Retainer Assembled</i>		
		Bare Stator Casting, High Stall (Casting # 5205979)		TX-5-10
		Stator Complete With Springs, Rollers, Races And Washer		TX-5-59
8	Retainer	Stator, Spring		TX-15-6
9	Cam	Stator, (Outer Race)		TX-15-7
10	Spring, Accordion	.60" Wide	8	TS-6
11	Roller	5/16" Dia. x .62" Long	8	TR-7
12	Race, Inner	27 Spline		TX-14-7
		27 Spline, High Performance		TX-14-11
13	Cap, Stator	Aluminum, Upgraded To		TW-4-4
		Aluminum, Uses Bronze Washer		TW-4-13
N.I.		Bronze, 4 Lugs, Improved, .08" Thick		TW-3-8
14	Rivet		8	TX-12L
15	Turbine Assy.	Less Hub		TX-8-5
16	Turbine Hub	23 Spline, Omni, Horizon, American Motors		TX-13-8SHT
		17 Spline, High Performance, Powerglide*		TX-13-1017HT
		30 Spline, High Performance, TH350-400*		TX-13-1030HT
17	Washer, Turbine	.14" Thick		TW-9-7A
		.16" Thick		TW-9-7B
		.07" Thick		TW-9-7C
		<i>Add Suffix "F" For Fibre</i>		
18	Bushing, Cover	Mitsubishi, 0.743" O.D., 0.63" I.D., 0.466 Thick		TB-18-5
		Chrysler, 1.291" O.D., 1.169" I.D., 0.367 Thick		TB-18-7
19	Cover, Front	Omni, Horizon, American Motors		TX-22-7
20	Bolt	Threaded M10 × 1.5, 13mm Long	4	B-62
N.I.	Pad, Mounting	Threaded M10 × 1.5	4	TX-10-6
N.I.	Salvage Ring™	CoreSaver™, .375" Wide		TX-22-786
		CoreSaver™, .250" Wide		TX-22-786NR

*—For Other High Performance Turbine Hubs See CD-catalog, Page CD-015

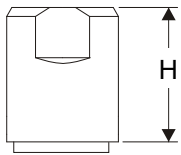
CHRYSLER 9-1/2" LOCKUP

A-470, A-670, A-604, FWD

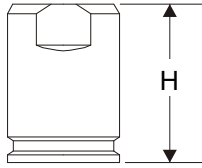


ILL. # 2

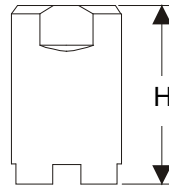
IMPELLER HUBS, 1.498" DIA.



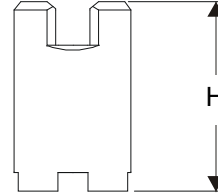
TH-1-16G, H=1.73"
TH-1-20G, H=1.85"



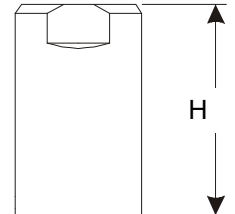
TH-1-18G, H=1.98"
TH-1-19G, H=2.10"



TH-1-20AG, H=2.28"
TH-1-28AG, H=2.50"



TH-1-4AG, H=2.28"
TH-1-12AG, H=2.50"

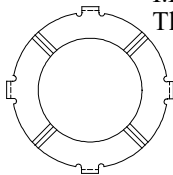


TH-1-34GCM, H=1.94"
TH-1-35GCM, H=3.33"
Chrome - Moly Steel

Suffix Code: No Suffix-Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. # 5

WASHER

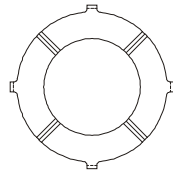


TW-3-3

O.D. 2.94"
I.D. 1.96"
Thick .06"

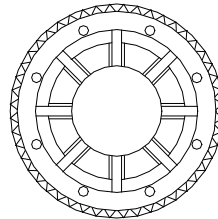
ILL. #13

WASHERS & STATOR CAPS



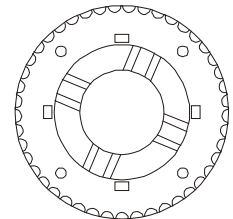
TW-3-8, .16" Lug Width
TW-3-10, .31" Lug Width

O.D. 2.32"
I.D. 1.44"
Thick .06"



TW-4-14, .32" Thick
Replaces **TW-4-4**

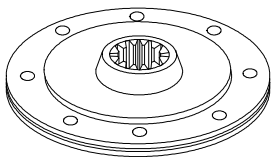
O.D. 3.61"
I.D. 1.42"



TW-4-4, .31" Thick
TW-4-13, .26" Thick

ILL. #16 **TURBINE HUB**

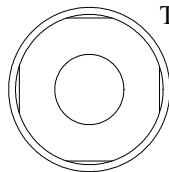
O.D. 4.37"



TX-13-13HT, 22 Spline
TX-13-14HT, 24 Spline

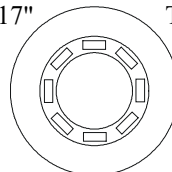
ILL. # 23

BEARING AND TURBINE WASHERS



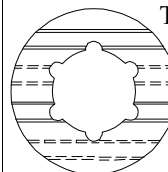
TW-9-13

O.D. 2.40"
I.D. 1.07"
Thick .17"



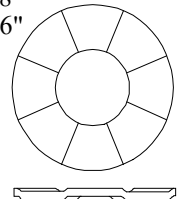
TW-9-13, Latest Design
Use With Shim **TW-9-14**

O.D. 2.40"
I.D. 1.07"
Thick .13"



TW-9-15

O.D. 2.36"
I.D. 1.08"
Thick .136"



TW-9-15B

Alternate

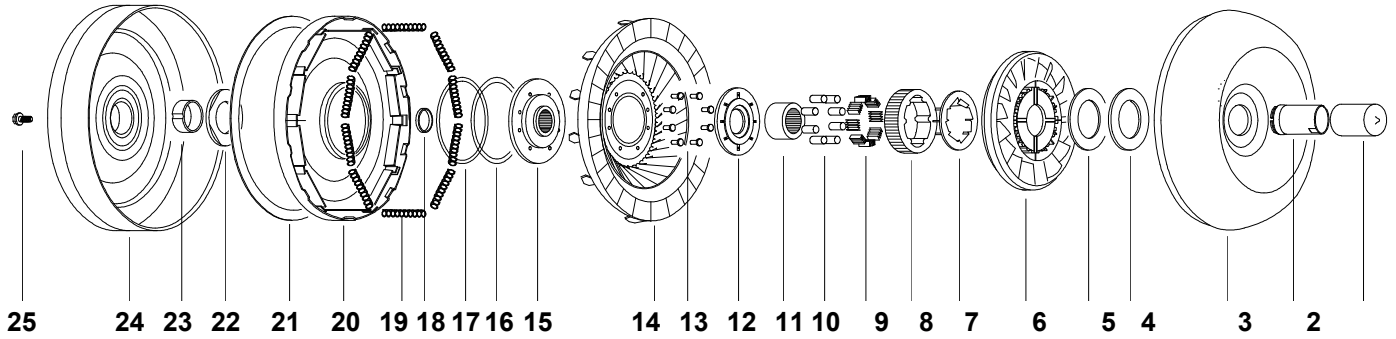
CHRYSLER 9-1/2" LOCKUP

A-470, A-670, A-604, FWD

ILL.	DESCRIPTION		QTY.	PART #
1	Hubcap®	Green, For 1-1/2" Dia. Hubs		MHC-G
2	Hub, Impeller			See Page 5-4
3	Impeller			
4	Washer, Steel	4 Lugs		TW-2-3
5	Washer	Bronze, Stator		TW-3-3
6	Shim	Selective, .01" Thick		TW-2-10
7	Stator Assembly			
8	Retainer	Spring		TX-15-6
9	Cam	Outer Race		TX-15-7
10	Spring,	.60" Wide, .31" High, 4 Folds	8	TS-6
11	Roller	5/16" Dia. x .623" Long	8	TR-7
12	Race, Inner	27 Spline		TX-14-7
13	Cap, Stator	Aluminum		TW-4-4
		Aluminum, Uses Bronze Washer		TW-4-13
		Aluminum, Improved		TW-4-14
14	Rivet	.26" Shank Dia., .435" Long	8	TX-12L
15	Turbine			
16	Turbine Hub	22 Spline		TX-13-13HT
		24 Spline		TX-13-14HT
17	O-Ring	Hi Temperature 4.15" I.D., .108" Dia.		TO-25-6
		4.15" I.D., .108" Dia. Fluorocarbon		TO-25-6V
18	Ring, Back-Up	110mm O.D., PTFE		TO-25-7
19	Seal, Metal Clad	19.8mm O.D., 13.0mm I.D., Hi Temperature		TO-25-8
20	Spring, Damper	Yellow Replaces Orange	10	TX-24-1
N.I.	Salvage Ring™	To Beef Up Ballooned Pistons For 9-1/2" And 10" Units		TX-24-559
21	Lockup Clutch	No Lining, Spring Type, 9-9/16" O.D.		TX-24-4
		With Lining, Spring Type, 9-9/16" O.D.		TX-24-5
		Plate, w/o Spring Retainer, Cold Formed, OE Style		TX-24-5N**
22	Lining	9-1/4" O.D., 7-7/8" I.D., .045" Thick		JX-23-8K*
		9-1/8" O.D., 7-5/8" I.D., .045" Thick		TX-23-5K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
	Ring, Floating	9-5/8" O.D., 8" I.D., .070" Thick		TX-26-9
		9-5/8" O.D., 8" I.D., .070" Thick, Raybestos		TX-26-9RB
23	Bearing	Enclosed, New High Oil Flow Design		TW-9-13
	Washer, Turbine	Fibre, 2.36" O.D., 1.08" I.D., .136" Thick, OE Style		TW-9-15
		Bronze, Heavy Duty, Alternate, Patent Pending		TW-9-15B
24	Bushing, Cover	Standard 1.294" O.D., 1.063", .413" High		TB-18-13
25	Cover, Front			
26	Bolt, Hex Head	M10 x 1.5, 13.2mm Long	4	B-62
N.I.	Salvage Ring™	CoreSaver™, .375" Wide		TX-22-786
		CoreSaver™, .250" Wide		TX-22-786NR
27	Pad, Mounting	Threaded M10 x 1.5	4	TX-10-6

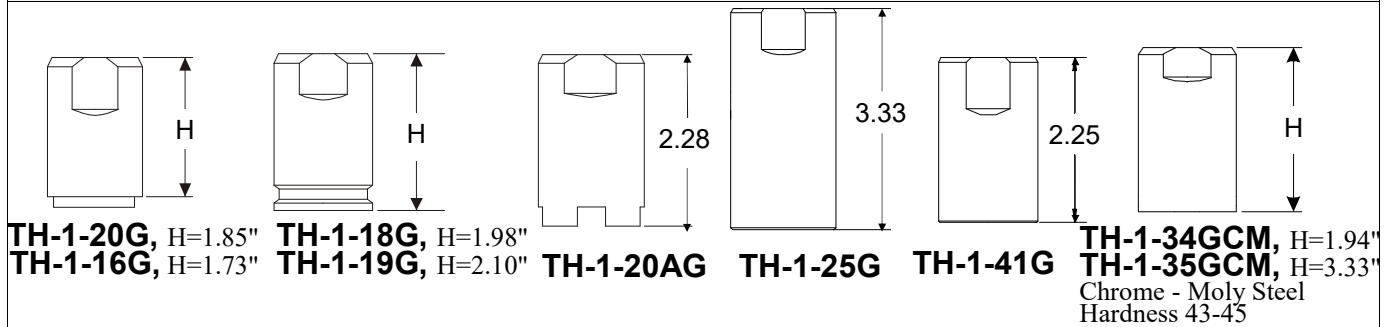
** Note: Spring Retainer From Old Plate Must Be Transferred To New.

CHRYSLER 10" 254mm LOCKUP, A-606, FWD



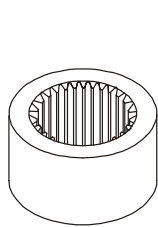
ILL. # 2

IMPELLER HUBS, 1.498" DIA.



Suffix Code: No Suffix-Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. # 11 INNER RACE

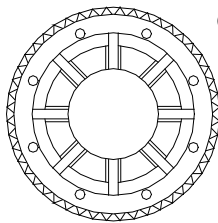


O.D. 1.72"
Height 1.09"
27 Spline

TX-14-7

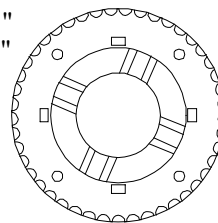
ILL. # 12

WASHERS

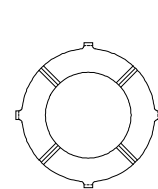


O.D. 3.61"
I.D. 1.42"

TW-4-14, .36" Thick
Replaces **TW-4-4**



TW-4-4, .31" Thick
TW-4-13, .26" Thick

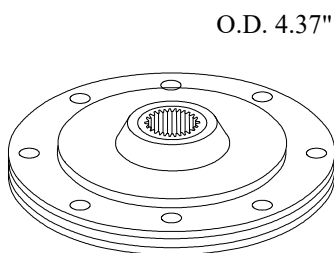


O.D. 2.32"
I.D. 1.44"
Thick .06"

TW-3-8, .16" Lug Width
TW-3-10, .31" Lug Width

ILL. # 15

TURBINE HUB

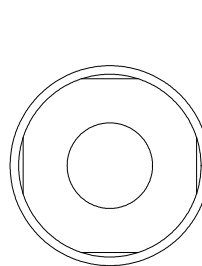


O.D. 4.37"

TX-13-13HT, 22 Spline
TX-13-14HT, 24 Spline

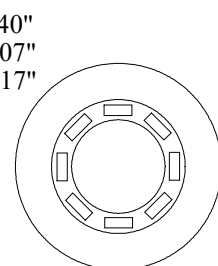
ILL. # 22

BEARING



O.D. 2.40"
I.D. 1.07"
Thick .17"

TW-9-13



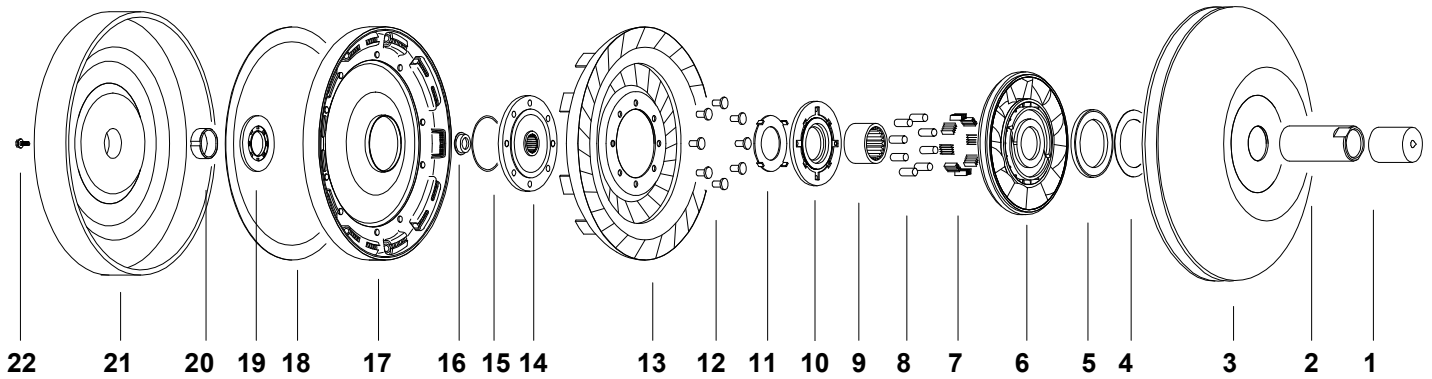
O.D. 2.40"
I.D. 1.07"
Thick .13"

TW-9-13, Latest design
Use With Shim **TW-9-14**

CHRYSLER 10" 254mm LOCKUP, A-606, FWD

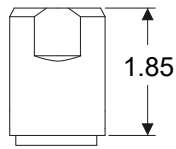
ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Green, For 1-1/2" Dia. Hubs		MHC-G
2	Hub, Impeller			See Page 5-6
3	Impeller			
4	Bearing	Unitized		TW-2-4
5	Shim, Selective	.010" Thick		TW-2-110
		.020" Thick		TW-2-120
		.030" Thick		TW-2-130
6	Stator Assembly			
7	Retainer	Spring		TX-15-6
8	Cam	Outer Race		TX-15-7
9	Spring, Accordion	.600" Wide	8	TS-6
10	Roller	5/16" Dia. x .623" Long	8	TR-7
11	Race, Inner	27 Spline, 1.04" High		TX-14-7
12	Cap, Stator	Aluminum		TW-4-4
		Aluminum, Uses Bronze Washer		TW-4-13
		Aluminum, Improved		TW-4-14
	Washer	Bronze, .06" Thick, .160" Wide 4 Lugs , Use TW-3-10*		TW-3-8
		Bronze, Improved, .06" Thick, .312" Wide 4 Lugs		TW-3-10
13	Rivet		8	TX-12L
14	Turbine	10-3/4" Dia.		
15	Turbine Hub	22 Spline		TX-13-13HT
16	O-Ring	Hi Temperature 4.15" I.D., .108" Dia.		TO-25-6
		Hi Temperature 4.15" I.D., .108" Dia., Fluorocarbon		TO-25-6V
		Oversize, Salvages Grooved Pistons, 4.11" I.D., .122"		TO-25-6X
17	Ring, Back-Up	PTFE		TO-25-7
18	Seal, Metal Clad	High Temperature		TO-25-8
19	Spring, Damper	Pink, .48" O.D., 2.50" Long, 19 Coils	10	TX-24-8
N.I.	Salvage Ring™	To Beef Up Ballooned Pistons For 9-1/2" And 10" Units		TX-24-559
20	Lockup Clutch	Without Lining, 10-5/16" O.D.		TX-24-9
		With Lining, 10-5/16" O.D.		TX-24-10
		Billet, For A-606/42LE		TX-24-14
21	Lining	9-3/4" O.D., 8-1/4" I.D., .045" Thick		YX-23-3K*
	* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan			
	Ring, Floating	10-5/16" O.D., 8-13/16" I.D., .070" Thick		TX-26-11
		10-5/16" O.D., 8-13/16" I.D., .070" Thick, Raybestos		TX-26-11RB
22	Bearing	Cover, Improved Lubrication		TW-9-13
N.I.	Shim	2.050" O.D., 1.060" I.D., .020" Thick		TW-9-14
23	Bushing	Standard 1.295" O.D., 1.067" I.D., .360" High		TB-18-13
		.020" Oversize O.D. x Undersize I.D.		TB-18-14
24	Cover, Front			
25	Bolt, Hex Head	M10 x 1.5, 13.2mm Long	4	B-62
N.I.	Salvage Ring™	CoreSaver™, .375" Wide		TX-22-840
		CoreSaver™, .250" Wide		TX-22-840NR
N.I.	Pad, Mounting	Threaded M10 x 1.5	4	TX-10-6

CHRYSLER 10" 41TE & 42LE

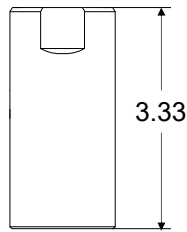


ILL. #2

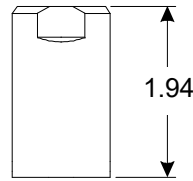
IMPELLER HUBS, 1.500 DIA.



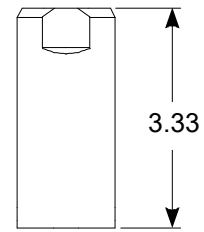
TH-1-20G



TH-1-25G



TH-1-34GCM,
Chrome - Moly Steel
Hardness Rc 43-45

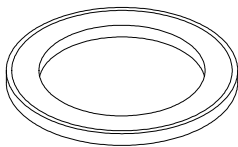


TH-1-35GCM,
Chrome - Moly Steel
Hardness Rc 43-45

Suffix Code: No Suffix - Unfinished, "G" - Finish Ground,
"RC" - Hardness Rc 32-36

ILL. # 5

BEARING

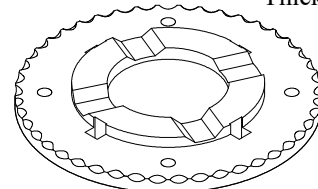


TW-2-22

O.D. 2.89"
I.D. 2.086"
Thick. .18"
Flange Dia. 2.99"

ILL. # 10

STATOR CAP

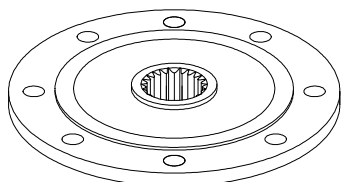


TW-4-13

O.D. 3.62"
I.D. 1.42"
Thick. .27"

ILL. #14

TURBINE HUB

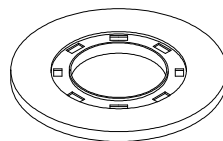


TX-13-41HT

O.D. 4.10"
22 Spline

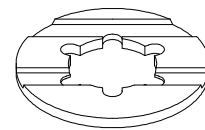
ILL. # 19

BEARING, WASHERS



TW-9-13

O.D. 2.40"
I.D. 1.07"
Thick. .135"



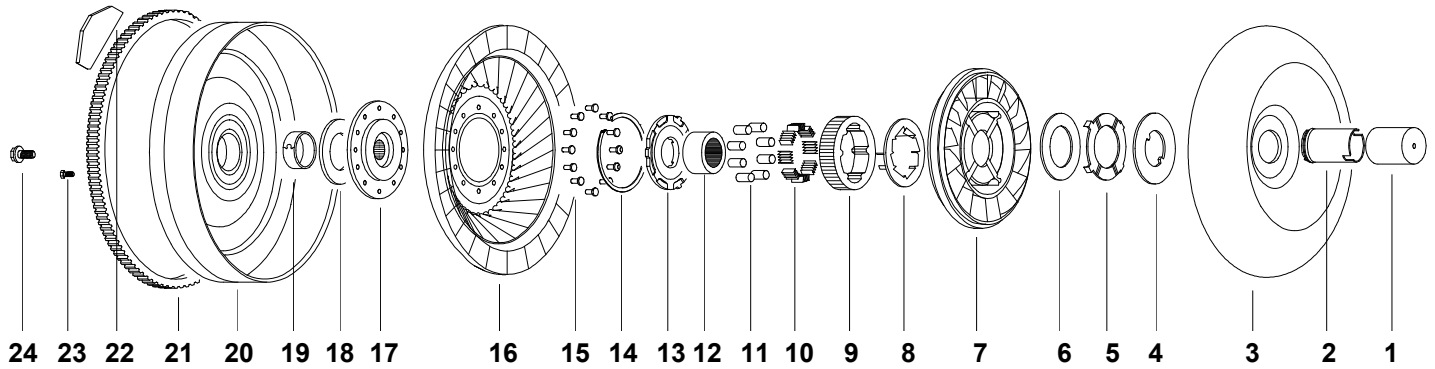
TW-9-15

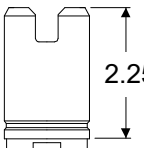
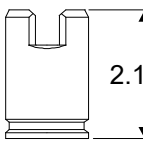
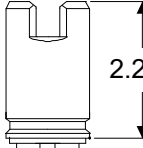
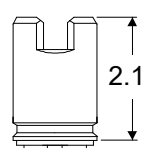
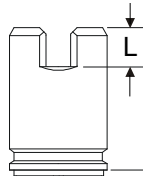
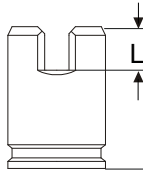
O.D. 2.36"
I.D. 1.08"
Thick. .136"

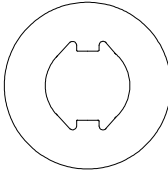
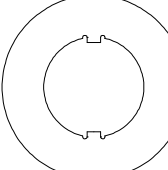
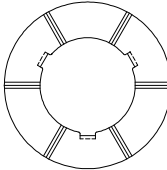
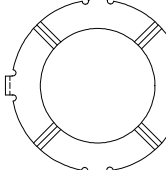
CHRYSLER 10" 41TE & 42LE

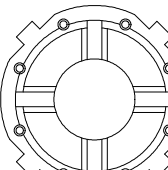
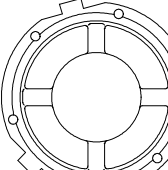
ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Green, For 1-1/2" Dia. Hubs		MHC-G
2	Hub, Impeller	Butt Style, 1.85" High Butt Style, 3.33" High Butt Style, 1.94" High, Chrome - Moly Steel Butt Style, 3.33" High, Chrome - Moly Steel		TH-1-20G TH-1-25G TH-1-34GCM TH-1-35GCM
3	Impeller			
4	Shim	2.87" O.D., 2.07" I.D., .01" Thick 2.87" O.D., 2.07" I.D., Flange Dia. 73.5mm (2.99") .02" Thick 2.87" O.D., 2.07" I.D., .03" Thick		TW-2-210 TW-2-220 TW-2-230
5	Bearing	Enclosed Type, 2.89" O.D., 2.086" I.D., .18" Thick		TW-2-22
6	Stator			
7	Spring, Accordion	.60" Wide, .31" High	8	TS-6
8	Roller	5/16" Dia., .623" Long	8	TR-7
9	Race, Inner	27 Spline		
10	Cap, Stator	Aluminum, 3.62" O.D., 1.42" I.D., .27" Thick		TW-4-13
11	Washer			
12	Rivet	1/4" Shank Dia., .48" Long	8	TX-12-2
13	Turbine			
14	Turbine Hub	22 Spline, 4.10" O.D.		TX-13-41HT
15	O-Ring	2.24" I.D., .070" Wide		TO-25-19
16	Seal, Metal Clad	19.8mm O.D., 13.0mm I.D., Hi Temperature		TO-25-8
17	Damper, Assembly			
18	Lining	Grooved 10" O.D., 8-3/4" I.D., .045" Thick		TX-23-17M*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
19	Bearing Turbine Washer	Enclosed Type, 2.40" O.D., 1.07" I.D., .135" Thick Fiber, 2.36" O.D., 1.08" I.D., .136" Thick Bronze, 2.36" O.D., 1.08" I.D., .138" Thick Phenolic, Late style, 2.35" O.D., 1.08" I.D., .135" Thick		TW-9-13 TW-9-15 TW-9-15B TW-9-30
20	Bushing	Standard 1.295" O.D., 1.067" I.D., .360" High .020" Oversize O.D., x Undersize I.D.		TB-18-13 TB-18-14
21	Cover, Front			
22	Bolt, Hex Head			
N.I.	Salvage Ring™	CoreSaver™, .375" Wide CoreSaver™, .250" Wide		TX-22-840 TX-22-840NR

CHRYSLER 10-3/4" NON-LOCKUP, TF-6/A-904 & TF-8/A-727, RWD



ILL. # 2 IMPELLER HUBS 1.498" DIA.,				1.875" DIA.	
					
2.25	2.19	2.24	2.15	2.375	2.312
TH-1G	TH-1TG	TH-1-1G	TH-1-2G	TH-1-8GRC, L= .61" <i>Replaced by:</i> TH-1-33GRC, L= .67"	TH-1-5TGRC, L= .61" <i>Replaced by:</i> TH-1-33TGRC, L= .67"
Suffix Code : No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36					

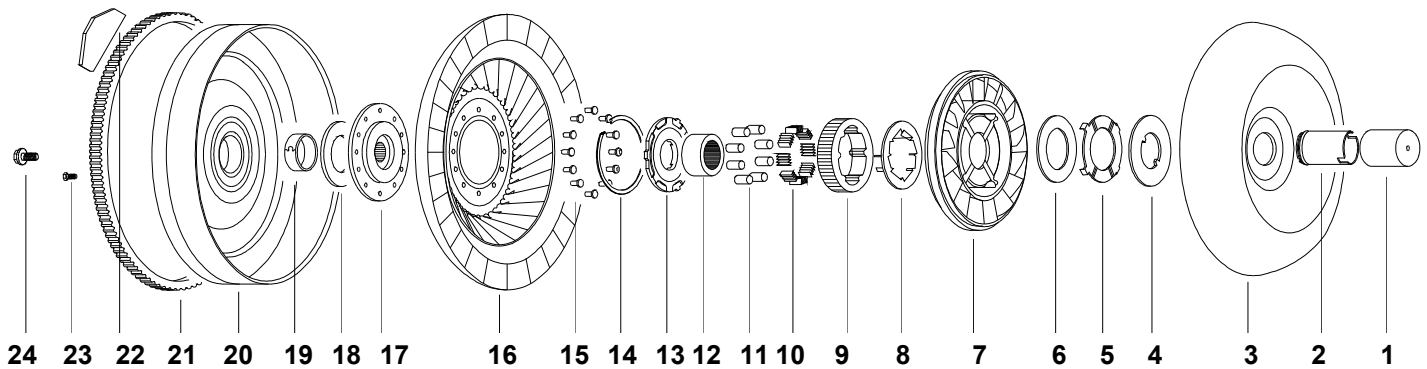
ILL. # 4 STEEL WASHERS		ILL. #5 WASHERS	
O.D. 2.88" I.D. 1.50" Thick. .09"	O.D. 2.95" I.D. 1.50" Thick. .07"	O.D. 2.80" I.D. 1.60" Thick. .06"	O.D. 2.94" I.D. 1.96" Thick. .06"
			
TW-2-1	TW-2	TW-3	TW-3-3

ILL. # 13 STATOR CAPS	
O.D. 3.24" I.D. 1.38" Thick. .32"	O.D. 3.38" I.D. 1.48" Thick. .28"
	
TW-4	TW-4-2

CHRYSLER 10-3/4" NON-LOCKUP, *continued*
TF-6/A-904, TF-8/A-727, RWD

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Green, For 1 1/2" Dia. Hubs Yellow, For 1-7/8" Dia. Hubs		MHC-G MHC-Y
2	Hub, Impeller	1.498" Dia., TF-6 1.498" Dia., TF-6 1.498" Dia., TF-6 1.498" Dia., TF-6 1.875" Dia., TF-8, Replaces TH-1-8GRC 1.875" Dia., TF-8, Replaces TH-1-5TGRC		TH-1G TH-1TG TH-1-1G TH-1-2G TH-1-33GRC TH-1-33TGRC
3	Impeller			
4	Washer, Steel	.22" Wide Lugs .43" Wide Lugs		TW-2 TW-2-1
5	Washer, Bronze	3 Lugs 4 Lugs		TW-3 TW-3-3
6	Shim	End Play, Selective, .010" Thick .020" Thick .030" Thick		TW-2X10 TW-2X TW-2X30
7	Stator			
8	Retainer	To 1975, O.D. 2.94" I.O. 1.90" High .57" '76-Up, O.D. 3.08" I.O. 2.02" High .57"		TX-15 TX-15-4
9	Cam	To 1975 '76-Up		TX-15-2 TX-15-5
10	Spring, Accordion	.600" Wide	8	TS-6
11	Roller	.316" O.D., .623" Long	8	TR-7
12	Race, Inner	27 Spline, 1.110" I.D., 1.820" O.D., To 1975, TF-6 27 Spline, 1.312" I. D., 1.820" O.D., To 1975, TF-8 27 Spline, 1.102" I. D., 1.940" O.D., '76-Up, TF-6 27 Spline, 1.306" I. D., 1.940" O.D., '76-Up, TF-8		TX-14 TX-14-4 TX-14-5 TX-14-6
13	Cap, Stator	Aluminum, To 1975, 4 Lugs (Phenolic Version TW-4P) Aluminum, '76-Up, 3 Lugs		TW-4 TW-4-2
14	Ring, Snap	Until '75 '76-Up		TX-20 TX-20-2
15	Rivet	.325" Long .435" Long .475" Long	12 12 12	TX-12S TX-12L TX-12-2
16	Turbine	'68 Up		TX-8-1

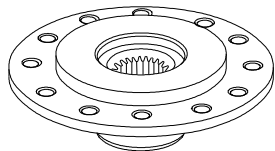
CHRYSLER 10-3/4" NON-LOCKUP, continued **TF-6/A-904, TF-8/A-727, RWD**



ILL. # 17

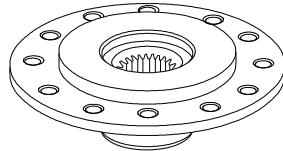
TURBINE HUBS

O.D. 3.96"
I.D. .83"
High 1.23"
27 Spline



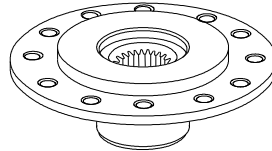
TX-13-1S

O.D. 3.96"
I.D. .96"
High 1.23"
24 Spline



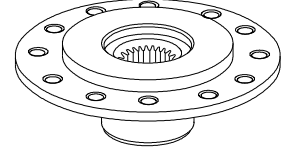
TX-13-3S

O.D. 3.96"
I.D. .83"
High 1.40"
27 Spline



TX-13-4S

O.D. 3.96"
I.D. .96"
High 1.40"
24 Spline

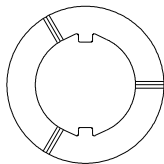


TX-13-5S

ILL. # 18

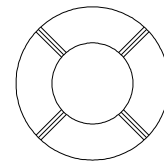
TURBINE WASHERS

O.D. 2.26"
I.D. 1.51"
Thick. .07"



TW-9-3, TW-9-4

O.D. 2.76"
I.D. 1.55"
Thick. .07"



TW-9-5A, Thick. .063"
TW-9-5B, Thick. .083"
TW-9-5C, Thick. .130"

ILL. # 22

COUNTERWEIGHTS

14 Gram

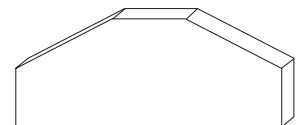
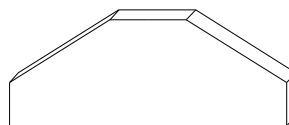
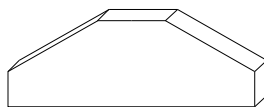
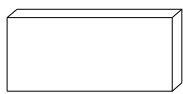
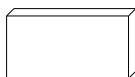
33 Gram

56 Gram

100 Gram

120 Gram

132 Gram



TX-22WG

TX-22WM

TX-22WL

TX-22WA

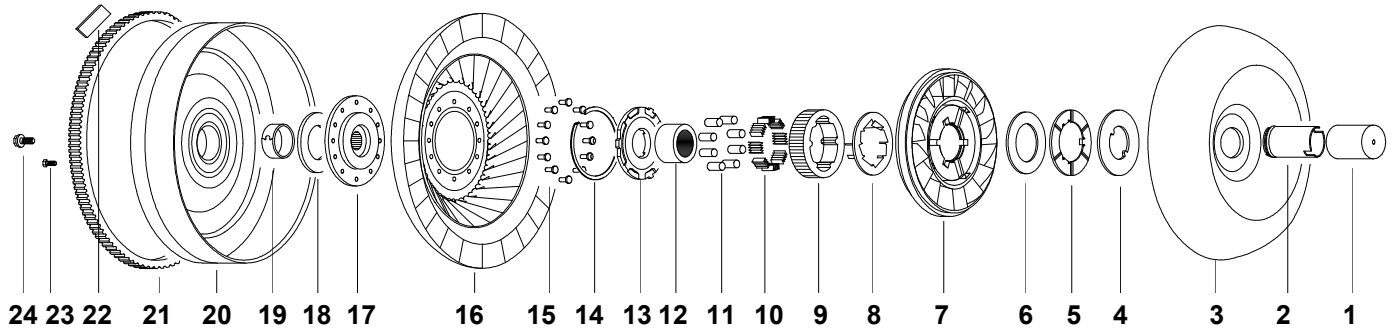
TX-22WD

TX-22WB

CHRYSLER 10-3/4" NON-LOCKUP, *continued*
TF-6/A-904, TF-8/A-727, RWD

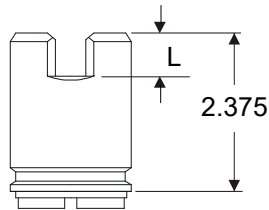
ILL.#		DESCRIPTION	QTY.	PART #
17	Turbine Hub	27 Spline, '68-'76, TF-6		TX-13-1S
		24 Spline, '68-'76, TF-8		TX-13-3S
		27 Spline, '77-Up, TF-6		TX-13-4S
		24 Spline, '77-Up, TF-8		TX-13-5S
18	Washer, Turbine	Bronze '62-'67		TW-9-3
		Bronze '68-'74		TW-9-4
		Phenolic '75-Up		TW-9-5A
		Phenolic '75-Up		TW-9-5B
		Phenolic '75-Up		TW-9-5C
		<i>Add Suffix "F" For Fibre</i>		
		Fibre '60-'61 2.13" O.D., 1.25" I.D., .063" Thick		WW-9-7A
		Fibre 2.25" O.D., 1.27" I.D., .083" Thick		WW-9-7B
19	Bushing, Bronze	'60-'67, " 1.324" O.D., 1.206" I.D., .500" Wide		TB-18
		'68-'77, 1.574" O.D., 1.447" I.D., .500" Wide		TB-18-1
		'77-Up, 1.574" O.D., 1.447" I.D., .375" Wide		TB-18-3
20	Cover, Front			
21	Ring Gear	148 Teeth, 11.190" I.D., '60-'61, TF-6		RG-148
		122 Teeth, 11.190" I.D., '62-Up, TF-6		RG-122
		130 Teeth, 11.190" I.D., Wide Ring Gear, TF-8		RG-130H
22	Weight, Balance	14 Gram		TX-22WG
		33 Gram		TX-22WM
		56 Gram		TX-22WL
		100 Gram		TX-22WA
		120 Gram		TX-22WD
		132 Gram		TX-22WB
23	Plug, Drain	1/8 NPT, Steel		FX-11
		1/8" NPT, Teflon® Wrap		FX-11A
		1/16 NPT		TX-11
24	Bolt	5/16-24 × 7/16	4	B-61
N.I.	Pad, Mounting	Threaded 5/16-24, TF-8 To '75	4	TX-10-2
		Threaded, High Performance, To '75	4	TX-10-3
		Threaded '76-Up, 5/16-24	4	TX-10-4
N.I.	Sleeve, Pilot	Adapts 1.550" Pilot To 1.810"		TX-17
N.I.	Pilot	'68 Up		TX-23-1

CHRYSLER 11-3/4" NON-LOCKUP, TF-8/A-727, RWD

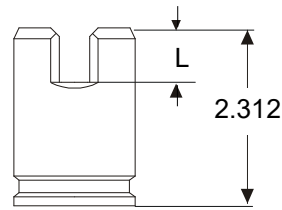


ILL. # 2

IMPELLER HUBS, 1.875" DIA.



TH-1-8GRC, L= .61"
Replaced by:
TH-1-33GRC, L= .67"

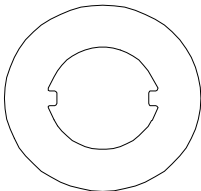


TH-1-5TGRC, L= .61"
Replaced by:
TH-1-33TGRC, L= .67"

Suffix Code: No Suffix-Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. # 4 STEEL WASHER

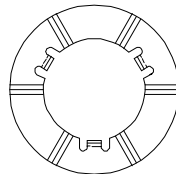
O.D. 3.30"
I.D. 1.80"
Thick. .07"



TW-2-2

ILL. # 5 WASHER

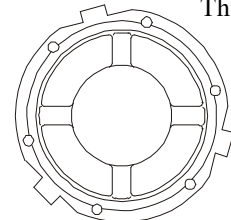
O.D. 3.20"
I.D. 1.92"
Thick. .08"



TW-3-2

ILL. # 13 STATOR CAP

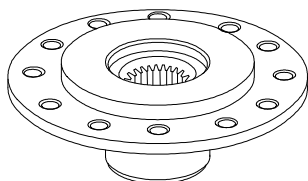
O.D. 3.65"
I.D. 1.48"
Thick. .35"



TW-4-1A

ILL. # 17 TURBINE HUB

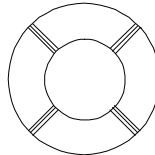
O.D. 3.96"
Height 1.23"



TX-13-2S, 19 Spline
TX-13-3S, 24 Spline

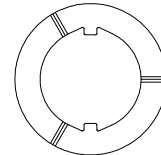
ILL. # 18 TURBINE WASHERS

O.D. 2.75"
I.D. 1.45"



TW-9-5A Thick. .063"
TW-9-5B Thick. .083"
TW-9-5C Thick. .130"

O.D. 2.76"
I.D. 1.78"
Thick. .07"

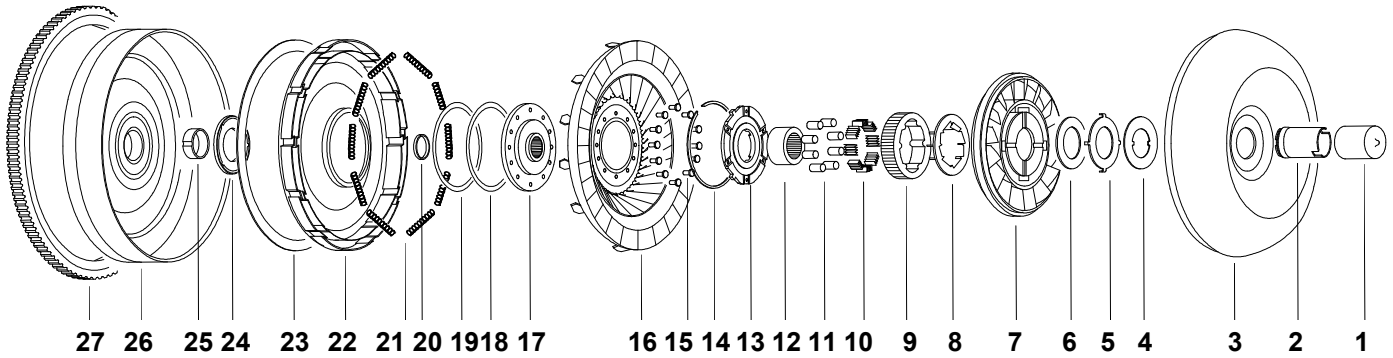


TW-9-4

CHRYSLER 11-3/4" NON-LOCKUP, TF-8/A-727, RWD

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Yellow, For 1 7/8" Dia. Hubs		MHC-Y
2	Hub, Impeller Butt Mount, .61" x .40" Slot Width		TH-1-5TGRC
	Butt Mount, .67" x .60" Slot Width		TH-1-33TGRC
	Thru Mount, .61" x .40" Slot Width		TH-1-8GRC
	Thru Mount, .67" x .60" Slot Width		TH-1-33GRC
3	Impeller		
4	Washer, Steel		TW-2-2
5	Washer Bronze, 3 Lugs		TW-3-2
6	Shim End Play, 2.94" O.D., 2.16" I.D., .01" Thick.		TW-2-10
	.02" Thick		TW-2-20
	.03" Thick		TW-2-30
7	Stator		
8	Retainer Spring Retainer, Stator		TX-15-1
			TX-15-4
9	Cam Stator		TX-15-3
10	Spring, Accordion .600" Wide	8	TS-6
11	Roller	8	TR-7
12	Race, Inner		TX-14-3
13	Cap, Stator Aluminum (Phenolic Version TW-4-1P)		TW-4-1A
14	Ring, Snap		TX-20-1
15	Rivet	12	TX-12S
		12	TX-12L
16	Turbine		
N.I.	Beefplate™ To Salvage Ripped Turbines		TX-13X
17	Turbine Hub 3.96" O.D. 1.23" High, 19 Spline, 144 Pilot, Passenger		TX-13-2S
	1.385 Pilot, Industrial		TX-13-2Y
	3.96" O.D. 1.23" High, 24 Spline		TX-13-3S
18	Washer, Turbine Bronze .070" Thick.		TW-9-4
	.063" Thick.		TW-9-5A
	.083" Thick.		TW-9-5B
	.130" Thick.		TW-9-5C
	<i>Add Suffix "F" For Fibre</i>		
19	Bushing, Bronze 1.574" O.D., 1.447" I.D., .500" Wide		TB-18-1
	1.610" O.D., 1.405" Undersize I.D., .500" Wide		TB-18-1A
20	Cover, Front		
21	Ring Gear		RG-130
22	Weight, Balance 12 Gram, 1.12" x .50"		TX-22WS
	33 Gram, 1.50" x .75"		TX-22WM
	56 Gram, 1.60" x .75"		TX-22WL
23	Plug, Drain 1/8 NPT, Steel		FX-11
	1/8" NPT, Teflon® Wrap		FX-11A
	1/16 NPT		TX-11
24	Bolt Hex Head, 5/16-24 x 7/16	4	B-61
N.I.	Pad, Mounting 5/16 - 24	4	TX-10-2
N.I.	Pilot		TX-23-1

CHRYSLER, 10-3/4" LOCKUP, EARLY, TF-6/A-904 & TF-8/A-727, RWD



ILL. #2 IMPELLER HUBS, 1.498" DIA.			IMPELLER HUBS, 1.875" DIA.	
TH-1-2GRC	TH-1TBGRC	TH-1TSGRC	TH-1-3GRC , L= .61" <i>Replaced by:</i> TH-1-32GRC , L= .67"	TH-1-15GRC , L= .61" <i>Replaced by:</i> TH-1-32TGRC , L=.67"
Suffix Code: No Suffix-Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36				

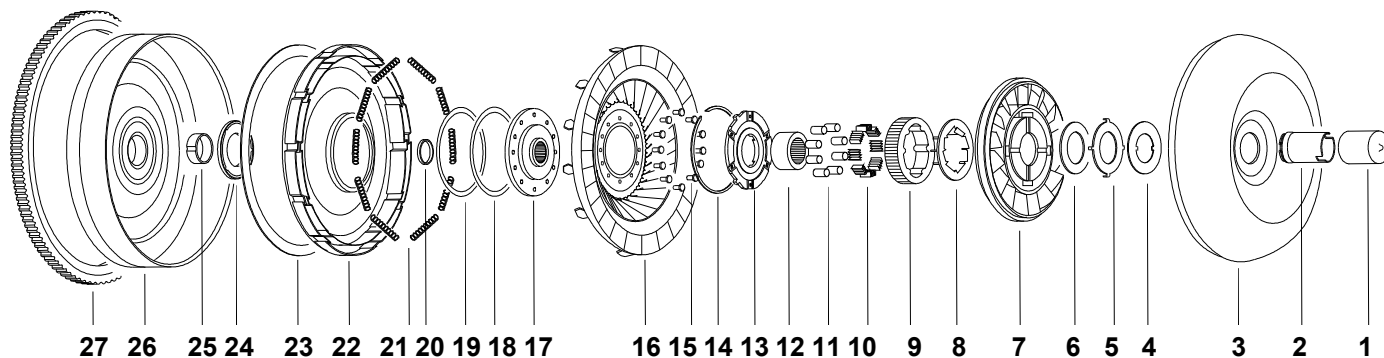
ILL. #4 STEEL WASHERS	ILL. #5 WASHER	ILL. #6 SHIMS
Thick. .07"	O.D. 2.94" I.D. 1.96"	
TW-2 O.D. 2.95" I.D. 1.50"	TW-3-3	MW-2-10 , Thick. .01" MW-2-20 , Thick. .02" MW-2-30 , Thick. .03"
TW-2-2 O.D. 3.30" I.D. 1.80"		TW-2-10 , Thick. .01" TW-2-20 , Thick. .02" TW-2-30 , Thick. .03"

ILL. #12 INNER RACES	ILL. #13 STATOR CAP
O.D. 1.94" Height 1.04" Spline 27	O.D. 3.38" I.D. 1.48" Thick. .28"
TX-14-5 , TF-6, 1.10" I.D. TX-14-6 , TF-8, 1.30" I.D.	TW-4-2 , Aluminum

CHRYSLER, 10-3/4" LOCKUP, EARLY, *continued*
TF-6/A-904 & TF-8/A-727, RWD

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Green, for 1-1/2" Dia. Hubs		MHC-G
		Yellow™, for 1-7/8" Dia. Hubs		MHC-Y
2	Hub	For TF-6/A-904, 1.498" Dia., Thru Mount		TH-1-2GRC
		For TF-6/A-904, 1.498" Dia., Butt Mount		TH-1TBGRC
		For TF-6/A-904, 1.498" Dia., Butt Mount		TH-1TSGRC
		For TF-8/A-727, 1.875" Dia., Thru Mount, .61" x .40" Slot Width		TH-1-3GRC
		For TF-8/A-727, 1.875" Dia., Butt Mount, .61" x .40" Slot Width		TH-1-15GRC
		For TF-8/A-727, 1.875" Dia., Thru Mount, .67" x .60" Slot Width		TH-1-32GRC
		For TF-8/A-727, 1.875" Dia., Butt Mount, .67" x .60" Slot Width		TH-1-32TGRC
3	Impeller			
4	Washer, Steel	TF-6		TW-2
		TF-8		TW-2-2
5	Washer	Stator, Bronze		TW-3-3
6	Shim	2.94" O.D., 1.88" I.D., .010" Thick		MW-2-10
		2.94" O.D., 1.88" I.D., .020" Thick		MW-2-20
		2.94" O.D., 1.88" I.D., .030" Thick		MW-2-30
		2.95" O.D., 2.16" I.D., .010" Thick (Early)		TW-2-10
		2.95" O.D., 2.16" I.D., .020" Thick (Early)		TW-2-20
		2.95" O.D., 2.16" I.D., .030" Thick (Early)		TW-2-30
7	Stator	Casting, Bare, Low Stall, Casting #4028347		TX-5-5
		High Stall, Casting #4028375		TX-5-6
		Complete With Rollers TF-6 Low Stall #4028347		TX-5-55
		<i>Add Suffix "A" For Stator With Cam & Retainer Assembled</i>		
8	Retainer			TX-15-4
9	Cam			TX-15-5
10	Spring, Accordion	.600" Wide, .31" High, 4 Folds	8	TS-6
11	Roller	.623" High .316" Dia.	8	TR-7
12	Race, Inner	TF-6, 27 Spline, 1.939" O.D., 1.04" High		TX-14-5
		TF-8, 27 Spline, 1.939" O.D., 1.04" High		TX-14-6
13	Cap, Stator	Aluminum		TW-4-2
14	Ring, Snap			TX-20-2
15	Rivet		12	TX-12-2
16	Turbine			TX-8-4

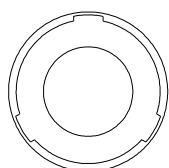
CHRYSLER, 10-3/4" LOCKUP, EARLY, continued TF-6/A-904 & TF-8/A-727, RWD



ILL. #24

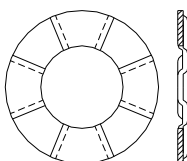
BEARINGS & TURBINE WASHERS

O.D. 2.60"
Thick. .17"



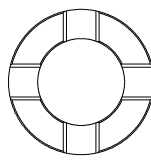
TW-9-6, 1.46" I.D.
TW-9-8, 1.40" I.D.

O.D. 2.38"
I.D. 1.42"
Thick. .17"



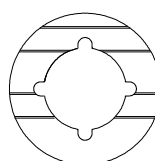
TW-9-18
Bronze

O.D. 2.35"
I.D. 1.40"
Thick. .17"



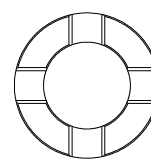
TW-9-20
Phenolic

O.D. 2.56"
I.D. 1.39"
Thick. .16"



TW-9-21, TW-9-21HD
Fiber

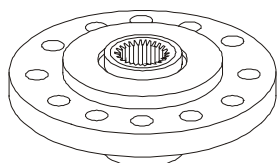
O.D. 2.35"
I.D. 1.53"
Thick. .18"



TW-9-22
Phenolic

ILL. #17 **TURBINE HUB**

O.D. 4.26"

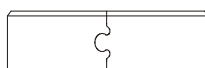


TX-13-6S, 26 Spline
TX-13-7S, 23 Spline

ILL. #25

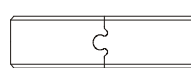
BUSHINGS

O.D. 1.57"
I.D. 1.45"
Height .50"



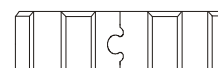
TB-18-1

O.D. 1.57"
I.D. 1.44"
Height .38"



TB-18-3

O.D. 1.61"
I.D. 1.39"
Height .50"
6 Grooves

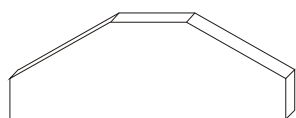


TB-18-4

ILL. #N.I.

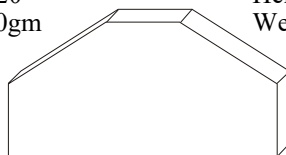
COUNTERWEIGHT

Length 3.50"
Height 1.20"
Weight 100gm



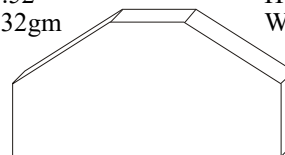
TX-22WA

Length 3.50"
Height 1.52"
Weight 132gm



TX-22WB

Length 3.50"
Height 1.52"
Weight 120gm

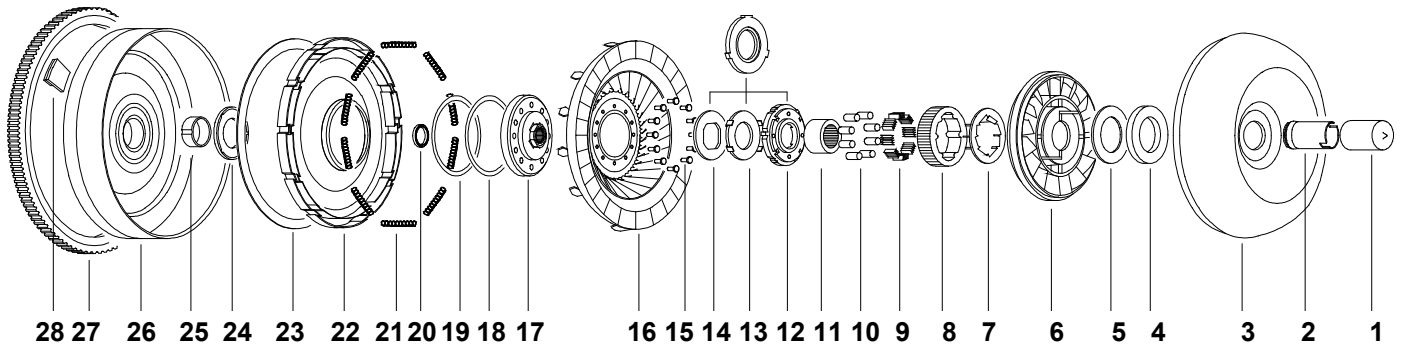


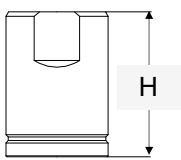
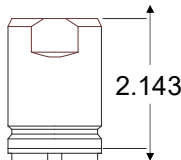
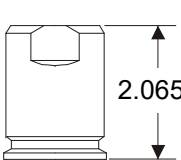
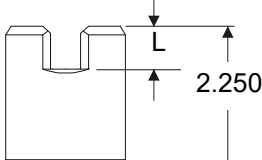
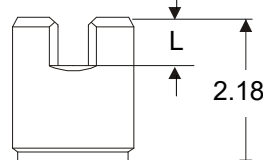
TX-22WD

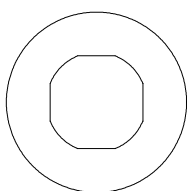
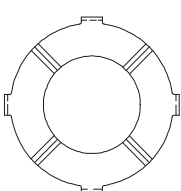
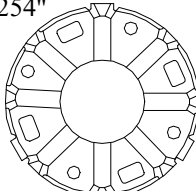
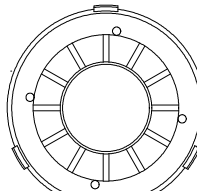
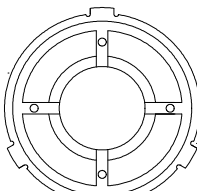
CHRYSLER, 10-3/4" LOCKUP, EARLY, *continued* **TF-6/A-904 & TF-8/A-727, RWD**

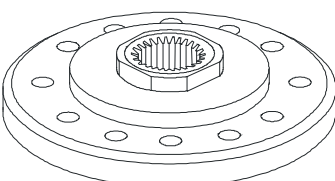
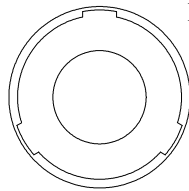
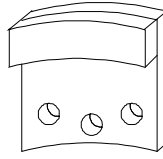
ILL.#	DESCRIPTION		QTY.	PART #
17	Turbine Hub (Steel)	A-904, 26 Spline (Use With TW-9-8 & TB-18-4), Alternate TX-13-29HT+ TW-4-11 Washer A-727, 23 Spline(Use With TW-9-8 & TB-18-4), Alternate TX-13-28HT+ TW-4-11 Washer		TX-13-6S TX-13-7S
18	O-Ring	Fluorocarbon		TO-25-3V
19	Ring, Seal	Back-Up, PTFE		TO-25-2
20	Seal, Metal Clad			TO-25-1
21	Spring, Isolator	Blue, 225 Engines Red, 360 Engines White, 318 Engines Yellow, Replaces Orange	10 10 10 10	TX-24B TX-24R TX-24W TX-24-1
22	Lockup Clutch			TX-26-2
23	Lining	10 9/16" O.D., 9 1/4" I.D., .045" Thick 10-1/2" O.D., 9-1/8" I.D., .045" Thick 9.921" O.D., 7.921" I.D., .045" Thick		TX-22XK* TX-23XK* TX-23-25K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
	Ring, Floating	10-3/4" O.D., 9-1/4" I.D., .070" Thick 10-3/4" O.D., 9-1/4" I.D., .070" Thick, Raybestos		TX-26-4 TX-26-4RB
24	Bearing	Enclosed, 1.45" I.D. 1st. Type		TW-9-6
	Bearing	Enclosed, 1.40" I.D. 2nd. Type		TW-9-8
N.I.	Washer	Phenolic, To Replace TW-9-8 Bearing		TW-9-20
	Washer	Fiber, To Replace TW-9-8 Bearing, .160" Thick 160" Thick 180" Thick		TW-9-21 TW-9-21HD TW-9-22
	Washer	.130" Thick		TW-9-25
N.I.	Shim	.140" Thick Bronze, To Replace TW-9-8 Bearing Use Under Bearing, 2.40" O. D., 1.45" I. D., .010" Thick .020" Thick .030" Thick.		TW-9-26 TW-9-18 TW-9-010 TW-9-020 TW-9-030
25	Bushing	For Early Application, 1.574" x 1.442" x .375" Replaces Above For Heavy Duty, 1.574" x 1.447" x .500" Salvage Size For Above, 1.610" x 1.405" x .500" With External Slots, 1.610" x 1.385" x .503" Unbored		TB-18-3 TB-18-1 TB-18-1A TB-18-4 TB-18-4X
26	Cover, Front	With 122 Tooth Ring Gear With 131 Tooth Ring Gear		TX-22-122 TX-22-131
27	Ring Gear	122 Teeth		RG-122
N.I.	Counterweight	100 Gram132 Gram 120 Gram		TX-22WA TX-22WB TX-22WD
N.I.	Bolt	5/16 x 24, 7/16" Long		B-61
N.I.	Pad, Mounting	5/16 x 24		TX-10-4
N.I.	Salvage Ring™	CoreSaver™, .375" Wide CoreSaver™, .250" Wide		TX-22-878 TX-22-878NR

CHRYSLER 10-3/4" LOCKUP, LATE PRODUCTION, A-500, A-518, RWD



ILL. #2 1.498" DIA., A-500			IMPELLER HUBS	1.875" DIA., A-518	
					
TH-1-19GRC H=2.100"				TH-1-3GRC , L= .61"	TH-1-15GRC , L= .61"
TH-1-40GRC H=2.55"	TH-1-17GRC	TH-1-24GRC		Replaced by: TH-1-32GRC , L= .67"	Replaced by: TH-1-32TGRC , L= .67"
Suffix Code: No Suffix-Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36					

ILL #14, 13, 12 PLATE, WASHER & STATOR CAP REPLACED BY STATOR CAP OR BEARING ADAPTER					
O.D. 2.50" I.D. 1.37"	O.D. 2.41" I.D. 1.43"	O.D. 3.38" I.D. 1.48" Thick. .254"		O.D. 3.38" I.D. 1.48"	
					
TW-4-11 , .025" Thick TW-4-11A , .058" Thick	TW-3-7 , .19" Wide Lugs TW-3-9 , .31" Wide Lugs	TW-4-12		TW-4-16 .36" Thick	TW-4-17 .28" Thick

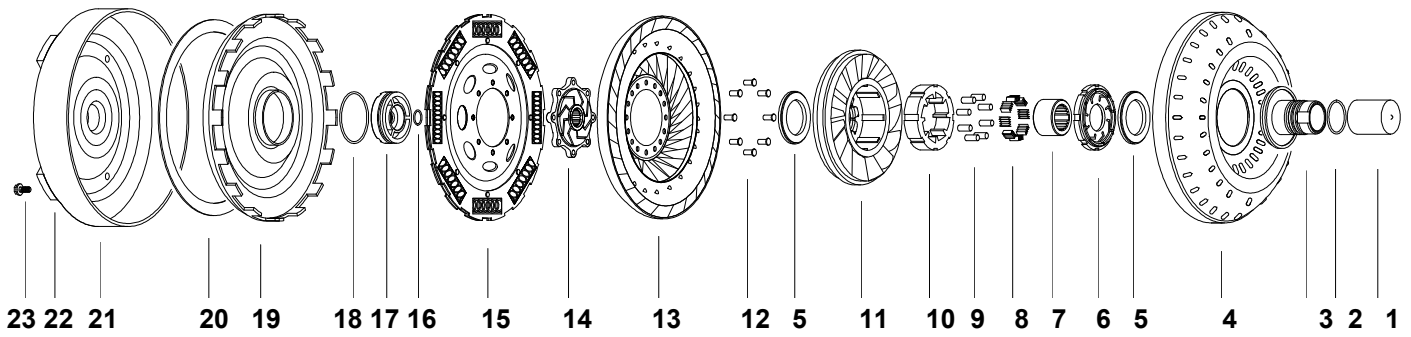
ILL# 17	TURBINE HUBS	ILL# 24	BEARING	ILL# 28	WEIGHT
	O.D. 4.24"		O.D. 2.60" I.D. 1.40"		Weight 90gm
					
	TX-13-28HT , A518, 23 Spline TX-13-29HT , A500, 26 Spline		TW-9-8		TX-22WC

CHRYSLER 10-3/4" LOCKUP, LATE PRODUCTION, A-500, A-518, RWD

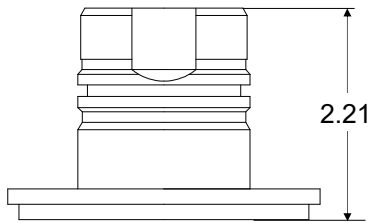
ILL.		DESCRIPTION	QTY.	PART #
1	Hubcap®	Green, For 1-1/2" Dia. Hubs Yellow™, For 1-7/8" Dia. Hubs		MHC-G MHC-Y
2	Hub, Impeller	1.498" Dia., Flats, A-500 1.875" Dia., Slots, A-518		See Page 5-20
3	Impeller			
4	Bearing	Enclosed		TW-2-4
5	Shim, Selective	Use Under Bearing TW-2-4, .010" Thick .020" Thick .030" Thick		TW-2-110 TW-2-120 TW-2-130
6	Stator	With Cam, High Stall, Bearing Type		TX-5-518
7	Retainer			TX-15-4
8	Cam			TX-15-5
9	Spring, Accordion	.600" Wide	8	TS-6
10	Roller	5/16" Dia. x .623" Long	8	TR-7
11	Race, Inner	27 Spline, A-500, 1.100" I.D. 27 Spline, A-518, 1.315" I.D.		TX-14-5 TX-14-6
12*	Cap, Stator	Sintered, 3 Lugs		TW-4-12
13*	Washer, Bronze	Heavy Duty, .188" Wide Lugs Heavy Duty, .312" Wide Lugs		TW-3-7 TW-3-9
14*	Plate, Steel	Square Hole, .025" Thick Square Hole, .058" Thick		TW-4-11 TW-4-11A
15	Rivet		12	TX-12-2
16	Turbine	10-3/4" Dia.		
17	Turbine Hub	26 Spline, A-500, With Square Washer Boss 23 Spline, A-518, With Square Washer Boss		TX-13-29HT TX-13-28HT
18	O-Ring	Fluorocarbon		TO-25-3V
19	Ring, Back-Up	PTFE		TO-25-2
20	Seal, Metal Clad	Hi Temperature		TO-25-1
21	Spring, Damper	Blue, 225 Engines Red, 360 Engines White, 318 Engines Green, A-518	10 10 10 10	TX-24B TX-24R TX-24W TX-24G
22	Lockup Clutch	Unlined (Lined Piston, TX-26-2)		TX-26-1
23	Lockup Lining	10-9/16" O.D., 9-1/4" I.D., .045/.070 Thick		TX-22XK**
** - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
	Ring, Floating	10-3/4" O.D., 9-1/4" I.D., .070" Thick 10-3/4" O.D., 9-1/4" I.D., .070" Thick, Raybestos		TX-26-4 TX-26-4RB
24	Bearing	Enclosed, 1.40" I.D., Replaced By Bronze Washer TW-9-18		TW-9-8
N.I.	Shim	Use Under Bearing, 2.40" O. D., 1.45" I. D., .010" Thick .020" Thick .030" Thick.		TW-9-010 TW-9-020 TW-9-030
25	Bushing	Precision Finish In Place		TB-18-4 TB-18-4X
26	Cover, Front	(Use w/ TX-26-4 Drop-In Lining) w/131 Tooth Ring Gear		TX-22-131
27	Ring Gear	122 Teeth, 11.190" I.D. 131 Teeth, 12.162" I.D.		RG-122 RG-130H
N.I.	Salvage Ring™	Core Saver™, Standard Core Saver™, Optional, Small I.D.		TX-22-985 TX-22-878
N.I.	Pad, Mounting	5/16"-24, 7/16"	4	TX-10-4
N.I.	Bolt	Hex Head, 5/16-24, Long	4	B-61
28	Weight	A518, Rectangular, 90 Grams, 2 Piece		TX-22WC

*Note: Parts Can Be Replaced by Phenolic Washer TW-4-16 or by TW-4-17 w/ TW-2-4 Bearing

CHRYSLER 45RFE, 545RFE LIBERTY, GRAND CHEROKEE A518

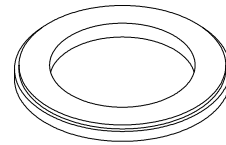


ILL. #3 IMPELLER HUB, 1.875" DIA.



TH-1-42FLG

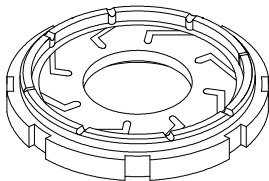
ILL. #5 BEARING



TW-2-4

O.D. 2.82"
I.D. 1.90"
Thick. .18"

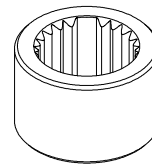
ILL. #6 STATOR CAP



TW-4-19

O.D. 3.50"
I.D. 1.46"
Thick. .42"

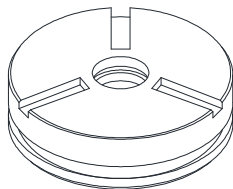
ILL. #7 INNER RACE



TX-14-6

O.D. 1.94"
Height 1.04"
Spline 27

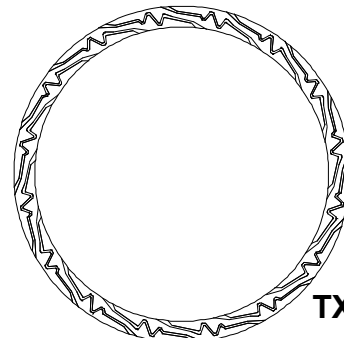
ILL. #17 TURBINE WASHER



TW-9-23, Phenolic
TW-9-23A, Aluminum

O.D. 2.76"
I.D. .69"
Height .67"

ILL. #20 LINING, GROOVED



TX-23-19MK

O.D. 10.500"
I.D. 1.188"
Thick .045"

CHRYSLER 45RFE, 545RFE

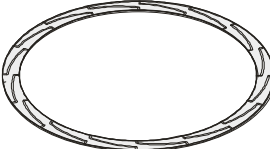
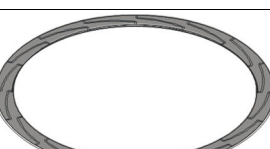
LIBERTY, GRAND CHEROKEE A518

ILL.		DESCRIPTION	QTY.	PART #
1	Hubcap®	Yellow, For 1 7/8" Dia. Hubs		MHC-Y
2	O-Ring	1.612" I.D., .103 Wide		TO-25-15
3	Hub, Impeller	1.875" Dia., Heat Treated, Flanged		TH-1-42FLG
4	Impeller			
5	Bearing		2	TW-2-4
6	Cap, Stator	Phenolic, 4736151AB		TW-4-19
7	Race, Inner	1.94" O.D., 1.04" High, 27 Spline		TX-14-6
8	Roller	5/16" Dia., .623" Long	8	TR-7
9	Spring, Accordion	.60" Wide, .31" High, 4 Folds	8	TS-6
10	Cam, Outer			
11	Stator	4736578AB, 20 Blade		
12	Rivet	.26" Shank Dia., .55" Long	8	TX-12-6
13	Turbine			
14	Turbine Hub	29 Spline 4.28" O.D., SMI-138-AB		TX-13-38HT
15	Damper, Assembl.	8 Springs		
16	O-Ring	.676" I.D., .070 Wide, For TW-9-23/A (Inside)		TO-25-16
17	Turbine Washer	Phenolic, 2.76" O.D., .69" I.D., .67" Thick Aluminum, 2.76" O.D., .69" I.D., .67" Thick, Heavy Duty		TW-9-23 TW-9-23A
18	O-Ring	2.573" I.D., .103 Wide, For TW-9-23/A (Outside)		TO-25-17
19	Lockup Clutch			
20	Lining	10-1/2" O.D., 9-3 /16" I.D., .045" Thick 10-1/2" O.D., 9-3 /16" I.D., .045" Thick, Modulated		TX-23-19 TX-23-19MK*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
21	Cover, Front			
22	Pad, Mounting	Threaded, 5/16"-24	4	
23	Bolt	Threaded, 5/16"-24	4	

CHRYSLER 62TE

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Green	For Hub Dia. 1-1/2" /38.1mm		MHC-G
Hub, Impeller	Material: Hardened Steel Hub Mount: Flanged Pump Drive Style: Flats	Assembled Height 1.446"/36.7mm Height 1.790"/45.5mm Journal Dia.: 1.500"/38.1mm Flange Dia.: 3.690"/93.7mm		TH-1-46FLG
Bearing	Material: Hardened Steel Bearing Style: Enclosed	O.D. 2.892"/73.5mm I.D. 2.086"/53.0mm Thick. 0.181"/4.6mm		TW-2-22
Stator Cap	Material: Steel Outer Notch Count: 9	O.D. 3.665"/93.1mm I.D. 1.660"/42.2mm Thick. 0.220"/5.6mm		TW-4-21
Stator Cap	Material: Steel Outer Notch Count: 9	O.D. 3.640"/92.5mm I.D. 1.660"/42.2mm Thick. 0.220"/5.6mm		TW-4-20
Bearing	Material: Hardened Steel Enclosed	O.D. 2.666"/67.7mm I.D. 1.946"/49.4mm Thick. 0.180"/4.6mm Flange Dia.: 2.750"/69.9mm		TW-2-18
Rivet	Rivet Type: Tubular Rivet Head: Flat 8 Required	Length: 0.500"/12.7mm Shank Dia.: 0.250"/6.35mm Head Dia.:0.500"/12.7mm		TX-12-2
Turbine Hub	Material: Hardened Steel 22 Internal Teeth			TX-13-42HT
O-Ring	Material: Fluorocarbon	I.D. 2.239"/56.9mm Cross Section 0.070"/1.8mm		TO-25-19
Metal Clad Seal	Material: Fluorocarbon	Housing Bore: 0.776"/19.7mm Shaft Dia.: 0.501"/12.7mm		TO-25-8
Rivet	Rivet Type: Solid Rivet Head: Flat 10 Required	Length 0.344"/8.7mm Shank Dia.: 0.165"/4.2mm Head Dia.: 0.325"/8.3mm		TX-12-7

CHRYSLER 62TE, continued

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Piston Plate	Material: Steel Machining Proces Fully Machined Forging Surface Finish Bond			TX-23-34
Lining	Material: Kevlar® Grooved	O.D. 10.000"/254mm I.D. 8.750"/222.3mm Thick. 0.045"/1.1mm		TX-23-17MK
Lining	Material: Kevlar® Grooved	O.D. 10.000"/254mm I.D. 8.750"/222.3mm Thick. 0.070"/1.8mm		TX-23-17X70MK
Lining	Material: High Carbon Grooved	O.D. 10.000"/254mm I.D. 8.750"/222.3mm Thick. 0.045"/1.1mm		TX-23-17MHC
Lining	Material: High Carbon Grooved	O.D. 10.000"/254mm I.D. 8.750"/222.3mm Thick. 0.070"/1.8mm		TX-23-17X70MHC*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
Turbine Washer	Material: Fiber	O.D. 2.360"/59.9mm I.D. 1.080"/27.4mm Thick. 0.136"/3.5mm		TW-9-15
Turbine Washer	Material: Bronze	O.D. 2.360"/59.9mm I.D. 1.075"/27.3mm Thick. 0.138"/3.5mm		TW-9-15B
Turbine Washer	Material: Phenolic Late Style	O.D. 2.354"/59.8mm I.D. 1.075"/27.3mm Thick. 0.135"/3.4mm		TW-9-30
Bushing	Material: Steel - backed alloy Bushing Style: Precision	Width 0.413"/10.5mm Housing Bore 1.294"/32.9mm Shaft Dia.: 1.064"/27.0mm		TB-18-13
Bushing	Material: Steel- backed alloy Bushing Style: Finish -in-Place	Width 0.413"/10.5mm Housing Bore 1.294"/32.9mm Shaft Dia.: 1.064"/27.0mm		TB-18-14

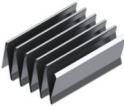
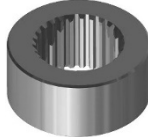
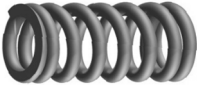
CHRYSLER 68RFE

6.7L CUMMINS DIESEL

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Yellow	For Hub Dia. 1.875" /47.6mm		MHC-Y
O-Ring	Material: Fluorocarbon	I.D. 1.612"/40.9mm Cross Section 0.103"/2.6mm		TO-25-15
Hub, Impeller	Material: Chromoly Flanged, 4 flats, Seal Groove.	O.D. 1.875"/47.6mm Flange O.D.: 4.15"/105.4mm Height 2.78"/70.6mm		TH-1-44FLG
Bearing	Impeller side. Enclosed.	O.D. 3.28"/83.3mm I.D. 2.39"/60.7mm Thick. 0.26"/6.6mm		SW-2-12
Stator	Material: Aluminum	Low stall		SX-5-11
Spring Retainer	Material: Steel	Size 3.120" x 3.120"/79.2mm Height 0.530"/13.5mm		SX-15B
Shim	Spring Retainer. Material: Steel.	O.D. 3.600"/91.4mm I.D. 2.350"/59.7mm Thick. 0.010"/0.254mm		SW-2-44
Shim	Conversion Spacer. Material: Steel	O.D. 3.600"/91.4mm I.D. 2.350"/59.7mm Thick. 0.039"/1.0mm		SW-2-45*
Cam	Outer Race	O.D. 3.636"/92.4mm Length 0.587"/14.9mm		SX-15A*

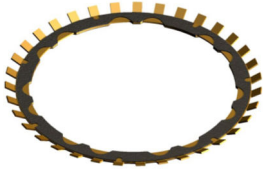
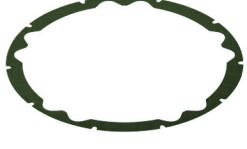
* - Conversion for Chrysler 310mm LU A618, GM 400, AT-540 & Buick 350

CHRYSLER 68RFE, continued
6.7L CUMMINS DIESEL

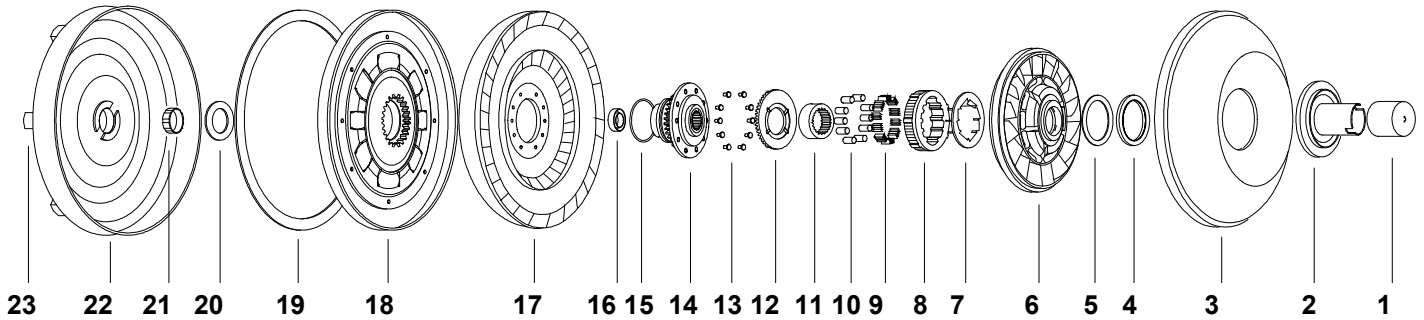
	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Accordion Spring	5 Fold 10 required	Width 0.560" /14.2mm Height 0.240" / 6.1mm		SS-6-6
Roller	10 required	Dia. 0.312"/7.9mm Length 0.560" /14.2mm		SR-7
Inner Race	27 Spline	O.D. 2.156"/54.8mm Height 1.040"/26.4mm		SX-14
Bearing Adapter	Material: Aluminum, for SW-2-12 Bearing	O.D. 3.750"/95.3mm I.D. 1.710"/43.4mm Thick. 0.470"/11.9mm		WW-4-8
Stator Cap	Phenolic, 5Lug Design (Alternate SW-4-19 w/o Lugs, SW-4-19B w/Lugs and TW-3-3 Bronze Washer)	O.D. 3.748"/95.2mm I.D. 1.870" /47.5mm Thick. 0.490"/12.4mm		SW-4-19A
Rivet	Damper. Rivet Type: Standoff 8 Required	Length: 1.050"/26.7mm Shank Dia.: 0.298"/7.6mm Head Dia.: 0.413"/10.5mm		TX-12-8
Rivet	Turbine Hub. Rivet Type: Solid Rivet Head: Flat 20 Required	Length 0.515"/13.1mm Shank Dia.: 0.225"/5.7mm Head Dia.: 0.344"/8.7mm		TX-12-9
Turbine Hub	Material: Steel, Heat Treated	27 Internal Spline		TX-13-43HT
Spring	Damper, Inner 8 required	O.D.: 0.556"/14.1mm Free Length: 2.018"/51.3mm Wire 0.103"/2.6mm		TX-24-12
Spring	Damper, Outer 8 required	O.D.: 0.886"/22.5mm Free Length: 2.040"/51.8mm Wire Dia.: 0.154" Dia./3.9mm		TX-24-13

CHRYSLER 68RFE, continued

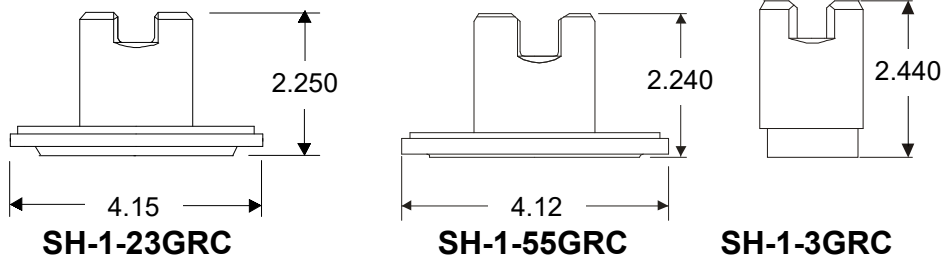
6.7L CUMMINS DIESEL

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Rivet	Damper. Rivet Type: Solid Rivet Head: Flat 8 Required	Length 0.370"/9.4mm Shank Dia.: 0.240"/6.1mm Head Dia.: 0.340"/8.6mm		TX-12-10
Bolt	Bolt Head: Hex 9 Required	Bolt Spec M8 -1.0 x 16mm		TX-10-8
Clutch Plate	35 External Bent Teeth. Material: Steel Core & 2 OE Design Linings	O.D. 12.598"/320.0mm I.D. 10.157"/258.0mm Thick. 0.169"/4.3mm		TX-24-11
Lining	Material: KEVLAR® 2 Required	O.D. 11.654"/296.0mm I.D. 10.157"/258.0mm Thick. .045"/1.1mm		TX-23-26K**
Clutch Plate	35 External Bent Teeth. Material: Steel Core & 2 OE Design Linings, Late Style	O.D. 12.598"/320.0mm I.D. 10.075"/256.0mm Thick. 0.158"/4.0mm		TX-24-15
Lining	Material: KEVLAR® 2 Required	O.D. 11.655"/296.0mm I.D. 10.095"/256.0mm Thick. .045"/1.1mm		TX-23-27K**
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
Ball Bearing	Front Cover Hub	O.D. 2.047"/52.0mm I.D. 1.575"/40.0mm Thick. 0.276"/7.0mm		TW-9-24
Metal Clad Seal	Front Cover Hub. Material: Fluorocarbon	Housing Bore 1.063"/27.0mm Shaft Dia.: 0.785"/20.0mm Thick.: .187"/4.7mm		TO-25-1
O-Ring	Front Cover Hub. Material: Fluorocarbon Color: Black	I.D. 3.150"/80.0mm Thick. 0.098"/2.5mm		TO-25-22
Front Cover	Material: Steel Fully Machined Forging			TX-22-10

CHRYSLER 310mm LOCKUP, 47RH, 48RE, A618

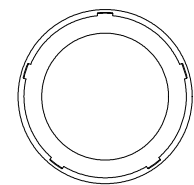


ILL. # 2 IMPELLER HUBS, 1.875" DIA.



Suffix Code: No Suffix-Unfinished,
"G"- Finish Ground, "RC" - Hardness Rc 32-36

ILL. #4 BEARING



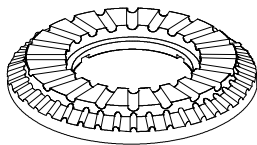
SW-2-12

O.D. 3.28"
I.D. 2.39"
Thick. .25"

ILL. #12

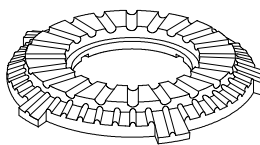
STATOR CAPS AND BEARING ADAPTER

O.D. 3.74"
I.D. 1.71"
Thick. .49"



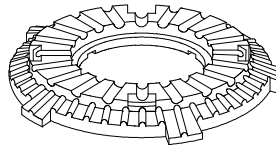
SW-4-19
OE Design

O.D. 3.74"
I.D. 1.71"
Thick. .49"



SW-4-19A
5 Lug Design

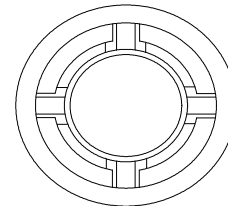
O.D. 3.74"
I.D. 1.71"
Thick. .43"



SW-4-19B
Use w/ TW-3-3 Washer

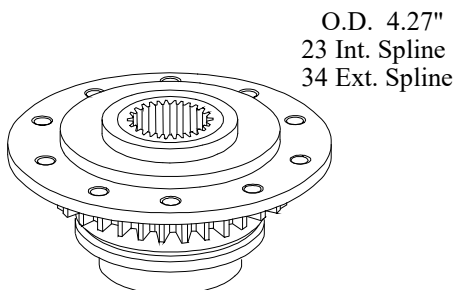
Alternate

O.D. 3.75"
I.D. 1.70"
Thick. .47"



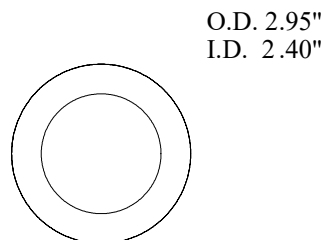
WW-4-8
Use w/ SW-2-12 Bearing

ILL. #14 TURBINE HUB



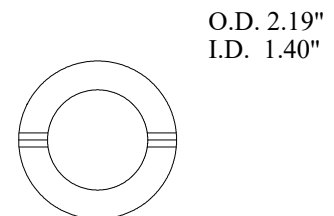
SX-13-14HT

ILL. #5 SHIM



SW-2-210 Thick. .01"
SW-2-220 Thick. .02"
SW-2-230 Thick. .03"

ILL. #20 TURBINE WASHER



SW-9-16 Vespel®, .06" Thick
SW-9-16B Bronze, .06" Thick

CHRYSLER 310mm LOCKUP, 47RH, 48RE, A618

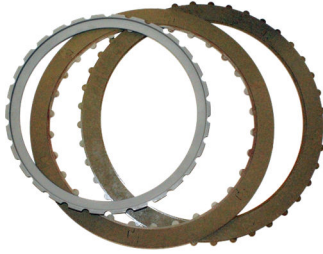
ILL.		DESCRIPTION	QTY.	PART #
1	Hubcap®	Yellow , For 1-7/8" Dia. Hubs		MHC-Y
2	Hub, Impeller	Flanged, 47 RH Flanged, 48 RE Thru Mount Replacement, A618, 47R4		SH-1-23GRC SH-1-55GRC SH-1-3GRC
3	Impeller			
4	Bearing	Enclosed		SW-2-12
5	Shim	Use Under SW-2-12 , .010" Thick .020" Thick .030" Thick		SW-2-210 SW-2-220 SW-2-230
6	Stator			
7	Retainer, Spring			SX-15B
8	Cam	Stator		SX-15A
9	Spring, Accordion	.560" Wide, .22" High	10	SS-6
10	Roller	.312" Dia. Roller, .57" Long	10	SR-7
11	Race, Inner	2.156" O.D., 1.04" Thick, 27 Spline		SX-14
12	Cap, Stator	Phenolic, 252-10174, OE Design Phenolic, 5 Lug Design Phenolic, 252-10097, Use With TW-3-3 Washer		SW-4-19 SW-4-19A SW-4-19B
	Adapter, Bearing	Alternate, Aluminum, Use With Bearing SW-2-12		WW-4-8
13	Rivet	.214" Shank Dia., .385" Long. Tubular	10	FX-12L
14	Turbine Hub	23 Int., 34 Ext. Spline		SX-13-14HT
15	O-Ring	Fluorocarbon, 2.050" I.D., .103" Thick Oversized, 2.05" I.D., 0.108" Thick		SO-23-33 SO-23-33X
16	Seal, Metal Clad	20.0mm I.D., 27.0mm O.D.		TO-25-1
17	Turbine			
18	Lockup Clutch			SX-23-34
N.I.	Insert, Flanged	Weld In To Repair Clutch O-Ring Bore Billet Cover & 3 Clutch Plates, Kit 3 Clutch Plates, Kit		SX-23-34FLG* SX-22-24K** SX-22-25K**
19	Lining	12-5/8" O.D., 10-11/16" I.D., .045" Thick 12-1/2" O.D., 10-3/4" I.D., .045" Thick		SX-23-35K* SX-23-49K*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
20	Washer, Turbine	Vespel®, 2.19" O.D., 1.40" I.D., .06" Thick Bronze, 2.19" O.D., 1.40" I.D., .06" Thick		SW-9-16 SW-9-16B
21	Bushing, Cover	1.368" I.D., 1.615" O.D., .503" High		TB-18-4
22	Cover, Front	Billet, Diesel		WX-22-1
23	Boss, Mounting	3/8-24	6	
N.I.	Bolt	Hex Head, 3/8-24	6	

*** Tech Info:** Bore Clutch Plate To 2.600" Dia. Install, Using Turbine Hub + O-Ring To Center Insert.
Clamp Securely While Welding.

**** - See Next Page For Details**

CHRYSLER 310mm LOCKUP, 47RH, 48RE, A618

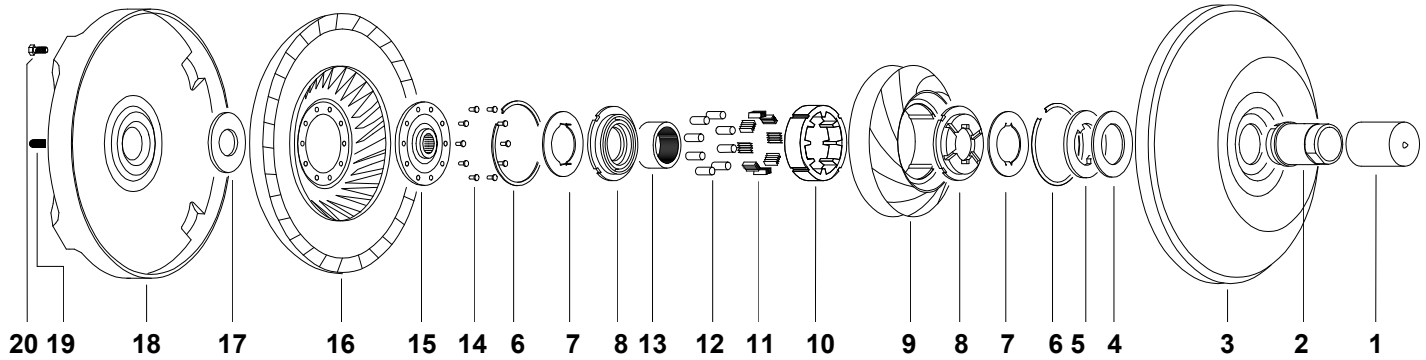
**** - cover and clutch plates kits**

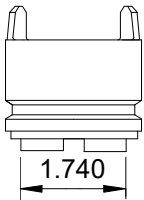
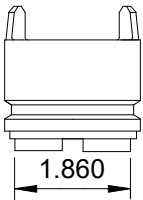
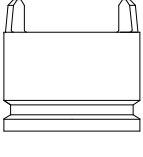
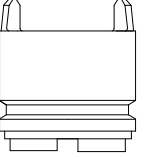
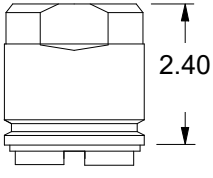
ILL.	DESCRIPTION	QTY.	PART #
	Billet Cover & 3 Clutch Plates, Kit	Unbonded	SX-22-24K
	Billet Cover & 3 Clutch Plates, Kit	Bonded, Kevlar	SX-22-24KK
	Billet Cover & 3 Clutch Plates, Kit	Bonded, High Carbon	SX-22-24KHC
			
	3 Clutch Plates, Kit	Unbonded	SX-22-25K
	3 Clutch Plates, Kit	Bonded, Kevlar	SX-22-25KK
	3 Clutch Plates, Kit	Bonded, High Carbon	SX-22-25KHC
			

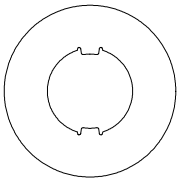
FORD

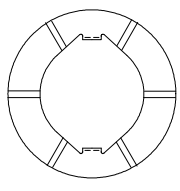
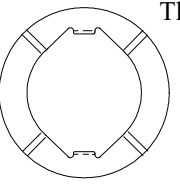
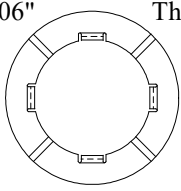
FORD CAST IRON

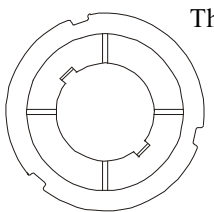
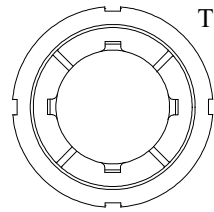
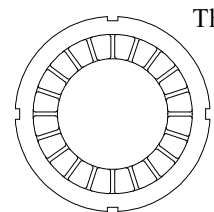
3 Speed, FMX, AMC, Borg & Beck



ILL. #2 IMPELLER HUBS, 1.937" DIA.					1.996" DIA.
					
1.740	1.860	1.81	1.99	2.05	2.40
FH-1MG	FH-1-1MG	FH-1MTG	FH-1LMG	FH-1MTAG	FH-1-5FG, 1.687" I.D. FH-1-6FG, 1.750" I.D.
Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC" - Hardness Rc 32-36					

ILL. #5	STEEL WASHERS		
	O.D.	I.D.	Thick.
FW-2	3.00"	1.75"	.09"
FW-2-1	3.13"	1.87"	.09"
FW-2-1A	3.13"	1.87"	.11"

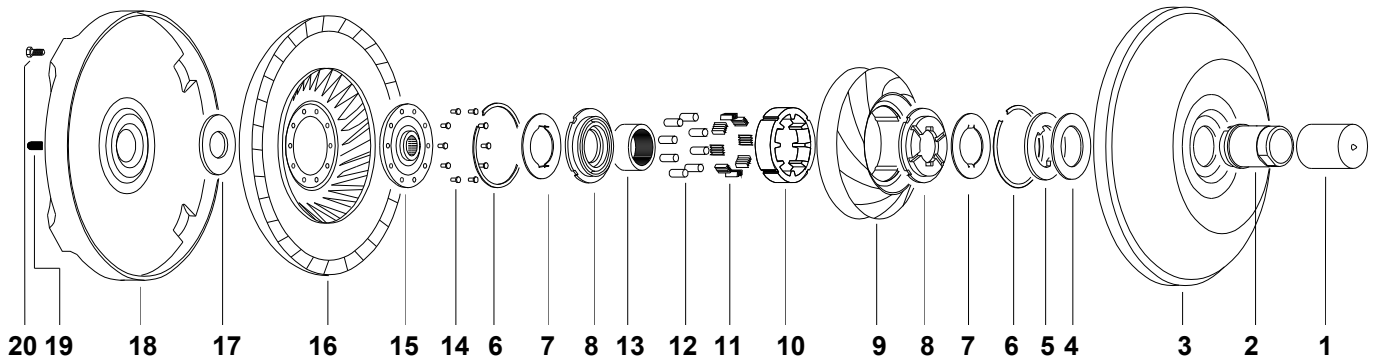
ILL. #7	BRONZE WASHERS		
			
O.D. 2.91" I.D. 1.80"	O.D. 2.95" I.D. 1.99" Thick. .06"	O.D. 2.95" I.D. 1.99" Thick. .06"	
FW-3, .08" Thick	FW-3-1	FW-3-2	
FW-3DW, .06" Thick	FW-3-1A		

ILL. #8	STATOR CAPS		
			
O.D. 3.60" I.D. 1.81" Thick. .71"	O.D. 3.60" I.D. 2.00" Thick. .52"	O.D. 3.60" I.D. 2.00" Thick. .59"	
FW-4	FW-4-3A	FW-4-3P	

FORD CAST IRON *Continued*
3 Speed, FMX, AMC, Borg & Beck

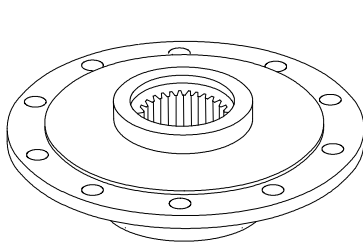
ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Yellow, For 1.94" Dia. Hubs Red™, For 2" Dia. Hubs		MHC-Y MHC-R
2	Hub, Impeller	1.89" High, Early, 1.740" Pilot Dia. 1.89" High, Late, 1.860" Pilot Dia. 1.94" High 1.99" High 2.05" High 1.996" Dia., 2.395" High, 1.687" I.D., FMX 1.996" Dia., 2.395" High, 1.750" I.D., FMX		FH-1MG FH-1-1MG FH-1MTG FH-1LMG FH-1MTAG FH-1-5FG FH-1-6FG
3	Impeller			
4	Shim, Selective	.010" Thick .020" Thick .030" Thick		MW-2-10 MW-2-20 MW-2-30
5	Washer, Steel	3 Speed '56-'62, B&B Standard, .09" Thick Oversize, .11" Thick		FW-2 FW-2-1 FW-2-1A
6	Ring, Snap	3.600" I.D. 3.785" I.D.	2 2	FX-20-11 FX-20-12
7	Washer, Bronze	3 Speed, '51-'62, B&B, .060" Thick 3 Speed, '51-'62, B&B, .080" Thick FMX, 2 Tangs .190" Long FMX, 2 Tangs .250" Long 4 Tangs	2 2 2 2	FW-3DW FW-3 FW-3-1 FW-3-1A FW-3-2
8	Cap, Stator	3.60" O.D., .73" Thick, Aluminum 3.60" O.D., .52" Thick, Aluminum 3.60" O.D., .59" Thick, Phenolic	2 2 2	FW-4 FW-4-3A FW-4-3P
9	Stator	Roller Type Sprag Type		FX-5 FX-5E
10	Race, Outer	3.60" O.D., Sprag Type 3.80" O.D., Roller Type		FX-15 FX-15-2
11	Spring, Accordion	.930" Wide	8	FS-6-2
12	Roller	5/16" Dia., .900" Long	8	FR-7
N.I.	Sprag	Standard Duty, 14 Cams Heavy Duty, 20 Cams		FC-6 FC-6-1
13	Race, Inner	29 Spline, 2.156" O.D., 1.360" High, (For Sprag) 32 Spline, 2.375" O.D., .985" High, (For Rollers), FMX 29 Spline, 2.375" O.D., 1.360" High, (For Rollers)		FX-14 FX-14-1 FX-14-3

FORD CAST IRON *Continued* **3 Speed, FMX, AMC, Borg & Beck**



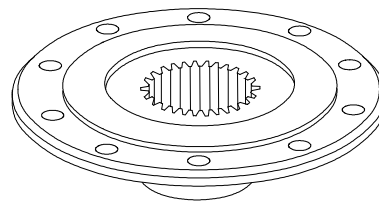
ILL. #15

TURBINE HUBS



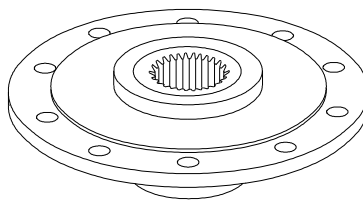
O.D. 3.85"
31 Spline

FX-13



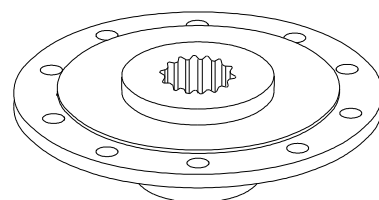
O.D. 3.84"
29 Spline

FX-13-3/S



O.D. 3.80"
29 Spline

FX-13-7



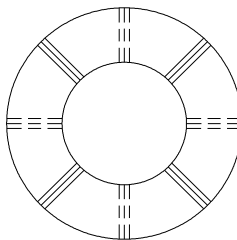
O.D. 3.80"
17 Spline

FX-13-8

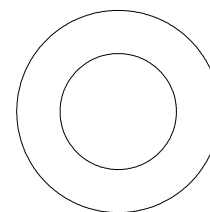
ILL. #17

TURBINE WASHERS

O.D. 2.75"
I.D. 1.33"



FW-9-4T	.045" Thick
FW-9-4A	.062" Thick
FW-9-4B	.070" Thick
FW-9-4C	.079" Thick
FW-9-4D	.087" Thick
FW-9-4E	.096" Thick
FW-9-4F	.106" Thick
CW-9-3B	.156" Thick
FW-9-4G	.188" Thick



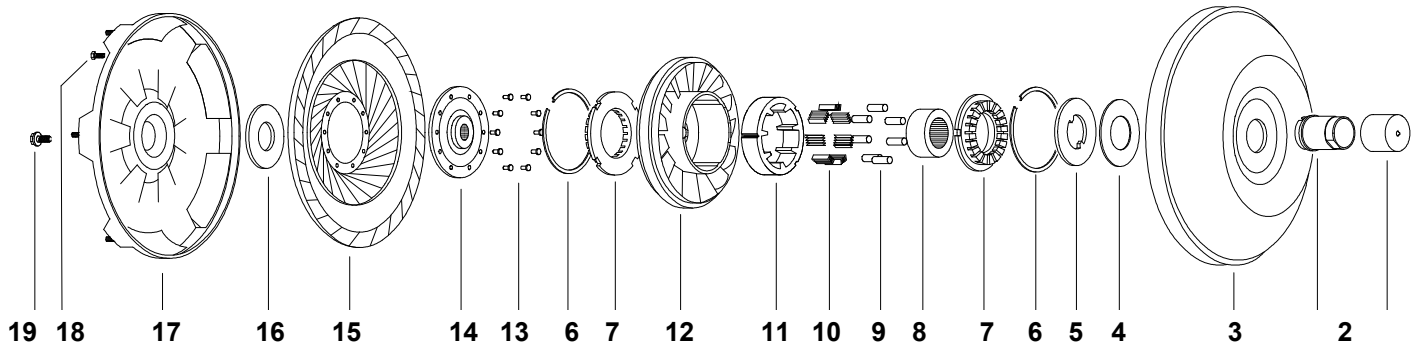
.062" Thick

	O.D.	I.D.
FW-9	2.43"	1.26"
FW-9-1	2.50"	1.32"

FORD CAST IRON Continued
3 Speed, FMX, AMC, Borg & Beck

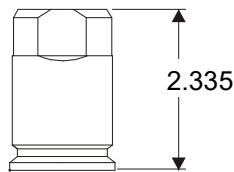
ILL#		DESCRIPTION	QTY.	PART #
14	Rivet	.310" Long, Tubular	10	FX-12
		.385" Long, Tubular	10	FX-12L
15	Turbine Hub, Steel	31 Spline, Lincoln, '58-'65, C2VP-7926A, B8SZ-7926B		FX-13
		29 Spline, High Type, FMX, C5TP-7926B		FX-13-3/S
		29 Spline, Low Type, With Shoulder		FX-13-7
		17 Spline, C2AP-7926C, PAZ-7926B		FX-13-8
16	Turbine			
17	Washer, Turbine	'52-'62, 3 Speed, B&B, Fibre .062" Thick		FW-9
		'58-'65 Lincoln, Fibre .062" Thick		FW-9-1
		.045" Thick		FW-9-4T
		.062" Thick		FW-9-4A
		.070" Thick		FW-9-4B
		.079" Thick		FW-9-4C
		.087" Thick		FW-9-4D
		.096" Thick		FW-9-4E
		.106" Thick		FW-9-4F
		.156" Thick		CW-9-3B
		.188" Thick		FW-9-4G
		<i>Add Suffix "F" For Fibre</i>		
N.I.	Salvage Ring™	Coresaver™, .375" Wide		FX-21-1005
		Coresaver™, .250" Wide		FX-21-1005NR
18	Cover, Front			
19	Stud	'58-'62, Thin Head Type And B&B (Use FX-10-4)	4	FX-10-2
		'63 & Up, Thick Head Type	4	FX-10-3
20	Plug, Drain	1/8 NPT		FX-11
		1/8 NPT, PTFE Wrap		FX-11A
N.I.	Studcap™		4	MHC-STD
N.I.	Sleeve, Pilot Adapter	From 1.515" To 1.848"		FX-17
		From 1.624" To 1.848", Rambler		FX-17-1
		From 1.375" To 1.848"		FX-17-6
N.I.	Pilot	FMX, Cup Type, 1.375" Dia., .375" Long		FX-17-3
N.I.	Pilot	B & B, Rambler, 3/4" Dia., Unfinished		WX-17-19X

FORD C3, 10-1/4"

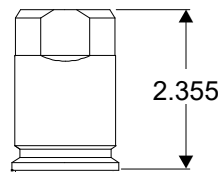


ILL. #2

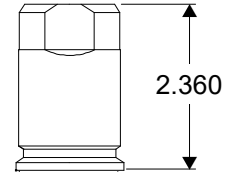
IMPELLER HUBS, 1.610" DIA.



FH-1-CB30G



FH-1-30FG



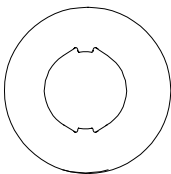
FH-1-31FG

Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC" - Hardness Rc 32-36

ILL. #5 & #7

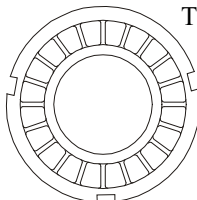
WASHERS

O.D. 2.95"
I.D. 1.47"



FW-2-30
Steel

O.D. 3.34"
I.D. 1.70"
Thick. .59"

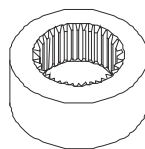


FW-4-2P

ILL. #8

INNER RACE

O.D. 2.10"
Height .98"
30 Spline

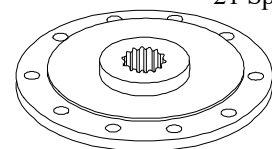


FX-14-30

ILL. #14

TURBINE HUB

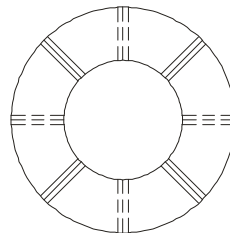
O.D. 3.85"
21 Spline



FX-13-30HT

ILL. #16

TURBINE WASHERS



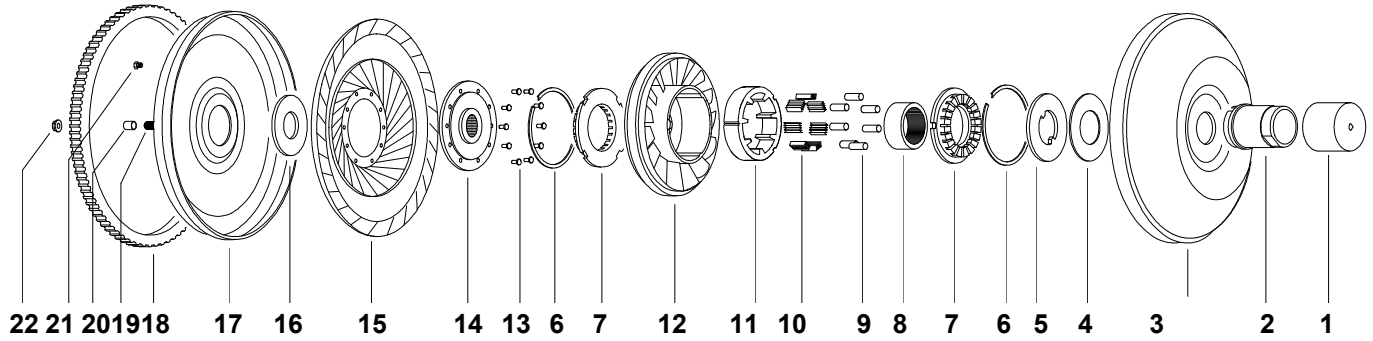
O.D. 2.75"
I.D. 1.33"

Part #	FW-9-4T	FW-9-4A	FW-9-4B	FW-9-4C	FW-9-4D	FW-9-4E	FW-9-4F	CW-9-3B	FW-9-4G
Thickness	.045	.062	.070	.079	.087	.096	.106	.156	.188

FORD C3, 10-1/4"

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Black, For 1-5/8" Dia. Hub		MHC-B
2	Hub, Impeller Thru Mount, 2.36" High		FH-1-30FG
	Thru Mount, 2.39" High		FH-1-31FG
	Butt Mount, 2.34" High		FH-1-CB30G
3	Impeller		
4	Shim, Selective .010" Thick		TW-2X10
	.020" Thick		TW-2X
	.030" Thick		TW-2X30
5	Washer, Steel		FW-2-30
6	Ring, Snap	2	FX-20-10
7	Cap, Stator 3.375" O.D., Phenolic	2	FW-4-2P
8	Race, Inner 30 Spline, 2.10" O.D., .984" High		FX-14-30
9	Roller 5/16" Dia., .900" Long	7	FR-7
10	Spring, Accordion .930" Wide	7	FS-6-2
11	Cam		FX-15-3
12	Stator		
13	Rivet .385" Long , Tubular	10	FX-12L
14	Turbine Hub, Steel 21 Spline		FX-13-30HT
15	Turbine 10 1/4" Dia.		
16	Washer, Turbine .045" Thick		FW-9-4T
	.062" Thick		FW-9-4A
	.070" Thick		FW-9-4B
	.079" Thick		FW-9-4C
	.087" Thick		FW-9-4D
	.096" Thick		FW-9-4E
	.106" Thick		FW-9-4F
	.156" Thick		CW-9-3B
	.188" Thick		FW-9-4G
	<i>Add Suffix "F" For Fibre</i>		
N.I.	Salvage Ring™ Coresaver™		Inquire
17	Cover, Front		
18	Plug, Drain 1/8 NPT		FX-11
	1/8 NPT, PTFE Wrap		FX-11A
N.I.	Pad, Mounting Threaded M10 x 1.00 (Fine)		FX-10-30
	Threaded M10 x 1.50 (Coarse)		FX-10-31
19	Bolt Threaded M10 x 1.00 (Fine)		FX-10-100
	Threaded M10 x 1.50 (Coarse)		FX-10-150
N.I.	Pilot Unfinished, 7/8" O.D., .88" Long		FX-17-30
	Sleeve, Convert To Fairmont, 1.38" O.D., 1.25" I.D.		FX-17-31

FORD C4, 10-1/4", 2 speed With & Without Ring Gear



ILL. #2 IMPELLER HUBS, 1.996" DIA.			
Butt Type		Thru Mount	
	2.375		2.520
	2.562		2.685
FH-1-CB4G 1.750" I.D.	FH-1-CB8G 1.750" I.D.	FH-1-4FG 1.750" I.D.	FH-1-8FG 1.750" I.D.
FH-1-CB9G 1.687" I.D.	FH-1-CB10G 1.687" I.D.	FH-1-9FG 1.687" I.D.	FH-1-10FG 1.687" I.D.
Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC" - Hardness Rc 32-36			

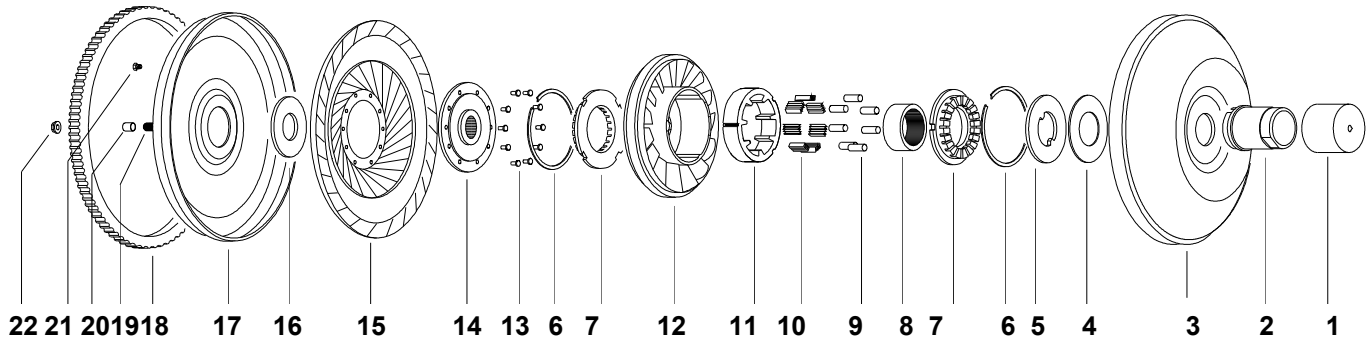
ILL. #5 STEEL WASHER	N.I. BRONZE WASHERS
 O.D. 3.12" I.D. 1.87" FW-2-1 .09" Thick FW-2-1A .11" Thick	 O.D. 2.95" I.D. 1.99" Thick. .06" FW-3-1 FW-3-1A
	 FW-3-2

ILL. #7 STATOR CAPS & BEARING ADAPTER		
 O.D. 3.34" I.D. 1.70" Thick. .52" FW-4-2A	 O.D. 3.34" I.D. 1.70" Thick. .59" FW-4-2P	 O.D. 3.34" I.D. 1.70" High. .56" FW-4-17

***FORD C4, 10-1/4", 2 speed, Continued
With & Without Ring Gear***

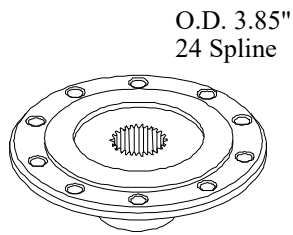
ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Red, For 2" Dia. Hubs		MHC-R
2	Hub, Impeller	2" Dia., 2.375" Long, 1.750" I.D. 2" Dia., 2.375" Long, 1.687" I.D. 2" Dia., 2.562" Long, 1.750" I.D. 2" Dia., 2.562" Long, 1.687" I.D. 2" Dia., 2.520" Long, 1.750" I.D. 2" Dia., 2.520" Long, 1.687" I.D. 2" Dia., 2.685" Long, 1.750" I.D. 2" Dia., 2.685" Long, 1.687" I.D. 2" Dia., 1.69" I.D., 2.385" Long, Thru Mount for 2 speed 2" Dia., 1.69" I.D., 2.385" Long, Thru Mount for 2 speed		FH-1-CB4G FH-1-CB9G FH-1-CB8G FH-1-CB10G FH-1-4FG FH-1-9FG FH-1-8FG FH-1-10FG FH-1-2EG FH-1-2FG
N.I.	Ring, Adapter	<u>Convert To C-3 Hub</u>		FX-1-32
3	Impeller Kit, Impeller Vane			FX-21-10K
4	Shim, Selective	.010" Thick .020" Thick .030" Thick		MW-2-10 MW-2-20 MW-2-30
5	Washer, Steel	Standard, .09" Thick Oversize, .11" Thick		FW-2-1 FW-2-1A
6	Ring, Snap		2	FX-20-10
N.I.	Washer, Bronze	2 Tangs, .190" Long Tangs 2 Tangs, .250" Long Tangs 4 Tangs	2 2 2	FW-3-1 FW-3-1A FW-3-2
7	Cap, Stator	3.34" O.D., Phenolic (D5ZP-7937AA, C8DP-7837A) 3.34" O.D., Aluminum	2 2	FW-4-2P FW-4-2A
	Bearing Adapter	3.34" O.D., Phenolic, Use w/Bearing SW-2-12		FW-4-17
8	Race, Inner	32 Spline, 2.10" O.D., .984" High High Performance, Chrysler & GM Spline		FX-14-2 FX-14CA
9	Roller	5/16" Dia., .900" Long	7	FR-7
10	Spring, Accordion	.930" Wide	7	FS-6-2
11	Cam	3.360" O.D.		FX-15-3
12	Stator			

FORD C4, 10-1/4", 2 speed, Continued **With & Without Ring Gear**

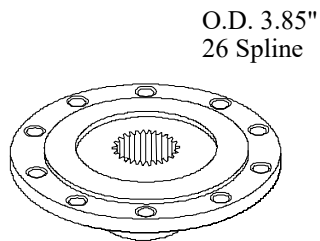


ILL. #14

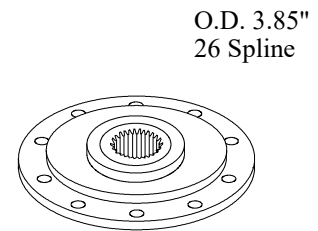
TURBINE HUBS



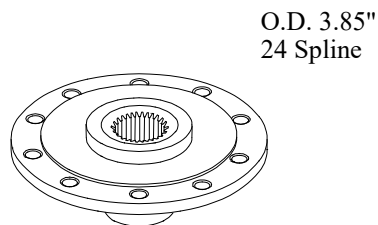
FX-13-1S



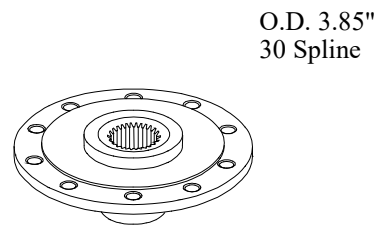
FX-13-4/4S



FX-13-6HT



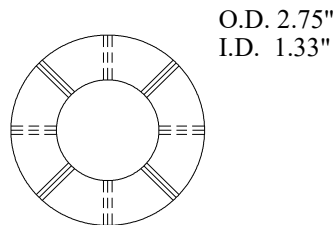
FX-13C



FX-13GMHT

ILL. #16

TURBINE WASHERS

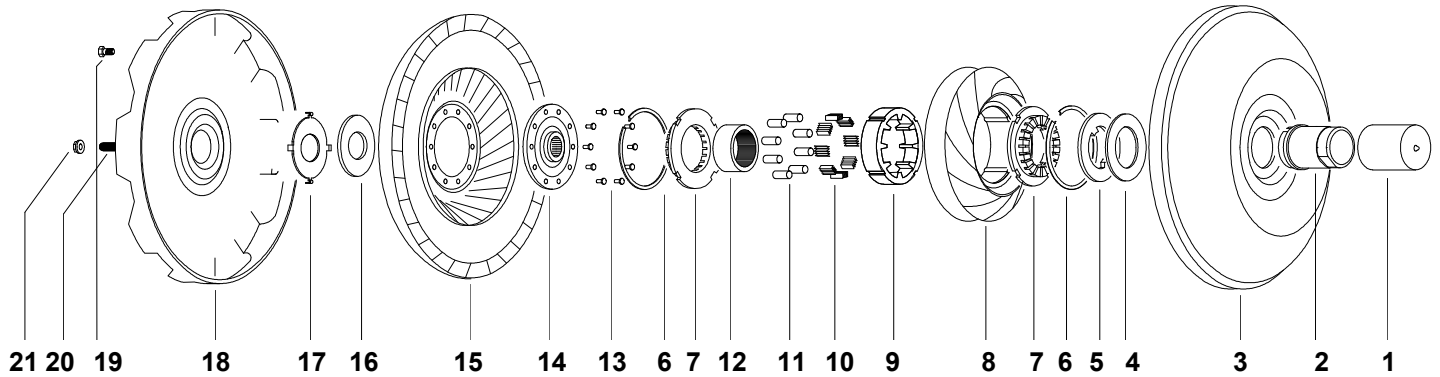


Part #	FW-9-4T	FW-9-4A	FW-9-4B	FW-9-4C	FW-9-4D	FW-9-4E	FW-9-4F	CW-9-3B	FW-9-4G
Thickness	.045	.062	.070	.079	.087	.096	.106	.156	.188

***FORD C4, 10-1/4", 2 speed, Continued
With & Without Ring Gear***

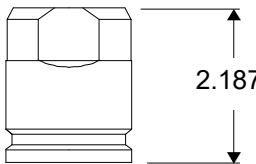
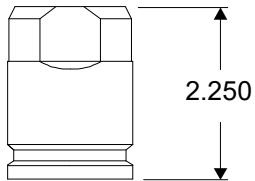
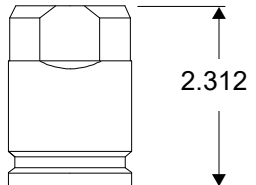
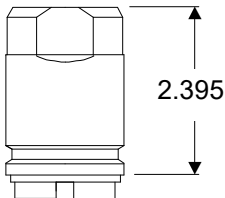
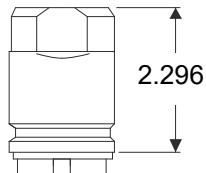
ILL.#		DESCRIPTION	QTY.	PART #
13	Rivet	.310" Long, Tubular	10	FX-12
		.385" Long, Tubular	10	FX-12L
14	Turbine Hub	24 Spline, Steel, For '64-'69 Early		FX-13-1S
		26 Spline, OE Material, For C-4 W/Ring Gear		FX-13-4
		26 Spline, Steel, For C-4 W/Ring Gear		FX-13-4S
		26 Spline, Pinto, For C-4 Without Ring Gear		FX-13-6HT
		24 Spline, High Performance, Chrysler		FX-13C
		30 Spline, High Performance, GM		FX-13GMHT
		31 Spline, C4DP-7926A, 2 Speed		FX-13-9
15	Turbine	10 1/4" Dia.		
16	Washer, Turbine	2.75" O.D., 1.33" I.D., .045" Thick		FW-9-4T
		.062" Thick		FW-9-4A
		.070" Thick		FW-9-4B
		.079" Thick		FW-9-4C
		.087" Thick		FW-9-4D
		.096" Thick		FW-9-4E
		.106" Thick		FW-9-4F
		.156" Thick		CW-9-3B
		.188" Thick		FW-9-4G
		<i>Add Suffix "F" For Fibre</i>		
N.I.	Salvage Ring™	Coresaver™		Inquire
17	Cover, Front			
18	Ring Gear	132 Teeth		RG-132
19	Stud		4	FX-10-4
20	Studcap™		4	MHC-STD
21	Plug, Drain	1/8" NPT		FX-11
		1/8" NPT, PTFE Wrap		FX-11A
22	Nut	3/8-24	4	FX-10-7
N.I.	Pilot	Pinto, 7/8" O.D., .88" Long		FX-17-30
		Taunus, Capri, .77" O.D., 1.50" Long		FX-17-5

FORD C4, C6, 12", C4 11-1/4", 2 SPEED

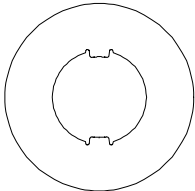


ILL. #2

IMPELLER HUBS, 1.996" DIA.

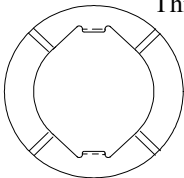
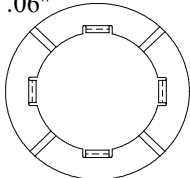
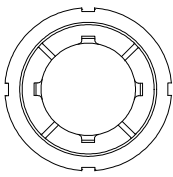
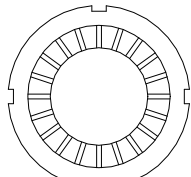
Butt Mount, C-4, C-6, FMX	Butt Mount, C-4 11-1/4"	12" Butt Mount, C-4, C-6
 FH-1-CB3G, 1.75" I.D. FH-1-CB11G, 1.69" I.D.	 FH-1-CB14G, 1.75" I.D. FH-1-CB16G, 1.69" I.D.	 FH-1-CB6G, 1.75" I.D. FH-1-CB5G, 1.69" I.D.
Thru Mount, C4, C6		Thru Mount, C4, 11-1/4"
 FH-1-6FG, 1.75" I.D. FH-1-5FG, 1.69" I.D.		 FH-1-3FG, 1.75" I.D. FH-1-11FG, 1.69" I.D.
Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC" - Hardness Rc 32-36		

ILL. #5 STEEL WASHERS

 O.D. 3.08" I.D. 1.87" FW-2-1, .09" Thick. FW-2-1A, .11" Thick.
--

ILL. #7

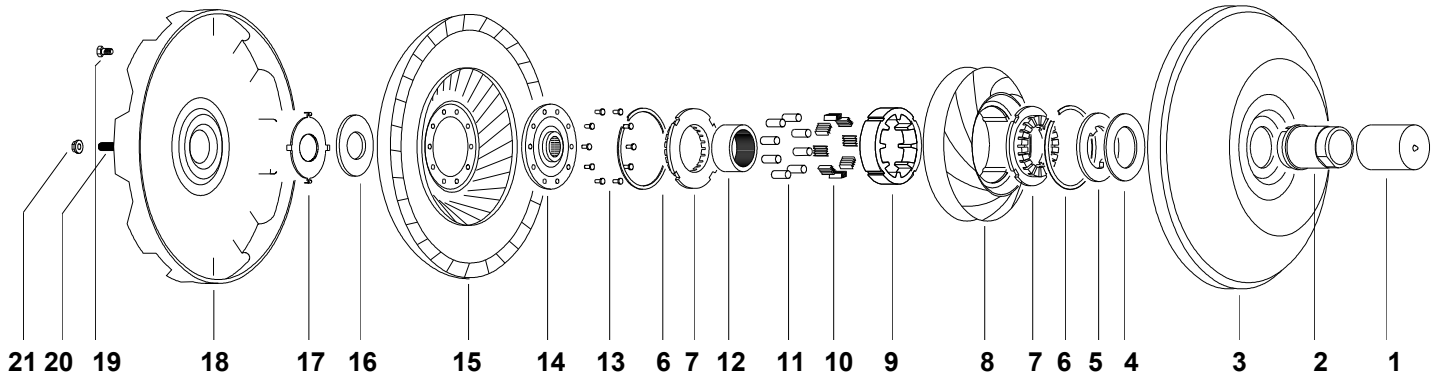
BRONZE WASHERS & STATOR CAPS

 O.D. 2.95" I.D. 1.99" Thick. .06" FW-3-1 FW-3-1/1A	 FW-3-2	 I.D. 2.02" Thick. .52" FW-4-3A 3.60" O.D. FW-4-4A 3.80" O.D.	 I.D. 2.00" Thick. .59" FW-4-3P FW-4-4P
--	--	--	--

FORD C4, C6, 12", C4 11-1/4", 2 SPEED, Continued

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Red, For 2" Dia. Hubs		MHC-R
2	Hub, Impeller	2" Dia., 1.75"I.D., 2.187" Long, Butt Mount		FH-1-CB3G
		2" Dia., 1.69"I.D., 2.187" Long, Butt Mount		FH-1-CB11G
		2" Dia., 1.75"I.D., 2.250" Long, Butt Mount		FH-1-CB14G
		2" Dia., 1.69"I.D., 2.250" Long, Butt Mount		FH-1-CB16G
		2" Dia., 1.69"I.D., 2.312" Long, Butt Mount		FH-1-CB5G
		2" Dia., 1.75"I.D., 2.312" Long, Butt Mount		FH-1-CB6G
		2" Dia., 1.75"I.D., 2.296" Long, Thru Mount		FH-1-3FG
		2" Dia., 1.69"I.D., 2.296" Long, Thru Mount		FH-1-11FG
		2" Dia., 1.75"I.D., 2.395" Long, Thru Mount		FH-1-6FG
		2" Dia., 1.69"I.D., 2.395" Long, Thru Mount		FH-1-5FG
		2" Dia., 1.69"I.D., 2.385" Long, Thru Mount for 2 speed		FH-1-2EG
		2" Dia., 1.69"I.D., 2.385" Long, Thru Mount for 2 speed		FH-1-2FG
3	Impeller			
4	Shim, Selective	.010" Thick		MW-2-10
		.020" Thick		MW-2-20
		.030" Thick		MW-2-30
5	Washer, Steel	Standard, .09" Thick		FW-2-1
		Oversize, .11" Thick		FW-2-1A
6	Ring, Snap	3.600" I.D.	2	FX-20-11
		3.785" I.D.	2	FX-20-12
N.I.	Washer, Bronze	2 Tangs .190" Long	2	FW-3-1
		2 Tangs .250" Long	2	FW-3-1A
		4 Tangs	2	FW-3-2
7	Cap, Stator	3.60" O.D., .59" Thick, Aluminum		FW-4-3A
		3.60" O.D., .59" Thick, Phenolic		FW-4-3P
		3.80" O.D., .59" Thick, Aluminum		FW-4-4A
		3.80" O.D., .59" Thick, Phenolic		FW-4-4P
8	Stator			
9	Cam			FX-15-2
10	Spring, Accordion	.930" Wide	8	FS-6-2
11	Roller	5/16" Dia., .900" Long	8	FR-7
12	Race, Inner	32 Spline, 2.38" O.D., .985" High		FX-14-1
13	Rivet	.310" Long, Tubular	10	FX-12
		.385" Long, Tubular	10	FX-12L

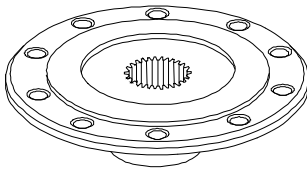
FORD C4, C6, 12", C4 11-1/4", 2 SPEED, Continued



ILL. #14

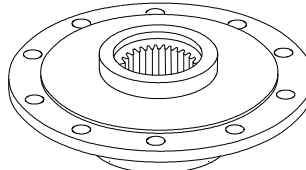
TURBINE HUBS

O.D. 3.85"
24 Spline



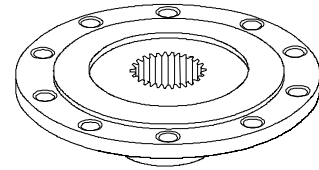
FX-13-1S

O.D. 3.85"
31 Spline



FX-13-2S

O.D. 3.85"
26 Spline

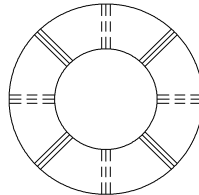


FX-13-4S

ILL. #16

TURBINE WASHERS

O.D. 2.75"
I.D. 1.33"

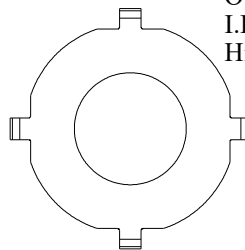


Part #	FW-9-4T	FW-9-4A	FW-9-4B	FW-9-4C	FW-9-4D	FW-9-4E	FW-9-4F	CW-9-3B	FW-9-4G
Thickness	.045	.062	.070	.079	.087	.096	.106	.156	.188

ILL. #17

STEEL WASHER

O.D. 2.75"
I.D. 1.33"
High .225"

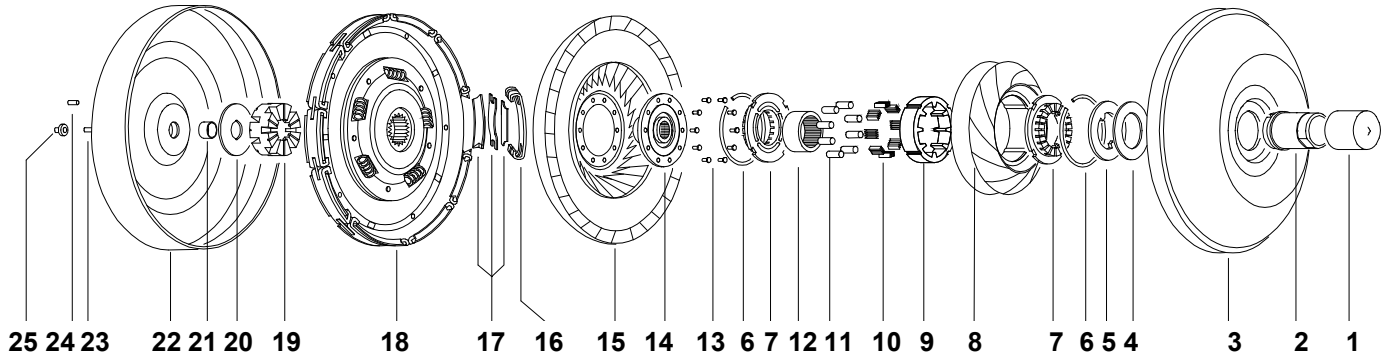


FW-9-5

FORD C4, C6, 12", C4 11-1/4", 2 SPEED, Continued

ILL.#		DESCRIPTION	QTY.	PART #
14	Turbine Hub	24 Spline, Steel (With Chamfer)		FX-13-1S
		26 Spline, OE Material		FX-13-4HT
		26 Spline, Steel		FX-13-4S
		31 Spline, OE Material		FX-13-2HT
		31 Spline, Steel		FX-13-2S
15	Turbine			
16	Washer, Turbine	.045" Thick		FW-9-4T
		.062" Thick		FW-9-4A
		.070" Thick		FW-9-4B
		.079" Thick		FW-9-4C
		.087" Thick		FW-9-4D
		.096" Thick		FW-9-4E
		.106" Thick		FW-9-4F
		.156" Thick		CW-9-3B
		.188" Thick		FW-9-4G
		<i>Add Suffix "F" For Fibre</i>		
17	Washer, Steel	Cover, 4 Lugs, For C-6		FW-9-5
18	Cover, Front			
19	Plug, Drain	1/8 NPT		FX-11
		1/8 NPT, PTFE Wrap		FX-11A
20	Stud	3/8-24, .21" Thick. Head, 1963-Up	4	FX-10-3
		3/8-24, .16" Thick. Head, 1958-1962	4	FX-10-4
N.I.	Studcap™		4	MHC-STD
21	Nut	3/8-24, .35" High	4	FX-10-7
N.I.	Salvage Ring™	11-1/4" Dia., Coresaver™, .375" Wide		TX-22-878
		11-1/4" Dia., Coresaver™, .250" Wide		TX-22-878NR
		12" Dia., Coresaver™, .375" Wide		FX-21-1005
		12" Dia., Coresaver™, .250" Wide		FX-21-1005NR

FORD C-5

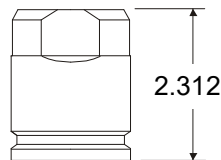


ILL. #2

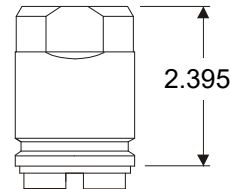
IMPELLER HUBS, 2.000" DIA.

Butt Mount

Thru Mount



FH-1-CB5G

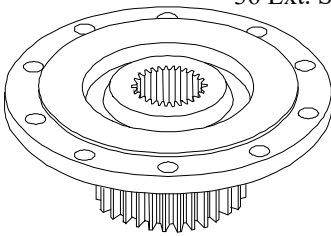


FH-1-5FG

Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

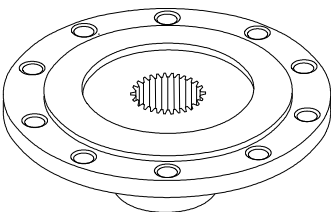
ILL. #14 TURBINE HUBS

O.D. 3.85
26 Int. Spline
36 Ext. Spline



FX-13-12HT

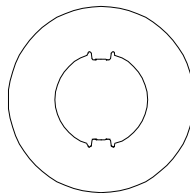
O.D. 3.85
26 Int. Spline



FX-13-4HT

ILL. #5 WASHERS

O.D. 3.12"
I.D. 1.87"
STEEL

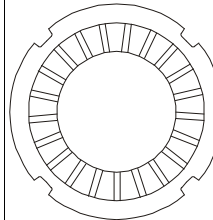


FW-2-1 .09" Thick.
FW-2-1A .11" Thick.

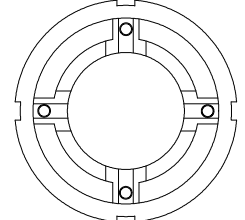
ILL. #7

STATOR CAPS

O.D. 3.60"
I.D. 2.00"



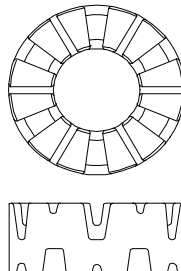
FW-4-13
Thick. .68"



FW-4-18
Thick. .56"

ILL. #19 SPACER

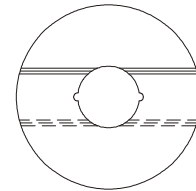
I.D. 1.35"
O.D. 2.76"
Thick. 1.19"



FW-9-10

ILL. #20 TURBINE WASHERS

O.D. 3.20"
I.D. 1.06"

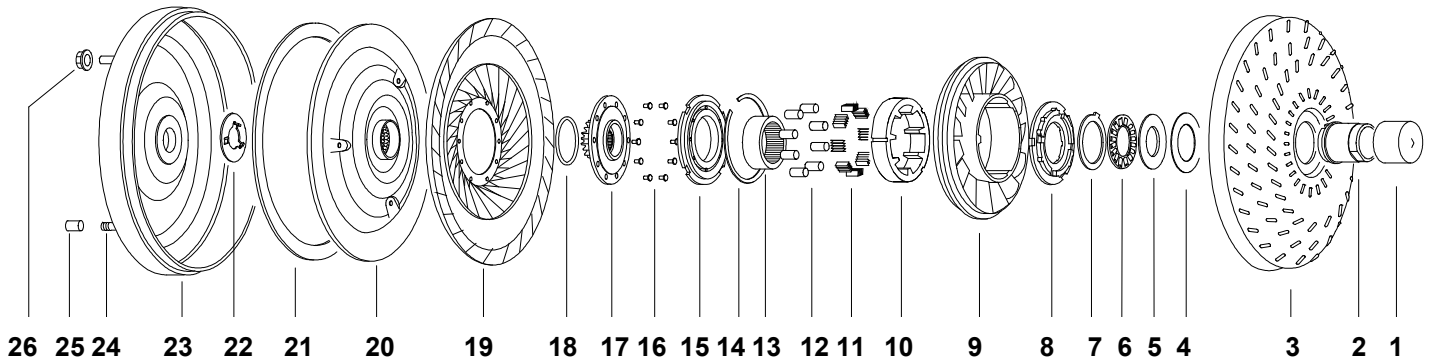


FW-9-9A, .047 Thick
FW-9-9B, .062 Thick
FW-9-9C, .094 Thick

FORD C-5

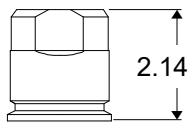
ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Red, For 2.00" Dia. Hubs		MHC-R
2	Hub, Impeller	Thru Mount, 2.395" High		FH-1-5FG
		Butt Mount, 2.312" High		FH-1-CB5G
3	Impeller			
4	Shim, Selective	.010" Thick		MW-2-10
		.020" Thick		MW-2-20
		.030" Thick		MW-2-30
5	Washer, Steel	.09" Thick		FW-2-1
		.11" Thick, Oversize		FW-2-1A
6	Ring, Snap		2	FX-20-11
7	Cap, Stator	Phenolic, E5DP-7937AA, E9TP-7937AA (Alt. FW-4-3P)	2	FW-4-13
		Phenolic, Heavy Duty, F7AP-7937AA	2	FW-4-19
	Adapter, Bearing	Use With SW-2-12 Bearing	2	FW-4-18
8	Stator			
9	Cam			FX-15-6
10	Spring, Accordion	.730" Wide (Alt. FS-6-2 .930" Wide)	8	FS-6-8
11	Roller	.700" Long (Alt. FR-7 .900" Long)	8	FR-7-2
12	Race, Inner	2.375" O.D., .790" High (Alt. FX-14-1 .985" High)		FX-14-5
13	Rivet		10	FX-12L
14	Turbine Hub	OE #E2AP-7926-AA, 26 Int. .36 Ext. Spline		FX-13-12HT
	Clutch Eliminator	OE #DOAP-7926B, 26 Spline, Use w/FW-9-10 Spacer		FX-13-4HT
15	Turbine	12" Dia.		
16	Brake Shoe	Lined, Red, .020" Oversize	10	FX-23-201R
17	Spring, Flat			Inquire
18	Lockup Clutch			
19	Spacer	Clutch Eliminator™, Use FX-13-4 Turbine Hub		FW-9-10
		Clutch Eliminator™, Floating, Use OE Turbine Hub		FW-9-10C
20	Washer, Turbine	.047" Thick		FW-9-9A
		.062" Thick		FW-9-9B
		.094" Thick		FW-9-9C
21	Bushing, Cover	Use FB-18-3X For Salvage		FB-18-3
N.I.	Salvage Ring™	Coresaver™, .375" Wide		FX-21-1005
		Coresaver™, .250" Wide		FX-21-1005NR
22	Cover, Front			
23	Stud	3/8-24	4	FX-10-3
24	Studcap™	Plastic Stud Protector	4	MHC-STD
25	Nut	3/8 -24	4	FX-10-7

FORD A4LD, 4R55E

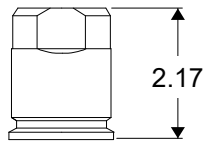


ILL. #2

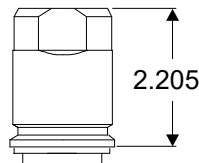
IMPELLER HUBS, 1.610" Dia.



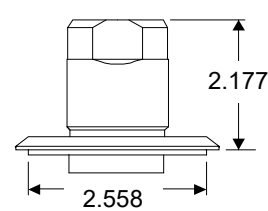
FH-1-14TGM



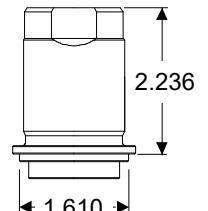
FH-1-14TGRC 1.610" O.D.
FH-1-15TGRC 1.612" O.D.



FH-1-14FGRC
FH-1-15FGRC



FH-1-18FLGRC

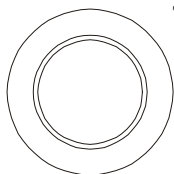


FH-1-23GRC

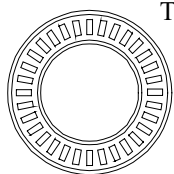
Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC" - Hardness Rc 32-36

ILL.# 5, 6, 7

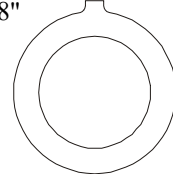
BEARING & RACES



FW-2-3



JW-2ND/JW-2N

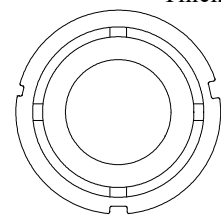


FW-2-4

FW-2BKHD/FW-2BK

ILL. #8

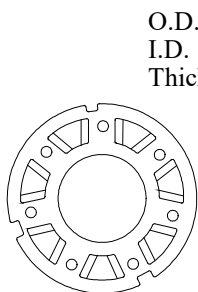
STATOR CAP



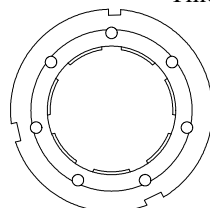
FW-4-10

ILL. #15

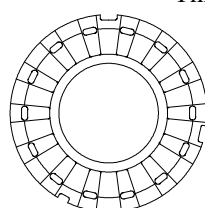
STATOR CAPS



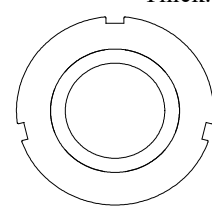
FW-4-11



FW-4-16



FW-4-22



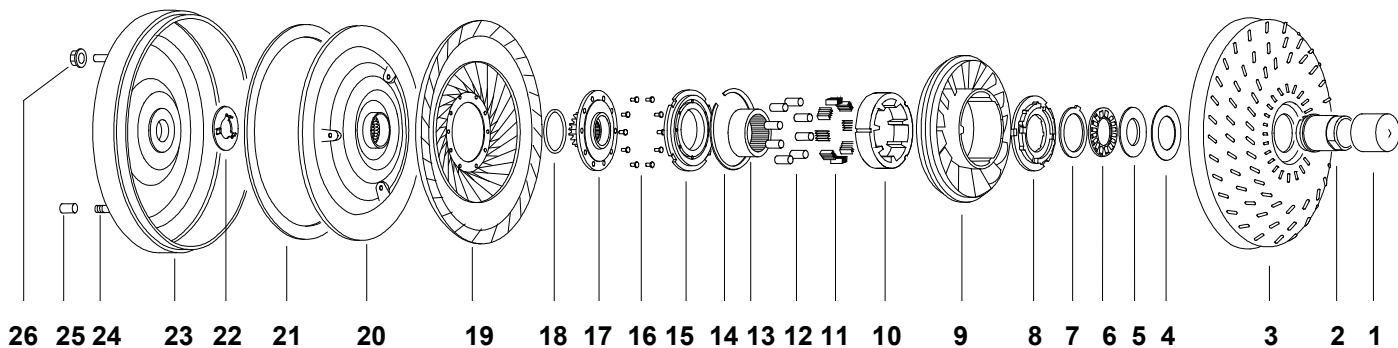
FW-4-24

FORD A4LD, 4R55E, Continued

ILL#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Black, For 1-5/8" Dia. Hubs		MHC-B
2	Hub, Impeller	Butt Mount, 2.14" High		FH-1-14TGM
		Butt Mount, 2.17" High, 1.610" O.D.		FH-1-14TG
		Butt Mount, 2.23" High, 1.612" O.D.		FH-1-15TG
		Thru Mount, 2.21" High		FH-1-14FG
		Flanged, Heat Treated		FH-1-18FLGRC
		Flanged, To Adapt AXOD Impellers Into A4LD		FH-1-23GRC
3	Impeller			
4	Shim, Selective	.010" Thick (<i>Replaced by TW-2X10</i>)		FW-2-010
		.020" Thick (<i>Replaced by TW-2X</i>)		FW-2-020
		.030" Thick (<i>Replaced by TW-2X30</i>)		FW-2-030
5	Race, Bearing	Lipped, .040" Thick		FW-2-3*
6	Bearing	40mm x 60mm x 3.18mm Heavy Duty		JW-2ND*
6	Bearing	40mm x 60mm x 2.74mm Light Duty		JW-2N*
7	Race, Bearing	1 Lug, .040" Thick		FW-2-4*
		1 Lug, .080" Thick		FW-2-4A
8	Cap, Stator	Aluminum, 84GT-7A869AA		FW-4-10
9	Stator			
10	Cam	Stator		FX-15-7
11	Spring, Accordion	.812" Wide	7	CS-6
12	Roller	.312" Dia. x .775" Long	7	FR-7-3
13	Race, Inner	30 Spline, 2.10" O.D., .860" High		FX-14-6
14	Ring, Snap			FX-20-10
15	Cap, Stator	Phenolic, 97GT-7937-AA, 3L2P-7937-AA, XP56T-7937-AA		FW-4-22
		Aluminum, 84GT-7937CA		FW-4-11
	Bearing Adapter	Use With 35400C Bearing		FW-4-16
		Use With TW-2-4 Bearing		FW-4-24
16	Rivet	.385" Long	10	FX-12L
17	Turbine Hub	21 Internal & 40 External Spline, Rivet-In		FX-13-13S
		21 Internal & 40 External Spline, Weld-In		FX-13-33HT
18	Ring, Seal	Scarf Cut, 52mm		FO-25-1
		Scarf Cut, 52mm, Oversize		FO-25-1A
19	Turbine	10 1/4" Dia.		
20	Lockup Clutch			FX-23-8N

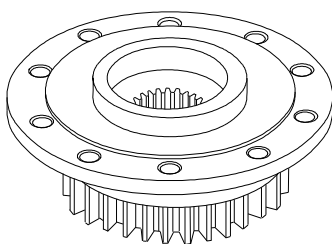
*NOTE: FW-2-3
JW-2ND/JW-2N  Bearing And Race Kit, FW-2BKHD/FW-2BK
FW-2-4

FORD A4LD, 4R55E, Continued



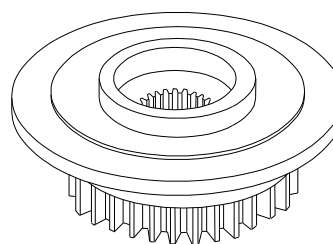
ILL. #17

TURBINE HUBS



FX-13-13S

O.D. 3.85"
21 Int. Spline
40 Ext. Spline



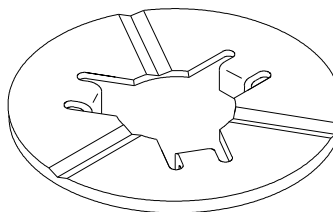
FX-13-33HT

O.D. 3.50"
21 Int. Spline
40 Ext. Spline

ILL. #22

TURBINE WASHERS

O.D. 2.36"
I.D. .82"



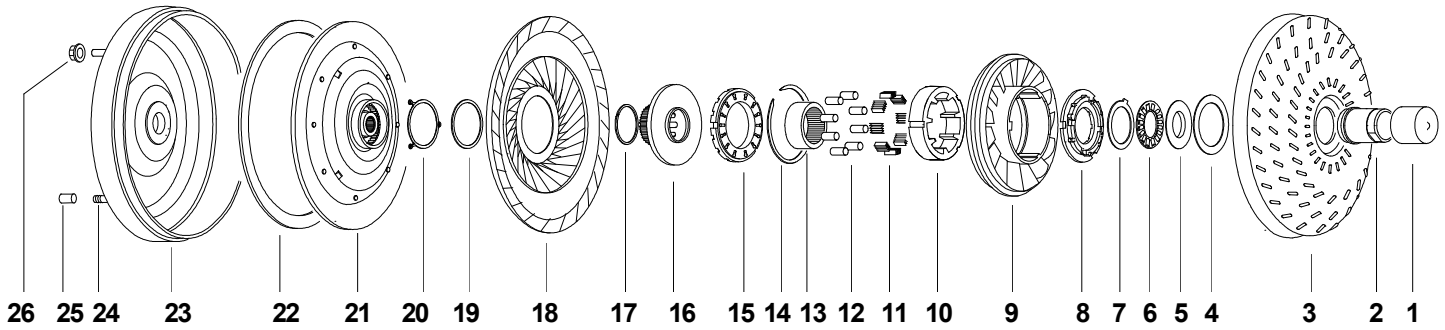
FW-9-12A Thru **F**, .170 Lug Width
FW-9-16A Thru **F**, .280 Lug Width

PART #	FW-9-12A	FW-9-12B	FW-9-12C	FW-9-12D	FW-9-12E	FW-9-12F
	FW-9-16A	FW-9-16B	FW-9-16C	FW-9-16D	FW-9-16E	FW-9-16F
THICK.	.062	.070	.080	.088	.098	.108

FORD A4LD, 4R55E, Continued

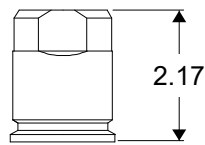
ILL.#		DESCRIPTION	QTY.	PART #
21	Lining	9-3/4" O.D., 8-1/4" I.D., .045" Thick		YX-23-3K*
		9.725" O.D., 8.25" I.D., .045" Thick		FX-23-57K*
		9-5/8" O.D., 8-3/8" I.D., .045" Thick		FX-23-63T*
		9-11/16" O.D., 8-1/4" I.D., .045" Thick, (Optional Lining O.D.)		FX-23-19K*
		10" O.D., 8-1/4" I.D., .045" Thick, (Front Cover)		YX-23-1K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
22	Washer, Turbine	Bronze, Selective, .168" Lugs, .062" Thick		FW-9-12A
		.070" Thick		FW-9-12B
		.080" Thick		FW-9-12C
		.088" Thick		FW-9-12D
		.098" Thick		FW-9-12E
		.108" Thick		FW-9-12F
		Bronze, Selective, .280" Lugs, .062" Thick		FW-9-16A
		.070" Thick		FW-9-16B
		.080" Thick		FW-9-16C
		.088" Thick		FW-9-16D
		.098" Thick		FW-9-16E
		.108" Thick		FW-9-16F
N.I.	Salvage Ring™	Coresaver™		
23	Cover, Front			
24	Stud	3/8-24	4	FX-10-11
25	Studcap™	Plastic Stud Protector	4	MHC-STD
26	Nut	3/8-24	4	FX-10-7
N.I.	Pilot	20.9mm Dia. x 33mm Long		FX-17-8
		20.9mm Dia. x 36.8mm Long		FX-17-8A

FORD A4LD 4R55E, LATE

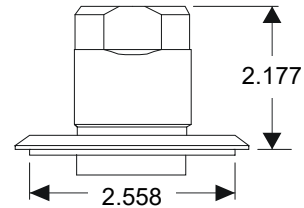


ILL. # 2

IMPELLER HUB, 1.610" DIA.



FH-14TGRC

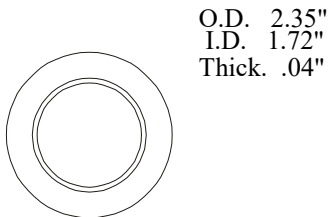


FH-18FLGRC

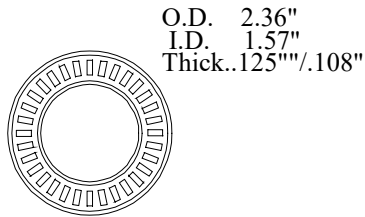
Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"-Hardness Rc 32-36

ILL.# 5, 6, 7

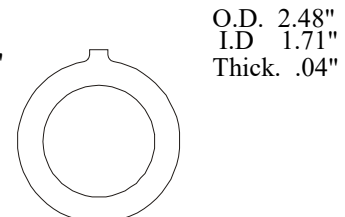
BEARING & RACES



FW-2-3



JW-2ND/JW-2N

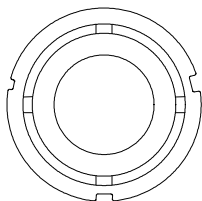


FW-2-4

FW-2BKHD/FW-2BK

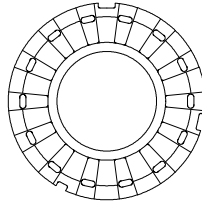
ILL. # 8 & 15 **STATOR CAPS & BEARING ADAPTER**

O.D. 3.34"
I.D. 1.72"
Thick. .17"



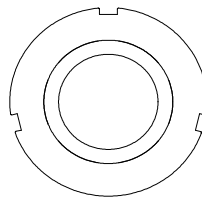
FW-4-10

O.D. 3.35"
I.D. 1.70"
Thick. .39"



FW-4-22

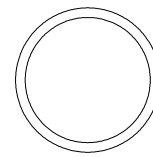
O.D. 3.35"
I.D. 1.70"
Thick. .36"



FW-4-24

ILL. #19 **SHIM, STEEL**

O.D. 2.36"
I.D. 2.05"



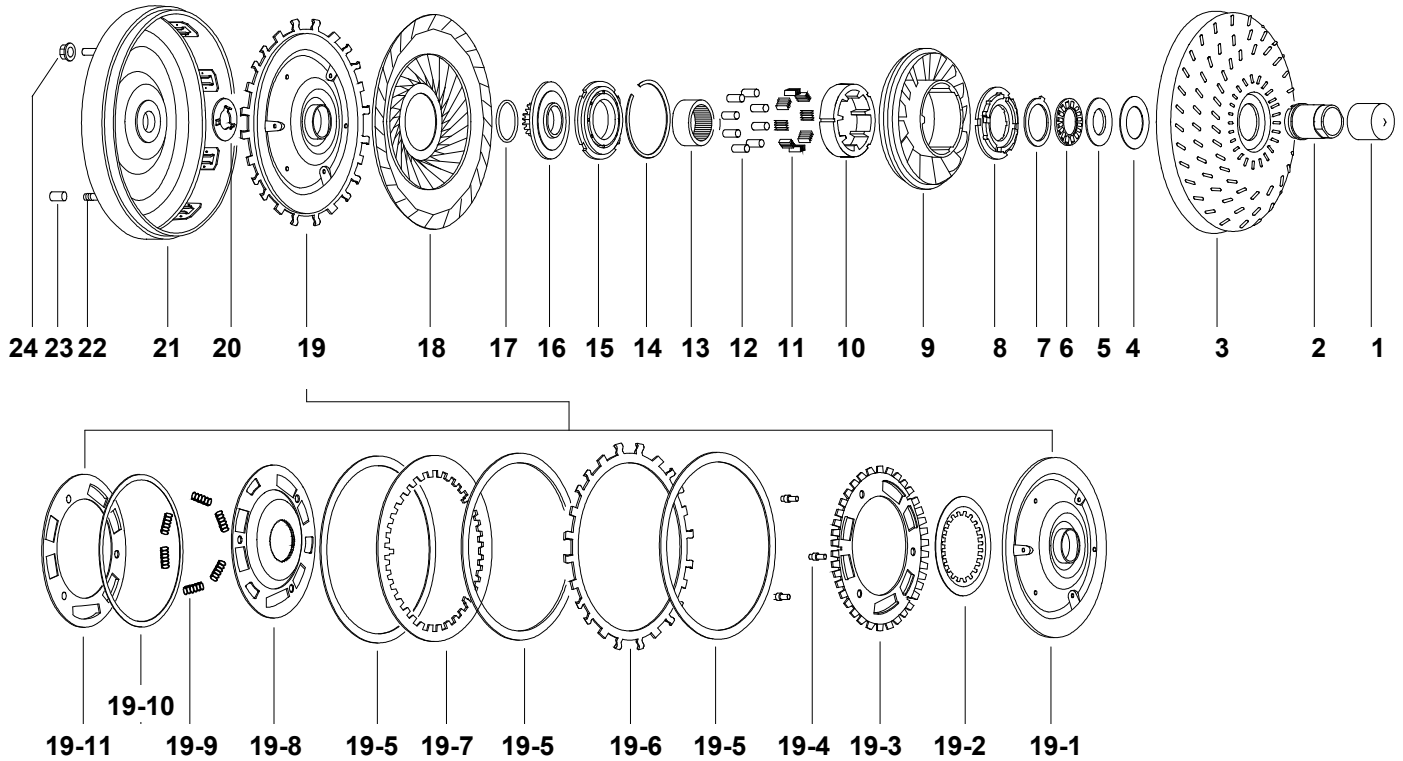
FW-9-21	A	B	C	G	H
Thickness	.083"	.067"	.051"	.035"	.020"

FORD A4LD 4R55E, LATE

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Black, For 1-5/8" Dia. Hubs		MHC-B
2	Hub, Impeller Flanged, Heat Treated Butt Mount, Heat Treated		FH-1-18FLG FH-1-14TGRC
3	Impeller		
4	Shim .010" Thick .020" Thick .030" Thick		TW-2X10 TW-2X TW-2X30
5	Race Lipped, .040" Thick		FW-2-3*
6	Bearing 40mm x 60mm x 3.18mm Heavy Duty		JW-2ND*
6	Bearing 40mm x 60mm x 2.74mm Light Duty		JW-2N*
7	Race 1 Lug, .040" Thick 1 Lug, .080" Thick		FW-2-4* FW-2-4A
8	Cap, Stator Aluminum, 84GT-7A869-AA		FW-4-10
9	Stator		
10	Cam Stator		
11	Spring, Accordion .812" Wide, .300" High	7	CS-6
12	Roller .312" Dia. x .775" Long	7	FR-7-3
13	Race, Inner 30 Spline, 2.100" O.D., .86" High		FX-14-6
14	Ring, Snap		FX-20-10
15	Cap, Stator Bearing Adapter Phenolic, 97GT-7937-AA, 3L2P-7937-AA, XP56T-7937-AA Aluminum, Use With TW-2-4 Bearing		FW-4-22 FW-4-24
16	Turbine Hub No Int. Spline, 40 Ext. Spline, Weld-In Design.		
17	Ring, Seal Scarf Cut		FO-25-1
18	Turbine		
19	Shim Steel, Selective, 2.36" O.D., 2.05" I.D., Thick. <i>See Pg. 6-22</i> Steel, 2.37" O.D., 2.065" I.D., .050" Thick. <i>For OEM Piston</i>		FW-9-21 FW-9-22
20	Ring		
21	Lockup Clutch Insert Assembly, 8 Double Springs, 21 Internal Spline 21 Internal Spline		FX-23-4R55E FX-23-58
22	Lining 9-3/4" O.D., 8-1/4" I.D., .045" Thick 9.725" O.D., 8.25" I.D., .045" Thick 9-5/8" O.D., 8-3/8" I.D., .045" Thick, Tan		YX-23-3* FX-23-57* FX-23-63T*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan			
23	Cover, Front		
24	Stud 3/8-24	4	FX-10-11
25	Studcap™ Plastic Stud Protector	4	MHC-STD
26	Nut 3/8-24	4	FX-10-7

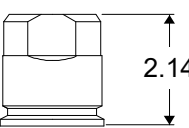
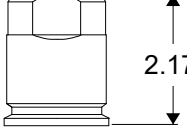
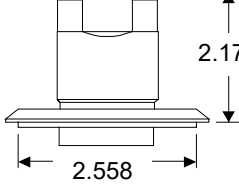
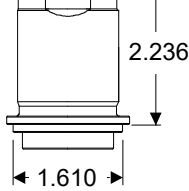
*NOTE: FW-2-3
JW-2ND/JW-2N
FW-2-4 } Bearing And Race Kit, FW-2BKHD/FW-2BK

FORD A4LD MULTI-CLUTCH 4.0



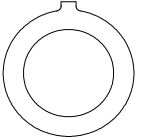
ILL. #2

IMPELLER HUBS, 1.610" DIA.

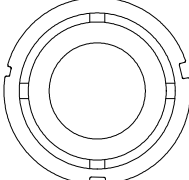
 FH-1-14TGM	 FH-1-14TGRC 1.610" O.D. FH-1-15TGRC 1.612" O.D.  FH-1-14FGRC FH-1-15FGRC	 FH-1-18FLGRC  FH-1-23GRC
--	---	--

Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC" - Hardness Rc 32-36

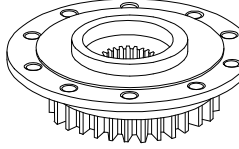
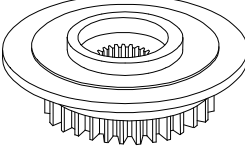
ILL. #7, 6 RACE & BEARING

O.D. 2.48" I.D. 1.71" Thick. .04"  FW-2-4	O.D. 2.36" I.D. 1.57" Thick. .12"  JW-2ND
---	---

ILL. #8 STATOR CAP

O.D. 3.34" I.D. 1.72" Thick. .17"  FW-4-10
--

ILL. #16 TURBINE HUBS

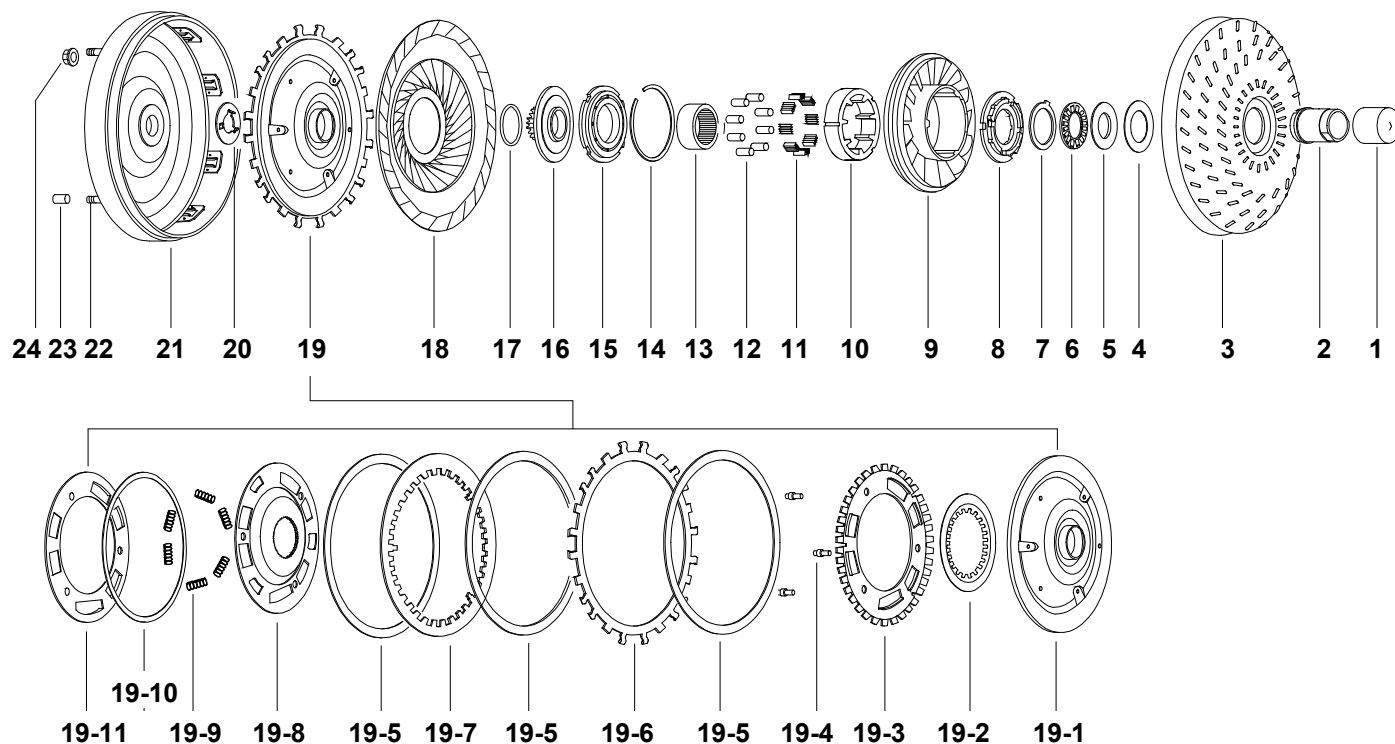
O.D. 3.85" 21 Spline  FX-13-13S	O.D. 3.50" 21 Spline  FX-13-33HT
--	--

FORD A4LD MULTI-CLUTCH 4.0, Continued

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Black, For 1-5/8" Dia. Hubs		MHC-B
2	Hub, Impeller	Butt Mount, 2.14" High		FH-1-14TGM
		Butt Mount, 1.61" O.D., 2.17" High		FH-1-14TG
		Butt Mount, 1.61" O.D., 2.23" High		FH-1-15TG
		Thru Mount, 2.21" High		FH-1-14FG
		Flanged, Heat Treated, 2.18" High		FH-1-18FLGRC
		Flanged, To Adapt AXOD Hub For Use With A4LD		FH-1-23GRC
3	Impeller			
4	Shim, Selective	.01" Thick		TW-2X10
		.02" Thick		TW-2X
		.03" Thick		TW-2X30
5	Race, Bearing	Lipped, .04" Thick		FW-2-3*
6	Bearing	40mm x 60mm, Heavy Duty		JW-2ND*
7	Race, Bearing	1 Lug, .04" Thick		FW-2-4*
		1 Lug, .08" Thick		FW-2-4A
8	Cap, Stator	Aluminum, 84GT-7A869AA		FW-4-10
9	Stator			
10	Cam	Stator, .88" Wide x 3.35"		FX-15-7
11	Spring, Accordion	.81" Wide	7	CS-6
12	Roller	.31" Dia., .78" Long	7	FR-7-3
13	Race, Inner	30 Spline, 2.10" O.D., .86" High		FX-14-6
14	Ring, Snap		2	FX-20-10
15	Cap, Stator	Phenolic, 97GT-7937-AA, 3L2P-7937-AA, XP56T-7937-AA		FW-4-22
		Aluminum, 84GT-7937CA		FW-4-11
	Adapter, Bearing	Aluminum, Use With 35400C Bearing		FW-4-16
		Aluminum, Use With TW-2-4 Bearing		FW-4-24
N.I.	Rivet	.39" Long	10	FX-12L
16	Turbine Hub	21 Internal & 40 External Spline, Rivet-In		FX-13-13S
		21 Internal & 40 External Spline, Weld-In		FX-13-33HT
17	Ring, Seal	Scarf Cut, 52mm		FO-25-1
		Scarf Cut, 52mm, Oversize		FO-25-1A
18	Turbine	10 1/4" Dia.		
19	Clutch Assembly	Multi-Plate		FX-23-14
		Single-Plate, Can Retrofit FX-23-14		FX-23-8N
N.I.	Plate, Conversion	Camalot™, Multi To Single (Weld-On)		FX-22-12A

***NOTE:** FW-2-3
 JW-2ND/JW-2N  Bearing And Race Kit, **FW-2BKHD/FW-2BK**
 FW-2-4

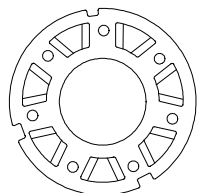
FORD A4LD MULTI-CLUTCH 4.0, Continued



ILL. #15

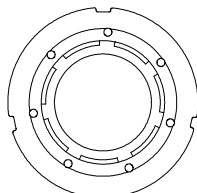
STATOR CAPS

O.D. 3.34"
I.D. 1.70"
Thick. .43"



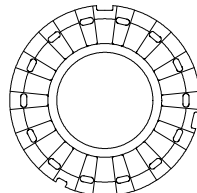
FW-4-11

O.D. 3.34"
I.D. 1.74"
Thick. .39"



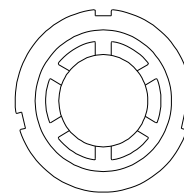
FW-4-16

O.D. 3.34"
I.D. 1.70"
Thick. .39"



FW-4-22

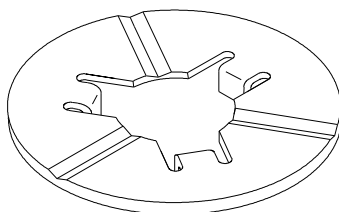
O.D. 3.34"
I.D. 1.70"
Thick. .43"



FW-4-24

ILL. #20

TURBINE WASHERS



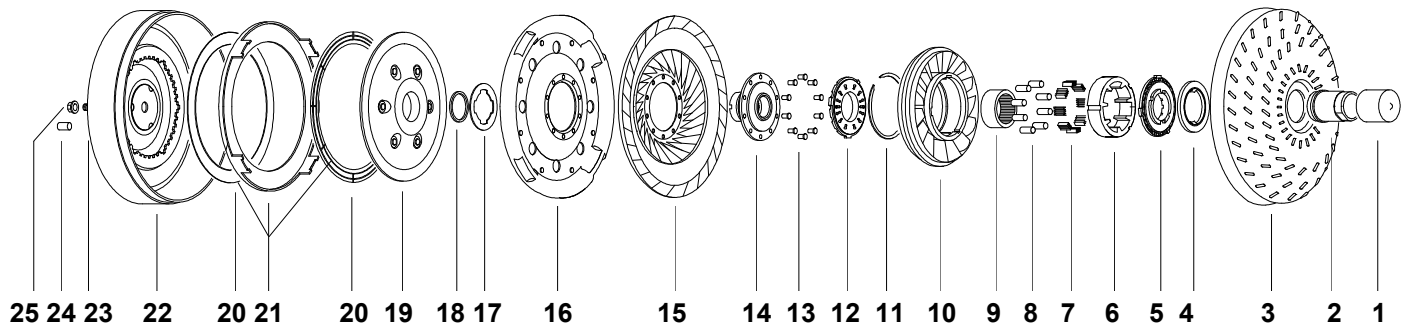
O.D. 2.36"
I.D. .82"

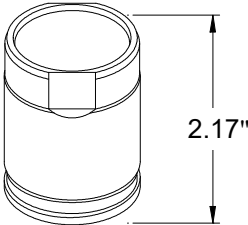
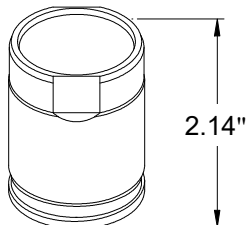
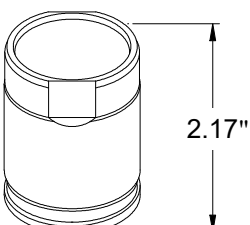
PART #	FW-9-12A	FW-9-12B	FW-9-12C	FW-9-12D	FW-9-12E	FW-9-12F
	FW-9-16A	FW-9-16B	FW-9-16C	FW-9-16D	FW-9-16E	FW-9-16F
THICK.	.062	.070	.080	.088	.098	.108

FORD A4LD MULTI-CLUTCH 4.0, Continued

ILL.#	DESCRIPTION		QTY.	PART #
19-1	Piston			
19-2	Spring, Diaphragm			
19-3	Plate, Damper			
19-4	Rivet	Damper Assembly, OE Style, .82" Long	3	FX-12-4
		1.00" Long	3	FX-12-4A
19-5	Lining	9-3/8" O.D., 8-1/8" I.D., .045" Thick	3	FX-23-18K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
19-6	Plate, Clutch			
19-7	Plate, Clutch			
19-8	Plate, Coupling			
19-9	Spring, Damper		6	
19-10	Lining, Retainer	6-13/16" O.D., 6-7/16" I.D., .045" Thick	1	FX-23-17
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
19-11	Plate	Spring Retaining		FX-23-44203
20	Washer, Turbine	Bronze, Selective, .170" Lugs, .062" Thick		FW-9-12A
		.070" Thick		FW-9-12B
		.080" Thick		FW-9-12C
		.088" Thick		FW-9-12D
		.098" Thick		FW-9-12E
		.108" Thick		FW-9-12F
		Bronze, Selective, .280" Lugs, .062" Thick		FW-9-16A
		.070" Thick		FW-9-16B
		.080" Thick		FW-9-16C
		.088" Thick		FW-9-16D
		.098" Thick		FW-9-16E
		.108" Thick		FW-9-16F
N.I.	Salvage Ring™	Coresaver™		Inquire
21	Cover, Front			
22	Stud	3/8-24	4	FX-10-11
23	Studcap™	Plastic Stud Protector	4	MHC-STD
24	Nut	3/8-24, .34" High, Special Locking	4	FX-10-7
N.I.	Pilot	1-5/16" Long, .82" Dia.		FX-17-8

FORD 5R55N, 5R55S, 5R55W



ILL. #2IMPELLER HUBS, 1.610" DIA.		1.612" DIA.
 FH-1-14TG	 FH-1-14TGM	 FH-1-15TG
Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36		

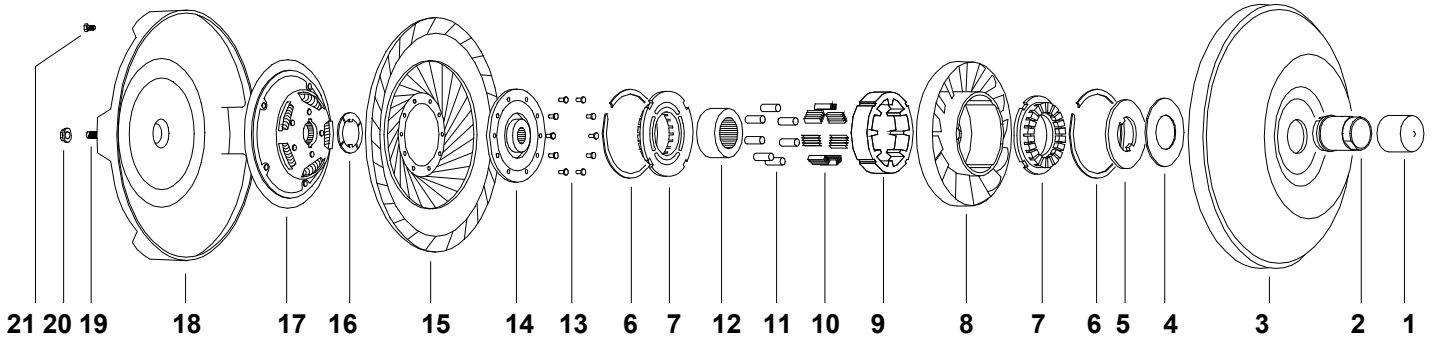
ILL. # 4 BEARING	ILL. # 5,12 STATOR CAPS	
 O.D. 2.89" I.D. 1.99" Thick. .197" FW-2-9	 O.D. 3.35" I.D. 1.55" Thick. .44" FW-4-33	 O.D. 3.35" I.D. 1.68" Thick. .38" FW-4-30

ILL. #14 TURBINE HUB	ILL. #21 CONVERSION CLUTCH PLATE	ILL. #21 PLATE, CLUTCH
 O.D. 3.80" 21 Spline FX-13-44HT	 O.D. 9.55" I.D. 1.66" FX-23-60	 O.D. 9.55" I.D. 7.25" FX-23-53
	 FX-23-60A	

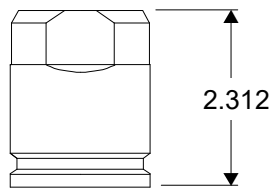
FORD 5R55N, 5R55S, 5R55W

ILL.	DESCRIPTION	Q	PART #
1	Hubcap® Black, For 1-5/8" Dia. Hubs		MHC-B
2	Hub, Impeller Butt Style, 2.17" High, 1.610" O.D.		FH-1-14TG
	Butt Style, 2.14" High, 1.610" O.D.		FH-1-14TGM
	Butt Style, 2.17" High, 1.612" O.D.		FH-1-15TG
3	Impeller		
4	Bearing Enclosed, 2.89" O.D., 1.99" I.D., .197" Thick		FW-2-9
5	Cap, Stator Phenolic, 3.35" O.D., 1.55" I.D., .44" Thick OE # XW4P-7A869-AA		FW-4-33
6	Cam Stator, .88" Wide x 3.35"		FX-15-7
7	Spring, Accordion .81" Wide	7	CS-6
8	Roller .31" Dia., .78" Long	7	FR-7-3
9	Race, Inner 30 Spline, 2.10" O.D., .86" High		FX-14-6
10	Stator OE # XW4P-7934-CB		
11	Ring, Snap		FX-20-10
12	Cap, Stator Phenolic, 3.35" O.D., 1.68" I.D., .38" Thick OE # 3XW4P-7937-AA		FW-4-30
13	Rivet .214" Shank Dia., .310" Long, Tubular	10	FX-12
	.214" Shank Dia., .385" Long, Tubular	10	FX-12L
	.214" Shank Dia., .385" Long, Solid	10	FX-12LS
14	Turbine Hub 21 Spline (6 Removed), 3.80" O.D.		FX-13-44HT
15	Turbine		
16	Damper Assembly		
17	Turbine Washer Phenolic, 2.63" O.D., 1.68" I.D., .06" Thick		FW-9-26
18	Ring, Seal 1.723" O.D., .103" Thick, Blue With Red Speckles OE # XW4P-7A869-AA		FO-25-14
	Scarf Cut Option, 1.71" O.D., .111" Thick		FO-25-15
19	Pressure, Plate		
20	Lining 8-1/4" O.D., 7.28" I.D., .045" Thick, Grooved	2	FX-23-47M*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
21	Plate, Clutch 7.25" I.D., Double Lining, O.E. Type, Use FX-23-31 7.87" I.D., Double Lining, Universal 1.66" I.D., Conversion Clutch Plate 1.66" I.D., Conversion Clutch Plate, Bonded, with TX-23-5X70		FX-23-53 FX-23-31 FX-23-60 FX-23-60A
22	Cover, Front		
23	Stud M10 x1.0, 14mm Long Under Head, T Head	4	FX-10-13
24	Studcap™	4	MHC-STD
25	Nut M10 x1.0, 8.5mm High	4	FX-10-17

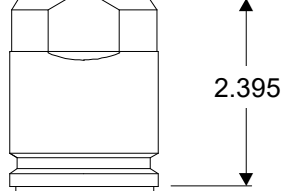
FORD AOD (FIOD)



ILL. # 2 IMPELLER HUBS, 1.996" DIA.



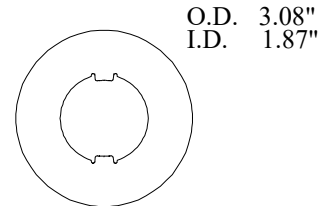
FH-1-CB5G



FH-1-5FG

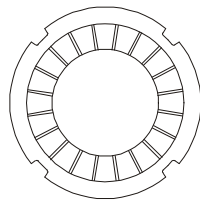
Suffix Code: No Suffix Unfinished,
"G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. # 5 STEEL WASHERS



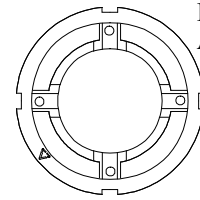
FW-2-1 .09" Thick
FW-2-1A .11" Thick

ILL. # 7 STATOR CAPS



O.D. 3.60"
I.D. 2.00"
Phenolic

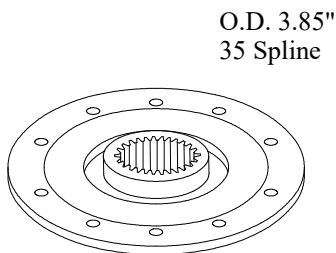
BEARING ADAPTERS



O.D. 3.60"
I.D. 2.00"
Aluminum

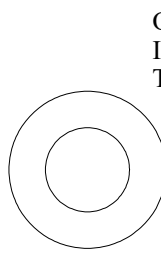
Part #	FW-4-3P	FW-4-15 (Heavy Duty)	FW-4-13	FW-4-19 (Heavy Duty)	FW-4-14	FW-4-18
Thickness	.59"	.59"	.69"	.69"	.66"	.57"

ILL. # 14 TURBINE HUB

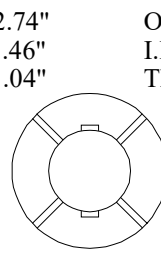


FX-13-10HT

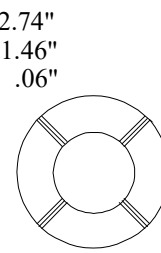
ILL. # 16 TURBINE WASHERS



FW-9-13



FW-9-6

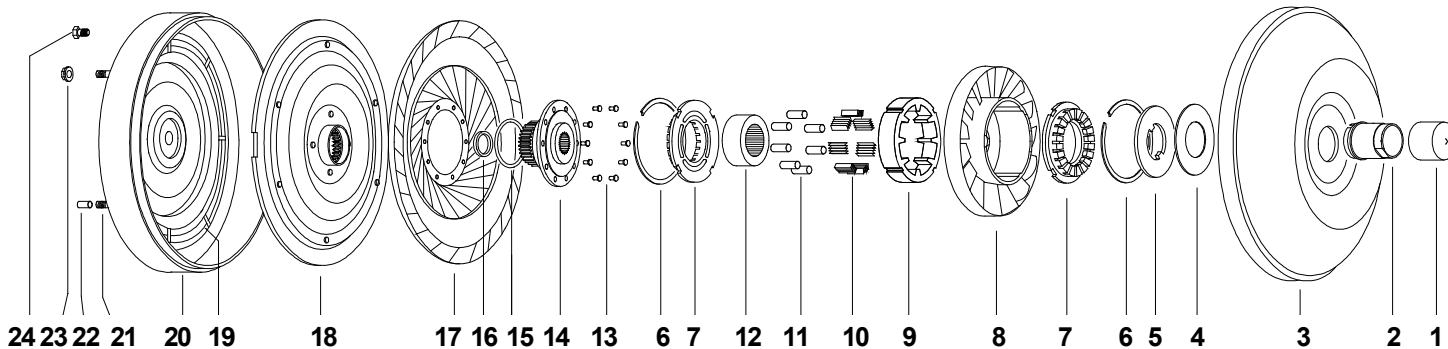


TW-9-5AF

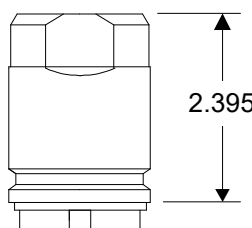
FORD AOD (FIOD)

ILL. #	DESCRIPTION		QTY.	PART #
1	Hubcap®	Red, For 2" Dia. Hubs		MHC-R
2	Hub, Impeller	Thru Mount, 2.395" High Butt Mount, 2.31" High		FH-1-5FG FH-1-CB5G
3	Impeller			
4	Shim, Selective	.01" Thick .02" Thick .03" Thick		MW-2-10 MW-2-20 MW-2-30
5	Washer, Steel	.09" Thick, Standard .11" Thick, Oversize		FW-2-1 FW-2-1A
6	Ring, Snap		2	FX-20-11
7	Cap, Stator	Phenolic, .59" Thick, (D2AP-7937AA) Phenolic, Heavy Duty, .59" Thick, (F5TP-7937AA) Phenolic, .68" Thick, (E5DP-7937AA, E9TP-7937AA) Phenolic, Heavy Duty, .68" Thick, (F7AP-7937-AA)	2	FW-4-3P FW-4-15 FW-4-13 FW-4-19
	Adapter, Bearing	For Short Rollers, Use With SW-2-12 Bearing (.73" Stack Height) For Long Rollers, Use With SW-2-12 Bearing (.63" Stack Height)		FW-4-14 FW-4-18
8	Stator			
9	Cam	Early, .98" Wide		FX-15-4
10	Spring, Accordion	.93" Wide .73" Wide	8 8	FS-6-2 FS-6-8
11	Roller	.90" Long .71" Long	8 8	FR-7 FR-7-2
12	Race, Inner	32 Spline, 2.38" O.D., .99" High 32 Spline, 2.38" O.D., .78" High		FX-14-1 FX-14-5
13	Rivet	.385" Long, Tubular	10	FX-12L
14	Turbine Hub, Steel	35 Spline, O.E. # EOAP-7926-AA		FX-13-10HT
15	Turbine	12" Dia.		
16	Washer, Turbine	Bronze, 2 Lugs Phenolic, 2 Lugs Fibre, .040" Thick Fibre, .063" Thick		FW-9-6 FW-9-6P FW-9-13 TW-9-5AF
17	Damper Assembly	Bullet Proof™		FX-22-8A
N.I.	Damper Eliminator			FX-22-26K
N.I.	Hub, Splined	Solid Steel, Bullet Proof™, Problem Solver		FX-22-6BHD
N.I.	Salvage Ring™	Coresaver™, .375" Wide Coresaver™, .250" Wide		FX-21-1005 FX-21-1005NR
18	Cover, Front			
19	Stud		4	FX-10-4
N.I.	Studcap™	Plastic Stud Protector	4	MHC-STD
20	Nut	3/8-24, .34" High, Special Locking	4	FX-10-7
21	Plug, Drain	1/8-27 NPT, Steel 1/8-27 NPT, With PTFE Wrap		FX-11 FX-11A

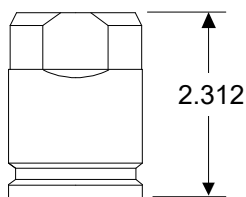
FORD AOD-E, 4R70W



ILL. # 2 IMPELLER HUBS, 1.996" DIA.



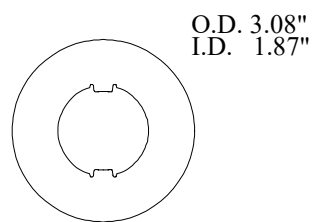
FH-1-5FG



FH-1-CB5G

Suffix Code: No Suffix Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

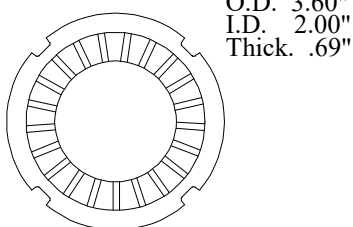
ILL. # 5 STEEL WASHERS



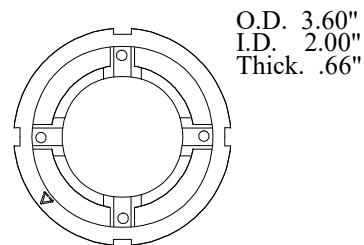
FW-2-1 Thick. 0.09"
FW-2-1A Thick. 0.11"

ILL. # 7

STATOR CAPS & BEARING ADAPTER



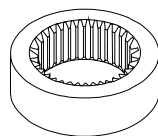
FW-4-13
FW-4-19 (Heavy Duty)



FW-4-14 Use w/ **SW-2-12** Bearing

ILL. # 12

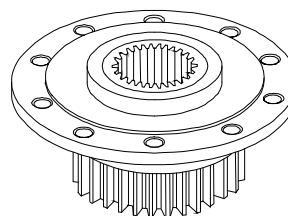
INNER RACE



FX-14-5

ILL. # 14

TURBINE HUB

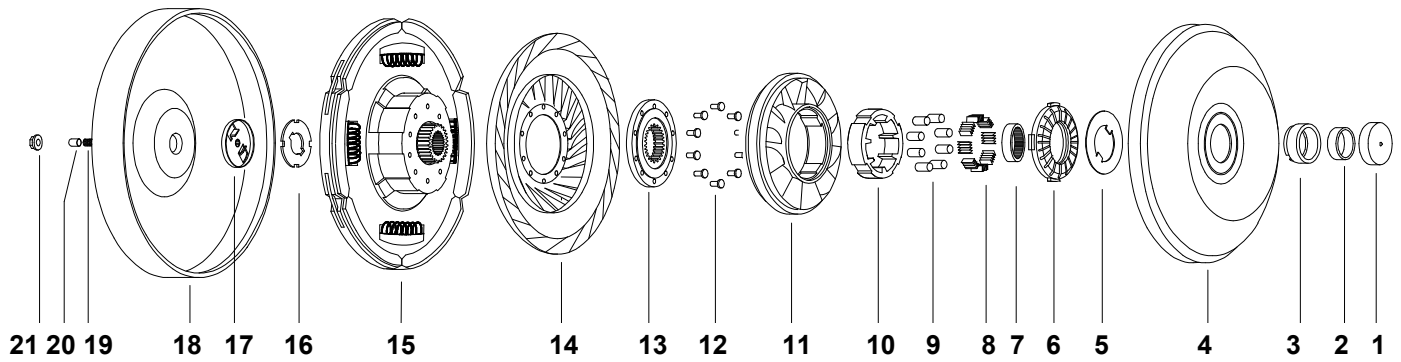


FX-13-20HT

FORD AOD-E, 4R70W

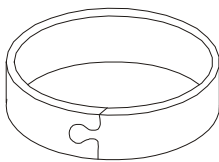
ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Red, For 2" Dia. Hubs		MHC-R
2	Hub, Impeller	Thru Mount, 2.395" High		FH-1-5FG
3	Impeller			
4	Shim, Selective	.01" Thick		MW-2-10
		.02" Thick		MW-2-20
		.03" Thick		MW-2-30
5	Washer, Steel	.09" Standard		FW-2-1
		.11" Oversize		FW-2-1A
6	Ring, Snap		2	FX-20-11
7	Cap, Stator	Phenolic, 3.60" O.D., .68" Thick, E9TP-7937AA	2	FW-4-13
		Phenolic, Heavy Duty, 3.60" O.D., .68" Thick, F7AP-7937-AA	2	FW-4-19
	Adapter, Bearing	Use To Adapt SW-2-12 Bearing		FW-4-14
8	Stator			
9	Cam	3.60" x .800"		FX-15-6
10	Spring, Accordion	.73" Wide	8	FS-6-8
11	Roller	.71" Long	8	FR-7-2
12	Race, Inner	32 Spline, 2.35" O.D., .78" High		FX-14-5
13	Rivet		10	FX-12L
14	Turbine Hub, Steel	31 Spline		FX-13-20HT
15	O-Ring	Fluorocarbon, 2.41" O.D.		FO-25-5V
16	Seal, Metal Clad	Fluorocarbon, 22mm x 27.5mm		FO-25-6
17	Turbine	11-1/4" Dia. 12" Dia.		
18	Lockup Clutch	R.W.D. Passenger, 10-3/4" Dia.		FX-23-106
		T-Bird Super Coupe, 11-3/4" Dia.		FX-23-109
19	Lining	For 12" Cover Only, & For 11-1/4" Cover or Piston, 10-9/16" O.D., 9-5/16" I.D., .045" Thick, Grooved		FX-23-26M*
		For 12" Cover or Piston, Heavy Duty, 11.187" O.D., 9.875" I.D., .045" Thick, Grooved		FX-23-28M*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
N.I.	Salvage Ring™	Coresaver™		FX-21-1005
20	Cover, Front			
21	Stud		4	FX-10-3
22	Studcap™	Plastic Stud Protector	4	MHC-STD
23	Nut	3/8-24, .34" High, Special Locking	4	FX-10-7
24	Plug, Drain	1/8-27 NPT, Steel		FX-11
		1/8-27 NPT, With PTFE Wrap		FX-11A

FORD ATX LOCKUP & NON-LOCKUP



ILL. #2

BUSHING



FB-18

O.D. 2.07"
I.D. 1.94"
Thick. .52"

ILL. #3

IMPELLER HUB

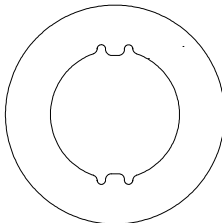


FH-1-12G

Suffix Code: No Suffix-Unfinished,
"G"-Finish Ground, "RC" - Hardness Rc 32-36

ILL. #5

WASHER

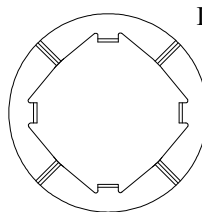


FW-2-2

O.D. 3.70"
I.D. 2.18"
Thick. .90"

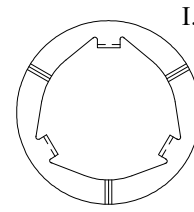
N.I.

WASHERS



FW-3-3

O.D. 3.66"
I.D. 2.58"

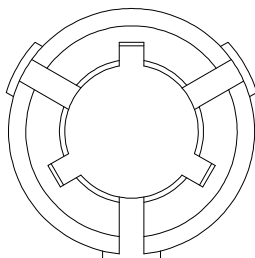


FW-3-4

O.D. 3.42"
I.D. 2.57"

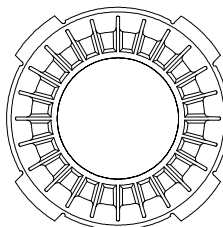
ILL. #6

STATOR CAPS



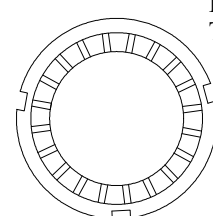
FW-4-6

O.D. 4.25"
I.D. 2.18"
Thick. .17"



FW-4-7

O.D. 4.00"
I.D. 2.18"
Thick. .33"



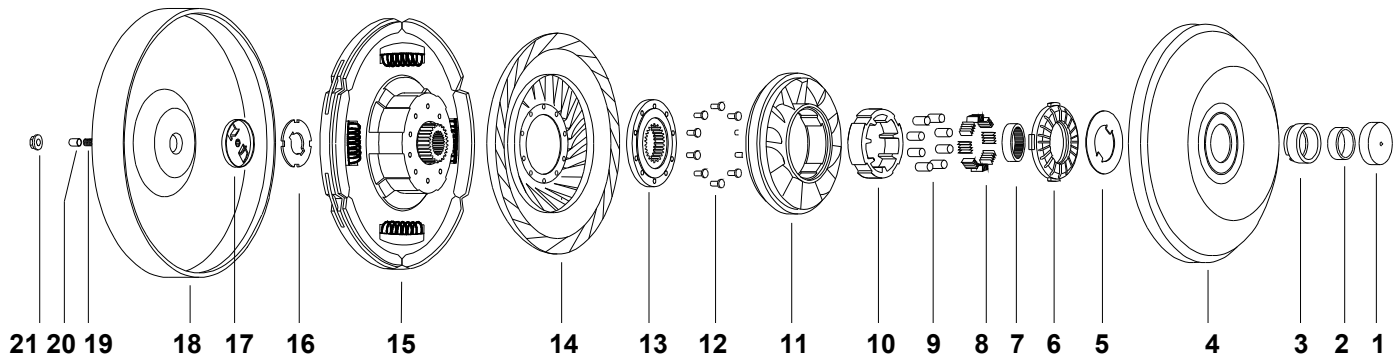
FW-4-12

O.D. 3.35"
I.D. 2.24"
Thick. 1.00"

FORD ATX LOCKUP & NON-LOCKUP

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	White, For 2-1/4" Dia. Hubs		MHC-W
2	Bushing, Hub	2.06" O.D., .53" High		FB-18
3	Hub, Impeller	2.37" Dia.		FH-1-12G
4	Impeller			
5	Washer, Steel	2 Lugs, 3.70" O.D., 2.18" I.D., .09" Thick		FW-2-2
N.I.	Washer	Bronze, Rear, 4 Tangs		FW-3-3
		Bronze, Front, 3 Tangs		FW-3-4
6	Cap, Stator	Aluminum, Rear, 4 Lugs (E1EP-7F435-BA)		FW-4-5
		Phenolic, Replaces FW-4-5 & FW-3-3 (E4EP-7937-AA)		FW-4-7
		Aluminum, Front, 3 Lugs (E1EP-7F435-AA)		FW-4-6
		Phenolic (E73P-7937AA), For "Open" (Non-Lockup)		FW-4-12
7	Race, Inner	48 Spline, 2.31" O.D., .49" High		FX-14-4
		32 Spline, 2.10" O.D., .78" High		FX-14-8
	Sleeve	Double Spline For "Open"(Non-Lockup), 32/48 Spline		FX-14-7
8	Spring, Accordion	.44" Wide	8	FS-6-5
		.73" Wide, For "Open" (Non-Lockup)	8	FS-6-8
9	Roller	.43" Long	8	FR-7-1
		.71" Long, For "Open" (Non-Lockup)	8	FR-7-2
10	Cam	Stator, For Split Torque Planetary, .50" High		FX-15-5
		For "Open" (Non-Lockup), .80" High		FX-15-8
11	Stator			
12	Rivet	.310" Long, Tubular	10	FX-12
		.385" Long, Tubular	10	FX-12L

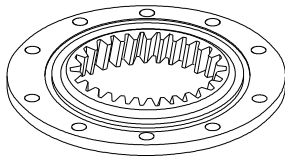
FORD ATX LOCKUP & NON-LOCKUP, Continued



ILL. #13

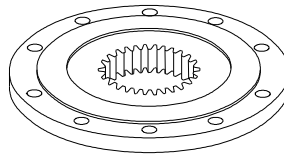
TURBINE HUBS & INSERT

O.D. 4.30"
48 Spline



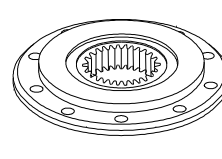
FX-13-11HT

O.D. 4.30"
44 Spline



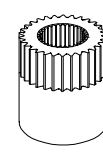
FX-13-15HT

O.D. 3.80"
30 Spline



FX-13-16HT

O.D. 1.34"
34 & 24 Int. Spline,
30 Ext. Spline

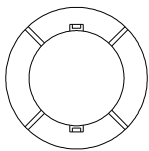


FX-13-17HT

ILL. #15

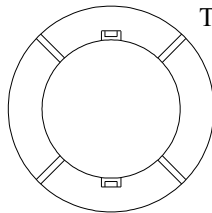
WASHERS

O.D. 2.10"
I.D. 1.45"
Thick. .06"



FW-9-7

O.D. 3.32"
I.D. 2.23"
Thick. .06"

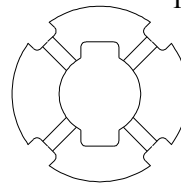


FW-9-8

ILL. #16

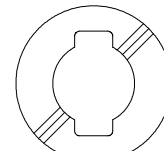
TURBINE WASHER

O.D. 2.02"
I.D. .94"
Thick. .16"



FW-9-14

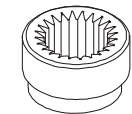
O.D. 1.78"
I.D. .94"
Thick. .16"



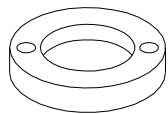
Optional design

ILL. # N.I.

KIT, INSERT



FX-13-18



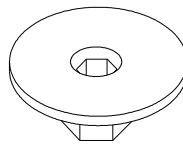
FX-13-28K

FX-22-24

ILL. # 17

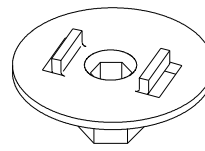
PLATES

O.D. 1.50"
Height .58"



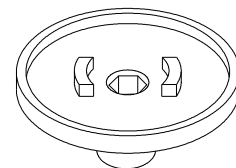
FX-22-21

O.D. 1.87"
Height .58"



FX-22-23

O.D. 2.36"
Height .80"



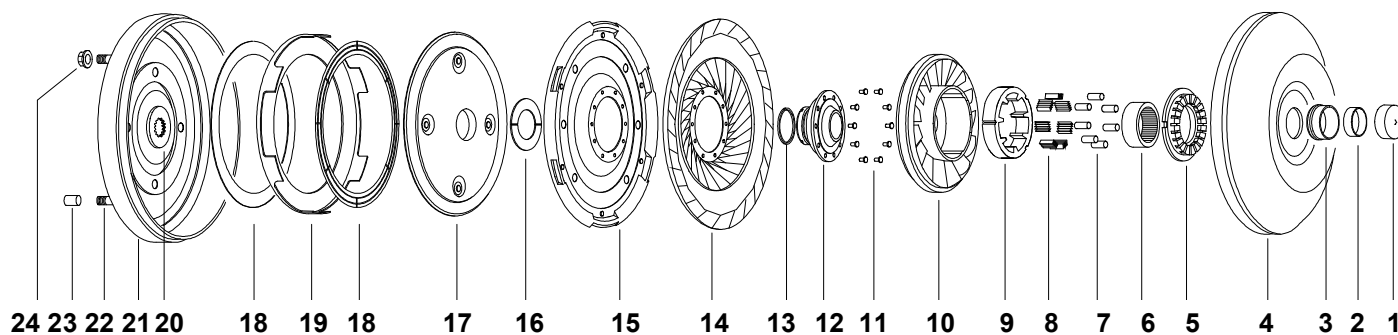
FX-22-26

FORD ATX LOCKUP & NON-LOCKUP, Continued

ILL.#		DESCRIPTION	QTY.	PART #
13	Turbine Hub	48 Spline, For Split Torque Planetary		FX-13-11HT
		44 Spline, For CLC With Brake Shoes		FX-13-15HT
		30 Spline, For "Open" (Non-Lockup)		FX-13-16HT
	Sleeve	Turbine, Triple Spline, For "Open" (Non-Lockup)		FX-13-17
14	Turbine	9 1/4" Dia.		
15	Clutch			
	*Spline, Insert	Planetary Repair, 24 Spline		FX-13-18
	*Pad, Thrust	Use With FX-13-18 & FW-9-7 To Eliminate Planetary		FX-22-24
	Kit, Insert	Weld-In Kit, Eliminates Planetary Gear Set, With Instructions		FX-13-28K
	Bushing	Sun Gear, For Split Torque Planetary, 1.16" O.D., .41" High		FB-18-1
	Washer	Sun Gear, For Split Torque Planetary		FW-9-7
	Washer	Ring Gear, For Split Torque Planetary		FW-9-8
	Brake Shoe	For CLC	6	FX-23-222R
	Bushing	Ring Gear, Precision, For Split Torque Planetary, 3.77" I.D.		FB-18-2
		Clutch To Cover, For CLC, 2.48" I.D.		FB-18-5
16	Washer, Turbine	For ATX "Open" Late Model		FW-9-14
17	Plate	Hex, Pump Drive, OE Style		FX-22-21
		Hex, For "Open" Non-Lockup		FX-22-23
		Hex, For ATX With Centrifugal Lockup Clutch		FX-22-26
N.I.	Plate, Thrust	Ring Gear, Ext. Spline, (Split Torque Planetary), 4.00" O.D.		FX-27-5
18	Cover, Front			
19	Stud	M10 x 1.0, 14mm Long Under Head, "T" Head	4	FX-10-13
20	Studcap™		4	MHC-STD
N.I.	Plug, Drain	For Split Torque Planetary		TX-11
21	Nut	M10 × 1, .34" High	4	FX-10-17

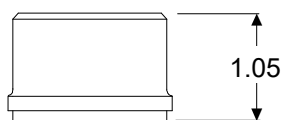
***NOTE:** **FX-13-18**  **FX-22-24**  **FX-13-28K** (Weld-In Kit, Eliminates Planetary Gear Set, With Instructions)

FORD AX4S / AX4N

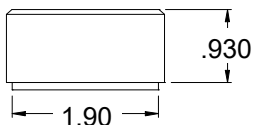


ILL. # 3

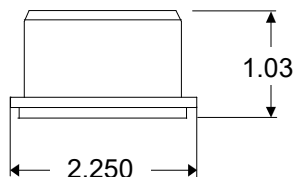
IMPELLER HUBS, 1.999" DIA.



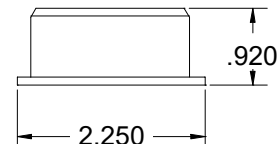
FH-1-13G



FH-1-13AG



FH-1-13FLG



FH-1-33FLG

Suffix Code: No Suffix-Unfinished, "G" or "FLG"- Finish Ground, "RC"- Hardness 32-36

ILL. # 2

BUSHING

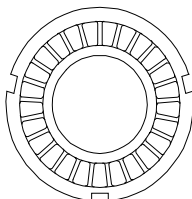


FB-18-4

O.D. 1.78"
I.D. 1.65"
Thick. .51"

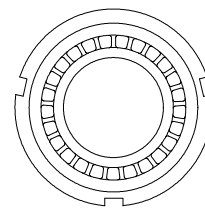
ILL. # 5

STATOR CAP & BEARING ADAPTER



FW-4-9

O.D. 3.35"
I.D. 1.75"
Thick. .73"

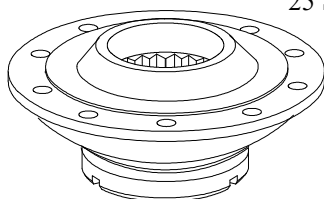


FW-4-25

Use With **SW-2-12** Bearing

ILL. # 12

TURBINE HUB

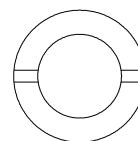


FX-13-32HT

O.D. 3.80"
Height 1.85"
25 Spline

ILL. # 16

TURBINE WASHER



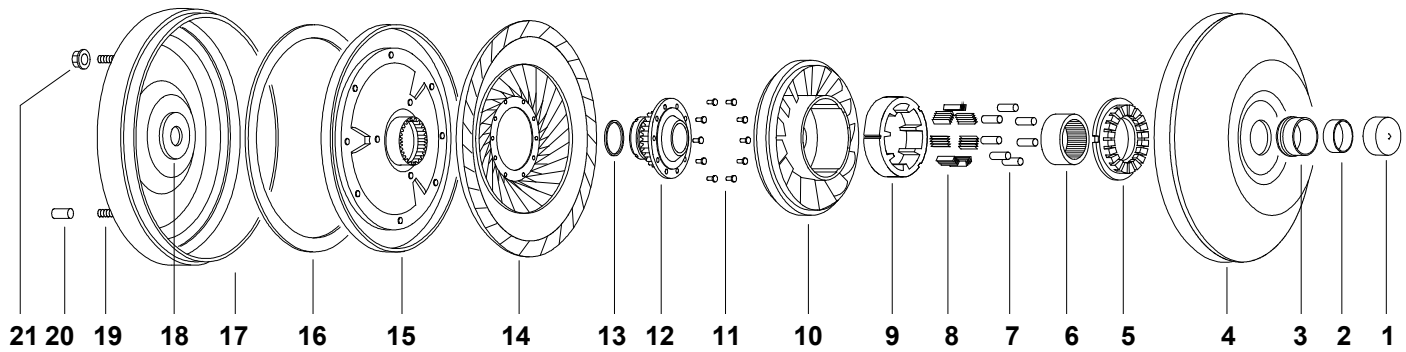
FW-9-17
FW-9-17B

O.D. 2.63"
I.D. 1.54"
Thick. .06"

FORD AX4S / AX4N

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Red, For 2" Dia. Hubs		MHC-R
2	Bushing, Hub	Precision, 1.78" O.D., .51" High		FB-18-4
		Unfinished		FB-18-4X
3	Hub, Impeller	Standard		FH-1-13G
		Butt Style		FH-1-13AG
		Flanged		FH-1-13FLG
		Flanged		FH-1-33FLG
		Flanged, 1.421" Assembled Height, 2.38" Flanged O.D.		FH-1-40FLG
		Flanged, 1.421" Assembled Height, 3.00" Flanged O.D.		FH-1-41FLG
4	Impeller			
5	Cap, Stator	Phenolic, E6SP-7937AA, E9DP-7937AA		FW-4-9
	Adapter, Bearing	Use With SW-2-12 Bearing		FW-4-25
6	Race, Inner	32 Spline, 2.1" O.D., .79" High		FX-14-8
7	Roller	.31" O.D., .71" Long	7	FR-7-2
8	Spring, Accordion	.73" Wide	7	FS-6-8
9	Cam	Outer Race, 3.35" O.D., .80" High		FX-15-8
10	Stator	Plastic, F1DP-7934BA		FX-5-1P
11	Rivet	.23" Shank Dia.	12	FX-12LS FX-12L
12	Turbine Hub	25 Spline		FX-13-32HT
13	Seal	1.55" O.D., .09" Thick, Yellow With Green Speckles		FO-25-11
		Scarf Cut, 1.673" O.D., .096" Thick		FO-25-16
14	Turbine	10 1/4" Dia.		
15	Damper Assembly			
16	Washer, Turbine	Vespel		FW-9-17
		Bronze		FW-9-17B
17	Pressure Plate			
18	Lining	9" O.D., 7- 7/8" I.D., .045" Thick, Grooved	2	FX-23-29M*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
19	Plate, Clutch	6 Lugs, AX4N, Double Lining		FX-23-32
		4 Lugs, AX4S, Double Lining		FX-23-31
20	Plate	Pump Drive, 18 Spline .16" Thick		FX-22-22
	Plate	Pump Drive, 18 Spline .24" Thick		FX-22-30
21	Cover, Front			
22	Stud	M10 x 1.0, 14mm Long Under Head, "T" Head	4	FX-10-13
23	Studcap™		4	MHS-STD
24	Nut	M10 × .34" High	4	FX-10-17

FORD AXOD / AXODE

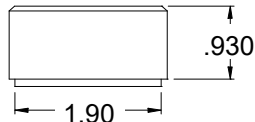


ILL. # 3

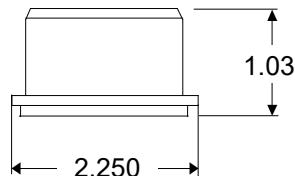
IMPELLER HUBS, 1.999" DIA.



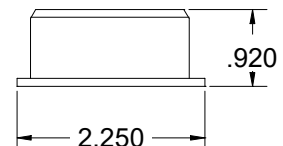
FH-1-13G



FH-1-13AG



FH-1-13FLG

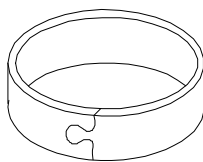


FH-1-33FLG

Suffix Code: No Suffix-Unfinished, "G" or "FLG"- Finish Ground, "RC"- Hardness Rc 32-36

ILL. # 2

BUSHING

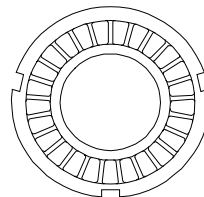


FB-18-4

O.D. 1.78"
I.D. 1.66"
Thick. .51"

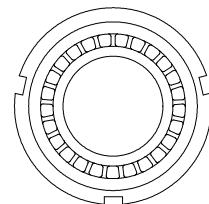
ILL. # 5

STATOR CAP & BEARING ADAPTER



FW-4-9

O.D. 3.35"
I.D. 1.75"
Thick .73"

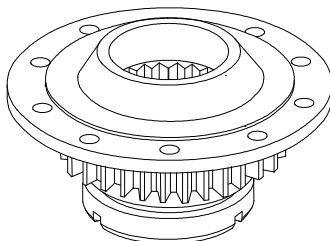


FW-4-25

Use With **SW-2-12** Bearing

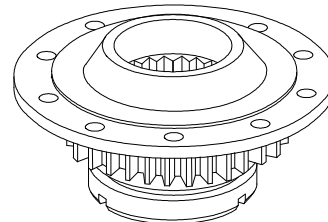
ILL. # 12

TURBINE HUBS



FX-13-14HT

O.D. 3.80"
23 Int. Spline
44 Ext.Spline



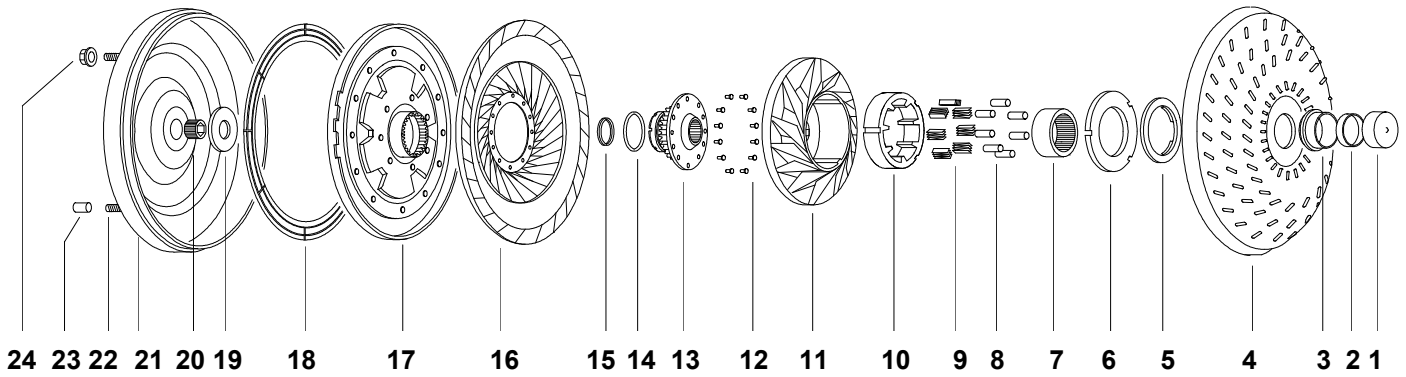
FX-13-31HT

O.D. 3.80"
25 Int. Spline
44 Ext.Spline

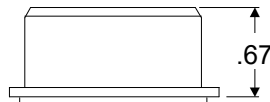
FORD AXOD / AXODE

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Red, For 2" Dia. Hubs		MHC-R
2	Bushing, Hub	Precision, 1.78" O.D., .51" High		FB-18-4
		Unfinished		FB-18-4X
3	Hub, Impeller	Standard		FH-1-13G
		Butt Style		FH-1-13AG
		Flanged		FH-1-13FLG
		Flanged		FH-1-33FLG
4	Impeller			
5	Cap, Stator	Phenolic, E6SP-7937AA, E9DP-7937AA		FW-4-9
	Adapter, Bearing	Use With SW-2-12 Bearing		FW-4-25
6	Race, Inner	2.1" x .79", 32 Spline		FX-14-8
7	Roller	.31" x .71" Long	7	FR-7-2
8	Spring, Accordion	.73" Wide	7	FS-6-8
9	Cam	Outer Race, 3.35" x .80"		FX-15-8
10	Stator			
11	Rivet	.310" Long, Tubular	10	FX-12
		.385" Long, Tubular	10	FX-12L
12	Turbine Hub	23 Spline, AXOD		FX-13-14HT
		25 Spline, AXODE		FX-13-31HT
13	O-Ring	Fluorocarbon, For 23 Spline Turbine Hub (1-3/16" x 1/8")		FO-25-4
		Fluorocarbon, For 25 Spline Turbine Hub (1-1/4" x 3/32")		FO-25-7
		Fluorocarbon, Oversized (1.237" x 0.105")		FO-25-7X
14	Turbine	10 1/4" Dia.		
15	Lockup Clutch	3.0 Liter (9-3/4" O.D.)		FX-23-5
		3.8 Liter (10-1/4" O.D.)		FX-23-9
16	Lining	9-1/4" O.D., 8-1/8" I.D., .045" Thick, 3.0 Liter		FX-23-6
		9-3/4" O.D., 8-1/4" I.D., .045" Thick, 3.8 Liter		YX-23-3
		9-11/16" O.D., 8-1/4" I.D., .045" Thick (Alternate)		FX-23-19
		9-5/8" O.D., 8-1/16" I.D., .045" Thick, Modulated (Grooved)		FX-23-25M*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
	Ring, Floating	10 -11/32" O.D., 7" I.D., .045" Thick		FX-23-7
17	Cover, Front			
18	Plate	Pump Drive, 18 Spline		FX-22-22
	Plate	Pump Drive, 18 Spline .24" Thick		FX-22-30
19	Stud	Threaded, Metric, Round Head	4	FX-10-12
		M10 x 1.0, 14mm Long Under Head, "T" Head	4	FX-10-13
20	Studcap™	Plastic Stud Protector	4	MHC-STD
21	Nut	M10 x .34" High	4	FX-10-17

FORD CD4E



ILL. #3 IMPELLER HUB, 2.140" DIA.

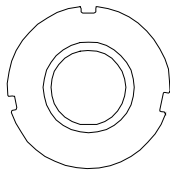


FH-1-20G

Suffix Code: **No Suffix - Unfinished**, "G" - Finish Ground, "RC" - Hardness Rc 32-36

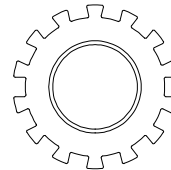
ILL. #6

BEARING ADAPTERS



FW-4-23

O.D. 3.35"
I.D. 1.66"
Thick. .18"

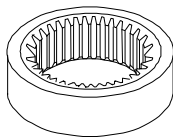


FW-4-21K

ILL. #7

INNER RACES

O.D. 2.10"
32 Spline

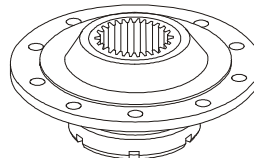


FX-14-8, Height .79"
FX-14-9, Height .62"

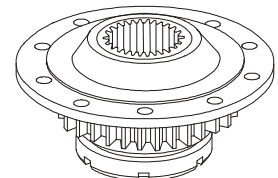
ILL. #13

TURBINE HUBS

O.D. 3.38"



FX-13-21HT
30 Spline

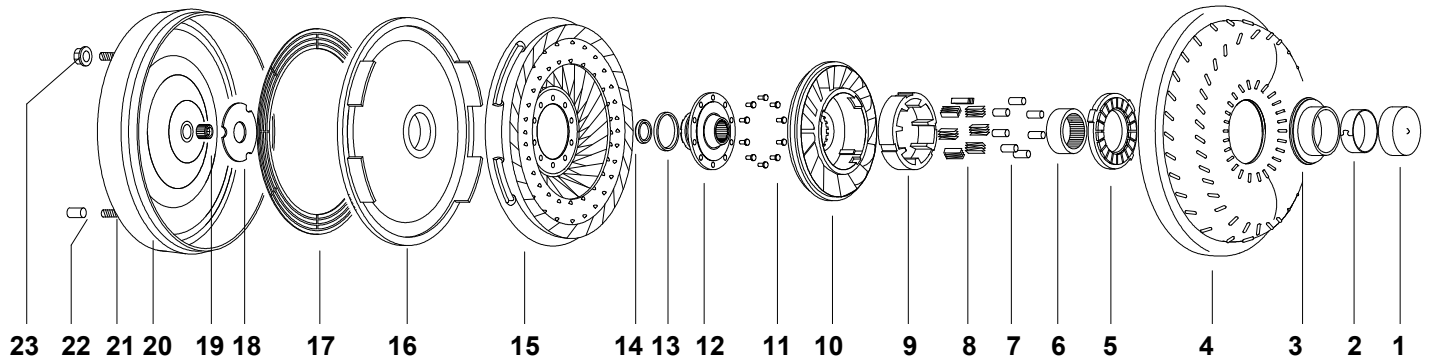


FX-13-22HT
30 Int. Spline
54 Ext. Spline

FORD CD4E

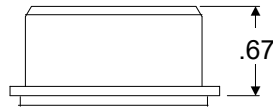
ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Brown, For 2.14" Dia. Hubs		MHC-BR
2	Bushing, Hub	1.77" I.D., 1.89" O.D., .51" Wide		FB-18-6
3	Hub, Impeller	Flanged		FH-1-20G
4	Impeller			
5	Bearing	See Below		FW-2-5
6	Adapter, Bearing	Steel, Includes Bearing TW-2-4 Aluminum, Use FW-4-21K		FW-4-21K FW-4-23
7	Race, Inner	2.10" O.D., .79" High, 32 Spline		FX-14-8
8	Roller	.31" x .56" .31" x .70"	7 7	SR-7 FR-7-2
9	Spring, Accordion	.565" High, (Sub. TS-6) .730" High, (Sub. FS-6-8)	7 7	FS-6-10 FS-6-11
10	Cam, Outer	3.35" x .63" 3.35" x .80"		FX-15-9 FX-15-8
11	Stator	F3RP-7934-GA F3RP-7934-CA		FX-5-7 FX-5-8
12	Rivet	.214" O.D., .385" Long, Tubular	10	FX-12L
13	Turbine Hub	30 Spline 30 Int. & 54 Ext. Spline, 3.38" O.D.		FX-13-21HT FX-13-22HT
14	O-Ring	Fluorocarbon, 1-5/8" O.D., 3/32" Thick Oversized, Machine Clutch Bore To 1.800/1.802		FO-25-8 FO-25-8A
	Ring	PTFE for CD4E Late, Red		FO-25-13
15	Seal, Metal Clad	Fluorocarbon, 1.02" x 0.73"		FO-25-9
16	Turbine	9 1/4" Dia. 10 1/4" Dia.		
17	Lockup Clutch	9-3/8" Dia., Unlined 10" Dia., Unlined		FX-23-108 FX-23-208
18	Lining	9-1/8" O.D., 8-1/16" I.D., .045" Thick, Grooved 9-5/8" O.D., 8-1/16" I.D., .045" Thick, Grooved		FX-23-24M* FX-23-25M*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
19	Wear Plate	Cover		FX-22-28
20	Pump Drive	Hex		FX-22-25
21	Cover, Front			
22	Stud	M10 x 1.0, 14mm Long Under Head, "T" Head	4	FX-10-13
23	Studcap™	Plastic Stud Protector	4	MHC-STD
24	Nut	M10 x 1, .34" High	4	FX-10-17

FORD CD4E 9-1/4" **ESCAPE, TRIBUTE 3.0L & 2.3L**



ILL. #3

IMPELLER HUB, 2.140" DIA.

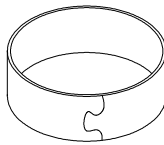


FH-1-20G

Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. #2

BUSHING

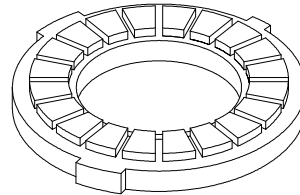


FB-18-6

O.D. 1.89"
I.D. 1.77"
Thick. .51"

ILL. #5

STATOR CAP

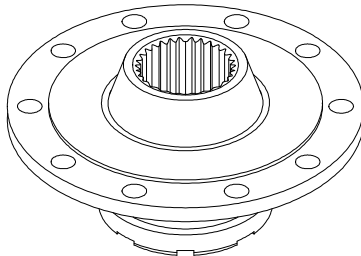


FW-4-28

O.D. 3.35"
I.D. 1.87"
Thick. .33"

ILL. #12

TURBINE HUB

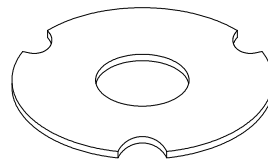


FX-13-39HT

O.D. 3.38"
Height 1.37"
30 Spline

ILL. #18

PLATE



FX-22-28

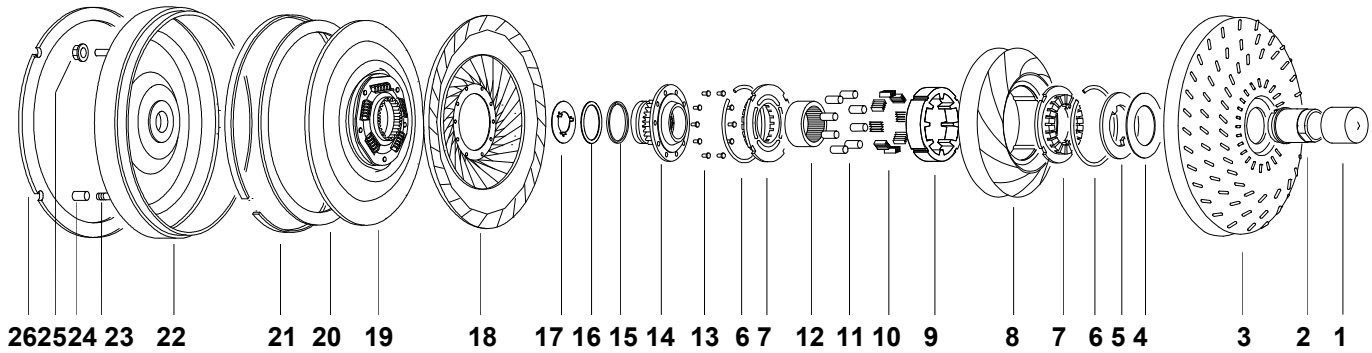
O.D. 2.56"
I.D. .92"
Thick. .065"

FORD CD4E 9-1/4"

ESCAPE, TRIBUTE 3.0L & 2.3L

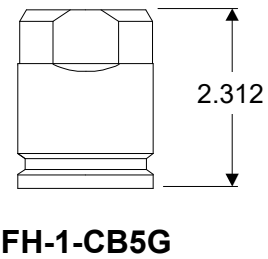
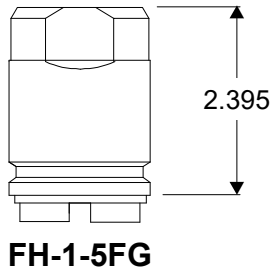
ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap®	Brown, For 2.14" Dia. Hubs	MHC-BR
2	Bushing	1.77" I.D., 1.89" O.D., .51" Wide	FB-18-6
3	Hub, Impeller		FH-1-20G
4	Impeller		
5	Stator Cap	Phenolic, 3 Tab, 3.35" O.D., YL8-7937-AB	FW-4-28
		Phenolic, 3 Slots, 3.34" O.D., F3RP-7937-CA1	FW-4-36
6	Race, Inner	2.10" O.D., .62" High, 32 Spline	FX-14-9
7	Roller	.31" O.D., .56" Long	7 SR-7
8	Spring, Accordion	.56" High, (Sub. TS-6)	7 FS-6-10
9	Cam, Outer	3.35" O.D., .63" High	
10	Stator	YL8P-7934-BA, 24 Blade, 6.12" O.D.	
11	Rivet	.214" Shank Dia., .310" Long, Tubular	10 FX-12
		.214" Shank Dia., .385" Long, Tubular	FX-12L
		.214" Shank Dia., .385" Long, Solid	FX-12LS
		.20" Shank Dia., .52" Long, for FX-13-46HT	12 SX-12-14
12	Turbine Hub	30 Spline 3.38" O.D., 3L8P-7926-AA	FX-13-39HT
		30 Spline 4.65" O.D., 2.3L Escape, 2005-up	FX-13-46HT
13	Seal Ring	PTFE, Red, 1.68" O.D., .13" Thick	FO-25-13
		Scarf Cut, 1.673" O.D., .096" Thick	FO-25-16
14	Seal, Metal Clad	Fluorocarbon, 1.03" O.D., .74" I.D.	FO-25-9
15	Turbine & Damper	9-1/4" Dia.	
16	Piston	4 Lugs	
17	Lining	9-5/8" O.D., 8-1/16" I.D., .045" Thick, Grooved	FX-23-25M*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan			
18	Plate	Steel, 2.56 O.D., .92 I.D., .065 Thick	FX-22-28
19	Insert	Knurled, 8mm Internal Hex	FX-22-25
20	Cover, Front		
21	Stud	M10 x 1.0, 14mm Long Under Head, "T" Head	4 FX-10-13
22	Studcap™	Red Plastic	4 MHC-STD
23	Nut	M10 x 1, .34" High	4 FX-10-17

FORD E40D



ILL. # 2

IMPELLER HUBS, 1.996" DIA.

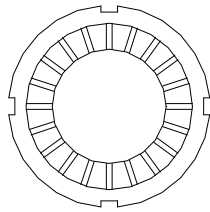


Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC" - Hardness Rc 32-36

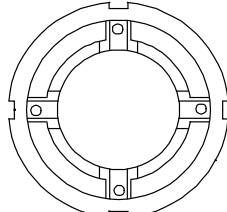
ILL. # 7

STATOR CAPS & BEARING ADAPTERS

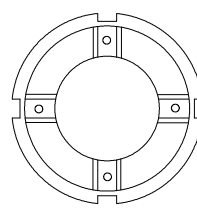
O.D. 3.60" I.D. 2.00"



FW-4-15 .59" Thick
FW-4-19 .69" Thick



FW-4-14 .66" Thick
FW-4-18 .56" Thick

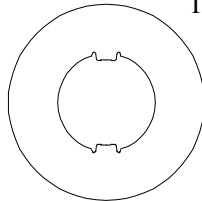


FW-4-27, .50" Thick

ILL. # 5

STEEL WASHERS

O.D. 3.12"
I.D. 1.87"

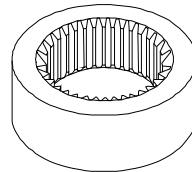


FW-2-1 .09" Thick
FW-2-1A .11" Thick

ILL. # 12

INNER RACES

O.D. 2.37"
32 Spline



FX-14-1 .98" High
FX-14-5 .78" High

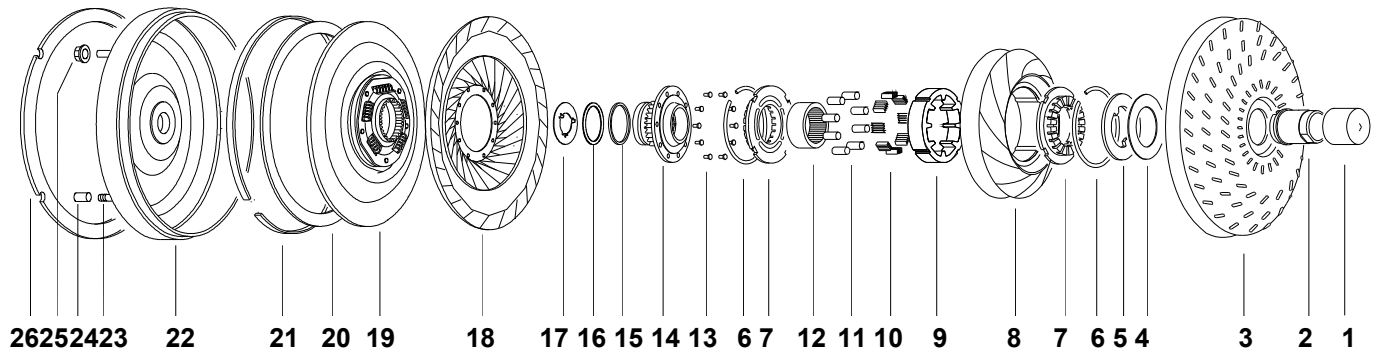
FORD E4OD, Continued

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Red, For 2.00" Dia. Hubs		MHC-R
2	Hub, Impeller	Thru Mount, 2.395" High		FH-1-5FG
		Butt Mount, 2.31" High		FH-1-CB5G
3	Impeller			
4	Shim, Selective	.01" Thick		MW-2-10
		.02" Thick		MW-2-20
		.03" Thick		MW-2-30
5	Washer, Steel	.09", Thick, Standard		FW-2-1
		.11", Thick, Oversize		FW-2-1A
6	Ring, Snap		2	FX-20-11
7	Cap, Stator	.60" Thick, Phenolic, OE Part, <i>OE #F5TP-7937AB</i>	2	FW-4-15
		.68" Thick, Phenolic, OE Part, <i>OE #F7AP-7937AA</i>	2	FW-4-19
		<i>Non-OE Substitutes Are Not Recommended</i>		
	Adapter, Bearing	To Adapt SW-2-12 Bearing, (For .900" Rollers)		FW-4-18*
		To Adapt SW-2-12 Bearing, (For .700" Rollers)		FW-4-14*
		To Adapt TW-2-4 Bearing, (For .900" Rollers), OE Design Turbine Hubs Require Modification		FW-4-27
8	Stator	<i>OE #E0AP-7934AA</i>		FX-5L
9	Cam	3.60" x .90"		FX-15-4
		3.60" x .80"		FX-15-6
10	Spring	.93" Wide	8	FS-6-2
		.73" Wide	8	FS-6-8
11	Roller	.31" Dia., .90" Long	8	FR-7
		.31" Dia., .70" Long	8	FR-7-2
12	Race, Inner	2.38" O.D., .98" High		FX-14-1
		2.38" O.D., .79" High		FX-14-5
13	Rivet	Semi-Tubular, Not Recommended, See Below	10	FX-12L
		Solid, Recommended To Eliminate Loosening	10	FX-12LS
		Solid, .224" Shank Dia., .44" Long		SX-12-10
14	Turbine Hub	OE Style, 31 Spline		FX-13-19HT
		Bearing Type, Use 35402B or 65405 (8628202)		FX-13-19BHT
		Kit, Bearing Type, Includes Bearing 35402B		FX-13-19BKHT
		Phenolic Washer Type, Use PW-9-3E		FX-13-19CHT
		Steel, Adaptable To Bronze Washers FW-9-15A/F		FX-13-19SHT
		Turbine Hub, Kit to adapt C5, C6, AOD, E4OD		FX-13-45HTK**

* - Impeller side only

** See Page 6-52

FORD E40D, Continued



ILL. #14

TURBINE HUBS

FX-13-19HT
OE Design

FX-13-19BHT
Multi Bearing design
Kit: **FX-13-19BK**
Includes Bearing **35402B**

FX-13-19CHT
Kit: **FX-13-19CK**
Includes **PW-9-3E**
Phenolic Washer

FX-13-19SHT
Use With Washer
FW-9-15A Thru **F**

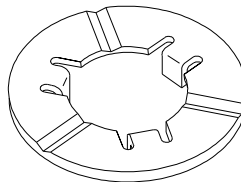
Use **35402B** or **65405** Bearing

O.D. 3.88"
31 Spline Int.
68 Spline Ext.

Shoulder Compatible With Both
SW-2-12 & TW-2-4 Bearings

ILL. #17

TURBINE WASHERS



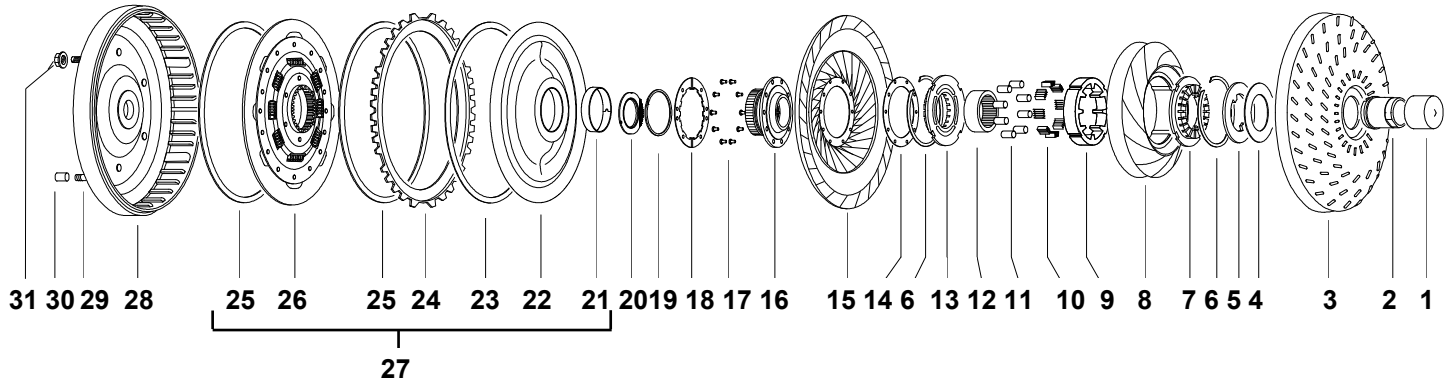
O.D. 2.36"
I.D. 1.15"
Lug Width .28"

Part #	FW-9-15A	FW-9-15B	FW-9-15C	FW-9-15D	FW-9-15E	FW-9-15F
Thickness	.062	.070	.080	.088	.098	.108

FORD E40D, Continued

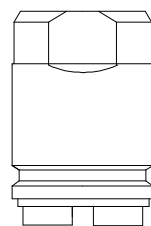
ILL.#		DESCRIPTION	QTY	PART #
15	O-Ring	Fluorocarbon, 2.39" Dia.		FO-25-5V
16	Shim	Steel, 2.58" O.D., 2.40" I.D., .02" Thick Adjusts Clearance of Clutch To Turbine. Eliminates Contact (25 Pieces Per Bag, With Instructions)		FW-9-18
17	Washer, Turbine, Selective	3 Lugs, Bronze, .06" Thick 3 Lugs, Bronze, .07" Thick 3 Lugs, Bronze, .08" Thick 3 Lugs, Bronze, .09" Thick 3 Lugs, Bronze, .10" Thick 3 Lugs, Bronze, .11" Thick Note: Only .28" Wide Lug Design Recommended		FW-9-15A FW-9-15B FW-9-15C FW-9-15D FW-9-15E FW-9-15F
18	Turbine	12" Dia.		
19	Clutch Assembly	Gasoline, Single Spring, First Design LUK Design, Not Suited For Power Stroke Engine. (LAD-112) LUK Design, 5 Double Springs, Heavy Duty, (LAD-115) Diesel, Double Spring, First Design (Single Plate)		FX-23-11N FX-23-43 FX-23-20 FX-23-21
N.I.	Repair Sleeve	Multi-Clutch, Diesel, Uses 3 FX-23-23 Linings		FX-23-64
N.I.	Reinforcement Ring	3.10" O.D., 2.40" I.D., .65" Thick		FX-23-61
20	Lining	11-1/2" O.D., 10" I.D., .045" Thick 11-1/2" O.D., 10" I.D., .070" Thick 11-5/8" O.D., 10" I.D., .045" Thick, Full size, Same O.D. As Piston 11-5/8" O.D., 10" I.D., .070" Thick 11-3/8" O.D., 10", .045" Thick, O.E. Size 11-3/8" O.D., 10", .070" Thick, O.E. Size 11-3/16" O.D., 10-3/8" I.D., .045" Thick, (Multi-Clutch)	3	FX-23-10K* FX-23-10X70K* FX-23-12K* FX-23-12X70K* FX-23-27K* FX-23-27X70K* FX-23-23K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
21	Salvage Ring™	Core Saver™, Restores Engagement Step		FX-21-1005
22	Cover, Front Heavy Duty	4 Short Studs, Gas 6 Short Studs, Gas & Diesel 4 Long Studs, Diesel 4 Long Studs, Gas & Diesel, Billet 4 Long Studs, Diesel, Billet, Splined 6 Long Studs, Diesel		FX-22-4G FX-22-6G FX-22-4D FX-22-35 FX-22-36 FX-22-6D
23	Stud	3/8-24 (1/2" Long Under Head), Round Head Diesel, Dog Point (3/4" Long Under Head), Round Head 3/8-24 (1/2" Long Under Head) T-Head	4 4-6	FX-10-3 FX-10-11 FX-10-14
24	Studcap™	Plastic Stud Protector	4	MHC-STD
N.I.	Plug, Drain	1/8-27 NPT, Steel 1/8-27 NPT, With PTFE Wrap		FX-11 FX-11A
25	Nut	3/8-24, .34" High, Special Locking	4-6	FX-10-7
26	Beefplate™	Weld To Cover To Reinforce Stud Area, 12-1/2" Dia. Same, But 4 Piece Segment Kit 3 Piece Kit For 6 Stud Covers		FX-22-9 FX-22-10K FX-22-11K

FORD 4R100, 4 Speed, RWD / 4x4

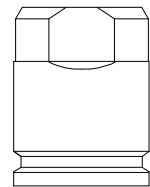


ILL. # 2

IMPELLER HUBS, 1.996" DIA.



FH-1-5FG

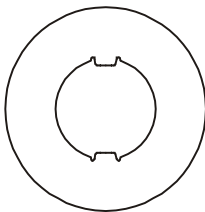


FH-1-CB5G

Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC" - Hardness Rc 32-36

ILL. # 5

STEEL WASHERS



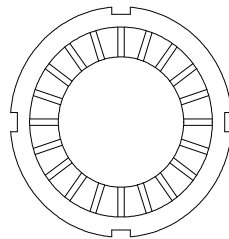
O.D. 3.12"
I.D. 1.87"

FW-2-1 .09" Thick

FW-2-1A .11" Thick

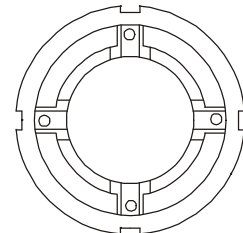
ILL. # 7

STATOR CAP & BEARING ADAPTER



FW-4-15

O.D. 3.60"
I.D. 2.00"
Thick. .59"

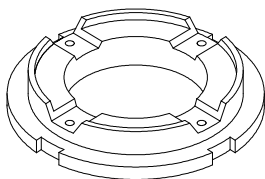


FW-4-18

O.D. 3.60"
I.D. 2.00"
Thick. .56"

ILL. # 13

BEARING ADAPTER

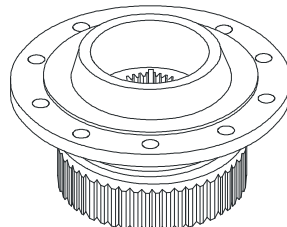


O.D. 3.60"
I.D. 2.00"
Height 0.498"

FW-4-31, Aluminum
(For **TW-2-4** Bearing)

ILL. #16

TURBINE HUB

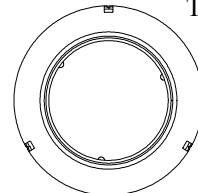


FX-13-34HT
FX-13-35HT (w/o Seal Groove)
FX-13-37HT

O.D. 4.05"
31 Int.Spline,
68 Ext.Spline

ILL. # 20

BEARING



O.D. 2.35"
I.D. 1.56"
Thick. .15"

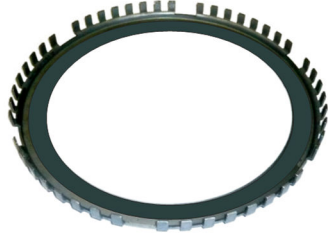
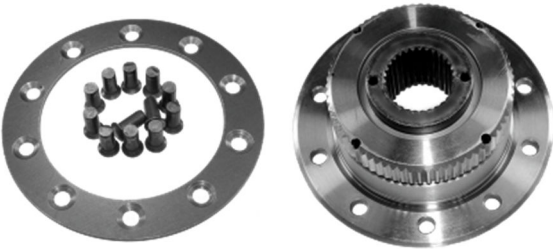
FW-2-6

FORD 4R100, 4 Speed, RWD / 4x4

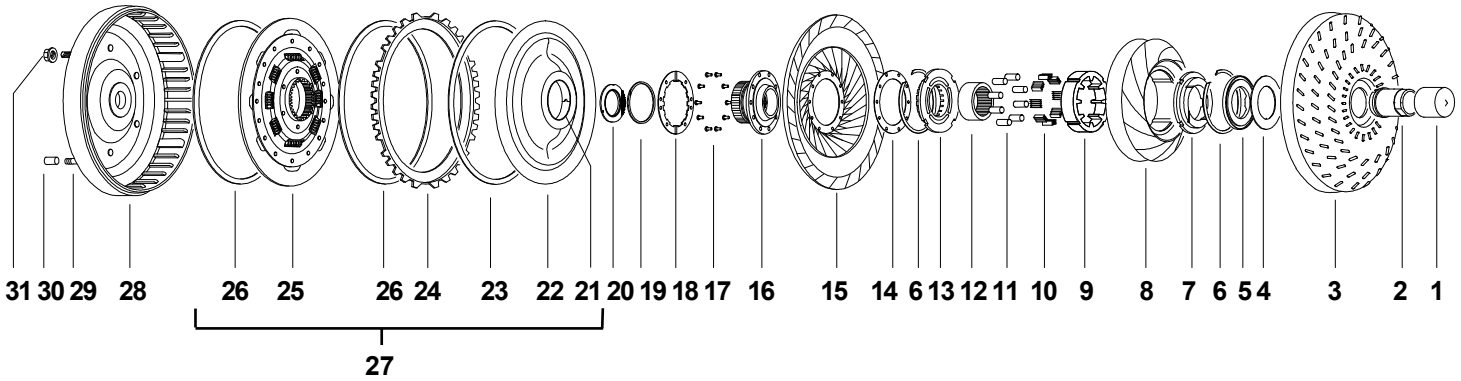
ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Red, For 2.00" Dia. Hubs		MHC-R
2	Hub, Impeller Thru Mount, 2.395" High Butt Mount, 2.31" High		FH-1-5FG FH-1-CB5G
3	Impeller		
4	Shim, Selective .01" Thick .02" Thick .03" Thick		MW-2-10 MW-2-20 MW-2-30
5	Washer, Steel .09" Standard .11" Oversized		FW-2-1 FW-2-1A
6	Ring, Snap	2	FX-20-11
7	Cap, Stator .60" Thick, Phenolic, <i>OE #F5TP-7937AB</i> Bearing Adapter To Adapt SW-2-12 Bearing		FW-4-15 FW-4-18
8	Stator <i>OE #E0AP-7934AA</i>		FX-5L
9	Cam 3.60" O.D., .90" High		FX-15-4
10	Spring .93" Wide	8	FS-6-2
11	Roller .90" Long, .31" Dia.	8	FR-7
12	Race, Inner 2.38" O.D., .98" High, 32 Tooth		FX-14-1
13	Cap, Stator .60" Thick, Phenolic, <i>OE #F5TP-7937AB</i> Bearing Adapter To Adapt TW-2-4 Bearing		FW-4-15 FW-4-31
14	Plate Reinforcement, Steel		FX-8-13
15	Turbine		
16	Turbine Hub 31 Int. Spline, 68 Ext. Spline, Use w/ FW-2-6 or 35402B Bearing, w/Seal Groove 31 Int. Spline, 68 Ext. Spline, w/o Seal Groove, PTO 31 Int. Spline, 68 Ext. Spline, to Convert to Single Plate Clutch and to be Used w/ FX-23-11N , FX-23-43 Clutches and FO-25-5 O-Ring. Turbine Hub Kit to adapt C5, C6, AOD, E4OD		FX-13-34HT FX-13-35HT FX-13-37HT FX-13-45HTK**
17	Rivet Solid, .220" Shank Dia., .44" Long Solid, .224" Shank Dia., .44" Long	10	FX-12-6 SX-12-10
18	Plate 12 Int. Teeth, 3.99" O.D., 2.71" I.D., .06" Thick, Phenolic		FW-9-19
19	Ring, Seal 2.75" O.D., 2.56" I.D., .10" Thick		FO-25-12
20	Bearing Enclosed, 2.35" O.D., 1.56" I.D., .15" Thick Enclosed w/Lip		FW-2-6 FW-2-8
21	Bushing 2.835" Housing Bore Dia., 2.708" Shaft dia.		FB-18-7
22	Piston Plate With FB-18-7 Bushing		FX-23-37
23	Lining 10-27/32" O.D., 9-13/16" I.D., .045" Thick, for Drive Ring		FX-23-49K
	<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>		
24	Drive Ring 54 Teeth / 6 Missing, Uses 1 Lining FX-23-49		FX-23-46**
25	Lining 11-9/64" O.D., 9-7/8" I.D., .045" Thick, for Damper 11.125" O.D., 9.700" I.D., .045" Thick, for Damper	2	FX-23-52K FX-23-86K
	<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>		
26	Damper Assembly 8 Springs, Late Design, 54 Teeth (6 Missing), LAD 116		FX-23-42
27	Lockup Clutch, Kit Multi Plate w/Bushing, Contains Items #21, 22, 23, 24, 25, 26. Use With FX-13-35 Turbine Hub		FX-23-45A**
28	Cover, Front 6 Studs, Stamped, Grob Design, OE 6 Short Studs, Billet, Grob Design, Gas and Diesel 4 Long Studs, Billet, Grob Design, Gas Only		FX-22-27 FX-22-29 FX-22-36
29	Stud 3/8-24 (3/4" Long Under Head)	6	FX-10-3
30	Studcap™ Plastic Stud Protector	6	MHC-STD
31	Nut 3/8-24, .34" High, Special Locking	6	FX-10-7

** See Page 6-52 for Alternative Design

FORD 4R100, 4 Speed, RWD / 4x4
For gasoline applications only, not for diesel
(alternative design)

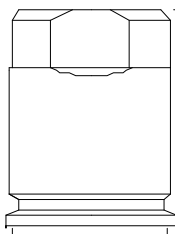
ILL.	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
24	Drive Ring, Up-bent Teeth W/Lining p/n FX-23-49 . The new patented drive ring has an advantage of salvaging the front cover with spline, damaged by original drive ring.	O.D. 12.144" I.D. 9.800" Height 0.895" 54 Teeth (6 Missing)		FX-23-78
27	Multi-Plate Clutch, Kit Includes: Piston Plate FX-23-37 With Bushing FB-18-7 Drive Ring FX-23-78 Damper Assembly FX-23-42			FX-23-72
16	Turbine Hub Kit Adapts Ford C5, C6, AOD and E4OD turbine to the 4R100			FX-13-45HTK**

FORD 5R110W, 6 STUDS, EARLY

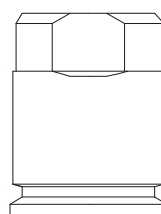


ILL. #2

IMPELLER HUBS, 1.996" DIA.



FH-1-5FG



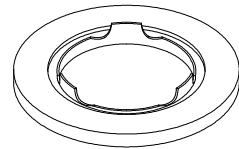
FH-1-CB5G

Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. # 5

BEARING

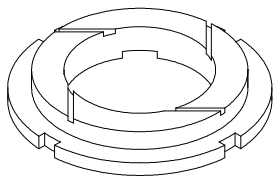
O.D. 3.12"
I.D. 1.87"
Thick. .207"



FW-2-10

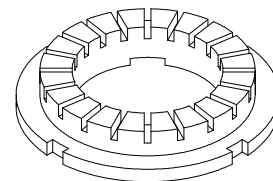
ILL. # 7,13

STATOR CAPS



FW-4-34

O.D. 3.59"
I.D. 2.00"
Thick. .47"
Steel

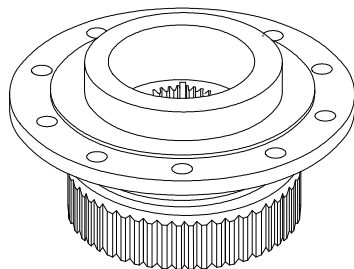


FW-4-15

O.D. 3.59"
I.D. 2.00"
Thick. .59"
Phenolic

ILL. #16

TURBINE HUB



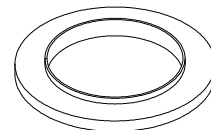
FX-13-35HT

O.D. 4.05"
31 Int. Spline,
68 Ext. Spline

ILL. # 19

BEARING

O.D. 2.29"
I.D. 1.54"
Thick. .14"



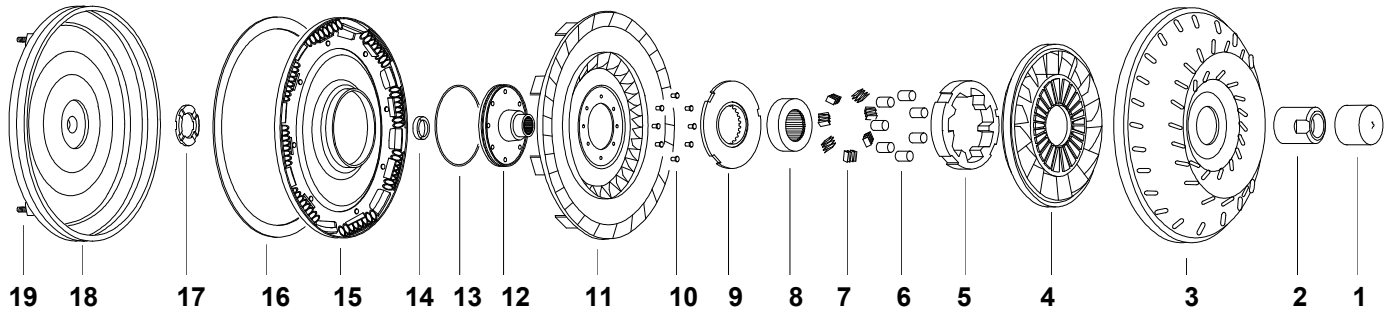
FW-2-8

FORD 5R110W, 6 STUDS, EARLY

LL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Red, For 2.00" Dia. Hubs		MHC-R
2	Hub, Impeller	Thru Mount, 2.395" High Butt Mount, 2.31" High		FH-1-5FG FH-1-CB5G
3	Impeller			
4	Shim, Selective	.01" Thick .02" Thick .03" Thick		MW-2-10 MW-2-20 MW-2-30
5	Bearing	Enclosed, Early Semi-Enclosed, Late		FW-2-10 FW-2-11
6	Ring, Snap		2	FX-20-11
7	Cap, Stator	Steel		FW-4-34
8	Stator	<i>OE #E0AP-7934AA</i>		FX-5L
9	Cam	3.60" O.D., .90" High		FX-15-4
10	Spring	.93" Wide	8	FS-6-2
11	Roller	.90" Long, .31" Dia.	8	FR-7
12	Race, Inner	2.38" O.D., .98" High, 32 Tooth		FX-14-1
13	Cap, Stator	.60" Thick, Phenolic, <i>OE #F5TP-7937AB</i>		FW-4-15
	Bearing Adapter	To Adapt TW-2-4 Bearing, Steel		FW-4-34
14	Plate	Reinforcement, Steel		FX-8-13
15	Turbine			
16	Turbine Hub	31 Int. Spline, 68 Ext. Spline, Use w/ FW-2-6 or 35402B Bearing, w/Seal Groove 31 Int. Spline, 68 Ext. Spline, w/o Seal Groove. 31 Int. Spline, 68 Ext. Spline, to Convert to Single Plate Clutch and to be Used w/ FX-23-11N , FX-23-43 Clutches and FO-25-5 O-Ring		FX-13-34HT FX-13-35HT FX-13-37HT
17	Rivet	Solid, .220" Shank Dia., .44" Long Solid, .283" Shank Dia., .432" Long	10 10	FX-12-6 FX-12-10
18	Plate	12 Int. Teeth, 3.99" O.D., 2.71" I.D., .06" Thick, Phenolic		FW-9-19
19	Seal	For FX-13-34HT		FO-25-12
20	Bearing	Enclosed, 2.35" O.D., 1.56" I.D., .15" Thick Enclosed w/Lip		FW-2-6 FW-2-8
21	Bushing	2.835" Housing Bore Dia., 2.708" Shaft dia.		FB-18-7
22	Piston Plate	With FB-18-7 Bushing		FX-23-37
23	Lining	10-27/32" O.D., 9-13/16" I.D., .045" Thick, for Drive Ring		FX-23-49K
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
24	Drive Ring	54 Teeth / 6 Missing, Uses 1 Lining FX-23-49		FX-23-46**
25	Damper Assembly	8 Springs		FX-23-42
26	Lining	11-9/64" O.D., 9-7/8" I.D., .045" Thick, for Damper	2	FX-23-52
	Lining	10.200" O.D., 8.960" I.D., .045" Thick. 5R110W 8-studs		FX-23-70M
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
27	Lockup Clutch, Kit	Multi Plate w/Bushing. Contains Items #21, 22, 23, 24, 25, 26. Use With FX-13-35 Turbine Hub. LAD 116		FX-23-42 FX-23-45A**
28	Cover, Front	Billet, 6 Short Studs, Grob Design Billet, 8 Studs, Grob Design		FX-22-37 FX-22-38
29	Stud	3/8-24 (3/4" Long Under Head)	6	FX-10-3
30	Studcap™	Plastic Stud Protector	6	MHC-STD
31	Nut	3/8-24, .34" High, Special Locking	6	FX-10-7

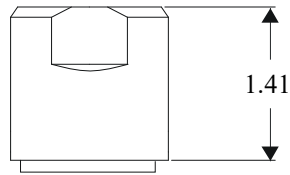
**** See Page 6-52 for Alternative Design**

FORD FOCUS FN



ILL. # 2

IMPELLER HUB, 1.573" DIA.

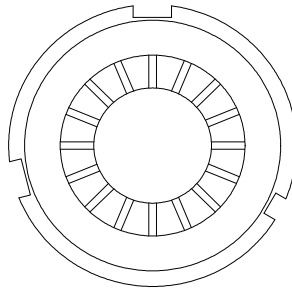


TH-1-36G

Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC" - Hardness Rc 32-36

ILL. # 9

STATOR CAP

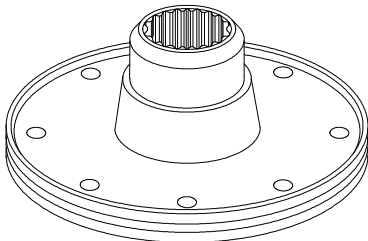


O.D. 3.35"
I.D. 1.37"
Thick. .45"

FW-4-29

ILL. # 12

TURBINE HUB

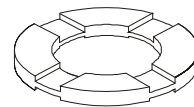


O.D. 3.49"
Spline 16

FX-13-36HT

ILL. # 17

TURBINE WASHER



O.D. 1.97"
I.D. 1.35"
Thick .24"

TW-9-17

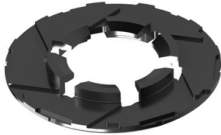
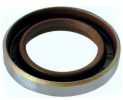
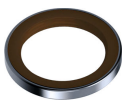
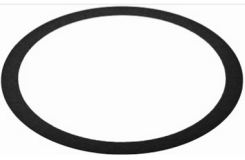
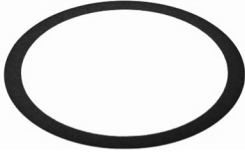
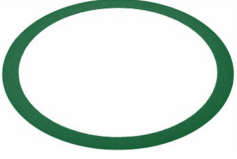
FORD FOCUS FN

ILL. #	DESCRIPTION		QTY.	PART #
1	Hubcap®	Green, For 1-1/2" Dia. Hubs		MHC-G
2	Hub, Impeller	1.573" Dia., 1.41" High		TH-1-36G
3	Impeller			
4	Stator	OE # 6A89030102		
5	Cam			
6	Roller	.312" Dia., .560" Long	7	SR-7
7	Spring, Accordion	.56" Wide, .28 High	7	FS-6-11
8	Race, Inner	38 Spline, 2.10" O.D., .69" High		FX-14-9
9	Cap, Stator	Phenolic, OE # 6A89030402		FW-4-29
10	Rivet	.224" Shank Dia. x .290" Long, Solid	8	TX-12-4
11	Turbine			
12	Turbine Hub	16 Spline, Heat Treated		FX-13-36HT
13	O-Ring	Fluorocarbon, 84.4mm I.D., 2.5mm Dia.		TO-25-14
14	Seal, Metal Clad	23mm x 15mm		TO-25-12
15	Lockup Clutch	8 Springs		
16	Lining	9.40" O.D., 8.40" I.D., .045" Thick		PX-23-11K*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
17	Turbine Washer	1.97" O.D., 1.35" I.D., .24" Thick, Phenolic		TW-9-17
18	Cover, Front			
19	Stud	M10x1, .40 Long	4	FX-10-20

FORD 6F35

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Green	For Hub Dia.: 1-1/2"/ 38.1mm		MHC-G
Hub, Impeller	Hub Mount: Flanged Hardened Steel Early	Journal Dia.: 1.562"/ 39.7mm Height: 2.230"/ 56.6mm Assembled Height: 2.062"/ 52.4mm Flange O.D.: 3.446"/ 87.5mm		FH-1-49FLG
Hub, Impeller	Hub Mount: Flanged Hardened Steel Late	Journal Dia.: 1.562"/ 39.7mm Height: 2.330"/ 59.2mm Assembled Height: 2.115"/ 53.7mm Flange O.D.: 3.720"/ 94.5mm		FH-1-50FLG
Bearing	Material: Hardened Steel, Enclosed, Turbine Side, Late, Use with SW-4-41 stator cap	Flange O.D.: 3.181"/ 80.8mm O.D.: 2.980"/ 75.7mm I.D.: 2.091"/ 53.3mm Thick.: 0.196"/ 5.0mm		SW-2-38
Bearing	Material: Hardened Steel, Enclosed, Impeller Side, Late	Flange O.D.: 3.333"/ 84.7mm O.D.: 3.126"/ 79.4mm I.D.: 2.134"/ 54.2mm Thick.: 0.213"/ 5.4mm		SW-2-37
Bearing	Material: Hardened Steel, Enclosed, Early, 2 Required	O.D.: 3.380"/ 85.9mm I.D.: 2.500"/ 63.5mm Thick.: .150"/ 3.8mm		SW-2-11
Accordion Spring	Material: Steel 10 Required	Height: 0.220"/ 5.6mm Width: 0.375"/ 9.5mm Folds: 3		SS-6-2
Roller	Material: Hardened Steel 10 Required	Length: .377"/ 9.6mm Dia.: .312"/ 7.9mm		SR-7-2
Stator Cap	Material: Steel. Early, 2 Tabs	O.D.: 3.740"/ 95.0mm I.D.: 1.650"/ 42.0mm Thick.: .079"/ 2.0mm		FW-4-40

FORD 6F35 (continued)

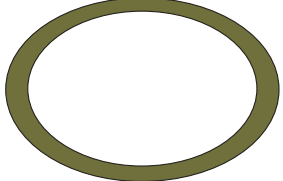
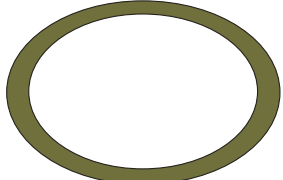
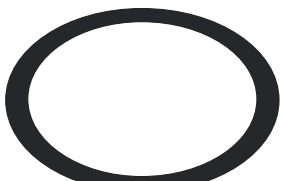
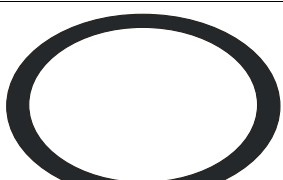
	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Stator Cap / Bearing Adapter	Material: Aluminum, Turbine side, For Units w/ Sprag, Use with SW-2-38 bearing	O.D.: 3.424"/ 87.0mm I.D.: 1.460"/ 37.1mm Thick.: .348"/ 8.8mm		SW-4-41
Seal	Material: PTFE, Scarf Cut.	O.D.: 1.673"/ 42.5mm Width: .130"/ 3.3mm Height: .096"/ 2.4mm		FO-25-16
Seal	Material: PTFE, Solid, Red.	O.D.: 1.677"/ 42.6mm Width: .129"/ 3.3mm Height: .094"/ 2.4mm		FO-25-13
Seal	Material: PTFE, Solid, White, Late, For 1.6L Engine	O.D.: 1.706"/ 43.3mm Width: 0.090"/ 2.3mm Height: 0.095"/ 2.4mm		FO-25-34
Seal	Material: PTFE, Scarf Cut, For 1.6L Engine	O.D.: 1.689"/ 42.9mm Width: 0.092"/ 2.3mm Height: 0.092"/ 2.3mm		JO-25-9
Metal Clad Seal	Material: Steel, Fluorocarbon. Late	Shaft: 0.531"/ 13.5mm Housing: 0.858" / 21.8mm		FO-25-26
Metal Clad Seal	Material: Steel, Fluorocarbon. Early	Shaft: 0.533"/ 13.5mm Housing: 0.788"/ 20.1mm		FO-25-25
Lining	Material: Woven Carbon Early	O.D.: 9.560"/ 242.8mm I.D.: 8.375"/ 212.7mm Thick.: .020"/ 0.5mm		FX-23-91WC
Lining	Material: Woven Carbon Late	O.D.: 9.440"/ 239.8mm I.D.: 8.200"/ 208.3mm Thick.: .020"/ 0.5mm		FX-23-92WC
Lining	Material: Kevlar®	O.D.: 9.625"/ 244.5mm I.D.: 8.375"/ 212.7mm Thick.: .045"/ 1.1mm		FX-23-63K*

** - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan*

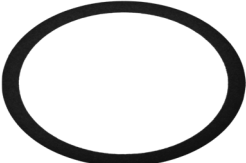
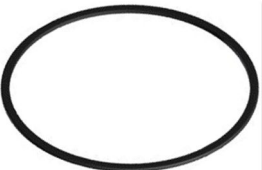
FORD 6F50/6F55

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Red	For Hub Dia.: 2.000"/50.8mm		MHC-R
Bushing	Material: Steel-Backed Alloy	Housing Bore 1.740"/44.2mm Width 0.610"/15.5mm Shaft Dia.: 1.622"/41.2mm		SB-18-6
Hub, Impeller	Material: Hardened Steel Flanged	Assembled Height 1.530"/38.9mm Height 1.720"/43.7mm Journal Dia.: 2.059"/52.3mm Flange Dia.: 3.500"/88.9mm		SH-1-63GRC
Bearing	Enclosed	O.D. 3.365"/85.5mm I.D. 2.402"/61.0mm Thick. 0.213"/5.4mm Flange Dia.: 3.405"/86.5mm		SW-2-34
Bearing	Enclosed	O.D. 2.869"/72.9mm I.D. 1.896"/48.2mm Thick. 0.179"/4.5mm		SW-2-35
Bearing	Enclosed	O.D. 2.821"/71.7mm I.D. 1.900"/48.3mm Thick. 0.181"/4.6mm		TW-2-4
Rivet	Rivet Type: Solid Rivet Head: Flat 12 Required	Length 0.380"/9.7mm Shank Dia.: 0.238"/6.0mm Head Dia.: .380"/9.7mm		SX-12-18
Turbine Hub	Material: Steel	27 Internal Spline		SX-13-43HT

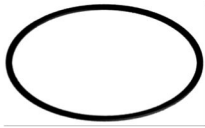
FORD 6F50/6F55 Continued

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Metal Clad Seal	Material: Fluorocarbon	Housing Bore: 0.906"/23.0mm Shaft Dia.: 0.639"/16.2mm		SO-23-41
O-Ring	Material: Fluorocarbon	I.D. 1.174"/29.8mm Cross Section 0.103"/2.6mm		SO-23-42
Lining	Material: Kevlar®	O.D. 10.200"/259.1mm I.D. 9.200"/233.7mm Thick. 0.045"/1.1mm		NX-23-12K
Lining	Material: Kevlar®	O.D. 10.200"/259.1mm I.D. 9.200"/233.7mm Thick. 0.045"/1.8mm		NX-23-12X70K
Lining	Material: High Carbon	O.D. 10.200"/259.1mm I.D. 9.200"/233.7mm Thick. 0.045"/1.1mm		NX-23-12HC
Lining	Material: High Carbon	O.D. 10.200"/259.1mm I.D. 9.200"/233.7mm Thick. 0.045"/1.8mm		NX-23-12X70HC*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
Turbine Washer	8 Outer Notches	O.D. 1.484"/37.7mm I.D. 1.010"/25.7mm Thick. 0.136"/3.5mm		SW-9-19
Turbine Washer	8 Outer Notches	O.D. 1.484"/37.7mm I.D. 1.010"/25.7mm Thick. 0.154"/3.9mm		SW-9-21
Bolt	Hex Head, Flange	M10-1.50 x 15mm		B-78

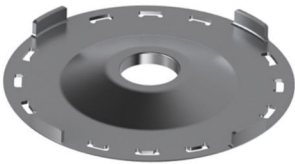
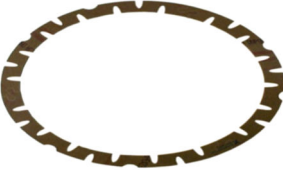
FORD 6R140

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hub Cap	Material: Plastic Color: Green	For Hub Dia. 2-1/2" Length: 2-1/2"		MHC-A
Impeller Hub	Material: Chromoly Flanged Pump Drive Style: External Spline PTO Drive: Internal Spline	Assembled Height: 2.672"/67.9mm Height: 2.800"/71.1mm Journal Dia.: 2.508"/63.7mm Flange Outer Dia.: 4.500"/114.3mm		FH-1-46FLG
Bearing	Enclosed	O.D. 3.771"/95.8mm I.D. 2.673"/67.9mm Thick. 0.288"/7.3mm		FW-2-12
Sprag	26 Cams	Width 0.792"/20.1mm O.D.: 2.375"/60.3mm Race Dia.: 3.031"/77.0mm		FC-6-11
Stator Cap	Material: Aluminum	O.D.: 4.265"/108.3mm I.D.: 1.980"/50.3mm Functional Thick.: 0.197"/5.0mm Total Thick.: 0.460"/11.7mm		FW-4-38
Metal Clad Seal	Material: Fluorocarbon	Housing Bore 1.851"/47.0mm Shaft Dia.: 1.554"/39.5mm		FO-25-24
Clutch Plate Friction	30 Internal Flat Tab bonded to each side	O.D.: 11.500"/292.1mm I.D.: 9.770"/248.2mm Thick.: 0.118"/3.0mm		FX-23-81
Lining	Material: High Carbon	O.D.: 11.480"/291.6mm I.D.: 10.390"/263.9 mm Thick: .030"/ 0.8 mm		FX-23-97HC
D-Ring	Material: Fluorocarbon Outer Piston Seal	O.D.:11.334"/287.9mm Width: 0.085"/2.2mm Height: 0.147"/3.7mm		FO-25-33

FORD 6R140 Continued

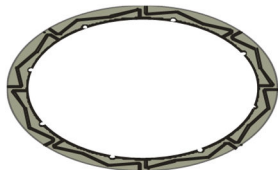
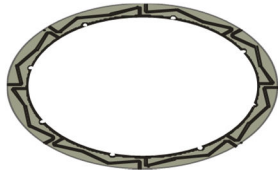
	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
D-Ring	Material: Fluorocarbon Inner Piston Seal 4-Stud	I.D.: 7.816"/198.5mm Width: 0.085"/2.2mm Height: 0.140"/3.6mm		FO-25-32
D-Ring	Material: Fluorocarbon Outer Piston Seal D-shaped 6-&8 Stud ,	O.D.: 5.404"/137.3mm Width: 0.085"/2.2mm Height: 0.145"/3.7mm		FO-25-31
Ball Bearing	4-Stud & 6-Stud	O.D.: 2.440"/62.0mm I.D.: 1.380"/35.1mm Thick.: 0.550"/14.0mm		FW-2-14
Ball Bearing	8-Stud	O.D.: 2.165"/55.0mm I.D.: 1.378"/35.0mm Thick.: 0.394"/10mm		FW-2-16
Hex Nut	4 Required			FX-10-17

FORD 6R60, 6R75W

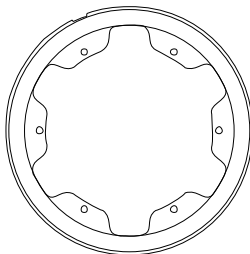
	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia.: 1.750"/44.5mm Length: 1.500"/38.1mm		MHC-BU
Hub, Impeller	Material: Hardened Steel Hub Mount Butt Mount Pump Drive Style Slots	Journal Dia.: 1.770"/45.0mm Assembled Height: 2.270"/57.7mm		FH-1-48GRC
Bearing	Material: Hardened Steel Enclosed	O.D.: 3.391"/86.1mm I.D.: 2.500"/63.5mm Thick.: 0.150"/3.81mm		SW-2-11
Metal Clad Seal	Material: Fluorocarbon	Housing Bore: 0.945"/24.0mm Shaft Dia.: 0.709"/18.0mm		PO-25-6
O-Ring	Material: Fluorocarbon	I.D.: 1.800"/45.7mm Cross Section: 0.103"/2.6mm		FO-25-18
Piston Plate	Material: Steel Forging			FX-23-79
Lining	Material: High Carbon 6R60 (3 required)	O.D.: 8.080"/205.2mm I.D.: 6.930"/176.0mm Thick.: 0.045"/1.1mm		FX-23-74SHC
Lining	Material: Kevlar® 6R60 (3 required)	O.D.: 8.080" I.D.: 6.930" Thick.: 0.045"		HX-23-74SK*

** - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan*

FORD 6R60, 6R75W Continued

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Lining	Material: Kevlar® Grooved 6R60 (3 required)	O.D.: 8.080"/205.2mm I.D.: 6.930"/176.0mm Thick.: 0.045"/1.1mm		FX-23-74MK
Lining	Material: Kevlar® Grooved 6R60 (3 required)	O.D. 8.080"/205.2mm I.D. 6.930"/176.0mm Thick. 0.070"/1.8mm		FX-23-74X70MK*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
Clutch Plate Friction	Bonded on Each Side	O.D. 8.071"/205.0mm		FX-26-1
Bolts & Nuts Kit	High-Quality Welding Bolts 6 Required	5/16"-18 Weld bolts (6) 5/16"-18 Flanged Lock Nuts (6)		FX-10-21K
Turbine Washer	Material: Phenolic	O.D. 2.000"/50.8mm I.D. 0.740"/18.8mm Thick. 0.490"/12.4mm		FW-9-27
Hex Nut	4 Required	M10 x 1mm x 8.5mm		FX-10-17

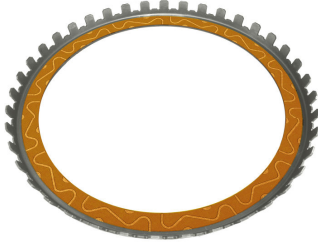
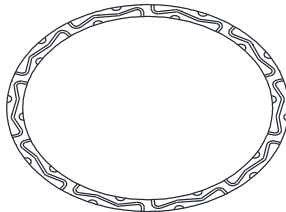
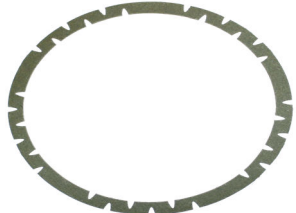
FORD 6R75/6R80 **Expedition, Lincoln Navigator**

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART #
Clutch Plate, Friction	Number of Teeth 6	O.D. 9.640"/244.9mm I.D. 6.491"/164.9mm Overall Thick. 0.158/4.0mm		FX-26-4

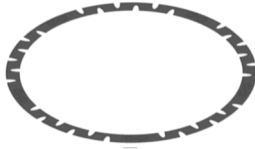
FORD 6R80, 260mm (Late)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia. 1.750"/ 44.45mm Length 1.500"/38.1mm		MHC-BU
Impeller Hub	Material: Hardened Steel Hub Mount Butt Mount Pump Drive Style Slots	Assembled Height 2.270"/57.7mm Journal Dia.: 1.770"/45.0mm		FH-1-48GRC
Impeller Hub	Material: Hardened Steel Butt Mount Pump Drive Style Flats. Fits 2014 mid- year and later applications.	Assembled Height 2.270"/57.5mm Journal Dia.: 1.770"/45.0mm		FH-1-47GRC
Bearing	Enclosed 2 Required	O.D. 3.391"/86.1mm I.D. 2.500"/63.5mm Thick. 0.150"/3.8mm		SW-2-11
Roller	Material: Steel	Length 0.572"/14.5mm Dia. 0.312"/7.9mm		SR-7
Piston Seal Ring	Material: Fluorocarbon	O.D. 3.511"/ 89.2mm Width 0.103"/ 2.6mm Height 0.160"/4.0mm		FO-25-22
Metal Clad Seal	Material: Steel Fluorocarbon	Housing Bore 1.181"/30.0mm Shaft Dia.: 0.871"/22.1mm		FO-25-23

FORD 6R80, 260mm (Late) Continued

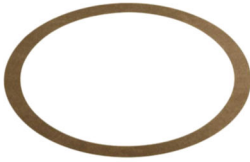
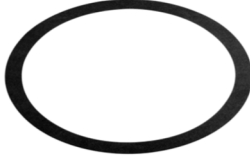
	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Clutch Plate Friction	Bent External Teeth (40)	O.D. 10.775"/273.7mm I.D. 8.700"/221.0mm Thick. 0.159"/4.0mm		FX-26-2
Lining	Material: Kevlar® (2 required) Grooved	O.D. 9.890"/251.2mm I.D. 8.750"/222.3mm Thick. 0.045"/1.1mm		FX-23-83MK*
Lining	Material: Kevlar® (2 required) With Cut-outs	O.D. 9.880"/251.0mm I.D. 8.750"/222.3mm Thick. 0.045"/1.1mm		FX-23-83SK*
Lining	Material: High Carbon (2 required) Solid	O.D. 9.880"/251.0mm I.D. 8.750"/222.3mm Thick. 0.045"/1.1mm		FX-23-83HC*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
Ball Bearing	Front Cover to Turbine Hub	O.D. 1.654"/42.0mm I.D. 1.181" /30.0mm Thick. 0.276" /7.0mm		FW-9-29
Rivet	8 required	Length 0.375"/9.5mm Shank Dia.: 0.310"/7.9mm Head Dia.: 0.470"/11.9mm		FX-12-8
Hex Nut	4 Required	M10 x 1mm x 8.5mm		FX-10-17

FORD 6R80, 280mm (Early)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia. 1.750"/44.5mm Length 1.500"/38.1mm		MHC-BU
Hub, Impeller	Material: Hardened Steel Hub Mount Butt Mount Pump Drive Style Slots	Assembled Height 2.270"/57.7mm Journal Dia.: 1.770"/45.0mm		FH-1-48GRC
Bearing	Enclosed	O.D. 3.670"/93.2mm I.D. 2.620"/66.5mm Thick. 0.162"/4.1mm		FW-2-13
Roller	Material: Steel 10 Required	Length 0.572"/14.5mm Dia. 0.312"/7.9mm		SR-7
Bearing	Enclosed	O.D. 3.391"/86.1mm I.D. 2.500"/63.5mm Thick. 0.150"/3.8mm		SW-2-11
Turbine Washer	Material: Fiber	O.D. 3.210"/81.5mm I.D. 2.340"/59.4mm Thick. 0.062"/1.6mm		FW-9-28
Piston Seal	Material: PTFE Solid	O.D. 2.356"/59.8mm Width: 0.090"/2.3mm Height: 0.100"/2.5mm		FO-25-21
Meta Cladl Seal	Material: Fluorocarbon	Housing Bore: 1.181"/30.0mm Shaft Dia.: 0.871"/22.1mm		FO-25-23
Lining	Material: Kevlar® (2 Required) With Cut-outs	O.D. 9.500"/241.3mm I.D. 8.250"/209.6mm Thick. 0.045"/1.1mm		FX-23-82SK*

** - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan*

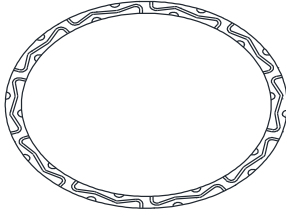
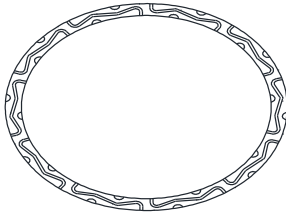
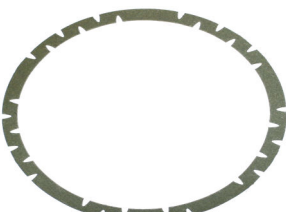
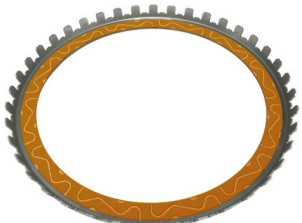
FORD 6R80, 280mm (Early) Continued

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Lining	Material: High Carbon, (2 required) Solid	O.D. 9.500"/241.3mm I.D. 8.250"/209.6mm Thick. 0.045"/1.1mm		FX-23-82HC*
Lining	Material: (Modulated) High Carbon, (2 required) Solid	O.D. 9.400"/238.8mm I.D. 8.250"/209.6mm Thick. 0.045"/1.1mm		FX-23-98MHC*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
Ball Bearing	Front Cover to Turbine Hub	O.D. 1.654"/42.0mm I.D. 1.181"/30.0mm Thick. 0.276"/7.0mm		FW-9-29
Hex Nut	4 Required	M10 x 1mm x 8.5mm		FX-10-17

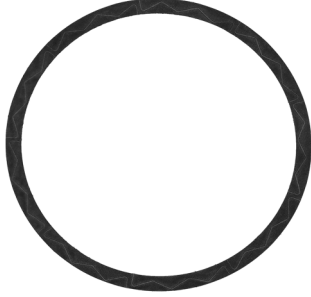
FORD 6R80, 280mm (Late)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia.: 1.750"/44.5mm Length 1.500"/38.1mm		MHC-BU
Hub, Impeller	Material: Hardened Steel Hub Mount Butt Pump Drive, Style: Slots	Assembled Height 2.270"/57.7mm Journal Dia.: 1.770"/45.0mm		FH-1-48GRC
Hub, Impeller	Material: Hardened Steel Butt Mount Pump Drive Style Flats	Assembled Height 2.270"/57.7mm Journal Dia.: 1.770"/45.0mm		FH-1-47GRC
Bearing	Material: Hardened Steel Bearing Style Enclosed	O.D. 3.670"/93.2mm I.D. 2.620"/66.5mm Thick. 0.162"/4.1mm		FW-2-13
Roller	Material: Steel 10 Required	Length 0.572"/14.5mm Dia. 0.312"/7.9mm		SR-7
Bearing	Material: Hardened Steel Enclosed	O.D. 3.391"/86.1mm I.D. 2.500"/63.5mm Thick. 0.150"/3.81mm		SW-2-11
Piston Seal Ring	Material: PTFE Seal Style Solid	O.D. 3.511"/89.2mm Width 0.103"/2.6mm Height 0.160"/4.1mm		FO-25-22
Metal Clad Seal	Material: Fluorocarbon	Housing Bore 1.181"/30.0mm Shaft Dia.: 0.871"/22.1mm		FO-25-23

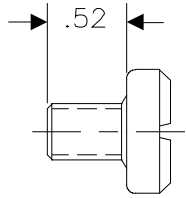
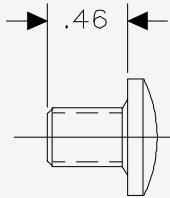
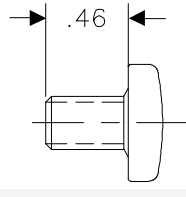
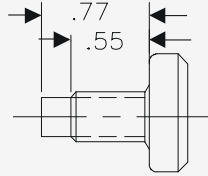
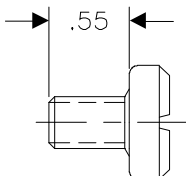
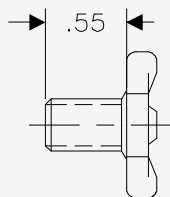
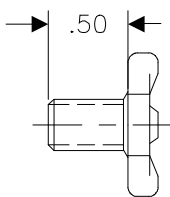
FORD 6R80, 280mm (Late) Continued

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Lining	Material: Tan (2 Required) Solid Two required	O.D. 10.400"/264.2mm I.D. 9.200"/233.7mm Thick. 0.045"/1.1mm		FX-23-80MT
Lining	Material: Kevlar® (2 Required) Solid Two required	O.D. 10.400"/264.2mm I.D. 9.200"/233.7mm Thick. 0.070"/1.8mm		FX-23-80X70MK
Lining	Material: Kevlar®, with Cut-Outs 2 required	O.D. 10.400"/264.2mm I.D. 9.200"/233.7mm Thick. 0.045"/1.1mm		FX-23-80SK*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
Clutch Plate Friction	Teeth 40 Tab Style Bent External	O.D. 11.340"/288.0mm I.D. 9.145"/232.3mm Thick. 0.159"/4.0mm		FX-26-3
Ball Bearing	Front Cover to Turbine Hub	O.D. 1.654" /42.0mm I. D. 1.181" /30.0mm Thick. 0.276"/7.0mm		FW-9-29
Rivet	8 required	Length 0.375"/9.5mm Shank Dia.: 0.310"/7.9mm Head Dia.: 0.470"/11.9mm		FX-12-8
Hex Nut	4 Required	M10 x1.0, 8.5mm High		FX-10-17

FORD 10R80

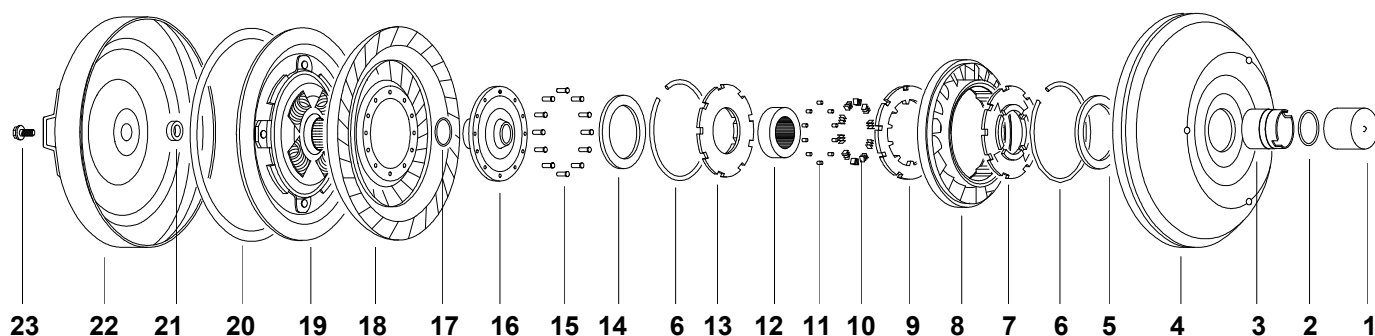
	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Bushing	Material: Bimetal	Housing: 2.479"/63.0mm Shaft: 2.323"/59.0mm Thick.: .661"/16.8mm		FB-18-10
Roller	Material: Hardened Steel, 10 Required	Dia.: .312"/7.9mm Long: .480"/12.2mm		SR-7-6
Spring, Accordion	Material: Steel, 10 Required	Width .470"/11.9mm Height .225"/5.7mm Free Length:.437"/11mm 3 Folds.		SS-6-7
Lining	Material: Kevlar®, Grooved	O.D.: 12.100"/307.3mm I.D.: 10.860"/275.8mm Thick.: .045"/1.1mm		FX-23-99MK*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
Nut	Hex			FX-10-17

FORD STUDFINDERSM

DESCRIPTION	THREAD	HEAD O.D.	HEAD THICK	ILLUSTRATION	PART #
C-4, C-5, C-6; 3 Speed, FMX; Borg & Beck; AOD-E; E4OD (First Type)	3/8"-24	.83	.21		FX-10-3
C-4 and Others	3/8"-24	.75	.16		FX-10-4
ATX Replaced by FX-10-13	M10 x 1.0	.77	.16		FX-10-9
A4LD, 4R55E; E4OD (First Type)	3/8"-24	.83	.21		FX-10-11
AXOD / AXODE	M10 x 1.0	.83	.21		FX-10-12
ATX; AX4S / AX4N; AXOD / AXODE; CD4E. T-Head	M10 x 1.0	1.06	.23		FX-10-13
E4OD (Second Type) T-Head	3/8"-24	1.06	.23		FX-10-14
Studcap TM All Models	Plastic Stud Protector, Red, 3/8" I.D., 1/2" Long				MHC-STD

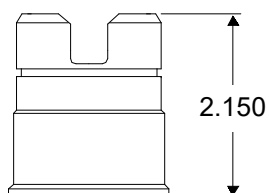
GENERAL MOTORS

GM 228mm SATURN



ILL. #3

IMPELLER HUB, 1.581" DIA.

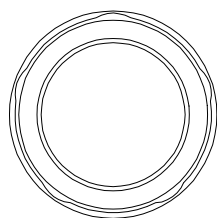


SH-1-29GRC

Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. #5

BEARING



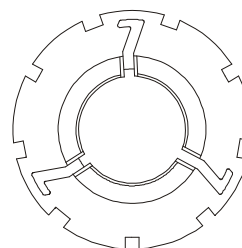
O.D. 3.37"
I.D. 2.49"
Thick. .15"

SW-2-11

Replaces O.E. Bearing or Phenolic Washer

ILL. #7

STATOR CAP



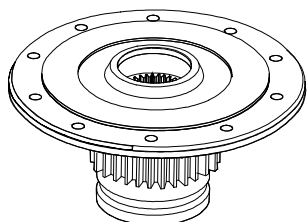
O.D. 4.02"
I.D. 1.80"
Thick. .25"

SW-4-20

Use With **SW-2-11** Bearing

ILL. #16

TURBINE HUB

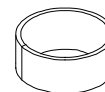


O.D. 4.08"
19 Int. Spline
30 Ext. Spline

SX-13-15HT

ILL. # 21

BUSHING



O.D. .73"
I.D. .57"
Height .31"

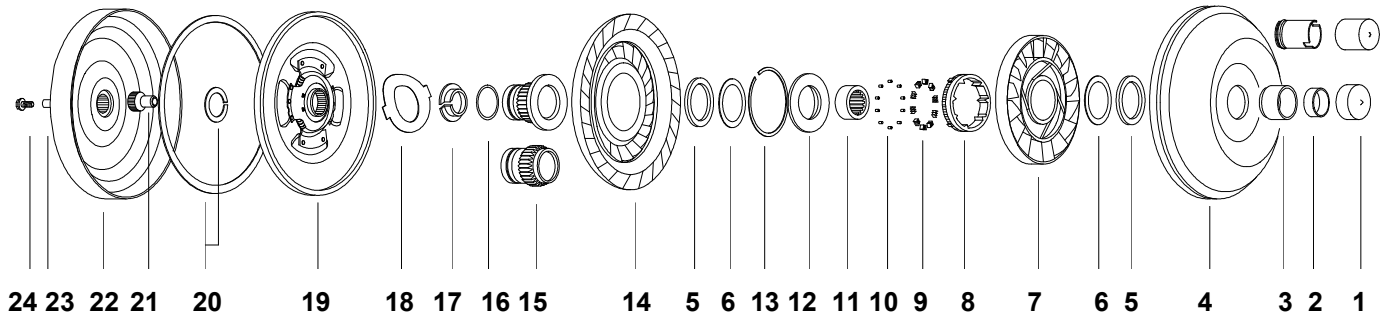
SB-18-4

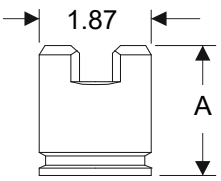
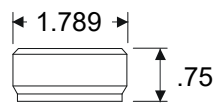
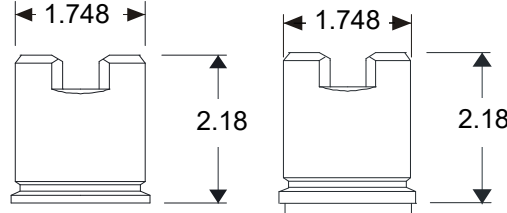
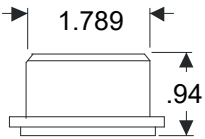
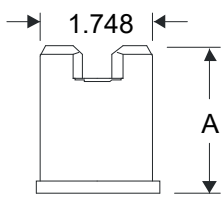
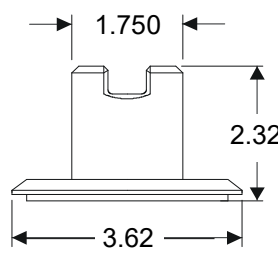
GM 228mm SATURN

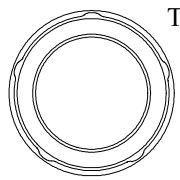
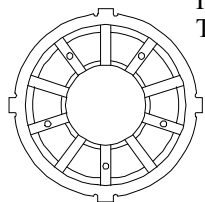
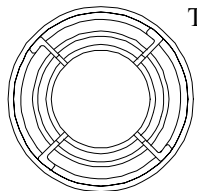
ILL.#	DESCRIPTION		QTY	PART #
1	Hubcap®	Black, For 1-5/8" Dia. Hubs		MHC-B
2	O-Ring	1-3/8" I.D., 1/16" Wide		SO-23-26
3	Hub, Impeller	Heat Treated		SH-1-29GRC
4	Impeller			
5	Bearing	Enclosed, Use With SW-4-20 Stator Cap		SW-2-11
6	Ring, Snap		2	
7	Cap, Stator	Aluminum, 4.01" O.D., 1.80" I.D., .25" Thick		SW-4-20
8	Stator			
9	Cam			
10	Spring, Accordion	.15" High, .30" Wide	10	SS-6-5
11	Roller	.235" Dia., .31" Long	10	SR-7-5
12	Race, Inner	29 Splines		
13	Cap Stator	OE Style Replaced by Stator Cap		SW-4-20
14	Bearing	OE Style Replaced by Bearing Kit		SW-2-20K
15	Rivet	Solid, .170" Shank Dia., .340" Long	12	SX-12-5
16	Turbine Hub	19 Spline		SX-13-15HT
17	O-Ring	Viton®, 28mm. I.D. x 2.5mm. Wide		SO-23-27
18	Turbine			
19	Lockup Clutch			SX-23-103
20	Lining	8-7/8" O.D., 8" I.D., .045" Thick		SX-23-31K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
21	Bushing, Cover			SB-18-4
22	Cover, Front			
23	Bolt	Hex Head, M10 × 1.5mm, 15mm Long, O.E.#25509226	4	B-79

GM 245mm LOCKUP

Models: 125C, 180C, 200C, 440-R4, 700-R4 (S-10 Only)



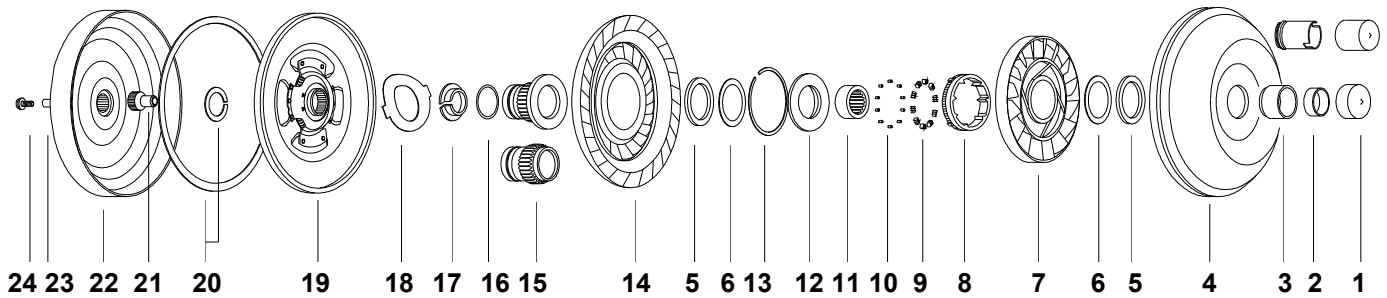
ILL. #3 IMPELLER HUBS		
Butt Mount, TH180C	TH125C, TH440-R4	TH200C, TH700-R4(S-10)
 SH-1-5G, A = 2.20" SH-1-16G, A = 2.08" SH-1-36G, A = 1.93"	 SH-1-9G	 SH-1-12GRC SH-1-32GRC SH-1-37GRC
Flanged, TH125C, TH440-R4	Butt Mount, TH200C, TH700-R4	Flanged, TH700-R4(S-10)
 SH-1-17G	 SH-1-19G, A = 2.25" SH-1-27G, A = 2.10"	 SH-1-20GRC
Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36		

ILL. #5 NEEDLE BEARING	ILL. #12 STATOR CAPS	
 O.D. 3.37" I.D. 2.49" Thick. .15" SW-2-11	 O.D. 3.65" I.D. 1.58" Thick. .25" SW-4-8	 O.D. 3.65" I.D. 1.93" Thick. .23" SW-4-9

GM 245mm LOCKUP *Continued*
Models: 125C, 180C, 200C, 440-R4, 700-R4 (S-10 Only)

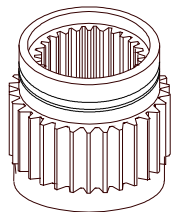
ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Yellow, For 1-7/8" Dia. Hubs		MHC-Y
		Blue™, 1-3/4" Dia., 1-1/2" Long		MHC-BU
2	Bushing, Hub	Standard, 1.567" O.D. 1.441" I.D.		SB-18-2
		Semi-Finished, Bore In Place		SB-18-2X
		.002" Oversize O.D., 1.569" O.D., 1.441" I.D.		SB-18-2-2
		.010" Oversize O.D., 1.575" O.D., 1.441" I.D.		SB-18-2-10
3	Hub, Impeller	Butt Mount, TH180C		SH-1-5GRC
		Butt Mount, TH180C		SH-1-16GRC
		Butt Mount, TH180C		SH-1-36GRC
		TH125C, TH440-R4		SH-1-9GRC
		Butt Mount, TH200C, TH700-R4		SH-1-12GRC
		Flanged, TH125C, TH440-R4		SH-1-17GRC
		Butt Mount, TH200C, TH700-R4		SH-1-19GRC
		Butt Mount, TH200C, TH700-R4		SH-1-27GRC
		Flanged, S-10		SH-1-20GRC
		Through Mount, TH700-R4, S-10, Height 2.55"		SH-1-32GRC
		Through Mount, TH700-R4, S-10, Height 2.49"		SH-1-37GRC
4	Impeller			
5	Needle Bearing	Front & Rear	2	SW-2-11
6	Shim, Selective	Under Bearing, .010" Thick		SW-2-110
		.020" Thick		SW-2-120
		.030" Thick		SW-2-130
7	Stator	8636086		SX-5-9
8	Cam			SX-15-4
9	Spring, Accordion	.375" Wide, .220" High	8	SS-6-2
10	Roller	.312" Dia., .375" Long	8	SR-7-2
11	Race, Inner	.725" High		SX-14-4
12	Cap, Stator	Phenolic		SW-4-8
	Adapter, Bearing	Aluminum, 8636120 (Use With SW-2-11 Bearing)		SW-4-9
13	Ring, Snap		1	FX-20-12
14	Turbine Assembly			

GM 245mm LOCKUP *Continued*
Models: 125C, 180C, 200C, 440-R4, 700-R4 (S-10 Only)



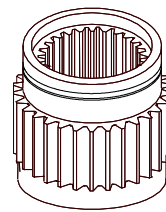
ILL. #15

TURBINE HUBS



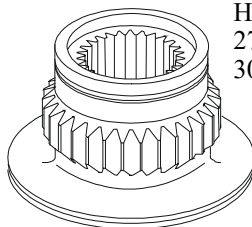
SX-13-27C

I.D. .835"
 Height 1.750"
 27 Int. Spline
 30 Ext. Spline



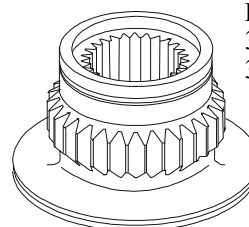
SX-13-30C

I.D. .932"
 Height 1.750"
 30 Int. Spline
 30 Ext. Spline



SX-13-27F

I.D. .835"
 Height 1.720"
 27 Int. Spline
 30 Ext. Spline

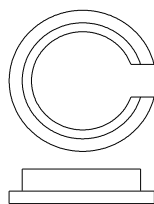


SX-13-30F

I.D. .932"
 Height 1.720"
 30 Int. Spline
 30 Ext. Spline

ILL. #17

TURBINE WASHER

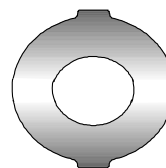


SW-9-11

O.D. 1.35"
 I.D. .94"
 Thick. .10"

ILL. #18

WAVE SPRING



SW-9-10

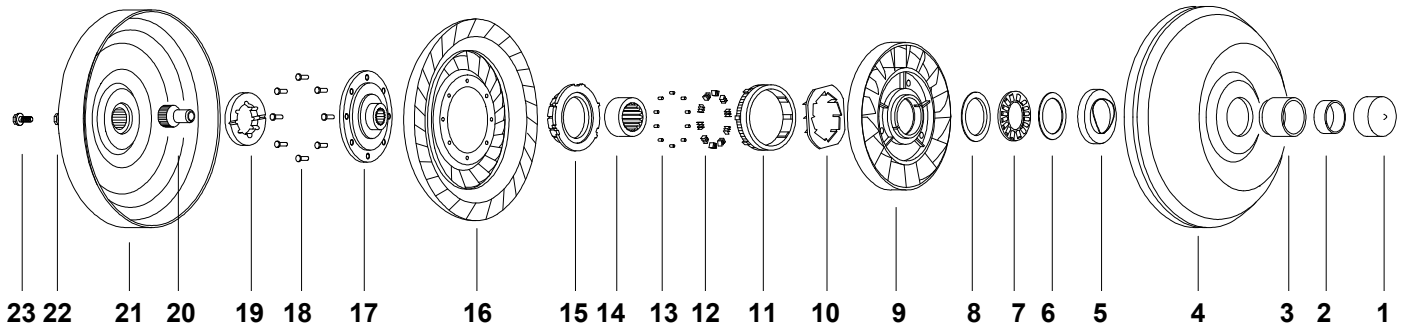
O.D. 3.16"
 I.D. 1.59"
 Thick. .25"

GM 245mm LOCKUP *Continued*
Models: 125C, 180C, 200C, 440-R4, 700-R4 (S-10 Only)

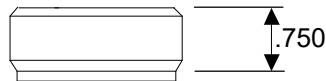
ILL.#		DESCRIPTION	QTY.	PART #
15	Turbine Hub	First Type, 27 Spline Plug, (30 Spline High Perf. SX-13-30C)		SX-13-27CHT
		Flanged Retrofit, 27 Spline (30 Spline High Perf. SX-13-30F)		SX-13-27FHT
N.I.	Fixture	Hub Installation		SX-13TK
16	O-Ring	Viton®, Orange Teflon® Coating, 1-1/4", I.D., 1/16" Thick		SO-23-21
		Oversize, Blue (Salvages Worn Pressure Plate), 32mm I.D., 2mm Thick		SO-23-21A
17	Washer, Turbine	Hard Lube Coated		SW-9-11
18	Spring	Heavy Duty, Heat Treated		SW-9-10
19	Pressure Plate And Damper Assembly	O.E. Style, Gasoline, No Valve		SX-23-22A
		Diesel, With Valve		SX-23-22B
		Viscous Damper, Aluminum, 8646407		SX-23-22C
		LUK Style		SX-23-111
		Repair Sleeve, Flanged, For Seal Bore		SX-23-39
N.I.	Damper Parts	Pressure Plate, Less Damper, Diesel Type With 2 Oil Ports		SX-23-15A
		Damper Only, Gasoline		SX-23-0379
		Damper Spring, Intermediate, 1-1/8" Long, 5/8" O.D.	4	SX-23-27
		Rivet, Damper, Early, Shank Dia. 0.17", Length 0.35"	6	SX-12-5
		Rivet, Damper, Late, Shank Dia. 0.20", Length 0.52"	8	SX-12-14
		Drive Tang Rivet	4	SX-12-7
		Nylon Washer Valve, Diesel (Damper To Pressure Plate)		SW-23-17
		Spider Spring (For Above)		SW-23-18
		Weld In To Repair Clutch O-Ring Bore		SX-23-39
20	Lining	For Viscous Damper, 9.000" O.D., 8.250" I.D., .045" Thick		JX-23-3K*
		9.000" O.D., 7.750" I.D., .045" Thick		SX-23-13K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
	Snubber	2-3/16" O.D., 1-9/16" I.D., .045" Thick		SX-23-SS45
		2-3/16" O.D., 1-9/16" I.D., .070" Thick		SX-23-SS70
21	Insert, Spline	Pump Drive In Front Cover		SX-22XA
22	Cover, Front			
23	Mounting Pad	M10 × 1.5, .375 High		SX-10-12
		M10 × 1.5, 1" High, For S-10 Only.		SX-10-2
24	Bolt	Hex Head, M10 × 1.5 × 15mm Long, O.E. # 01261968		B-78

* **Tech Info:** Bore Clutch Plate To 2.600" Dia. Install, Using Turbine Hub + O-Ring To Center Insert. Clamp Securely While Welding.

GM 254mm TH125, NON-LOCKUP



ILL. #3 IMPELLER HUB, 1.750" DIA.

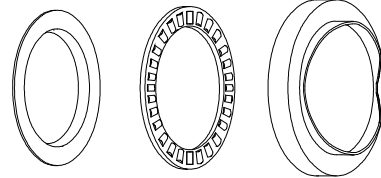


SH-1-1G

Suffix Code: No Suffix - Unfinished, "G"-
Finished Ground, "RC"- Hardness Rc 32-36

ILL. # 8,7,5 BEARING & RACES

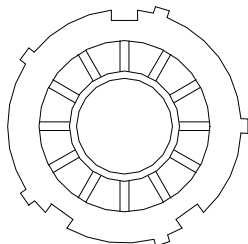
O.D. 2.06" O.D. 2.18" O.D. 2.25"
I.D. 1.54" I.D. 1.50" I.D. 1.44"



SW-2-6 SW-2-1 SW-2-4

SW-2-3K

ILL. #15 STATOR CAP

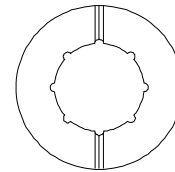


SW-4-3

Improved Design

O.D. 3.74"
I.D. 1.52"
Thick. .52"

ILL. #19 TURBINE WASHERS



O.D. 2.44"
I.D. 1.32"

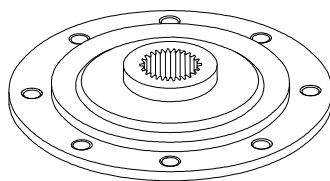
SW-9-7, Thick. .17"

SW-9-8, Thick. .20"

SW-9-9, Thick. .22"

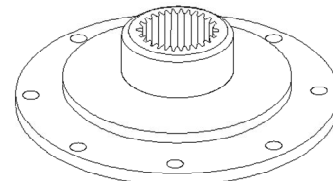
ILL. #17

TURBINE HUBS



O.D. 4.44"
27 Spline

SX-13-2HT



O.D. 4.44"
30 Spline

SX-13-12HT
High Performance

GM 254mm TH125, NON-LOCKUP

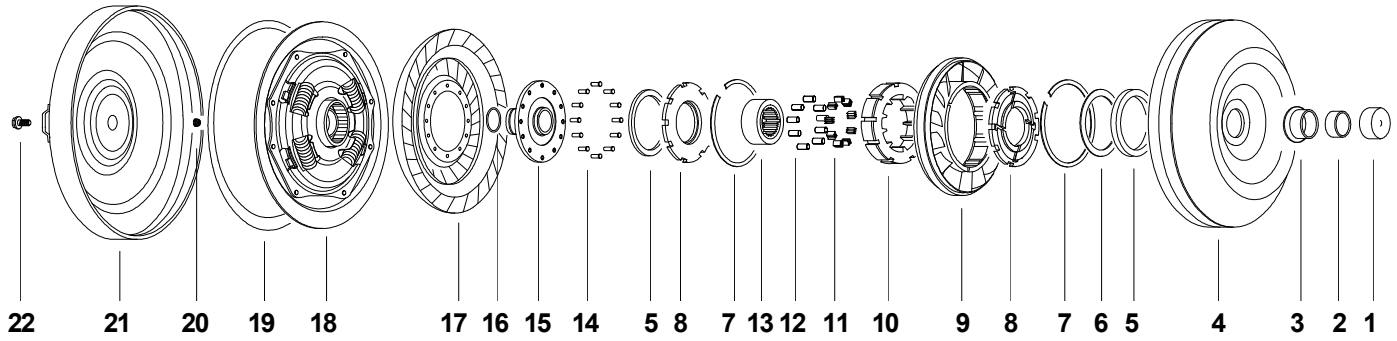
ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Gray, For 1.75" Dia. Hubs		MHC-P
2	Bushing, Hub	1.53" O.D., 1.40" I.D., .61" Wide		SB-18-1
3	Hub, Impeller	1.75" Dia.		SH-1-1G
4	Impeller			
5	*Race, Outer	2.25" O.D., 1.44" I.D., .03" Thick		SW-2-4*
6	Shim	Hardened, 2.17" O.D., 1.50" I.D., .03" Thick		SW-2-30
		Hardened, 2.17" O.D., 1.50" I.D., .06" Thick		SW-2-60
7	*Bearing	2.18" O.D., 1.50" I.D., .125" Thick, Standard		SW-2-1*
		2.18" O.D., 1.50" I.D., .156" Thick, Heavy Duty		SW-2-1HD
8	*Race, Inner	With Inside Lip, 2.07" O.D., 1.48" I.D., .030" Thick		SW-2-6*
9	Stator	8628022		SX-5-6
10	Retainer			SX-15-2
11	Cam			SX-15-1
12	Spring, Accordion	.43" Wide, .22" High	10	SS-6-1
13	Roller	.44" Long, .31" Dia.	10	SR-7-1
14	Race, Stator			SX-14-2
15	Cap, Stator	Phenolic, 8628025		SW-4-3
16	Turbine			
17	Turbine Hub	27 Spline		SX-13-2HT
		30 Spline, High Performance		SX-13-12HT
18	Rivet	.220" Shank Dia., .510" Long	8	SX-12
		.214" Shank Dia., .385" Long, Tubular	8	FX-12L
19	Washer, Turbine	Selective, Phenolic .17" Thick		SW-9-7
		.20" Thick		SW-9-8
		.22" Thick		SW-9-9
N.I.	Shim	.010" Thick, For Above Washers		TW-9-010
		.020" Thick, For Above Washers		TW-9-020
		.030" Thick, For Above Washers		TW-9-030
20	Insert, Spline	14 Spline		SX-22X
21	Cover, Front			SX-22-8
22	Boss, Mounting	M10 x 1.5	3	SX-10-6
23	Bolt	M10 x 1.5 x 15mm, O.E. #25509226	3	B-79

*NOTE: SW-2-4
SW-2-1
SW-2-6



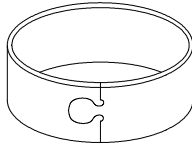
Bearing And Race Kit, **SW-2-3K**
Heavy Duty, **SW-2-3KHD** (Contains **SW-2-1HD**)

GM 258mm LOCKUP, 4T65E



ILL.#2

BUSHING

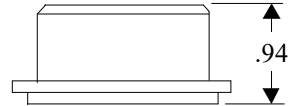


I.D. 1.44"
Height .626"

SB-18-2

ILL. #3

IMPELLER HUB, 1.789" DIA.

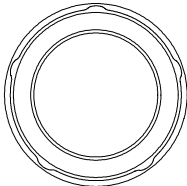


SH-1-17G

Suffix Code: No Suffix - Unfinished,
"G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. #5

BEARING

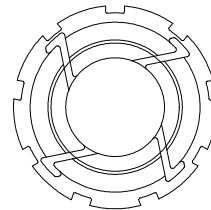


O.D. 3.37"
I.D. 2.49"
Thick. .15"

SW-2-11

ILL. #8

STATOR CAP

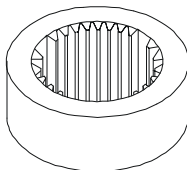


O.D. 3.96"
I.D. 1.92"
Thick. .33"

SW-4-18

ILL. #13

INNER RACE

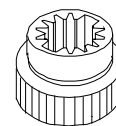


O.D. 2.156"
Height .875"
27 Spline
(3 Removed)

SX-14-3

ILL. #20

SPLINE INSERT



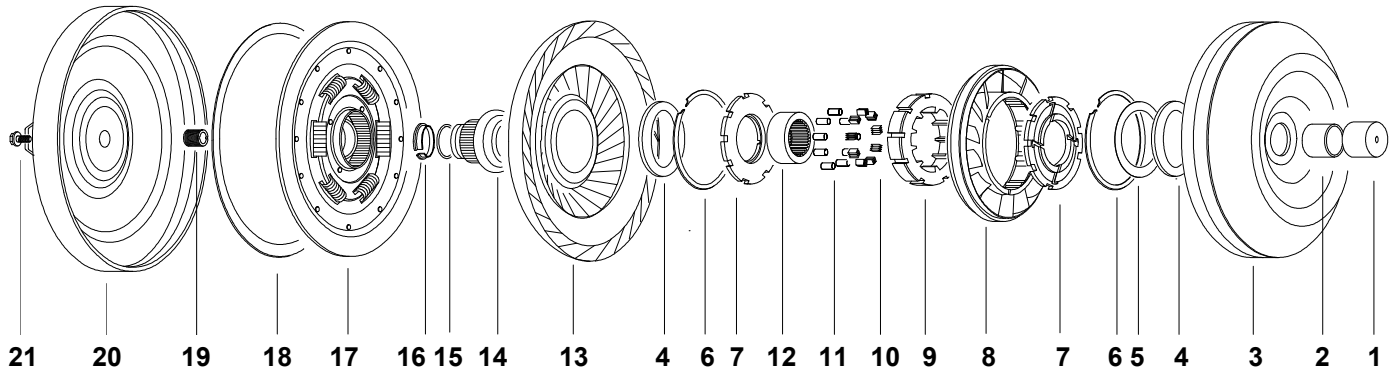
O.D. .76"
Height .78"
14 Spline
(2 Removed)

SX-22XA

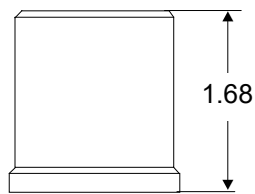
GM 258mm LOCKUP, 4T65E

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Gray, For 1-3/4" Dia. Hubs		MHC-P
2	Bushing, Hub	1.438" I.D., Precision		SB-18-2
		Finish In Place		SB-18-2X
3	Hub, Impeller	Flanged		SH-1-17G
		Flanged & Hardened		SH-1-17GRC
4	Impeller			
5	Bearing	Enclosed	2	SW-2-11
6	Shim, Selective	Under Bearing, .010" Thick		SW-2-110
		.020" Thick		SW-2-120
		.030" Thick		SW-2-130
7	Ring, Snap		2	
8	Cap, Stator	Aluminum	2	SW-4-18
9	Stator			
10	Cam	Stator		
11	Spring, Accordion	.525" High, .265" Wide	9	SS-6-4
12	Roller	.359" Dia., .535" Long	9	SR-7-4
13	Race, Stator	27 Int. Spline, 3 Removed, 2.15" x .88"		SX-14-3
14	Rivet	.171" Dia. Shank, .278" Long	12	SX-12-12
15	Turbine Hub			
16	O-Ring	Viton®, 1-3/8" I.D., 1/16" Wide		SO-23-26
	Seal Ring	Teflon, White, Solid, 1.72" O.D., .09" Wide, for Late Model		SO-23-35
17	Turbine			
18	Lockup Clutch			SX-23-36
N.I.	Rivet	Lockup Clutch, .198" Dia. Shank, .515" Long	8	SX-12-14
19	Lining	9-1/2" O.D., 8-1/4" I.D., .045" Thick		PX-23-9K*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
20	Insert, Spline	14 Spline (2 Removed)		SX-22XA
21	Cover, Front			
22	Bolt	Hex Head, M10 × 1.5 × 15mm Long, O.E. #25509226	3	B-79

GM 265mm LOCKUP, 4T60E & 4T80E



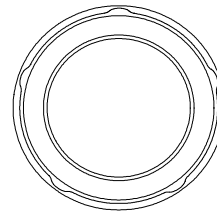
ILL. #2 IMPELLER HUB, 1.875" DIA.



SH-1-35GRC

*Suffix Code: No Suffix - Unfinished,
"G" - Finish Ground, "RC" - Hardness Rc 32-36*

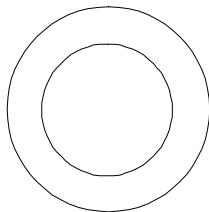
ILL. #4 BEARING



O.D. 3.37"
I.D. 2.49"
Thick. .15"

SW-2-11

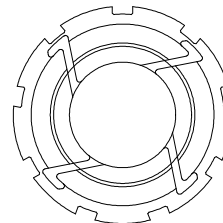
ILL. #5 SELECTIVE SHIM



O.D. 3.32"
I.D. 2.49"

SW-2-110, Thick .01"
SW-2-120, Thick .02"
SW-2-130, Thick .03"

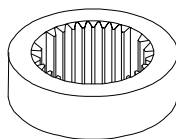
ILL. #7 STATOR CAP



O.D. 3.96"
I.D. 1.92"
Thick. .33"

SW-4-18

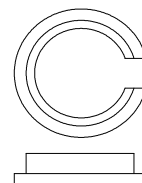
ILL. #12 INNER RACE



O.D. 2.156"
Height .875"
27 Spline
(3 Removed)

SX-14-3

ILL. #16 TURBINE WASHER



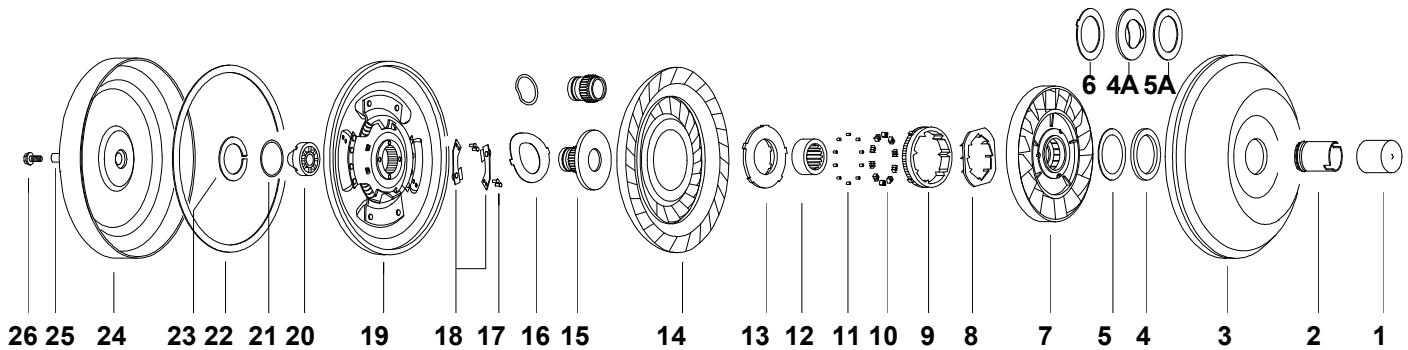
O.D. 1.35"
I.D. .94"
Thick. .10"

SW-9-17

GM 265mm LOCKUP, 4T60E & 4T80E

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Yellow, For 1-7/8" Dia. Hubs		MHC-Y
2	Hub, Impeller	1.875" O.D., 1.68" High		SH-1-35GRC
3	Impeller			
4	Bearing	Enclosed	2	SW-2-11
5	Shim, Selective	Under Bearing, .010" Thick		SW-2-110
		.020" Thick		SW-2-120
		.030" Thick		SW-2-130
6	Ring, Snap		2	
7	Cap, Stator	Aluminum, 3.95" O.D.	2	SW-4-18
8	Stator			
9	Cam			
10	Spring, Accordion	.525" High, .265" Wide	9	SS-6-4
11	Roller	.359" Dia., .540" Long	9	SR-7-4
12	Race, Stator	27 Spline (3 Removed)		SX-14-3
13	Turbine			
14	Turbine Hub	30 Spline		
15	O-Ring	Fluorocarbon, 1.362" I.D. x 0.103"		SO-23-25
		Fluorocarbon, 1.489" I.D. x 0.065". For viscous damper		SO-23-28
		Fluorocarbon, 1.496" I.D. x 0.079". For viscous damper, oversized		SO-23-39
16	Washer, Turbine	Aluminum, C Type, 1.51" O.D., 1.05" I.D., .33" Thick		SW-9-17
17	Lockup Clutch	4T60E		SX-23-110
		4T80E, Viscous Clutch Type		
N.I.	Rivet	Lockup Clutch, .198" Dia. Shank, .515" Long	12	SX-12-14
18	Lining	10-3/8" O.D., 9-3/8 " I.D., .045" Thick		SX-23-32K*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
19	Insert	Pump Drive, Internal Hex, Knurled O.D.		
20	Cover, Front			
21	Bolt	M10 × 1.5 × 15mm Long, O.E. #25509226		B-79

GM 298mm LOCKUP 250C, 350C, 700-R4, 4L60E

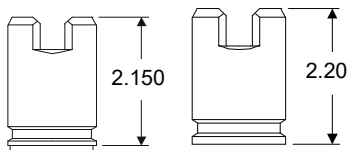


ILL. #2

IMPELLER HUBS

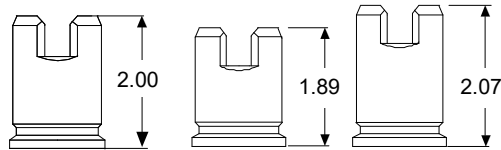
TH250C, TH325-4L, 1.874" DIA.

TH200C, TH200-4R, TH700-R4, 1.748" DIA.



SH-1G

SH-1-5G

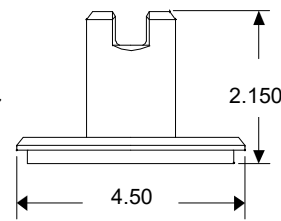


SH-1-2G

SH-1-41G

SH-1-15G

SH-1-18G



SH-1-24GRC

SH-1-31G

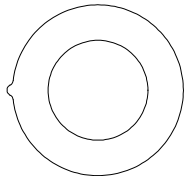
SH-1-38G

Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. #6, 4A, 5A

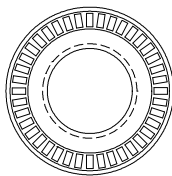
PLATE, BEARING, SHIM

O.D. 3.00"
I.D. 1.76"



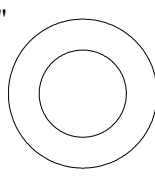
SW-2-9, SW-2-9HD, SW-2-8
Thick. .046" Thick. .063"

O.D. 2.84"
I.D. 1.44"
Thick. .155"



SW-2-010, Thick. .01"
SW-2-020, Thick. .02"
SW-2-030, Thick. .03"
SW-2-050, Thick. .05"

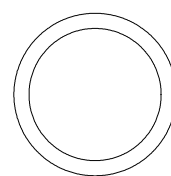
O.D. 2.70"
I.D. 1.58"



ILL. #5, 4

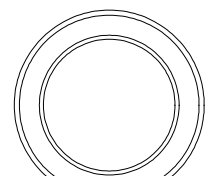
SHIM & BEARING

O.D. 2.95"
I.D. 2.40"



SW-2-210, Thick. .01"
SW-2-220, Thick. .02"
SW-2-230, Thick. .03"

O.D. 3.28"
I.D. 2.39"

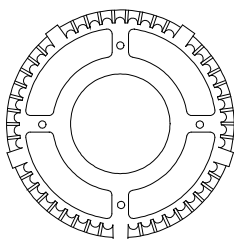


SW-2-12, Thick. .25"

ILL. #13

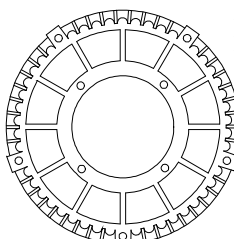
STATOR CAPS

O.D. 3.74"
I.D. 1.67"
Thick. .27"



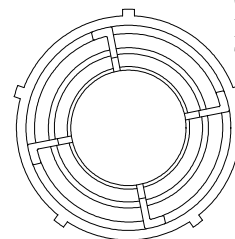
SW-4-10

O.D. 3.74"
I.D. 1.67"
Thick. .27"



SW-4-16
Replaces **SW-4-10**

O.D. 3.74"
I.D. 1.93"
Thick. .25"



SW-4-15

GM 298mm LOCKUP

250C, 350C, 700-R4, 4L60E

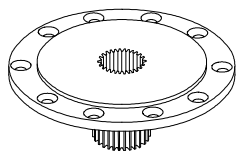
ILL. #		DESCRIPTION	QTY.	PART #
1	Hubcap®	Blue, For 1-3/4" Dia. Hubs Yellow™, For 1-7/8" Dia. Hubs		MHC-BU MHC-Y
2	Hub, Impeller	For TH200C, TH200-4R, TH700-R4, 1.748" Dia. For TH200C, TH200-4R, TH700-R4, 1.748" Dia. For TH200C, TH200-4R, TH700-R4, 1.748" Dia. For TH200C, TH200-4R, TH700-R4, 1.748" Dia. Butt Mount, Wide Weld Groove, Height 2.37" Butt Mount, Wide Weld Groove, Height 2.31" For TH200C, TH200-4R, TH700-R4, 1.748" Dia. For TH250C, TH-325-4L, 1.874" Dia. For TH250C, TH-325-4L, 1.874" Dia.		SH-1-2G SH-1-15G SH-1-18G SH-1-24GRC SH-1-31G SH-1-38G SH-1-41G SH-1-5G SH-1G
3	Impeller			
N.I.	Kit, Vane	Impeller		SX-21-31-3K
4	Bearing	Enclosed, .254" Thick, 3.28" O.D., 2.39" I.D.		SW-2-12
4A	Bearing	Semi-Enclosed, .155" Thick, 2.84" O.D., 1.44" I.D.		SW-2-8
N.I.	Plate, Update™	Adapter, Permits Retrofit Of SW-2-12 Bearing, Patented		SX-15-3K
5	Shims, Selective	End Play, Use Under SW-2-12, .010" Thick .020" Thick .030" Thick		SW-2-210 SW-2-220 SW-2-230
5A		End Play, Use Under SW-2-8, .010" Thick .020" Thick .030" Thick .050" Thick		SW-2-010 SW-2-020 SW-2-030 SW-2-050
6	Plate	Steel, .045" Thick Steel, Heavy Duty, .063" Thick		SW-2-9 SW-2-9HD
7	Stator	8630505		SX-5-88
8	Retainer			SX-15-2
9	Cam			SX-15-1
10	Spring, Accordion	3 Folds, 0.43" Wide, .22" Height	10	SS-6-1
11	Roller	5/16" Dia., .435" Long	10	SR-7-1
12	Race, Inner	27 Spline (3 Removed)		SX-14-3
13	Cap, Stator	Phenolic, 8630508, Replaced By SW-4-16 Phenolic, Upgrade, 12 Grooves, O.E.#24204224 Aluminum, Use Bearing SW-2-11		SW-4-10 SW-4-16 SW-4-15
14	Turbine, Assembly	30 Spline 27 Spline		SX-8-30 SX-8-27

GM 298mm LOCKUP *Continued* **250C, 350C, 700-R4, 4L60E**

ILL. #15

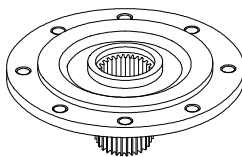
TURBINE HUBS

O.D. 4.00"



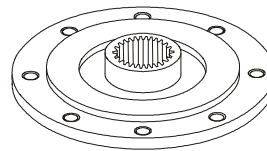
SX-13-3HT
 27 Int., 30 Ext. Spline
SX-13-4HT
 30 Int., 30 Ext. Spline

O.D. 4.45"



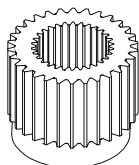
SX-13-5HT
 27 Int., 30 Ext. Spline
SX-13-6HT
 30 Int., 30 Ext. Spline

O.D. 4.45"



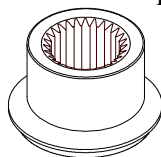
SX-13-7HT
 30 Spline

O.D. 1.53"



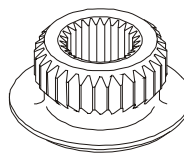
SX-13-27HT
 27 Int., 30 Ext. Spline
SX-13-30HT
 30 Int., 30 Ext. Spline

O.D. 1.38"
 Flange O.D. 1.75"



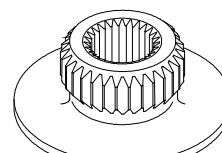
SX-13-27PHT
 27 Int. Spline
SX-13-30PHT
 30 Int. Spline

O.D. 2.35"



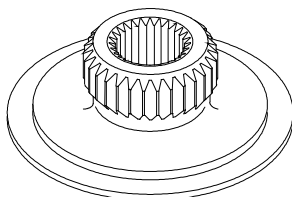
SX-13-27FFHT
 27 Int., 30 Ext. Spline
SX-13-30FFHT
 30 Int., 30 Ext. Spline
SX-13-30FS
 30 Int., 30 Ext. Spline

O.D. 3.30"



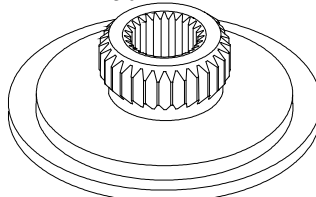
SX-13-27JFHT
 27 Int., 30 Ext. Spline
SX-13-30JFHT
 30 Int., 30 Ext. Spline

O.D. 4.00"



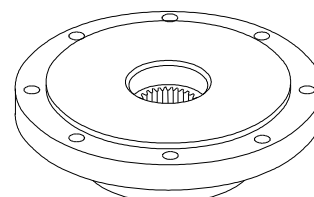
SX-13-27WHT
 27 Int., 30 Ext. Spline
SX-13-30WHT
 30 Int., 30 Ext. Spline

O.D. 4.50"



SX-13-16HT
 30 Int., 30 Ext. Spline
SX-13-31HT
 27 Int., 30 Ext. Spline

O.D. 4.51"

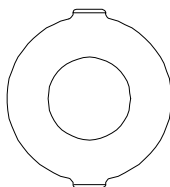


SX-13-350HT
 30 Spline

ILL. #16

WAVE SPRINGS

O.D. 3.16" O.D. 2.01"
 I.D. 1.60" I.D. 1.60"
 Thick. .02"



SW-9-10

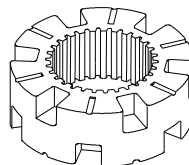


SW-9-6

N.I.

SPACER

O.D. 2.51"
 I.D. 1.46"
 Thick. 1.52"

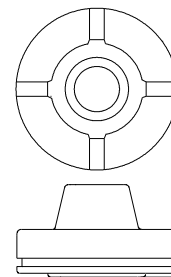


SW-9-150

ILL. #20

CONICAL WASHER

O.D. 2.24"
 I.D. .625"



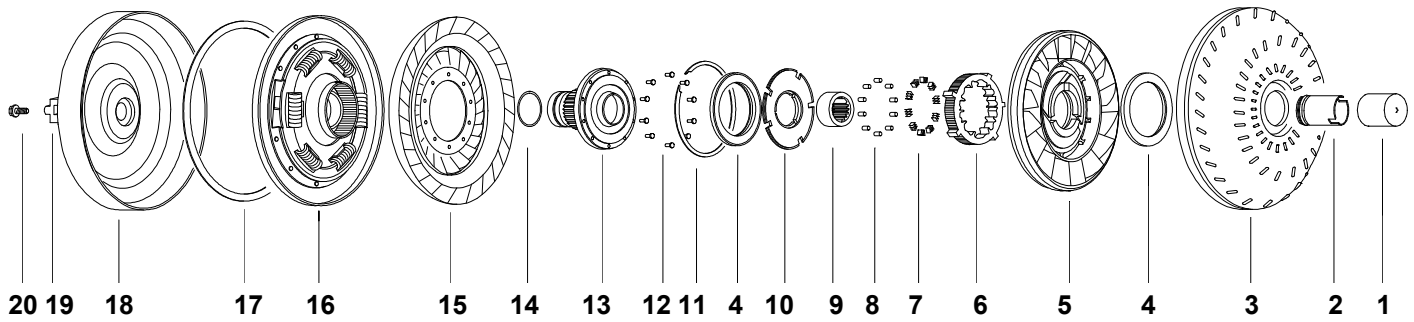
Thick.

SW-9-52 Thru 57

GM 298mm LOCKUP *Continued* **250C, 350C, 700-R4, 4L60E**

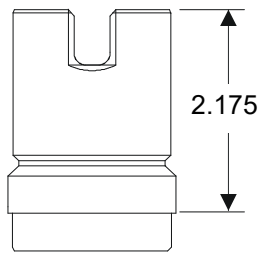
ILL.#	DESCRIPTION	QTY.	PART #
15	Turbine Hub For O.E. Turbines	Weld-In, O.E. Style, 27 Spline Weld-In, O.E. Style, 30 Spline Weld-In, Tapered Flange, 27 Spline Weld-In, Tapered Flange, 30 Spline Weld-In, Straight Flange, 30 Spline Weld-In, .084" Thick Flange, 27 Spline Weld-In, .084" Thick Flange, 30 Spline Weld-In, .22" Thick Flange, 27 Spline Weld-In, .22" Thick Flange, 30 Spline Weld-In, E-Z Weld Flange, 27 Spline, Fastest Installation Weld-In, .20" Thick Flange, 27 Spline Weld-In, E-Z Weld Flange, 30 Spline, Fastest Installation Weld-In, .20" Thick Flange, 30 Spline Rivet-In, 27 Splines, Use SX-12-4 Rivet Rivet-In, 30 Splines, Use SX-12-4 Rivet	SX-13-27HT SX-13-30HT SX-13-27FFHT SX-13-30FFHT SX-13-30FSHT SX-13-27WHT SX-13-30WHT SX-13-31HT SX-13-16HT SX-13-27JFHT SX-13-27PHT SX-13-30JFHT SX-13-30PHT SX-13-3HT SX-13-4HT
	For TH200 Non-Lockup Turbines	(Reshaping Of Turbine Necessary In Most Cases) Retains Lockup Function, 27 Splines, Use FX-12 Rivets Retains Lockup Function, 30 Splines, Use FX-12 Rivets Lockup Eliminator, 30 Splines, Use FX-12 Rivets To Convert Entire TH-200 To TH-350 Lockup Eliminator	SX-13-5HT SX-13-6HT SX-13-7HT SX-13-350HT
N.I.	Insert	27 Splines, Salvage Type, 1-3/16" O.D., 1.20" High	SX-13-27X
16	Spring, Wave	First Type, Heat Treated, 2.01" O.D., 1.60" I.D. Heavy Duty, Heat Treated, 3.16" O.D., 1.60" I.D., .02" Thick	SW-9-6 SW-9-10
17	Rivet	Pressure Plate	4 SX-12-2
18	Valve, Poppet,	Use 4 SX-12-5 Rivets	4 SX-23-8
N.I.	Assembly	Poppet Eliminator	2 SX-12-9
19	Damper & Press. Plate	Assembly, Non-Poppet	SX-23-3E
20	Washer, Conical, Phenolic	Casting #2, 14.6mm Thick Casting #3, 15.1mm Thick Casting #4, 15.5mm Thick Casting #5, 15.9mm Thick Casting #6, 16.3mm Thick Casting #7, 16.8mm Thick	SW-9-52 SW-9-53 SW-9-54 SW-9-55 SW-9-56 SW-9-57
N.I.	Spacer	Lockup Eliminator, 2.50" O.D., 1.46" I.D., 1.52" Thick	SW-9-150
21	O-Ring	Fluorocarbon With PTFE Coating, Orange Oversize, Salvages Clutch Plate, Green	SO-23-1 SO-23-1A
22	Lining	11.125" O.D., 10.000" I.D., .045" Thick 11.125" O.D., 9.500" I.D., .070" Thick	SX-23-4K* SX-23-76X70EHC*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
23	Snubber	2-7/8" O.D., 2-3/8" I.D., .045" Thick 2-7/8" O.D., 2-3/8" I.D., .070" Thick	SX-23-LS45 SX-23-LS70
N.I.	Sleeve, Pilot	Requires Machining, Press-On (Restores Pilot Diameter)	SX-22-10
N.I.	Button, Pilot	No Machining, Weld-On (Restores Pilot Diameter) Self Centering See Page 7-50 For Pilot Program	SX-23B SX-23C
24	Cover, Front		SX-22-9
25	Boss, Mounting	Threaded M10 - 1.5	3 SX-10
26	Bolt	M10 × 1.5 × 15mm Long, O.E. # 01261968	3 B-78
N.I.	Salvage Ring™	Core Saver™, Restores Matching Step	SX-21-972

GM 300mm LOCKUP, 4L60E

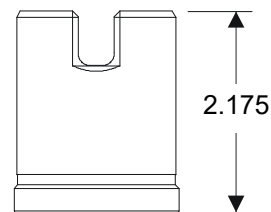


ILL. # 2

IMPELLER HUB, 1.748" DIA.



SH-1-32G

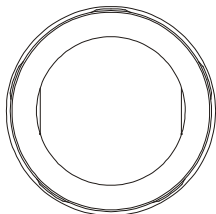


SH-1-12G

Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"-Hardness Rc 32-36

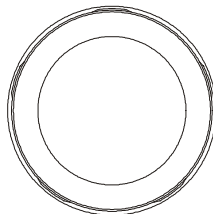
ILL. # 4

BEARINGS



SW-2-24

O.D. 3.65"
I.D. 2.60"
Thick. .15"

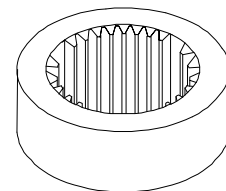


SW-2-33
*Replaces SW-2-24
on impeller side*

O.D. 3.65"
I.D. 2.60"
Thick. .18"

ILL. # 9

INNER RACE



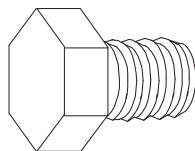
SX-14-3

O.D. 2.16"
I.D. .88"
27 Spline
(3 Removed)

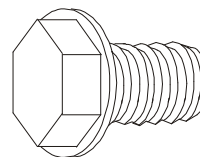
ILL. #20

BOLTS

M10 x 1.5 x 15mm Long



B-78

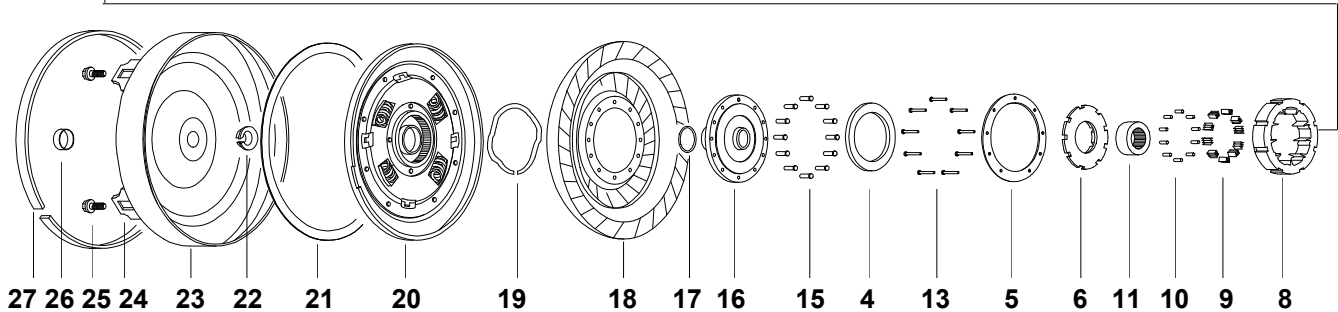
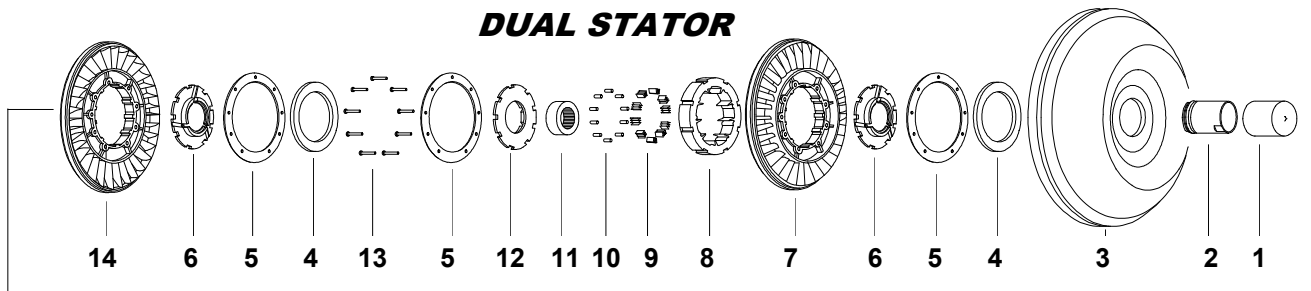
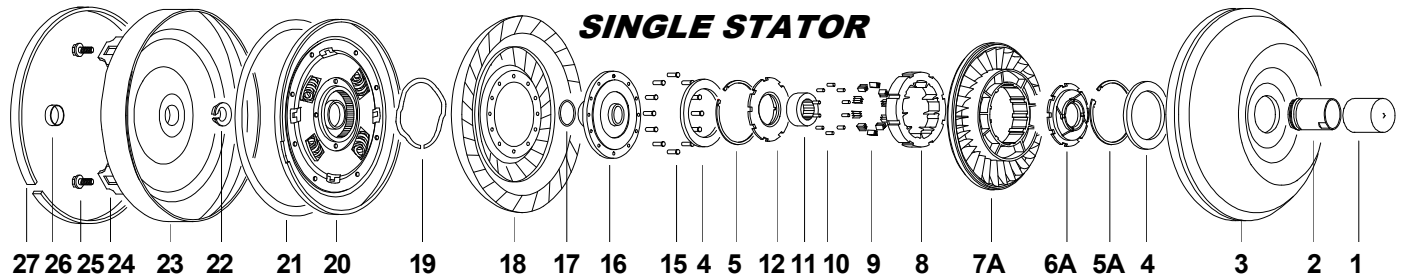


B-79

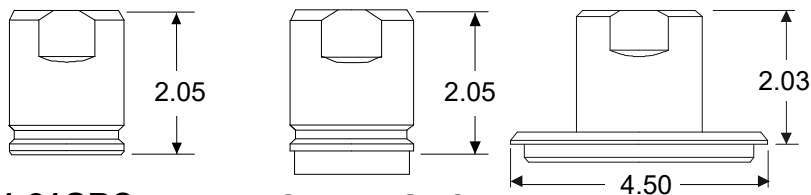
GM 300mm LOCKUP, 4L60E

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Blue, For 1.748" Dia. Hubs		MHC-BU
2	Hub, Impeller	1.74"Dia., 2.175" Mounting Height 1.74"Dia., 2.175" High		SH-1-32G SH-1-12G
3	Impeller			
4	Bearing	Enclosed, 3.65" O.D., 2.60"I.D., .16" Thick Enclosed , 3.65" O.D., 2.60"I.D., .18" Thick, Impeller Side	2	SW-2-24 SW-2-33
5	Stator			
6	Cam			
7	Spring, Accordion	.560" x .227", 3 Folds	10	SS-6
8	Roller	.312" Dia., .573" Long	10	SR-7
9	Race, Inner	27 Spline, 3 Removed, 2.16" O.D., .88" High		SX-14-3
10	Cap, Stator			
11	Ring, Snap			
12	Rivet, Solid	Solid, .193" Shank Dia., .380" Long	10	WX-12BS
13	Turbine Hub	55 Ext., 30 Int. Spline, 4.66" O.D.		SX-13-35HT
14	O-Ring	Fluorocarbon, 1.489" I.D. x 0.065". For viscous damper Fluorocarbon, 1.496" I.D. x 0.079". For viscous damper, oversized		SO-23-28 SO-23-39
15	Turbine			
16	Lockup Clutch	6 Springs		SX-23-37
N.I.	Rivet	Lockup Clutch, .198" Shank Dia., .515" Long	12	SX-12-14
17	Lining	Carbon, 11-1/8" O.D., 10" I.D., .045" Thick		SX-23-4C*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
18	Cover, Front			
19	Pad, Mounting			
20	Bolt	M10 × 1.5, 15mm Long, O.E.# 01261968 M10 × 1.5 × 15mm Long, O.E. #25509226		B-78 B-79

GM 310mm LOCKUP, 4L80E single & dual stator



ILL. #2 IMPELLER HUBS, 1.999" DIA.



SH-1-21GRC, 1.50" I. D.
SH-1-43GRC, 1.60" I. D.
SH-1-46GRC (See Pg. 7-21)

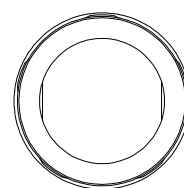
SH-1-22GRC

SH-1-25GRC

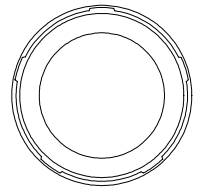
Suffix Code: No Suffix - Unfinished,
 "G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. #4 BEARINGS

O.D. 3.66"	O.D. 3.84"
I.D. 2.96"	I.D. 2.74"
Thick. .155"	Thick. .19"



SW-2-24

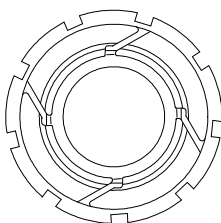


SW-2-18

ILL. #6A, 6, 12

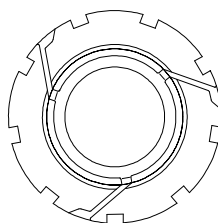
STATOR CAPS

Single Stator O.D. 4.26"
 I.D. 2.00"
 Thick. .68"



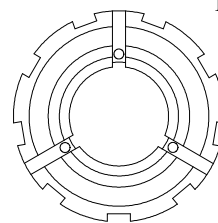
SW-4-11

Dual Stator O.D. 4.26"
 I.D. 2.00"
 Thick. .28"



SW-4-12

Dual Stator O.D. 4.26"
 I.D. 2.00"
 Thick. .24"

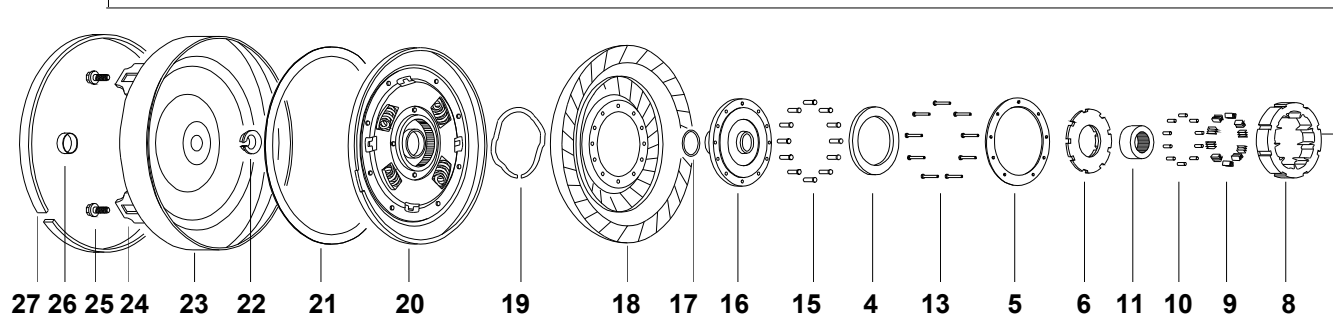
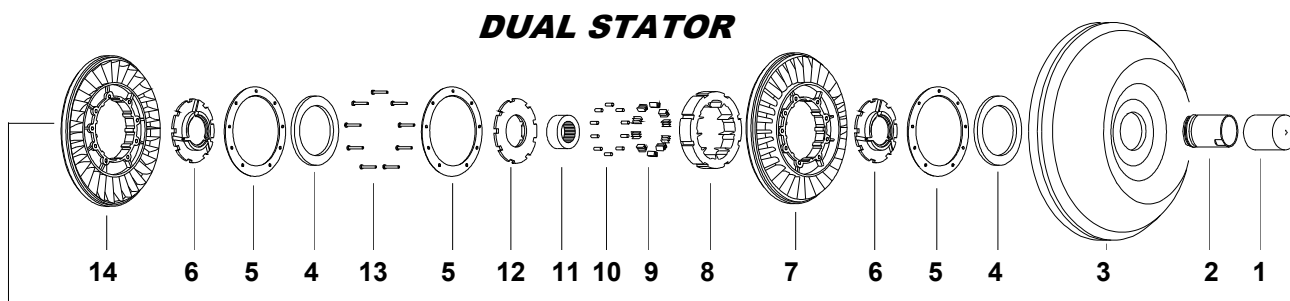
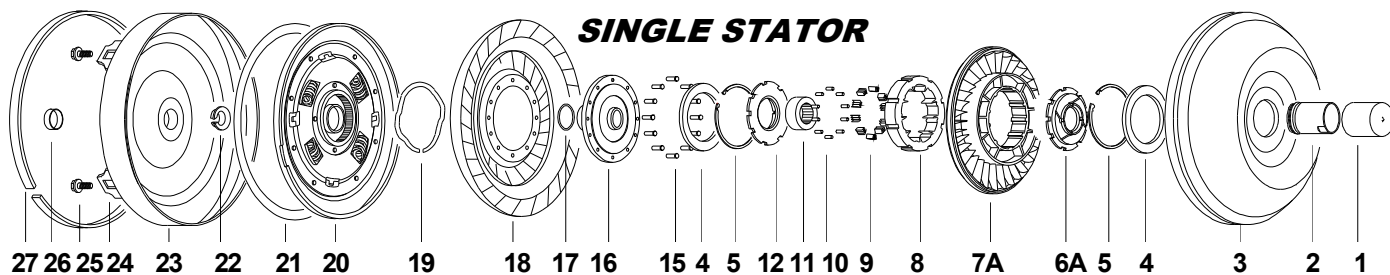


SW-4-13

GM 310mm LOCKUP, 4L80E *Continued*
single & dual stator

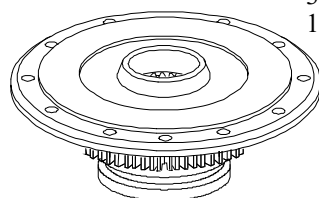
ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Red For 2" Dia. Hubs		MHC-R
2	Hub, Impeller	Butt Mount, 1.50" I.D.		SH-1-21GRC
		Butt Mount, 1.60" I.D.		SH-1-43GRC
		Thru Mount		SH-1-22GRC
		Flanged		SH-1-25GRC
		Late, Single Stator, 2.70 High		SH-1-46GRC
3	Impeller			
4	Bearing	Enclosed Type	2/3	SW-2-18
		Enclosed , 4L80E Late, for SH-1-46GRC		SW-2-24
		3.65" O.D., 2.60" I.D., .16" Thick		
		Enclosed , 3.65" O.D., 2.60" I.D., .18" Thick, Impeller Side		SW-2-33
N.I.	Shim	For SW-2-18, 3.73" O.D., 2.75" I.D., .010" Thick		SW-2-310
		.020" Thick		SW-2-320
		.030" Thick		SW-2-330
5	Retainer	Steel, 5.19" O.D., 4.03".06" Thick	4	SX-5-110
5A	Ring, Snap	Single Stator	2	
6	Cap, Stator	Aluminum, Front and Rear, Dual Stator, 8679548	3	SW-4-12
6A		Aluminum, Front and Rear, Single Stator, 8676521, 8679574	2	SW-4-11
7	Stator	8658321, Dual Stator, Rear		
7A		8653834, 8674194 Single Stator		
8	Cam	Outer	1/2	
9	Spring, Accordion	.825" High, Single Stator	9	SS-6-3
		.525" High, Dual Stator	18	SS-6-4
10	Roller	.358" x .825", Single Stator	9	SR-7-3
		.358" x .535", Dual Stator	18	SR-7-4
11	Race, Inner	37 Splines, 1.240" High, Single Stator	1	SX-14-5
		37 Splines, .842" High, Dual Stator	2	SX-14-6
12	Cap, Stator	Aluminum, 8653854, Front, Single Stator	1	SW-4-13
13	Rivet	Dual Stator, .18" Shank Dia., 1.00" Long	18	SX-12-11
14	Stator	Dual Stator, Front 8658320		
15	Rivet	Turbine Hub, .224" Shank Dia., .500" Long	12	SX-12-10

GM 310mm LOCKUP, 4L80E *Continued* **single & dual stator**



ILL. #16

TURBINE HUB

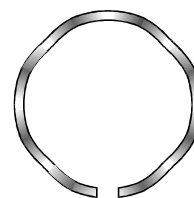


SX-13-10HT

O.D. 5.71"
 35 Int. Spline
 102 Ext. Spline

ILL. #19

WAVE SPRING

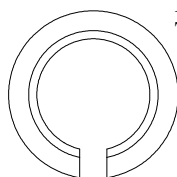


SW-9-15

O.D. 3.71"
 I.D. 3.36"

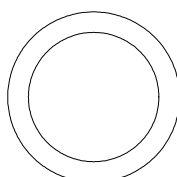
ILL. #22

THRUST WASHER & SHIM



SW-9-14

O.D. 1.87"
 I.D. 1.25"
 Thick. .32"

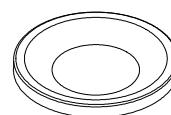


WW-9-1

O.D. 1.91"
 I.D. 1.45"
 Thick. .01"

N.I.

PILOT BUTTON



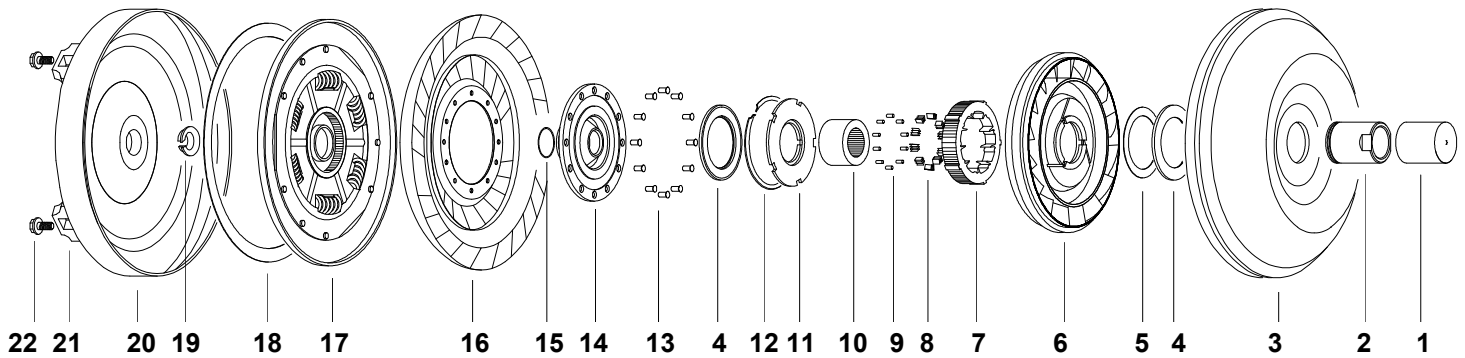
SX-23B

O.D. 1.70"
 I.D. 0.88"
 Height 3/16"

GM 310mm LOCKUP, 4L80E Continued
single & dual stator

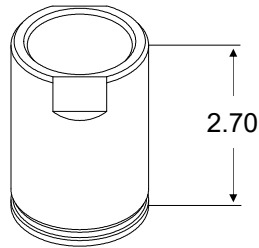
ILL.#		DESCRIPTION	QTY.	PART #
16	Turbine Hub	35 Int., 102 Ext. Spline		SX-13-10HT
17	O-Ring	Viton®, Teflon®, 1-7/8" I.D., 1/16" Thick		SO-23-24
		Viton® Teflon®, 1-7/8" Oversized, I.D. , 5/64" Thick		SO-23-24A
18	Turbine			
19	Spring, Wave	O.E. Style, 3.71" O.D., 3.36" I.D.		SW-9-15
20	Lockup Clutch			SX-23-23
N.I.	Drive Plate	Damper, 4 External Lugs (Use SX-12 Rivets)		SX-23-26
N.I.	Sleeve	Clutch Bore Salvage, To Repair O-Ring Bore		SX-23-41
N.I.	Spring	Damper, Inner	4	SX-23-28
		Damper, Outer	4	SX-23-29
N.I.	Rivet	Lockup Clutch, .198" Shank Dia., .515" Long		SX-12-14
21	Lining	11-9/16" O.D., 10-5/16" I.D., .045" Thick		SX-23-25K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
22	Washer, Turbine	Aluminum, "C" Type		SW-9-14
	Shim	For Above, .01" Thick		WW-9-1
23	Cover, Front			
24	Boss, Mounting	Threaded, M10 x 1.5		
25	Bolt	M10 x 1.5, 15mm Long, O.E. #25509226	6	B-78
26	Sleeve	Pilot		SX-22-10
N.I.	Button, Pilot	E-Z Weld™, Precision, No Machining Needed		SX-23B
		E-Z Weld™, Unfinished		SX-23BX
		Self Centering		SX-23C
<i>See Page 7-50 For Pilot Program</i>				
27	Salvage Ring™	Core Saver™, .375" Wide		SX-23-1054
		.250" Wide		SX-23-1054NR

GM 310mm 4L80-E LATE (SINGLE STATOR)



ILL. #2

IMPELLER HUB, 1.999" DIA.

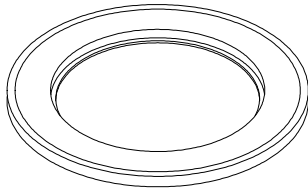


SH-1-46G

Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. #4

BEARING

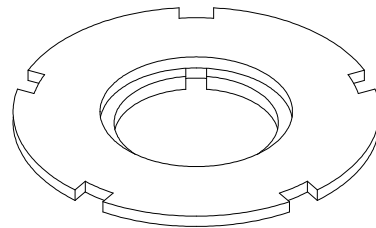


O.D. 3.65"
I.D. 2.96"
Thick. .155"

SW-2-24

ILL. #11

STATOR CAP

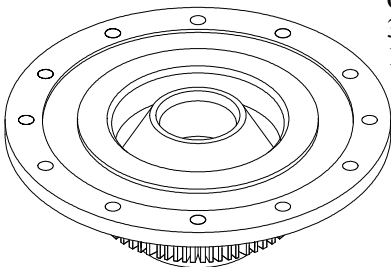


O.D. 4.26"
I.D. 1.93"
Thick. .32"

SW-4-26

ILL. #14

TURBINE HUB

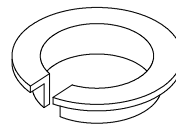


O.D. 5.71"
35 Int. Spline
102 Ext. Spline

SX-13-34HT

ILL. #19

THRUST WASHER



O.D. 1.87"
I.D. 1.25"
Thick. .32"

SW-9-14

GM 310mm 4L80-E LATE (SINGLE STATOR)

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	For 2" Dia. Hubs		MHC-R
2	Hub, Impeller	Butt Mount		SH-1-46G
3	Impeller			
4	Bearing	Enclosed , 3.65" O.D., 2.60"I.D., .16" Thick	2	SW-2-24
		Enclosed , 3.65" O.D., 2.60"I.D., .18" Thick, Impeller Side		SW-2-33
5	Shim	3.44" O.D., 2.59" I.D., .010" Thick		SW-2-410
		.020" Thick		SW-2-420
		.030" Thick		SW-2-430
6	Stator	OE # 24205897		
7	Cam	Outer		
8	Spring, Accordion	.825 High	9	SS-6-3
9	Roller	.358" Dia. x .825"	9	SR-7-3
10	Race, Inner	37 Spline (3 Removed), 1.240" High		SX-14-5
11	Cap, Stator	Aluminum, 4.26" O.D., 1.93 I.D., .32 Thick		SW-4-26
12	Ring, Snap			
13	Rivet	.224" Shank Dia., .500" Long	12	SX-12-10
14	Turbine Hub	35 Int., 102 Ext. Spline, 5.71" O.D.		SX-13-34HT
15	O-Ring	1.848" I.D. x .072", .045" Thick.		SO-23-24
16	Turbine			
17	Damper Assembly			
N.I.	Rivet	Damper Assembly, .198" Shank Dia., .515" Long	9	SX-12-14
18	Lining	11-9/16" O.D., 10-5/16" I.D.		SX-23-25K*
		11-5/8" x 10-3/8" x .045"		SX-23-47K*
		12-1/2" x 10-3/4" x .045"		SX-23-49K*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
19	Washer, Turbine	Aluminum, "C" Type		SW-9-14
20	Cover, Front			
21	Boss, Mounting	Threaded, M10 x 1.5	6	
22	Bolt	M10 x 1.5, 15mm Long, O.E. 25509226	6	B-78

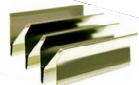
GM 6L80, 6L80E, 6L90 300mm

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia.: 1.750"/44.5mm Length 1.500" /38.1mm		MHC-BU
Hub Impeller	For 6L80 Material: Hardened Steel Hub Mount: Butt Mount Pump Drive Style: Slots	Assembled Height 2.380" /60.5mm Journal Dia.: 1.834" /46.6mm		SH-1-57GRC
Hub Impeller	late 6L80 & 6L90 Material: Hardened Steel. Hub Mount: Flanged. Pump Drive Style: Slots	Assembled Height 2.527"/64.2mm Height 2.830" /71.9mm Journal Dia.: 1.834"/46.6mm Flange Dia.: 4.193" /106.5mm		SH-1-64GRC
Bearing	For 6L80 Early. Impeller side Material: Hardened Steel, Enclosed	O.D.: 3.661" /93.0mm I.D.: 2.598" /66.0mm Thick.: 0.179"/4.5mm		SW-2-33
Bearing	Impeller side, late 6L80 & 6L90, 6L80E Material: Hardened Steel Semi-Enclosed	O.D.: 3.583" /91.0mm I.D.: 2.502" /63.6mm Thick.: 0.159" /4.0mm		SW-2-39
Bearing Race	Impeller side, late 6L80 & 6L90, 6L80E Material: Hardened Steel	O.D.: 3.420" /86.9mm I.D.: 2.600" /66.0mm Thick.: 0.077" /2.0mm 3 I.D. Tang		SW-2-41
Cam, Outer	Material: Steel	O.D.: 3.602" /91.5mm Length: 0.591" /15.0mm 10 Pocket		SX-15A
Accordion Spring	Material: Steel 10 Required, 4 Fold	Width: 0.560" /14.2mm Relaxed Height: 0.225"/5.7mm Relaxed Length: 0.438"/11.1mm		SS-6
Roller	Material: Steel 10 Required	Length: 0.572" /14.5mm O.D.: 0.312"/7.9mm		SR-7
Inner Race	Material: Hardened Steel	O.D.: 2.156" /54.8mm Length: 0.875" /22.2mm 36 Internal Spline		SX-14-10
Stator Cap	Material: Aluminum	O.D. 4.261" /108.2mm I.D. 1.940" /49.3mm Thick. 0.302"/7.7mm		SW-4-30
Bearing	Late 6L80 & 6L90 Turbine Side Material: Hardened Steel	O.D. 3.577" /90.9mm I.D. 2.517" /63.9mm Thick. 0.239"/6.1mm		SW-2-40
Bearing	For 6L80 Early. Turbine Side Material: Hardened Steel, Enclosed	O.D. 3.661"/93.0mm I.D. 2.598" /66.0mm Thick. 0.179"/4.5mm		SW-2-33

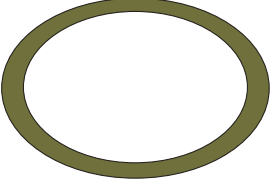
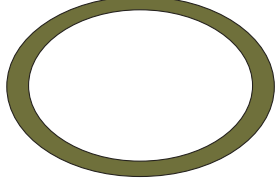
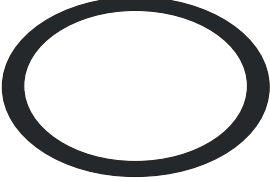
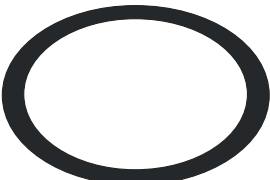
GM 6L80, 6L80E, 6L90 300mm, Continued

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Rivet	Turbine hub, 10 req. Rivet Type: Solid Rivet Head: Flat	Length 0.500"/12.7mm Shank Dia.: 0.193"/4.9mm Head Dia.: 0.333"/8.5mm		SX-12-16
Turbine Hub	Material: Steel	36 Internal Spline 55 External Spline		SX-13-41HT
Turbine Hub	Material: Steel, Stepped, Chamfered Nose	36 Internal Spline 55 External Spline		SX-13-45HT
Rivet	Piston, 6 req. Rivet Type: Solid Rivet Head: Flat	Length 0.485"/12.3mm Shank Dia.: 0.235"/6.0mm Head Dia.: 0.300"/7.6mm		SX-12-19
Rivet	Piston, 6 req. Rivet Type: Solid Rivet Head: Flat	Length 0.574"/ 14.6mm Shank Dia.: 0.235"/6.0mm Head Dia.: 0.300" /7.6mm Only for High Performance		SX-12-20
O-Ring	Material: Fluorocarbon	I.D.: 2.300" /58.4mm Cross Section 0.103"/2.6mm		SO-23-36
O-Ring Oversized	Material: Fluorocarbon	I.D.: 2.300" /58.4mm Cross Section 0.111"/2.8mm		SO-23-46
Turbine Washer	6L80, 6L90 (300mm), 6L90 (Captive Clutch) Material: Phenolic	O.D. 3.150"/80.0mm I.D. 2.557"/64.9mm Thick. 0.047"/1.2mm 4 Inner Notch		SW-9-23
Repair Plate Core Saver™	Material: Steel, use to renew the surface of the clutch plate. Tri Unique Development	O.D.: 11.35" /288.3mm I.D.: 9.35" /237.5mm Thick.: .120"/3.0mm		SX-23-68
Lining	Material: Kevlar®	O.D.: 11.125" /282.6mm I.D.: 9.813" /249.3mm Thick.: 0.045" /1.1mm		FX-23-52K*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
Spring Retainer Plate	OE design, Stamped. Use with SX-12-19 Rivets (6)	O.D.:8.230" / 209.0mm I.D. 3.245" / 82.4mm		SX-23-74
Front Cover	Fully Machined Forged Steel			SX-22-12
Bolt Hex Head	Bolt Head: Flanged	M10-1.50 x 15mm		B-78

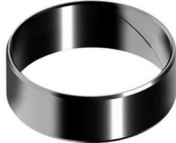
GM 6L90 Captive Clutch

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia.: 1.750"/44.5mm Length 1.500" /38.1mm		MHC-BU
Hub Impeller	Material: Hardened Steel Hub Mount: Flanged Pump Drive Style: Slots	Assembled Height 2.527"/64.2mm Height 2.830" /71.9mm Journal Dia.: 1.834"/46.6mm Flange Dia.: 4.193"/106.5mm		SH-1-64GRC
Bearing	Impeller Side Material: Hardened Steel Semi-Enclosed	O.D. 3.583" /91.0mm I.D. 2.502" /63.6mm Thick. 0.159" /4.0mm		SW-2-39
Bearing Race	Impeller Side Material: Hardened Steel 3 I.D. Tang	O.D. 3.420" /86.9mm I.D. 2.600" /66.0mm Thick. 0.077" /2.0mm		SW-2-41
Cam, Outer	Material: Steel	O.D. 3.602" /91.5mm Length 0.591" /15.0mm 10 Pocket		SX-15A
Accordion Spring	Material: Steel 4 Fold 10 Required	Width 0.560"/14.2mm Relaxed Height 0.225"/5.7mm Relaxed Length 0.438"/11.11		SS-6
Roller	Material: Steel 10 Required	Dia.: 0.312"/7.9mm Length 0.572" /14.5mm		SR-7
Inner Race	Material: Hardened Steel 36 Internal Spline	O.D. 2.156" /54.7mm Length 0.875" /22.2mm		SX-14-10
Stator Cap	Turbine Side Material: Aluminum	O.D. 4.265" /108.3mm I.D. 1.930" /49.0mm Thick. 0.430" /10.9mm		SW-4-31
Bearing	Turbine Side Material: Hardened Steel Enclosed	O.D. 3.577" /90.9mm I.D. 2.517" /63.9mm Thick. 0.239" /6.1mm		SW-2-40
Rivet	Rivet Type: Solid Rivet Head: Flat 10 Required	Length 0.500"/12.7mm Shank Dia.: 0.193"/4.9mm Head Dia.: 0.333"/85.0mm		SX-12-16

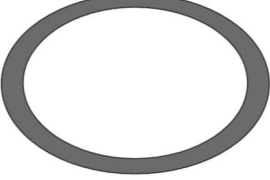
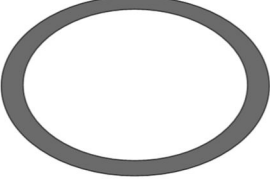
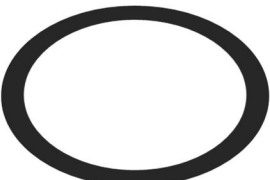
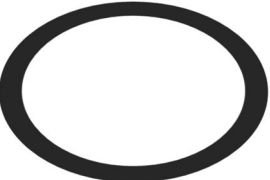
GM 6L90 Captive Clutch, Continued

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Turbine Washer	6L80, 6L90 (300mm), 6L90 (Captive Clutch) Material: Phenolic	O.D. 3.150" /80.0mm I.D. 2.557" /64.9mm Thick. 0.047" /1.2mm 4 Inner Notch		SW-9-23
Seal Ring	Piston Material: PTFE Color: Black Seal Style: Solid	O.D. 2.586" /65.7mm Width 0.113" /2.9mm Height 0.081" /2.0mm		SO-23-43
Lining	Material: Kevlar®	O.D. 10.125" /257.2mm I.D. 9.000" /228.6mm Thick. 0.045" /1.1mm		FX-23-65K
Lining	Material: Kevlar®	O.D. 10.125" /257.2mm I.D. 9.000" /228.6mm Thick. 0.070" /1.8mm		FX-23-65X70K
Lining	Material: High Carbon	O.D. 10.125" /257.2mm I.D. 9.000" /228.6mm Thick. 0.045" /1.1mm		FX-23-65HC
Lining	Material: High Carbon	O.D. 10.125" /257.2mm I.D. 9.000" /228.6mm Thick. 0.070" /1.8mm		FX-23-65X70HC*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
Rivet	Rivet Type: Solid Rivet Head: Flat Front Cover 6 Required	Length 0.296" /7.5mm Shank Dia. 0.196" /5.0mm Head Dia.: 0.310" /7.9mm		SX-12-15
Bolt Hex Head	Bolt Head: Flange	M10-1.50 x 15mm		B-78

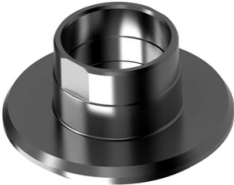
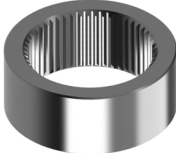
GM 6T70 / 6T75

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Red	For Hub Dia.: 2.000"		MHC-R
Bushing	Material: Steel-Backed Alloy	Housing Bore 1.740" Width 0.610" Shaft Dia.: 1.622"		SB-18-6
Impeller Hub	Material: Hardened Steel Flanged	Assembled Height 1.530" Height 1.720" Journal Dia.: 2.059" Flange O.D.: 3.500"		SH-1-63GRC
Bearing	Impeller Side Enclosed	O.D. 3.365" I.D. 2.402" Thick. 0.213" Flange Dia.: 3.405"		SW-2-34
Bearing	Turbine Side. OE replacement Enclosed	O.D. 2.869" I.D. 1.896" Thick. 0.179"		SW-2-35
Bearing	Enclosed	O.D. 2.821" I.D. 1.900" Thick. 0.181"		TW-2-4
Rivet	Solid Flat Head 12 Required	Length .380" Shank Dia.: 0.238" Head Dia.: .380"		SX-12-18
Turbine Hub	Material: Steel 27 Internal Spline			SX-13-43HT

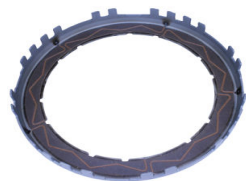
GM 6T70 / 6T75, Continued

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Metal Clad Seal	Material: Fluorocarbon	Housing Bore 0.906" Shaft Dia. 0.639"		SO-23-41
O-Ring	Material: Fluorocarbon	I.D. 1.174" Cross Section 0.103"		SO-23-42
Lining	Material: Kevlar®	O.D. 10.200" I.D. 9.200" Thick. 0.045"		NX-23-12K
Lining	Material: Kevlar®	O.D. 10.200" I.D. 9.200" Thick. 0.070"		NX-23-12X70K
Lining	Material: High Carbon	O.D. 10.200" I.D. 9.200" Thick. 0.045"		NX-23-12HC
Lining	Material: High Carbon	O.D. 10.200" I.D. 9.200" Thick. 0.070"		NX-23-12X70HC*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
Turbine Washer	8 Outer Notches	O.D. 1.484" I.D. 1.010" Thick. 0.136"		SW-9-19
Turbine Washer	8 Outer Notches	O.D. 1.484" I.D. 1.010" Thick. 0.154"		SW-9-21

GM 8L90

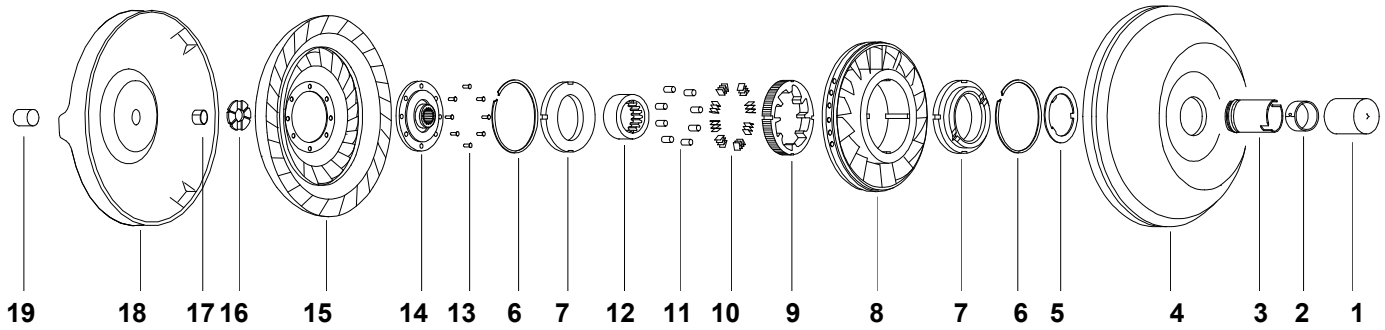
	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Black	For Hub Dia.: 2-5/16"/ 58.7mm		MHC-CL
Impeller Hub	Material: Hardened Steel Flanged	Assembled Height: 1.723" Flange O.D.: 4.170" Height: 1.866" Journal Dia.: 2.307"		SH-1-66FLG
Bushing	Impeller Hub. Material: Steel Backing, Aluminum	Housing Dia: 1.900"/48.3mm Shaft Dia: 1.771"/45.0mm Width .460"		SB-18-7
Bearing	Semi-enclosed, Impeller Side Material: Hardened Steel	O.D.: 3.583"/ 91.0mm I.D.: 2.502"/ 63.6mm Thick.: .159"/ 4.0mm		SW-2-39
Bearing	Impeller Side Material: Hardened Steel Tag s - 3.	O.D.:3.420"/ 86.9mm I.D.: 2.600"/ 66.0mm Thick.: 0.077"/ 2.0mm		SW-2-41
Accordion Spring	Material: Steel Fold Count: 3	Width: 0.470"/11.9mm Relaxed Height: 0.225"/5.7mm Relaxed Length: 0.450"/11.4mm		SS-6-7
Roller	Material: Hardened Steel	Dia.: 0.312"/ 7.9mm Length: .480"/ 12.2mm		SR-7-6
Inner Race	Material: Hardened Steel	O.D.: 2.155"/ 54.7mm Length: .870"/ 22.1mm Tooth Count: 54		SX-14-11
Bearing	Turbine Side Material: Hardened Steel Enclosed	O.D.: 3.380"/ 85.9mm I.D.: 2.500"/ 63.5mm Thick.: .140"/3.55mm		SW-2-11

GM 8L90

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Seal	Piston Material: PTFE Solid Style	O.D.: 2.393"/ 60.8mm Height: .128"/ 3.3mm Width: .098"/ 2.5mm		SO-23-30
Seal	Piston Material: Polyimide Late Production Only	O.D.: 1.696"/ 43.1mm Width: .095"/ 2.4mm		PO-25-13
Lining	Material: Kevlar®, grooved	O.D.: 9.850"/ 250.2mm I.D.: 8.675"/ 220.3mm Thick.: .045"/ 1.1mm		SX-23-71MK*
Lining	Material: High Carbon	O.D.: 9.830"/ 249.7mm I.D.: 8.660"/ 220.0mm Thick.: .045"/ 1.1mm		SX-23-75HC*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
Clutch Plate	Material: Steel & 2 linings, 30 Teeth	O.D.: 10.37"/ 263.4mm I.D.: 8.51"/ 216.2mm Thick.: 0.16"/ 4mm		SX-26-2
Clutch Plate	Small Unit Torque Converter. Material: Steel & 2 linings			SX-26-3

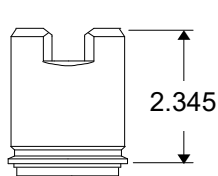
GM TH180

Strassbourg, Trimatic, G.M.-3, Corvair, Tempest

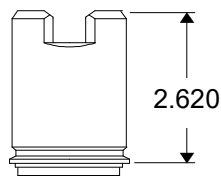


ILL. # 3

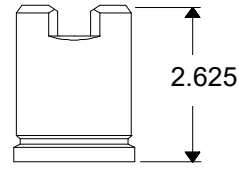
IMPELLER HUBS, 1.874" DIA.



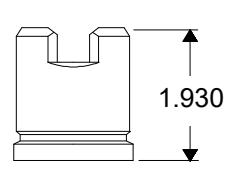
CH-1-7G



CH-1-8G



CH-1-8TG



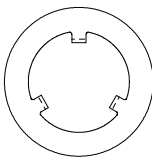
SH-1-36G

Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"-Hardness Rc 32-36

ILL. # 5

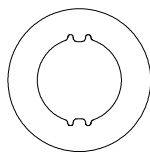
STEEL WASHERS

O.D. 2.86"
I.D. 1.76"
Thick. .02"



CW-2-2

O.D. 2.86"
I.D. 1.83"
Thick. .05"

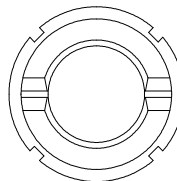


CW-2-3

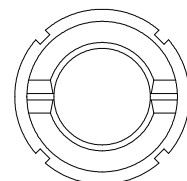
ILL. #7

STATOR CAPS

O.D. 3.23"
I.D. 1.78"
Thick. .41"



CW-4-1
Aluminum

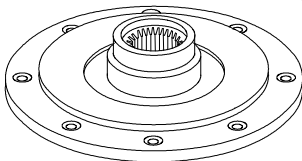


CW-4-1P
Phenolic

ILL. #14

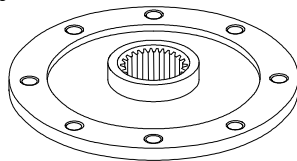
TURBINE HUBS

3.64" O.D.
22 Spline



CX-13-2HT

4.47" O.D.
22 Spline

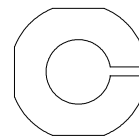


SX-13-8HT

ILL. #16

WASHER

O.D. 2.42"
I.D. 1.18"
Thick. .13"



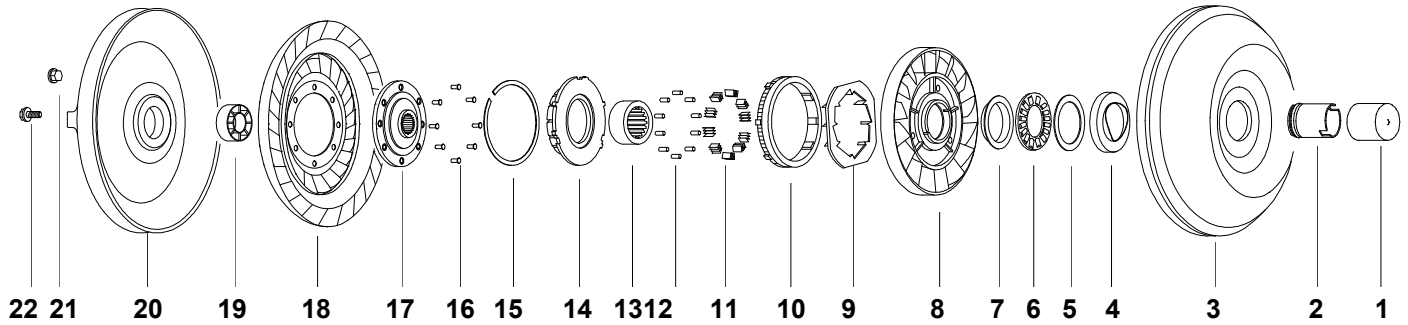
CW-9-1F

GM TH180

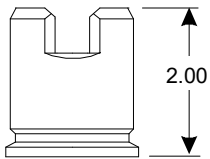
Strassbourg, Trimatic, G.M.-3, Corvair, Tempest

ILL. #		DESCRIPTION	QTY.	PART #
1	Hubcap®	Black™, For 1-7/8" Dia. Hubs		MHC-Y
2	Bushing, Hub	Corvair, 1.41" I.D.		CB-18-1
		Tempest, 1.69" I.D.		CB-18-2
3	Hub, Impeller	2.35" High		CH-1-7G
		2.62" High		CH-1-8G
		Butt Style		CH-1-8TG
		Butt Style		CH-1-36G
4	Impeller			
5	Washer, Steel	3 Internal Tabs		CW-2-2
		Tempest		CW-2-3
6	Ring, Snap		2	CX-20
7	Cap, Stator	Passenger		CW-4-1/1P
		With Recess To Pilot CX-14 , High Performance		CW-4-1B/1A
8	Stator	Low Stall, O.E. #3473073		CX-5-12
		Medium Stall, O.E. #347016		CX-5-13
		High Stall, O.E., #3473063		CX-5-9
9	Cam			CX-15-2
10	Spring, Accordion	4 Folds, .500" Wide, .28" High	8	CS-6-1
11	Roller	.31" Dia., .54" Long	8	CR-7-1
12	Race, Inner	High Performance, 27 Spline, 2.19" O.D., .94" High		CX-14
		Passenger, 27 Spline, 2.19" O.D., 1.31" I.D., .56" High		CX-14-1
		Chrysler, 27 Spline, 2.19" O.D., 1.11" I.D., .56" High		CX-14T
13	Rivet	.193" Shank Dia., .31" Long	8	WX-12A
14	Turbine Hub	Opel, Holden, Corvair, Tempest, Etc., 22 Splines		CX-13-2HT
		Peugeot, Fiat, 22 Spline		SX-13-8HT
15	Assembly, Turbine			
N.I.	Kit, Vane	29 Pieces		CX-8-29K
16	Washer, Turbine	Fibre, Replaces Bronze		CW-9-1F
17	Bushing, Cover	Opel, .63" O.D., .50" I.D., .50" High		CB-18-3
		Chrysler, 1.38" O.D., 1.25" I.D., .44"		TB-18-9
18	Cover, Front			
19	Pilot			CX-17-2
N.I.	Ring Gear	Corvair, 147 Teeth		RG-147

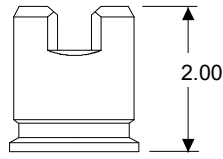
GM TH200



ILL. # 2 IMPELLER HUBS, 1.748"O.D



SH-1-2G

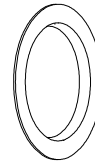


SH-1-41G

*Suffix Code: No Suffix-Unfinished,
"G" - Finish Ground, "RC"-Hardness Rc 32-36*

ILL. # 4,5,6,7 BEARING & RACES

O.D. 2.06"
I.D. 1.54"



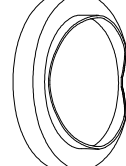
SW-2-6

O.D. 2.18"
I.D. 1.50"



SW-2-1

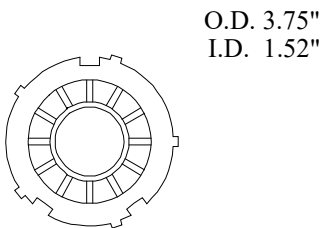
O.D. 2.25"
I.D. 1.44"



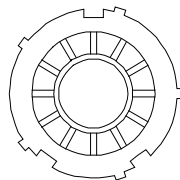
SW-2-4

SW-2-3K

ILL. # 14 STATOR CAP



SW-4-3 .52" Thick

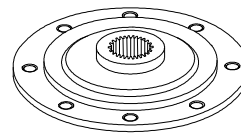


SW-4-4 .61" Thick

Improved Design Shown

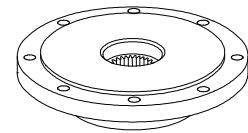
ILL. #17 TURBINE HUBS

O.D. 4.44"
27 Spline



SX-13-2HT

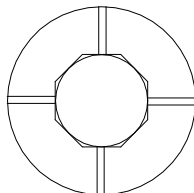
O.D. 4.44"
30 Spline



SX-13-350HT

Conversion

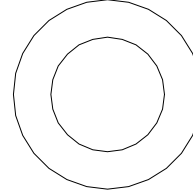
ILL. #19 TURBINE WASHER



SW-9-200

O.D. 2.45"
I.D. 1.21"
Thick. .72"

N.I. SHIM



TW-9-010, Thick. .01"

TW-9-020, Thick. .02"

TW-9-030, Thick. .03"

O.D. 2.40"
I.D. 1.45"

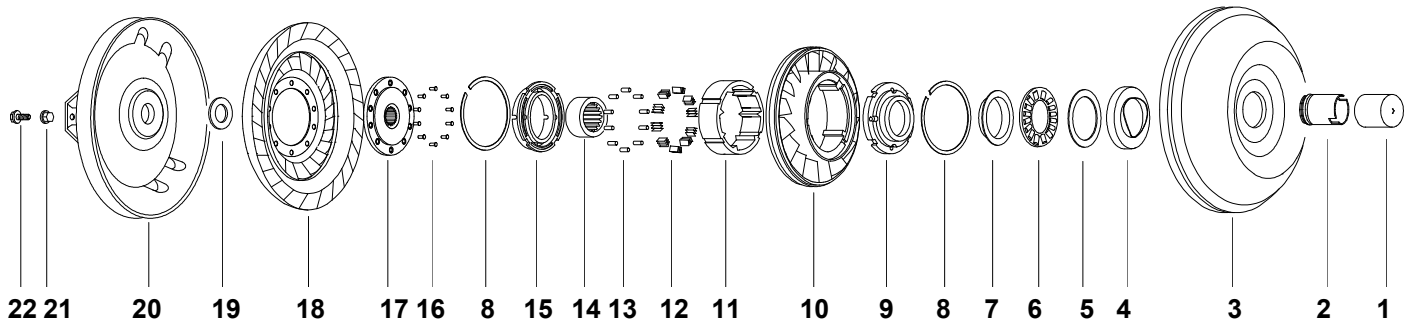
GM TH200

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Blue, For 1-3/4" Dia. Hubs		MHC-BU
2	Hub, Impeller	Butt Mount, Narrow Weld Groove		SH-1-2G
		Butt Mount, Wide Weld Groove		SH-1-41G
3	Impeller			
4	Retainer	Outer, 2.25" O.D., 1.44" I.D.		SW-2-4*
5	Washer	Flat, Hardened, .030" Thick		SW-2-30
		Flat, Hardened, .060" Thick		SW-2-60
6	Bearing	Standard, .125" Dia. Rollers, 2.18" O.D., 1.5" I.D.		SW-2-1*
		Heavy Duty, .156" Dia. Rollers, 2.18" O.D., 1.5" I.D.		SW-2-1HD*
7	Race, Inner	With Inside Lip, 2.07" O.D., 1.48" I.D., .030" Thick		SW-2-6*
8	Stator			
9	Retainer			SX-15-2
10	Cam			SX-15-1
11	Spring, Accordion	.43" Width, .22" High	10	SS-6-1
12	Roller	.31" Dia., .44" Long	10	SR-7-1
13	Race, Inner	27 Splines, 2.16" O.D., .88" High		SX-14-2
14	Cap, Stator	O.E. #8628025, .52" Thick		SW-4-3
		O.E. #8628609, .61" Thick		SW-4-4
15	Ring, Snap	3.40" O.D.		CX-20
16	Rivet	.310" Long	8	WX-12A
		.385" Long, Tubular	8	FX-12L
		.500" Long	8	SX-12
17	Turbine Hub	27 Spline		SX-13-2HT
		30 Spline, Converts TH200 To TH350 Non-Lockup		SX-13-350HT
		Use With Fiber Or Phenolic Washer, See Page 7-38, Illustration 19		
18	Turbine			
19	Washer, Turbine			SW-9-200
N.I.	Shim	.010" Thick		TW-9-010
		.020" Thick		TW-9-020
		.030" Thick		TW-9-030
20	Cover, Front			
21	Nut	3/8-24"	3	N-63
22	Bolt	3/8-24" x 9/16", O.E. #3799830	3	B-63

*NOTE: SW-2-4
SW-2-1
SW-2-6

Bearing And Race Kit, SW-2-3K
Heavy Duty, SW-2-3KHD (Contains SW-2-1HD)

TH350 CHEVROLET, TH250 (VEGA)

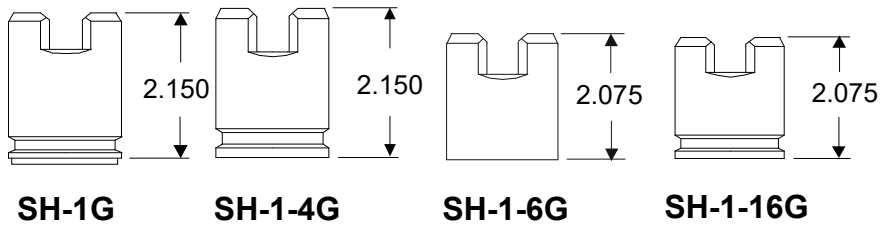


ILL. #2

IMPELLER HUBS, 1.874" DIA.

CHEVY 350

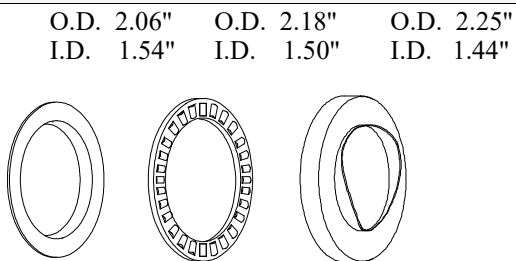
TH250



Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"- Hardness Rc 32-36

ILL. #7, 6, 4

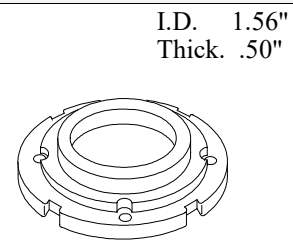
BEARING & RACE KIT



SW-2-6 SW-2-1 SW-2-4
SW-2-3K

ILL. #9

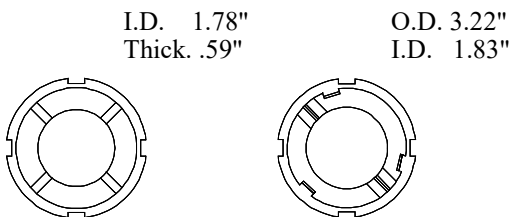
STATOR CAP



CW-4-4, O.D. 3.24"
CW-4-5, O.D. 3.44"

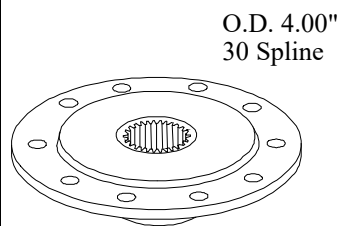
ILL. #15

STATOR CAPS



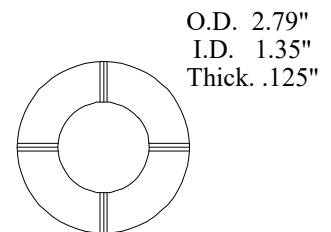
CW-4, 3.23" O.D. CW-4-2, .53" Thick
CW-4P, 3.23" O.D. CW-4-2P, .53" Thick
CW-4-3P, 3.44" O.D. CW-4-6, .46" Thick

ILL. #17 TURBINE HUB



CX-13-1HT
CX-13-4HT

ILL. #19 TURBINE WASHER



CW-9-3

TH350 CHEVROLET, TH250 (VEGA)

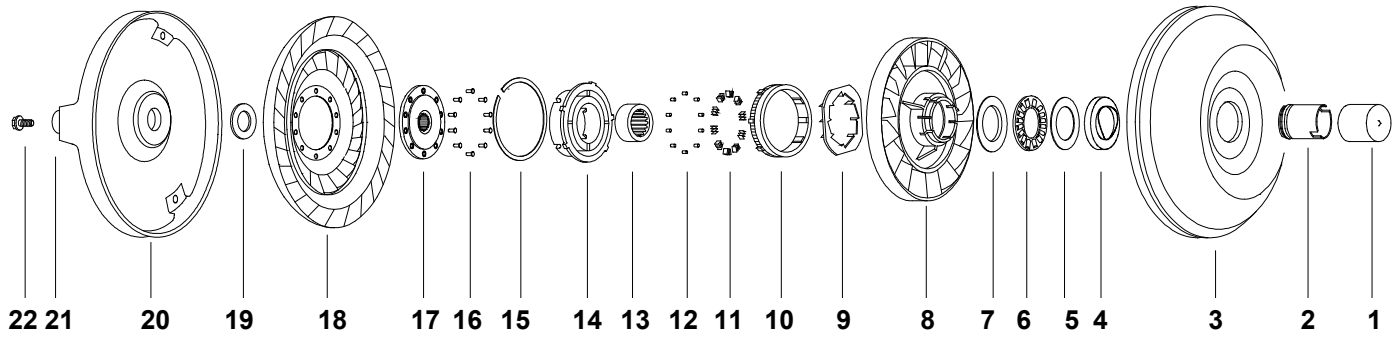
ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Yellow, For 1-7/8" Dia. Hubs		MHC-Y
2	Hub, Impeller		See Page 7-38
3	Impeller		
4	Retainer Outer, 2.25" O.D., 1.44" I.D., .030" Material Thick.		SW-2-4*
5	Washer Flat, Hardened, .030" Thick		SW-2-30
	Flat, Hardened, .060" Thick		SW-2-60
6	Bearing Medium Duty, .125" Dia. Rollers, 2.18" O.D., 1.5" I.D.		SW-2-1*
	Heavy Duty, .156" Dia. Rollers, 2.18" O.D., 1.5" I.D.		SW-2-1HD*
7	Race, Inner With Inside Lip, 2.07" O.D., 1.48" I.D., .030" Thick		SW-2-6*
8	Ring, Snap 3.40" O.D.	2	CX-20
9	Cap, Stator OE# 3924724, 3.24" O.D.		CW-4-4
	Aluminum, 3.44" O.D.		CW-4-5
10	Stator		
11	Cam 3.250" O.D.		CX-15
	Vega, 9/16" Thick		CX-15-2
12	Spring, Accordion 4 Folds, .812" Wide, .30" High	8	CS-6
	Vega, .504" Wide, .28" High	8	CS-6-1
13	Roller .312" Dia., .86" Long	8	CR-7
	Vega, .312" Dia., .54" Long	8	CR-7-1
14	Race, Inner Standard		CX-14
	Heavy Duty Material (52100)		CX-14HD
	Vega, .560" High		CX-14-1
15	Cap, Stator Aluminum, 3.22" O.D., 1.87" I.D., .47" Thick		CW-4
	Phenolic		CW-4-3P
	Phenolic		CW-4P
	Aluminum Or Phenolic, Use With CW-3 Bronze		CW-4-2(P)
	Washer Vega, Use With CW-3 Bronze Washer		CW-4-6
16	Rivet .193" Shank Dia., .31" Long	10	WX-12A
17	Turbine Hub 30 Splines, Steel		CX-13-1HT
	Vega, 30 Spline, Steel		CX-13-4HT
18	Turbine Assembly 30 Splines, 11-7/8" Diameter		
19	Washer, Turbine Phenolic, Thickness .047"		FW-9-4T
	.062"		FW-9-4A
	.094"		FW-9-4E
	.125"		CW-9-3
	.156"		CW-9-3B
	.188"		FW-9-4G
	Add Suffix "F" For Fiber		
20	Cover, Front		
21	Nut Hex	3	N-63
22	Bolt Hex Head, 3/8-24" x 9/16", O.E.#3799830	3	B-63

* NOTE: SW-2-4
SW-2-1/HD
SW-2-6

— Bearing And Race Kit, SW-2-3K
— Heavy Duty, SW-2-3KHD, (Contains SW-2-1HD)

GM TH350

Buick, Oldsmobile, Pontiac (Includes TH300)



ILL. # 2 IMPELLER HUBS, 1.874" DIA.

SH-1G, 2.15" High
SH-1-47G, 2.30" High

SH-1-4G, 2.15" High
SH-1-5G, 2.20" High
SH-1-11G, 2.25" High
SH-1-16G, 2.08" High

Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"-Hardness Rc 32-36

ILL. # 7, 6, 4 BEARING & RACES

O.D. 2.06"
I.D. 1.48"

SW-2-6

O.D. 2.18"
I.D. 1.50"

SW-2-1

O.D. 2.25"
I.D. 1.44"

SW-2-4

SW-2-3K

ILL. # 14 STATOR CAPS

O.D. 3.86"
I.D. 1.72"
Thick. 1.05"

SW-4-2/2A

O.D. 3.74"
I.D. 1.70"
Thick. 1.05"

SW-4-2C/B (No Lugs)

O.D. 3.74"
I.D. 1.73"
Thick. 1.19"

SW-4-5/5D

O.D. 3.75"
I.D. 1.70"
Thick. 1.03"

SW-4-17

O.D. 3.23"
I.D. 1.48"
Thick. 1.88"

CW-4-300

ILL. #17 TURBINE HUB

O.D. 4.24"
30 Spline

SX-13SHT

ILL. # 19 TURBINE WASHERS

O.D. 2.75"
I.D. 1.45"

Part #	Thick.
TW-9-5A	.063"
TW-9-5B	.094"
SW-9	.118"
SW-9-1	.125"
SW-9-2	.146"
SW-9-3	.160"
SW-9-4	.185"

O.D. 2.68"
I.D. 1.45"
Thick. .11"

SW-9-12 SW-9-13
Add Suffix "F" For Fibre

GM TH350

Buick, Oldsmobile, Pontiac (Includes TH300)

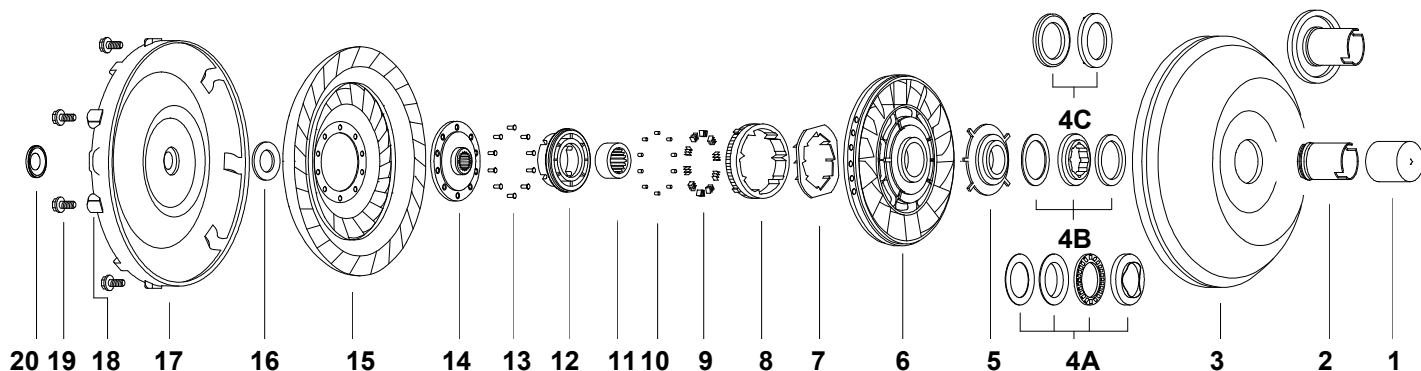
ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap®		MHC-Y
2	Hub, Impeller		See Pg. 7-40
3	Impeller		
4	Retainer, Outer	2.25" O.D., 1.44" I.D., .25" Thick	SW-2-4*
5	Washer, Selective	Hardened, 2.17" O.D., 1.5" I.D., .030" Thick	SW-2-30
		Hardened, 2.17" O.D., 1.5" I.D., .060" Thick	SW-2-60
6	Bearing	2.18" O.D., 1.50" I.D., .125" Thick	SW-2-1*
		2.18" O.D., 1.50" I.D., .156" Thick, Heavy Duty	SW-2-1HD*
7	Race, Inner	With Inside Lip, 2.07" O.D., 1.48" I.D., .030" Thick	SW-2-6*
		Outside Lip, 2.12" O.D., 1.56 I.D., .030" Thick	SW-2-5
N.I.	Washer, Steel	Flanged (Pontiac) 2.66" O.D., 1.43" I.D., .030" Thick	SW-2-7
N.I.	Washer, Bronze	3 Tang (Pontiac)	SW-3
8	Stator	Fixed Pitch	SX-5-3F
N.I.	Bushing, Stator	Variable Pitch	2 SB-18
9	Retainer	For .575" Long, Rollers	SX-15B
		For .444" Long, Rollers	SX-15-2
10	Cam	For .575" Long, Rollers	SX-15A
		For .444" Long, Rollers	SX-15C
11	Spring, Accordion	.560" Wide, .220" Thick	10 SS-6
		.430" Wide, .220" Thick	10 SS-6-1
12	Roller	.575" Long, .312" Dia.	10 SR-7
		.444" Long, .312" Dia.	10 SR-7-1
13	Race, Inner	27 Splines, 2.156" O.D., 1.04" High	SX-14
14	Cap, Stator	Phenolic, 5 Lugs (8624734), 3.86" O.D., 1.72" I.D., 1.05" Thick	SW-4-2
		Aluminum, (8623015)	SW-4-2A
		Phenolic, (8626167, 25210078), With Ribs, No Lugs	SW-4-2B
		Phenolic, With Ribs, With 5 Lugs	SW-4-2C
		Phenolic, (8629512), Late, 1.195" High	SW-4-5
	Bearing Adapter	Phenolic, (8629512), Late, 1.195" High, 5 Lug Version	SW-4-5D
		For SW-2-12 Bearing, Replaces SW-4-2	SW-4-17
	Cap, Conversion	For SW-2-12 Bearing, Replaces SW-4-5	SW-4-24
		Adapts Powerglide Stator To Fit TH350 B.O.P.	CW-4-300
15	Ring, Snap		FX-20-12
16	Rivet	.214" Shank Diameter, .312" Long, Tubular	10 FX-12
17	Turbine Hub	30 Spline, 4.24" O.D., Steel, Heavy Duty	SX-13SHT
18	Turbine		SX-8-3
19	Washer, Turbine	2.75" O.D., 1.45" I.D.	See Pg. 7-40
		Add Suffix "F" For Fibre	
20	Cover, Front		
N.I.	Spacer, Pilot	Pontiac	SX-17-100
21	Pad, Mounting	3/8-16	3 SX-10-3
		M10 x 1.5	3 SX-10-7
22	Bolt	Hex, 3/8-16" x 5/8", O.E. #3987930	3 B-64
		M10 x 1.5 x 15mm, O.E. #01261968	3 B-78
N.I.	Salvage Ring™		SX-23-972

* NOTE: SW-2-4
SW-2-1/HD
SW-2-6

} Bearing And Race Kit, SW-2-3K
Heavy Duty, SW-2-3KHD, (Contains SW-2-1HD)

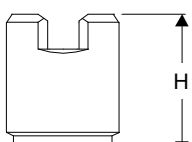
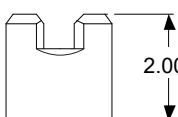
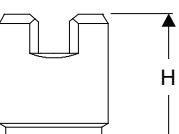
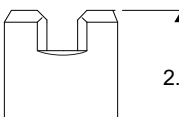
GM TH400, ALLISON AT540

3L80, 310mm



ILL. #2

IMPELLER HUBS, 1.874" DIA.

W/Pilot Step	Butt Type			No Groove, Butt Type									
 SH-1G, H - 2.15" SH-1-47G, H - 2.30"	 SH-1-3G	 <table><tr><th>PART #</th><th>H</th></tr><tr><td>SH-1-4G</td><td>2.15</td></tr><tr><td>SH-1-5G</td><td>2.20</td></tr><tr><td>SH-1-11G</td><td>2.25</td></tr><tr><td>SH-1-16G</td><td>2.08</td></tr></table>	PART #	H	SH-1-4G	2.15	SH-1-5G	2.20	SH-1-11G	2.25	SH-1-16G	2.08	 SH-1-6G
PART #	H												
SH-1-4G	2.15												
SH-1-5G	2.20												
SH-1-11G	2.25												
SH-1-16G	2.08												

Flanged Hubs

SH-1-10GRC / SH-1-28GRC (OE Replacement) (Conversion Type)	SH-1-14GRC	SH-1-23GRC	SH-1-26GRC
--	--------------------------	--------------------------	--------------------------

Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. #4A, 4B, 4C

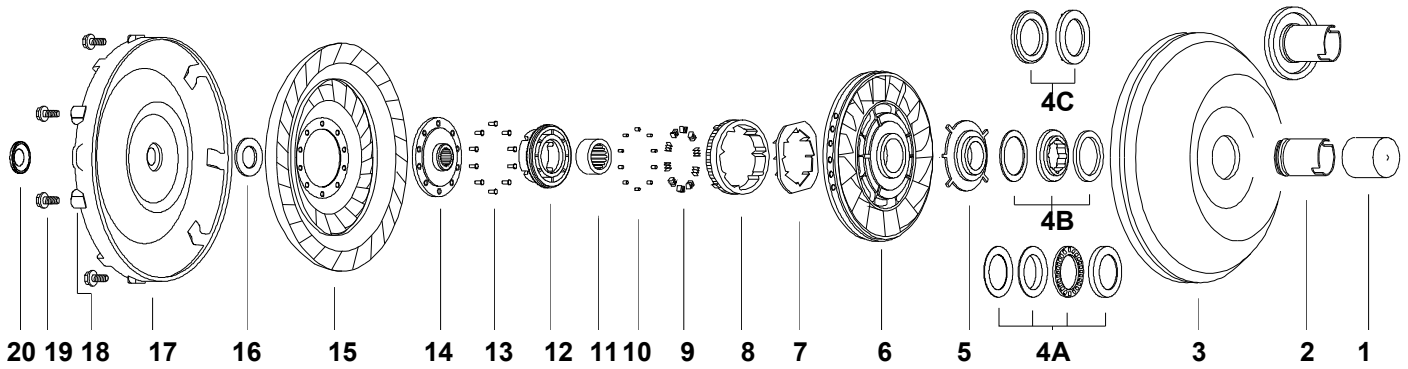
BEARINGS, RACES & SHIMS

SW-2-30 SW-2-60	SW-2-1/HD	SW-2-4	SW-2-210 SW-2-220 SW-2-230	SW-2-16 SW-2-12	SW-2-14 SW-2-19	SW-2-14K
--	-------------------------	----------------------	--	--	--	------------------------

GM TH400, ALLISON AT540 Continued
3L80, 310mm

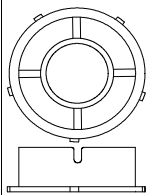
ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Yellow, For 1-7/8" Dia. Hubs		MHC-Y
2	Hub, Impeller	2.15" Mounting Height, With Pilot Step		SH-1G
		2.30" Mounting Height, With Pilot Step		SH-1-47G
		2.25" High		SH-1-11G
		2.44" High, Dodge Truck- Cummins Diesel		SH-1-3GRC
		2.15" High		SH-1-4G
		2.20" High		SH-1-5G
		2.08" High, Without Groove		SH-1-6G
		2.08" High		SH-1-16G
		Flanged, 2.28" High, O.E. Replacement		SH-1-10GRC
		Flanged, 2.28" High, Conversion Type		SH-1-28GRC
		Flanged, 2.28" High, Use Bearing SW-2-14 , AT540		SH-1-14GRC
		Flanged, 2.56" High, With Recess For SW-2-14 Bearing		SH-1-26GRC
		Flanged, Dodge Truck-Cummins Diesel		SH-1-23GRC
3	Impeller			
4A	Bearing	Light Duty, .077" Dia. Rollers, 2.17" O.D., 1.50" I.D.		SW-2
		Medium Duty, .125" Dia. Rollers, 2.18" O.D., 1.50" I.D.		SW-2-1
		Heavy Duty, .156" Dia. Rollers, 2.18" O.D., 1.50" I.D.		SW-2-1HD
	Retainer	Outside Lip, 2.18" O.D., 1.46" I.D., .031" Thick		SW-2-4
	Race, Inner	With Inside Lip, 2.07" O.D., 1.48" I.D., .030" Thick		SW-2-6
		Outside Lip, 2.12" O.D., 1.56" I.D., .030" Thick		SW-2-5
	Shim, Selective	Flat, Hardened, 2.17" O.D., 1.50" I.D., .030" Thick		SW-2-30
		Flat, Hardened, 2.17" O.D., 1.50" I.D., .060" Thick		SW-2-60
4B	Bearing	Extra Heavy Duty, Enclosed, 3.28" O.D., 2.39" I.D., .25" Thick		SW-2-12
	Update Plate™	For Retrofitting SW-2-12 , 3.02" O.D., 1.95" I.D., .45"		SW-2-16
	Shim, Selective	2.95" O.D., 2.40" I.D., .010" Thick		SW-2-210
		.020" Thick		SW-2-220
		.030" Thick		SW-2-230
4C	Bearing	AT540, .250" Dia. Exposed Rollers (Use With SH-1-14GRC)		SW-2-14
	Race, Inner	3.02" O.D., 1.77" I.D., .09" Thick, For SW-2-14 , O.E.#9432558		SW-2-19
N.I.	Plate, Adapter	Use w/ SH-1-26GRC to Accept SW-2-14 Bearing, See P. 1-38		SW-2-23
5	Cap, Stator	Bearing Adapter, Use With SW-2-12 Bearing, To Replace SW-2-14		SW-4-22
6	Stator Assembly	Fixed Pitch (Except Diesel)		SX-5-4F
N.I.	Stator	Complete, Variable Pitch (Up To 1964 Only)		SX-5-4V
	Bushing	Variable Pitch	2	SB-18
7	Retainer	For Long Rollers, (58" Long)		SX-15B
		For Short Rollers, (45" Long)		SX-15-2
8	Cam	For Long Rollers, .58" Long		SX-15A
		For Short Rollers, .45" Long		SX-15C
9	Spring, Accordion	.560" Wide, .220" High	10	SS-6
		.430" Wide, .220" High	10	SS-6-1
10	Roller	.560" Long, .312" Dia.	10	SR-7
		.430" Long, .312" Dia.	10	SR-7-1
11	Race, Inner			SX-14

GM TH400, ALLISON AT540 *Continued* 3L80, 310mm

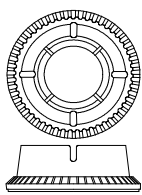


ILL. #5 & 12

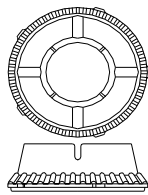
STATOR CAPS



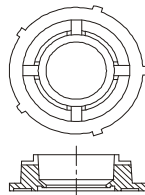
SW-4-2,
Phenolic
SW-4-2A,
Aluminum
O.D. 3.72"
I.D. 1.72"
Thick. 1.05"



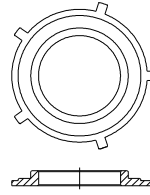
SW-4-5,
Thick. 1.19"
SW-4-2B,
Thick. 1.05"
O.D. 3.75"
I.D. 1.72"



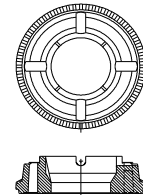
SW-4-5D,
Thick. 1.19"
SW-4-2C,
Thick. 1.05"
W/5 Lugs



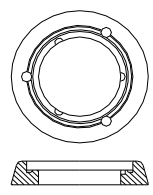
SW-4-17
O.D. 3.72"
I.D. 1.72"
Thick. 1.03"



SW-4-22
O.D. 3.30"
I.D. 1.99"
Thick. .09"



SW-4-24
O.D. 3.74"
I.D. 1.73"
Thick. 1.12"

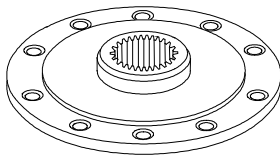


SW-4-25
O.D. 4.00"
I.D. 2.40"
Thick. .73"

ILL. #14

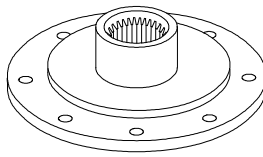
TURBINE HUBS

O.D. 4.25"
30 Spline



SX-13SHT

O.D. 4.25"
24 Spline



SX-13-11HT

ILL. #20

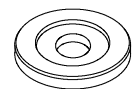
PILOT BUTTON

O.D. 1.70"
I.D. .88"
Thick. 3/16"



SX-23B

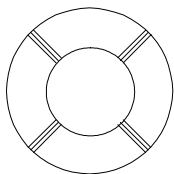
O.D. 1.70"
I.D. .50"
Thick. 3/16"



SX-23F

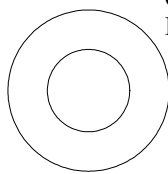
ILL. #16

TURBINE WASHERS



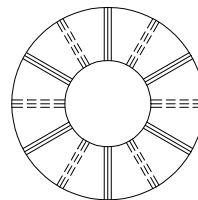
O.D. 2.75"
I.D. 1.46"
Phenolic
/Fibre

TW-9-5A, .069" Thick
TW-9-5B, .095" Thick



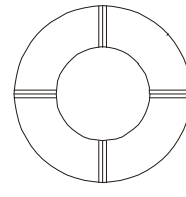
O.D. 2.75"
I.D. 1.46"

SW-9-12, .106" Thick
SW-9, .120" Thick



O.D. 3.24"
I.D. 1.45"
Bronze

SW-9-080, .080" Thick



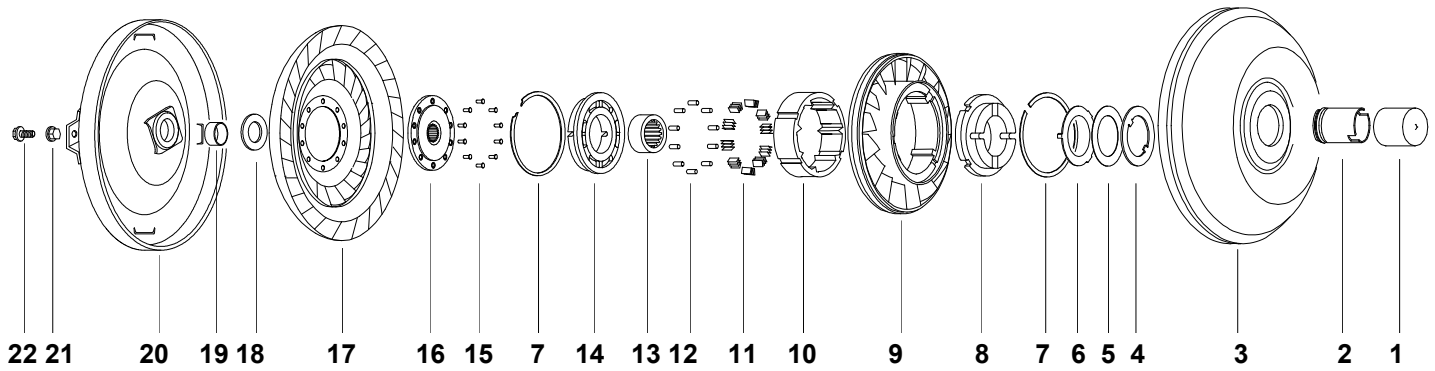
O.D. 2.75"
I.D. 1.46"
Phenolic
/Fibre

SW-9-1, .125" Thick
SW-9-2, .146" Thick
SW-9-3, .164" Thick
SW-9-4, .185" Thick

GM TH400, ALLISON AT540 Continued
3L80, 310mm

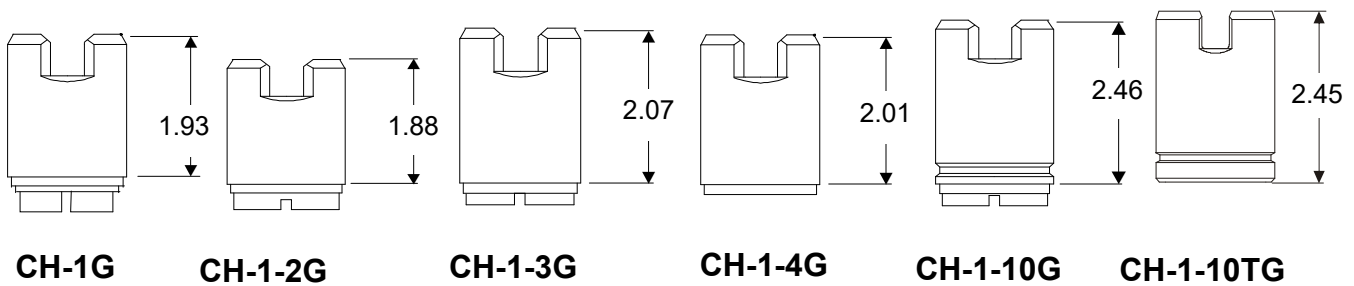
ILL#		DESCRIPTION	QTY	PART #
12	Cap, Stator	Phenolic, 8624734, 5 Lugs, 1.050" High		SW-4-2
		Aluminum, 8623015, 25210078, 1.050" High		SW-4-2A
		Phenolic, 8626167, With Ribs, No Lugs, 1.050" High		SW-4-2B
		Phenolic, With Ribs, With 5 Lugs		SW-4-2C
		Phenolic, With Ribs, 1.06" High, Solid, 5 Lugs (AT540)		SW-4-28
		Phenolic, 8629512, Late, 1.195" High, 5 Lug Version		SW-4-5D
	Adapter, Bearing	For SW-2-12 Bearing, Replaces SW-4-2		SW-4-17
		For SW-2-12 Bearing, Replaces SW-4-5		SW-4-24
		For SW-2-14 Bearing		SW-4-25
13	Rivet	.214" Shank Diameter, .312" Long, Tubular	10	FX-12
14	Turbine Hub	Steel, Heavy Duty, 30 Spline		SX-13SHT
		Dodge Cummins, 24 Spline		SX-13-11HT
		<i>Add Suffix "HT" For Heat Treated Turbine Hubs</i>		
15	Turbine Assembly			SX-8-4
16	Washer, Turbine	2.75" O.D. x 1.46" I.D.		
		.063" Thick		TW-9-5A
		.083" Thick		TW-9-5B
		.106" Thick		SW-9-12
		.118" Thick		SW-9
		.125" Thick		SW-9-1
		.146" Thick		SW-9-2
		.160" Thick		SW-9-3
		.185" Thick		SW-9-4
		.205" Thick		SW-9-13
		.080" Thick, Bronze (Replaces Vespel®) 3.24" O.D., 1.45" I.D.		SW-9-080
17	Cover, Front			
N.I.	Bushing, Cover	Cummins Diesel		SB-18-3
18	Pad, Mounting	Threaded 3/8-16	6	SX-10-4
		Threaded M10 x 1.5	6	SX-10-6
		Threaded M9 x 1.0, Dodge/Cummins, Square	6	SX-10-10
19	Bolt	3/8-16" x 5/8", O.E. #3987930	6	B-64
		M10 x 1.5 x 15mm Long, O.E. #01261968	6	B-78
20	Button, Pilot	Unfinished		SX-23
		As Above But O.D. To Finish Size, OE Style		SX-23F
		Alternate		SX-23B
		Self Centering		SX-23C
		<i>See Page 7-50 For Pilot Program</i>		
21	Ring, Snap			SX-20
N.I.	Salvage Ring™	Core Saver™, Repairs Matching Step		SX-23-1022

GM POWERGLIDE



ILL. #2

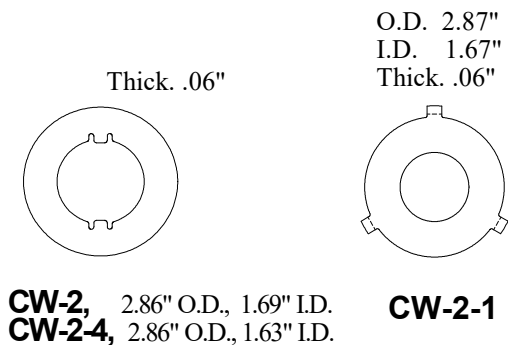
IMPELLER HUBS, 1.874" DIA.



Suffix Code - No Suffix Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

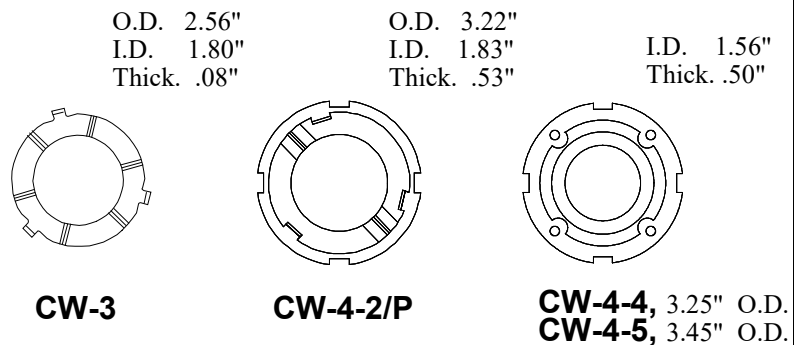
ILL. #4

STEEL WASHERS



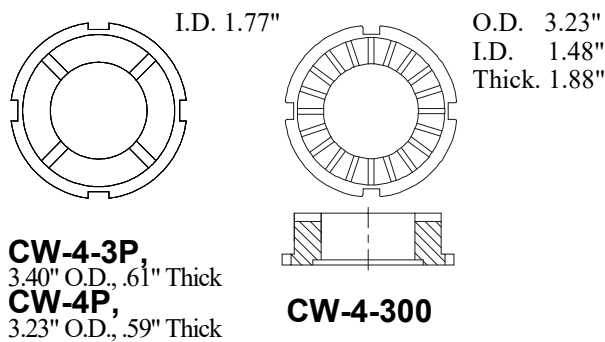
ILL. #6, 8

WASHERS & STATOR CAP



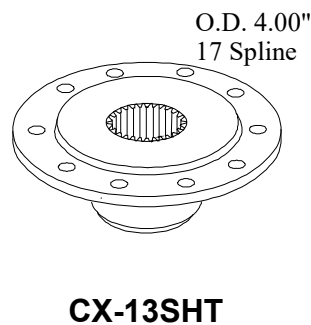
ILL. 8

STATOR CAPS



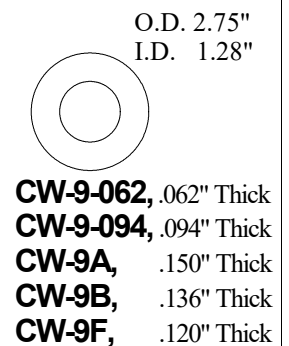
ILL. #16

TURBINE HUB



ILL. #18

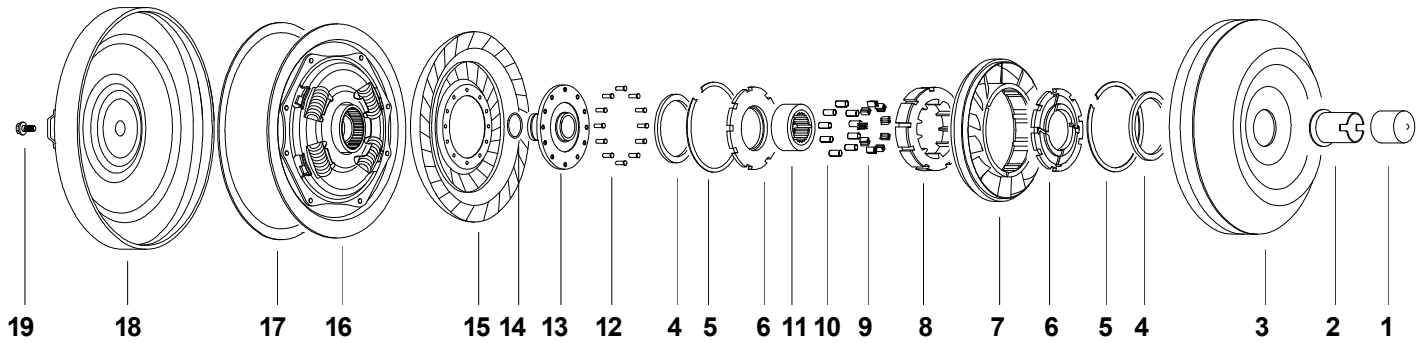
WASHER



GM POWERGLIDE

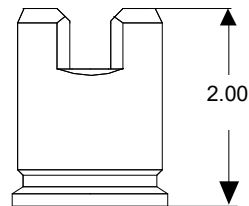
ILL.	DESCRIPTION		QTY.	PART #
1	Hubcap®	Yellow, 1-7/8", Dia. Hubs		MHC-Y
2	Hub, Impeller			See Pg. 7-46
3	Impeller			
4	Washer, Steel	2 Lugs, 2.86" O.D., 1.69" I.D., .06" Thick		CW-2
		3 External Tangs		CW-2-1
		2 Lugs, 2.86" O.D., 1.62" I.D., .06" Thick		CW-2-4
5	Shim, Selective	.010 Thick		MW-2-10
		.020 Thick		MW-2-20
		.030 Thick		MW-2-30
6	Washer, Bronze	3 Tangs, 2.56" O.D., 1.80" I.D., .08" Thick		CW-3
7	Ring, Snap	3.40" O.D.	2	CX-20
		3.65" O.D.	2	CX-20-1
8	Cap, Stator	3.225" O.D. Casting # 3735785, 6261269, 6264945, Phenolic		CW-4P
		3.225" O.D. Casting # 3831525, 6264946, Phenolic		CW-4-2P
		3.245" O.D. Casting # 3831525, 6261270, Phenolic		CW-4-3P
		3.447" O.D. Casting # 3924724, Bearing Support, Aluminum		CW-4-4
		3.425" O.D. Casting # 3924723, Bearing Support, Aluminum		CW-4-5
9	Stator			
10	Cam	3.250" O.D.		CX-15
		3.450" O.D.		CX-15-1
11	Spring, Accordion	.812" Wide	8	CS-6
12	Roller	.312" Dia., .860" Long	8	CR-7
13	Race, Inner	Standard		CX-14
		To Adapt To Borg-Warner Transmission		CX-14F
14	Cap, Stator	Casting # 6254945	2	CW-4P
		Converts Powerglide Stator To Fit TH350 B.O.P.		CW-4-300
15	Rivet	.19" Shank Dia., .31" Long	10	WX-12A
16	Turbine Hub	17 Spline, Steel		CX-13S
		See "C.D." Catalog For Entire High Performance Series		
17	Turbine			
18	Washer, Turbine	2.75" O.D., 1.28" I.D., .062" Thick, Fibre		CW-9-062
		.094" Thick, Fibre		CW-9-094
		.150" Thick, Selective		CW-9A
		.136" Thick, Bronze		CW-9B
		.120" Thick, Fibre		CW-9F
19	Bushing	1.38" O.D., 1.25" I.D., .44" High		CB-18
20	Cover, Front			
21	Nut	3/8-24	3	N-63
22	Bolt, Hex	3/8-24 x 9/16", O.E. #3799830	3	B-63

GM BMW LOCKUP, 5L40E



ILL. #2

IMPELLER HUB, 1.748" DIA.

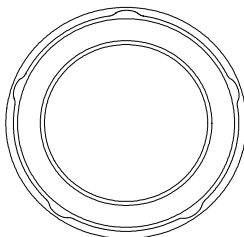


SH-1-56GRC

Suffix Code: No Suffix - Unfinished,
"G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. #4

BEARING

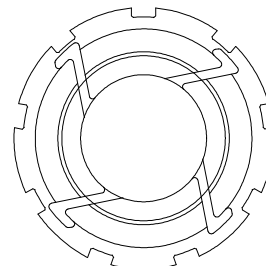


O.D. 3.37"
I.D. 2.49"
Thick. .15"

SW-2-11

ILL. #6

STATOR CAP

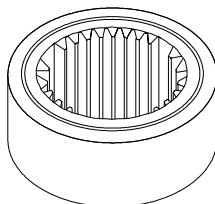


O.D. 3.96"
I.D. 1.92"
Thick. .33"

SW-4-18

ILL. #11

INNER RACE

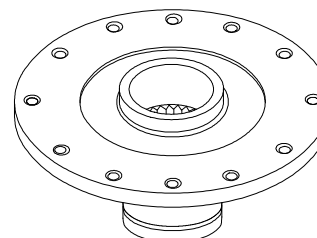


O.D. 2.156"
Height .875"
27 Spline
(3 Removed)

SX-14-3

ILL. #13

TURBINE HUB



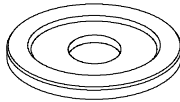
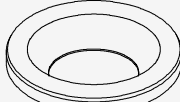
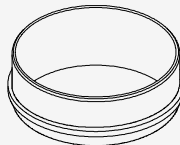
O.D. 4.133"
27 Internal Spline
45 External

SX-13-56HT

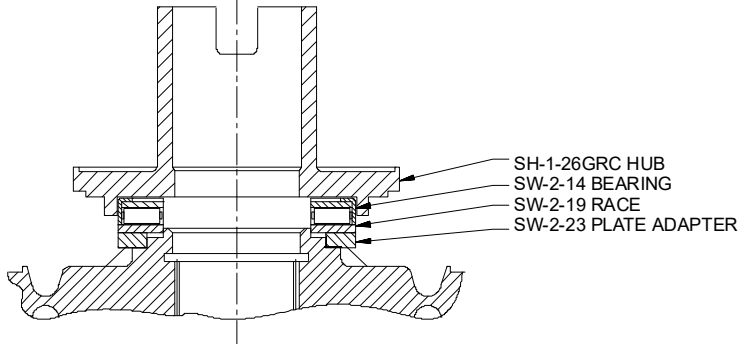
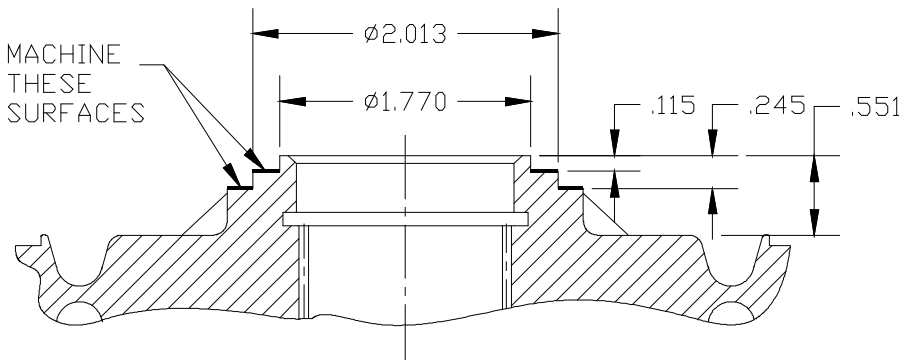
GM BMW LOCKUP, 5L40E

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Blue, For 1-3/4" Dia. Hubs		MHC-BU
2	Hub, Impeller	Flanged Butt Type		SH-1-56GRC
3	Impeller			
4	Bearing	Enclosed	2	SW-2-11
5	Ring, Snap		2	
6	Cap, Stator	Aluminum	2	SW-4-18
7	Stator			
8	Cam	Stator		
9	Spring, Accordion	.525" High, .265" Wide	9	SS-6-4
10	Roller	.359" Dia., .535" Long	9	SR-7-4
11	Race, Inner	27 Int. Spline, 3 Removed, 2.15" x .88"		SX-14-3
12	Rivet	.171" Dia. Shank, .278" Long	12	SX-12-12
13	Turbine Hub			SX-13-56HT
14	O-Ring	Viton®, 1.364" I.D., .070" Wide		SO-23-26
15	Turbine			
16	Lockup Clutch	With 4 Double Springs		SX-23-36
17	Lining	9-1/2" O.D., 8-1/4" I.D., .045" Thick		PX-23-9K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
18	Cover, Front			
19	Bolt	Hex Head, M10 × 1.5 × 15mm Long, O.E. #25509226	3	B-79

PILOT PROGRAM FOR GM

APPLICATION	DIMENSIONS	ILLUSTRATION	PART #
TH400, AT540, Precision, OE	1.703" O.D., .50" I.D., 3/16 Thick		SX-23F
TH400, AT540, Unfinished	1-3/4 "O.D., .50" I.D., 3/16 Thick		SX-23
Universal, Precision, "Add-On" Button No Machining	1.703" O.D., .88" I.D., 3/16 Thick		SX-23B
Universal, Precision, Self Centering on Pre-Machined Old Pilot	1.703" O.D., 1.25" I.D., .08" Thick		SX-23C
Precision Sleeve, Machining Required	1.703" O.D., 1.58" I.D., .50" Thick		SX-22-10

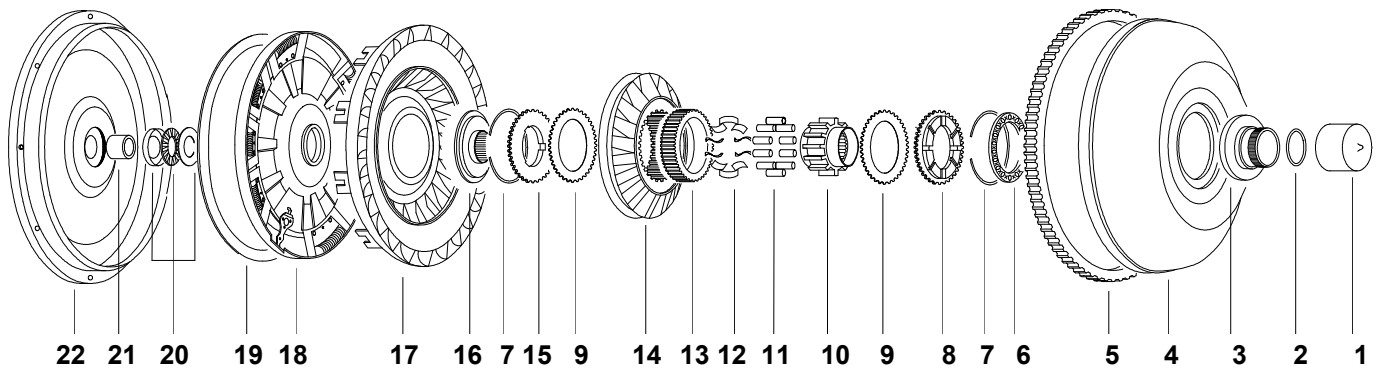
CONVERSION OF TH400 & AT540 STATOR TO ACCEPT SW-2-14 BEARING

 SH-1-26GRC HUB SW-2-14 BEARING SW-2-19 RACE SW-2-23 PLATE ADAPTER	Replace Impeller Hub With SH-1-26GRC Flanged Hub. Place SW-2-14 Bearing in Hub Cavity. Machine Stator as Shown Below. Drop SW-2-23 Adapter Plate on Upper Shoulder. With a Sharp Prick Punch, Stake the Edge of the SW-2-19 to Expand it Against the Aluminum Stator (4 Places Minimum.)
MACHINE THESE SURFACES →  Ø2.013 Ø1.770 .115 .245 .551	



HONDA

HONDA LOCKUP



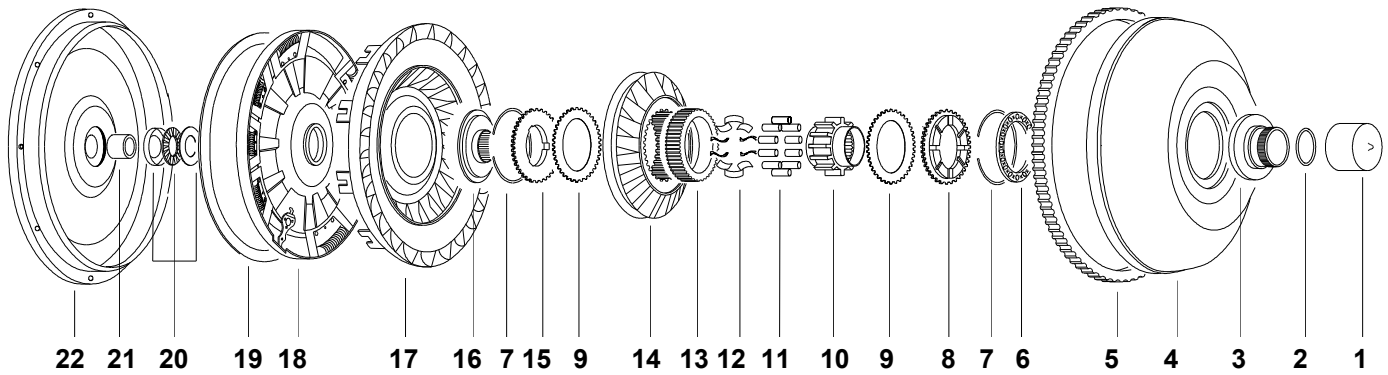
ILL. #3 IMPELLER HUBS				
PART#	DIMENSIONS		NO. OF TEETH	ILLUSTRATION
	"A" DIA	"L"	"N"	
NH-1	2.36" (60mm)	1.63" (41mm)	36	
NH-1-1	2.87" (73mm)	1.59" (40mm)	38	
NH-1-2	2.52" (64mm)	1.63" (41mm)	38	
NH-1-3	2.87" (73mm)	1.73" (44mm)	38	
NH-1-4	2.87" (73mm)	1.95" (50mm)	39	
NH-1-5	2.87" (73mm)	1.65" (42mm)	38	
NH-1-6	2.52" (64mm)	1.59" (40mm)	36	
NH-1-8	2.91" (74mm)	1.80" (46mm)	38	
NH-1-7	2.40" (61mm)	2.18" (55mm)	36	
Hardness Rc 35-40				

ILL. # 6 BEARINGS			
O.D. 2.56" (65mm) I.D. 1.77" (45mm) Thick. .16" (4.0mm) O.D. 2.56" (65mm) I.D. 1.70" (43mm) Thick. .19" (4.8mm) O.D. 2.85" (72mm) I.D. 1.97" (50mm) Thick. .18" (4.6mm)			
NW-2 NW-2-1 NW-2-2			

HONDA LOCKUP

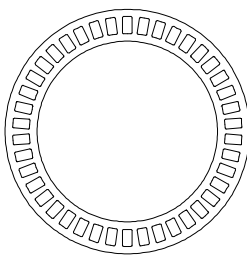
ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Black		MHC-B
2	O-Ring, Hub	32mm x 2mm B7TA, B7VA, B7YA, F4, 1.398" I.D., 0.075" Thick, Green		84048 NO-25-1
3	Hub, Impeller	'83-'87 Accord, Prelude (HO-1) G4, (HO-9, HO-15) F4, (HO-7) L5 & PL5X (HO-8) MPYA (HO-14) K4, PY8A, & PX4B (HO-11 & HO-12) '86-'87 Civic, '86 Acura & CRX, '85 Prelude, (HO-2B) For Aluminum Converter HO-21, B7TA / B7UA		NH-1 NH-1-1 NH-1-2 NH-1-3 NH-1-4 NH-1-5 NH-1-6 NH-1-7 NH-1-8
4	Impeller			
5	Ring Gear	103 Teeth, 9.605" I.D. 103 Teeth, Bolted Converter 107 Teeth, 9.617" I.D. 109 Teeth, 10.50" I.D., Narrow 109 Teeth, 9.600" I.D., Wide 114 Teeth, 10.478" I.D., Narrow 114 Teeth, 10.036" I.D., Wide 114 Teeth, 9.606" I.D., Wide		RG-103N RG-103NB RG-107N RG-109N RG-109NW RG-114N RG-114NW RG-114B
<i>NW-2-2 Can Be Replaced by TW-2-4 w/ Small Amount of Machining</i>				
6	Bearing	26 Rollers, 45mm x 65mm x 4mm 18 Rollers, 43mm x 65mm x 5mm 24 Rollers, 50mm x 72mm x 4.5mm 42 Rollers, 75mm x 55mm x 3mm HO-21, B7TA/B7VA / B7YA 46 Rollers, 78mm x 55mm x 3mm HO-21, B7TA / B7VA / B7YA. 78mm x 55mm x 3.0mm Roller Repair Kit For NW-2, 26 Rollers, 4mm x 6mm For NW-2-1, 18 Rollers, 5mm x 8.7mm For NW-2-2, 24 Rollers, 4.5mm x 8.7mm		NW-2 NW-2-1 NW-2-2 NW-2-3 NW-2-5 NW-2-26K NW-2-18K NW-2-24K
7	Ring, Snap		2	
8	Washer	Bronze, 2.12" Thrust Surface Diameter		NW-4
9	Shim		2	
10	Race, Inner	29 Int. Spline		
11	Roller	.785" Long, .235 Dia.	10	YR-7-1
12	Spring	.680" Wide, .190" High, 4 Or 5 Folds	10	YS-6-1
13	Race, Stator	Outer		
14	Stator			

HONDA LOCKUP, Continued



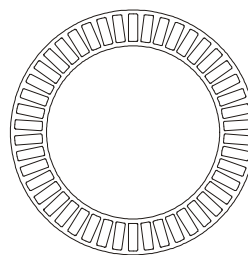
ILL. # 6

BEARINGS



NW-2-3

O.D. 2.95" (75.00mm)
I.D. 2.17" (55.00mm)
Thick. 0.12 " (3.00mm)

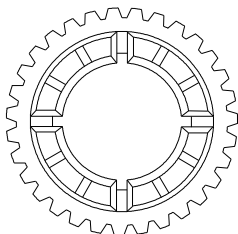


NW-2-5

O.D. 3.07" (78mm)
I.D. 2.17" (55.00mm)
Thick. 0.12" (3.00mm)

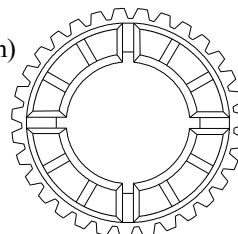
ILL. # 8, 15

WASHERS



NW-4

O.D. 2.59" (65.8mm)
I.D. 1.38" (35.1mm)
Thick. .24" (6.1mm)
Thrust Surf. Dia. 2.12" (53.8mm)

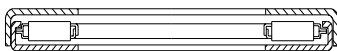


NW-4-1

O.D. 2.59" (65.8mm)
I.D. 1.38" (35.1mm)
Thick. .23" (5.8mm)
Thrust Surf. Dia. 2.35" (59.7mm)

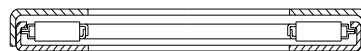
ILL. # 20

BEARING & RACE KITS



NW-9K

O.D. 1.45" (36.8mm)
I.D. .87" (22.1mm)



NW-9-1K

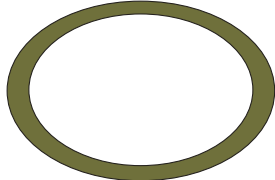
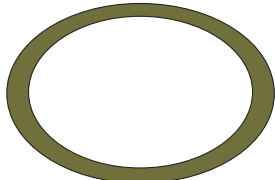
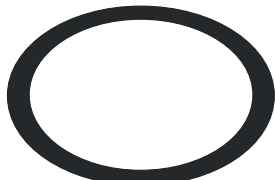
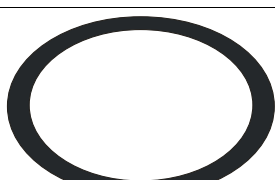
O.D. 1.69" (42.9mm)
I.D. .99" (25.1mm)

HONDA LOCKUP, Continued

ILL.#		DESCRIPTION	QTY. PART #
15	Washer	Bronze, 2.35", Thrust Surface Diameter	NW-4-1
16	Turbine Hub		
N.I.	Ring, PTFE Seal	G-4, MPYA, Scarf Cut, 36mm x 2.0mm	NO-25
17	Turbine		
18	Lockup Clutch	Civic, Accord, 9-3/8" O.D., Without Valve	NX-23
		Civic, Accord, 9-3/8" O.D. With Valve	NX-23V
		Sterling, Etc., 9-7/8" O.D.	NX-23-3
19	Lining	AS, F4, (8-3/4" x 7-3/4" x .045")	NX-23-1
		Sterling, (9-1/2" x 8 -1/2" x .045")	NX-23-2
		HO-14, MPYA (10.00" x 9.00" x .045")	NX-23-7
		G4, Acura Vigor, (10-1/8" x 9-1/8" x .045")	NX-23-5
		HO-12, (9-1/8" x 8-1/8" x .045")	NX-23-6
		(10" O.D., 8-3/4" I.D., .045")	TX-23-17K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan			
20	Bearing Kit,	With 35mm Bearing O.D., 36.8mm Kit O.D.	NW-9K
	Cover	With 40mm Bearing O.D., 42.9mm Kit O.D.	NW-9-1K
21	Bushing, Cover		
22	Cover, Front		
N.I.	O-Ring, Cover	'73-'80, 2 Speed, 220mm x 2.4mm, (Alum. Conv.)	84042
		'80-'84, 3 Speed, 229mm x 2.4mm, (Alum. Conv.)	84052

HYUNDAI - KIA

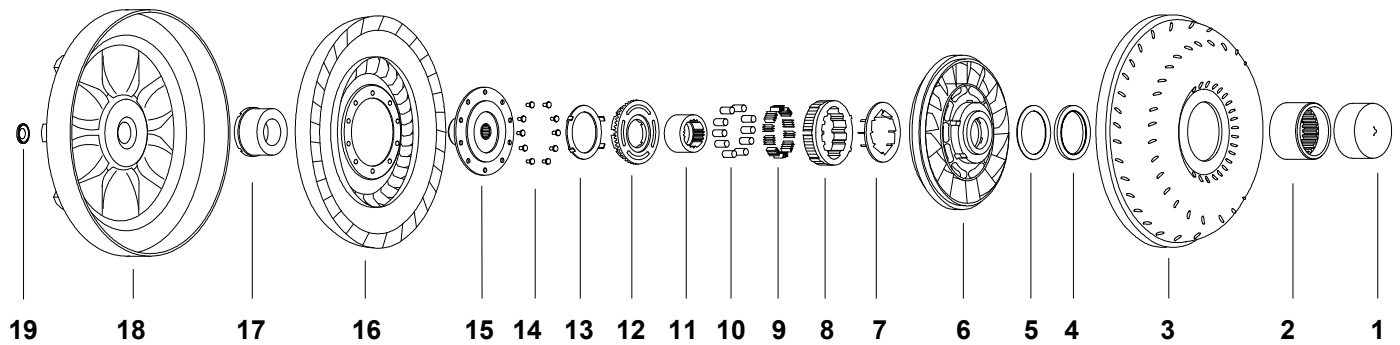
Hyundai / Kia A4CF1, A4CF2

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Black	For Hub Dia.: 1.625"		MHC-B
Hub Impeller	Material: Hardened Steel Hub Mount: Flanged Pump Drive Style: Slots	Assembled Height: 1.429" Height: 1.720" Journal Dia.: 1.692" Flange O.Di.: 4.169"		KH-1-4FLG
O-Ring	Material: Fluorocarbon	Inner Dia.: 2.300" Cross Section: 0.103"		SO-23-36
Metal Clad Seal	Material: Fluorocarbon	Housing Bore: 0.985" Shaft Dia.: 0.663"		KO-25-1
Lining	Material: Kevlar®	O.D. 9.375" Inner Dia.: 7.875" Thick.: 0.045"		YX-23-12K
Lining	Material: Kevral®	O.D. 9.375" Inner Dia.: 7.875" Thick.: 0.070"		YX-23-12X70K
Lining	Material: High Carbon	O.D. 9.375" Inner Dia.: 7.875" Thick. 0.045"		YX-23-12HC
Lining	Material: High Carbon	O.D. 9.375" Inner Dia.: 7.875" Thick. 0.070"		YX-23-12X70HC*

** - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan*

INDUSTRIAL

BORG WARNER INDUSTRIAL 310mm



ILL. #2 IMPELLER HUB, 2.500"	ILL. #4 BEARING	ILL. #5 SHIM
25 Internal Spline WH-1-22G Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC"- Hardness Rc 32-36	O.D. 3.28" I.D. 2.39" Thick. .25" SW-2-12	O.D. 2.95" I.D. 2.40" SW-2-210, .010 Thick SW-2-220, .020 Thick

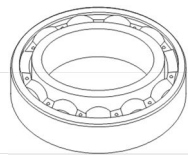
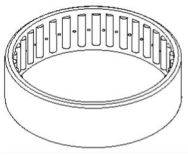
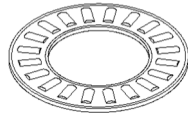
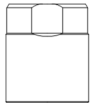
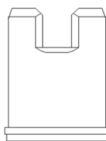
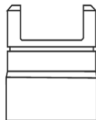
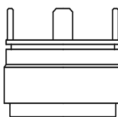
ILL #12 STATOR CAPS AND BEARING ADAPTER			
O.D. 3.74" I.D. 1.71" Thick. .49" SW-4-19 OE Design	O.D. 3.74" I.D. 1.71" Thick. .49" SW-4-19A 5 Lug Design	O.D. 3.74" I.D. 1.71" Thick. .43" SW-4-19B Use w/ TW-3-3 Washer	Alternate O.D. 3.75" I.D. 1.70" Thick. .47" WW-4-8 Use w/ SW-2-12 Bearing

ILL.# 13 BRONZE WASHER	ILL. # 15 TURBINE HUB	ILL. # 17 WASHERS, TURBINE	
O.D. 2.94" I.D. 1.96" Thick. .06" .26 Wide Lugs TW-3-3	O.D. 5.15" Height 1.28" 29 Spline WX-13-33HT	O.D. 2.23" I.D. .75" Thick. .55" WW-9-9	O.D. 2.50" I.D. .75" Thick. 1.46" WW-9-10

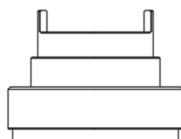
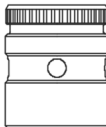
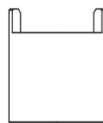
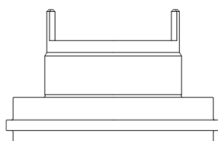
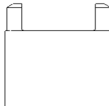
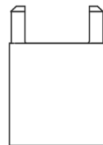
BORG WARNER INDUSTRIAL 310mm

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®			
2	Hub, Impeller	2.50" Dia., 25 Internal Spline		WH-1-22G
3	Impeller			
4	Bearing	Enclosed		SW-2-12
5	Shim	Use Under SW-2-12, .010" Thick.		SW-2-210
		.020" Thick.		SW-2-220
		.030" Thick.		SW-2-230
6	Stator			
7	Retainer, Spring	3.12 x 3.12, .49 High		SX-15B
8	Cam	Stator		SX-15A
9	Spring, Accordion	.560" Wide, .22" High	10	SS-6
10	Roller	.312" Dia. Roller, .57" Long	10	SR-7
11	Race, Inner	29 Spline, 10 Removed, 2.156" O.D., 1.040" High		WX-14-1
		22 Spline, 2.156" O.D., 1.03" High For Caterpillars		WX-14-8
		<i>Contact Your Tri Pro for Any Inner Races Required</i>		
12	Cap, Stator	Plastic, 252-10174, OE Design		SW-4-19
		Plastic, 5 Lug Design		SW-4-19A
		Plastic, 5 Lug Design, 252-10097, Use w/ TW-3-3 Washer		SW-4-19B
	Bearing Adapter	Alternate, Aluminum, Use With Bearing SW-2-1		WW-4-8
13	Washer, Bronze	With 4 Lugs		TW-3-3
14	Rivet	.214" Shank Dia., .310" Long, Tubular	10	FX-12
		.214" Shank Dia., .385" Long, Tubular	10	FX-12L
15	Turbine Hub	29 Spline, 5.15" O.D., 1.28" High		WX-13-33HT
16	Turbine			
17	Washer, Bullet Proof™	2.50" O.D., .75" I.D., 1.46" Thick, Improved, Heavy Duty		WW-9-10
		2.23" O.D., .75" I.D., .55" Thick, With O-Ring Groove		WW-9-9
18	Cover, Front			
19	Button, Pilot	Unfinished, OE Style		SX-23
		As Above But O.D. To Finish Size, OE Style		SX-23F
		Alternate, "Add-On" Button		SX-23B
		Self Centering		SX-23C
		<i>See Page # 7-50 for Pilot Description</i>		

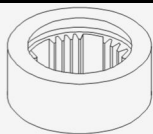
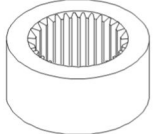
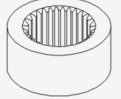
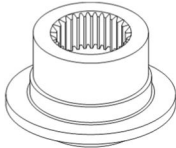
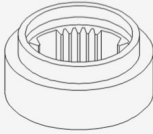
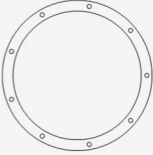
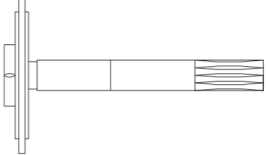
INDUSTRIAL, Not Cataloged Elsewhere

	APPLICATION	DESCRIPTION	DIMENSIONS	ILLUSTR.	PART #
BEARINGS					
Ball Bearing	Japanese Industrial	7 Balls	52mm O.D., 20mm I.D., 15mm High		MB-6304
Ball Bearing	Komatsu	9 Balls	85mm O.D., 45mm I.D., 19mm High		MB-6209
Ball Bearing	Japanese Industrial	10 Balls	90mm O.D., 50mm I.D., 20mm High		MB-6210
Ball Bearing	Komatsu	14 Balls	95mm O.D., 60mm I.D., 18mm High		MB-6012
Caged Needle Bearing	Japanese Industrial		58mm O.D., 50mm I.D., 20mm High		HK-5020
Needle Thrust Bearing	Japanese Industrial		70mm O.D., 50mm I.D., 3mm Thick		AXK-5070
Needle Thrust Bearing	Japanese Industrial		78mm O.D., 55mm I.D., 3mm Thick		FNT-5578
Needle Thrust Bearing	Japanese Industrial		100mm O.D., 75mm I.D., 4mm Thick		FNT-75100
HUBS					
Hub, Impeller	Nissan/Komatsu	2 Flats	1.651" O.D., 1.985" High		JH-1-33G
Hub, Impeller		2 Slots	1.937" O.D., 2.160" High		MH-1-2G
Hub, Impeller	Nissan Industrial	2 Lugs, With Seal Groove	2.046" O.D., 1.95" High Lugs: .47" Wide .60" High		MH-1-3G
Hub, Impeller	Toyota Industrial	4 Lugs, with Seal Groove	2.281" O.D., 1.84" High Lugs: .39" Wide, .54" High		MH-1-4G

INDUSTRIAL, Not Cataloged Elsewhere

APPLICATION			DIMENSIONS	ILLUSTR.	PART #
HUBS, Continued					
Hub, Impeller	Komatsu	2 Lugs	2.953" Journal Dia., 2.91" High Lugs: .79" Wide & .59" High		MH-1-7GRC
Hub, Impeller	11" Borg Warner	41 Spline on O.D.	2.125" O.D., 2.50" High		MH-1-8G
Hub, Impeller	11" Borg Warner	2 Lugs	2.250" O.D., 2.15" High Lugs: .68" Wide & .45" High		MH-1-9G
Hub, Impeller	Komatsu	2 Lugs	4.629" Flange O.D. 2.951" O.D., 2.915" High Lugs: .78" Wide & .67" High		MH-1-10GRC
Hub, Impeller	TCM Industrial	2 Lugs	1.968" O.D., 2.45" High Lugs: .39" Wide & .63" High		MH-1-TCMG
Hub, Impeller	TCM Industrial	2 Lugs	1.968" O.D., 2.75" High Lugs: .39" Wide & .63" High		MH-1-TCMLG
Hub, Impeller	Chrysler Industrial		1.875" O.D., 1.62" I.D., 1.50" High		TH-1-10G
Hub, Impeller	Chrysler Industrial		2.124" O.D., 1.874" I.D., .94" High		TH-1-7G
Hub, Impeller	Borg Warner 9-1/2" Industrial	2 Lugs	1.685" O.D., 2.00" High Lugs: .58" Wide .56" High		WH-1TBG

INDUSTRIAL, Not Cataloged Elsewhere

APPLICATION		DESCRIPTION	DIMENSIONS	ILLUSTR.	PART #
INNER RACES					
Inner Race		29 Spline (10 Removed)	2.15" O.D., 1.42" I.D., 1.24" High		MX-14
Inner Race	Forklift	32 Spline	2.15" O.D., 1.55" I.D., 1.24" High		MX-14-1
Inner Race		27 Spline	1.957" O.D., 1.31" I.D., .99" High		MX-14-2
Inner Race	Komatsu	18 Spline	3.06" Flange O.D. 2.15" O.D., 1.49" I.D., 1.74" High		MX-14-3
Inner Race	Fichtel & Sachs	29 Spline (10 Removed)	2.16" O.D., 1.42" I.D., 1.25" High		PX-14-5
Inner Race		31 Spline, 10 Removed	2.16" O.D., 1.65" High		PX-14-6
Inner Race	Nissan	30 Spline	1.956" O.D., 1.19" I.D., 1.14" High		JX-14-8
LOCKUP CLUTCH LINING					
Lockup Clutch Lining	Allison 3060 World Transmission Heavy Duty	Kevlar® Use 2	11-11/16" O.D., 10" I.D., .040" Thick		MX-23-1
SHAFTS					
Shaft	Yale, Industrial	20/15 Spline	215mm Long		MX-SH-1
Shaft	Mazda, Industrial	18 Spline	102mm Long		MX-SH-2
Shaft	Mazda, Industrial	20 Spline	109mm Long		MX-SH-3

INDUSTRIAL, Not Cataloged Elsewhere

Sprags

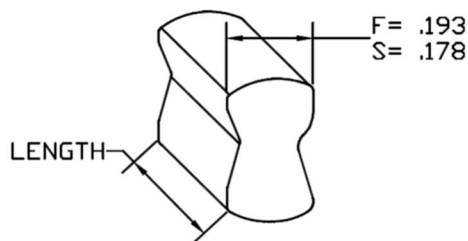
TRI PART #	REF. PART #	DESCRIPTION	OUTER RACE I.D. (in)	INNER RACE O.D. (in)	Width (in)	OUTER RACE I.D. (mm)	INNER RACE O.D. (mm)	Width (mm)	ILLUSTRATION
BC-6	N/A	14 Cams # F-315 2 Inside Strips	2.281	1.625	0.530	57.9	41.3	13.5	
FC-6-1	N/A	20 Cams # F-407 2 Inside Strips Replaced By FC-6-10	2.812	2.156	0.625	71.4	54.8	15.9	N/A
FC-6-3	N/A	20 Cams # F-395 5 Outside Clips, 3 Inside Strips Replaced By FC-6-10	2.812	2.156	0.625	71.4	54.8	15.9	
FC-6-4	BW-SP-1	20 Cams # F-407 10 Outside Clips, 3 Inside Strips Replaced By FC-6-10	2.812	2.156	0.625	71.4	54.8	15.9	
FC-6-9	N/A	22/24 Cams # F-407 10 Outside Clips, 2/3 Inside Strips Replaced By FC-6-10	2.812	2.156	0.625	71.4	54.8	15.9	N/A
FC-6-10	DC5476A	24 Cams # F-395 12 Outside Clips, 3 Inside Strips	2.812	2.156	0.625	71.4	54.8	15.9	
JC-6-2	N/A	26 Cams # F-240 / S-240	2.820	2.410	0.450	71.6	61.2	11.4	
MC-1	MI-SP-1	24 Cams # S-532 12 Outside Clips 3 Inside Strips	2.804	2.148	0.810	71.2	54.6	20.6	
MC-2	MI-SP-3	30 Cams # F-585 15 Outside Clips 3 Inside Strips	3.499	2.843	0.825	88.9	72.2	21.0	
MC-3	N/A	26 Cams # F-760 13 Outside Clips	3.000	2.344	1.000	76.2	59.5	25.4	

INDUSTRIAL, Not Cataloged Elsewhere

Sprags, continued

TRI PART #	REF. PART #	DESCRIPTION	OUTER RACE I.D. (in)	INNER RACE O.D. (in)	Width (in)	OUTER RACE I.D. (mm)	INNER RACE O.D. (mm)	Width (mm)	ILLUSTRATION
MC-4	MI-SP-4	22 Cams # S-532 11 Outside Clips 3 Inside Strips	2.614	1.958	0.750	66.4	49.7	19.1	
MC-5	N/A	22 Cams # S-532	2.540	1.870"	0.730	64.5	25.4	18.5	N/A
MC-6	MI-SP-5	Garner Spring Type, Replaced by Tri Component Upgrade MC-6 w/26 Cams # F-395 , 13 Outside Clips, Double Cage, Reuse End Washers	2.930	2.274	0.635	74.4	57.8	16.1	
VC-6-1	N/A	22 Cams # F-295, 4 Outside Clips 4 Outside Clips	2.613	1.957	0.530	66.4	49.7	13.5	
YC-6	N/A	22 Cams # S-315	2.450	1.870	0.510	62.2	47.5	13.0	

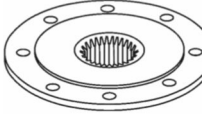
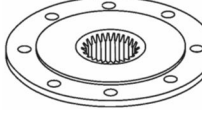
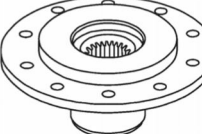
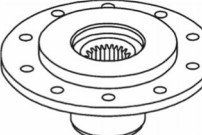
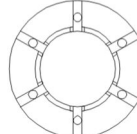
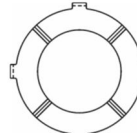
Sprags Are Economically Rebuildable By Tri Component. All Cores Should Be Saved For Rebuild Or Purchase By Tri Component. Call your Tri Pro For Other Sprag Components.



How to Specify Cams

Cam part number consists of a letter (F or S) and 3 digits. Letter F or S describes cam's width and 3 digits after dash - cam's length. For example: F-395 is a cam with dimensions: .193 wide and .395 long

INDUSTRIAL, Parts Not Cataloged Elsewhere

APPLICATION	DESCRIPTIO	DIMENSIONS	ILLUSTR.	PART #	
STRAP					
Strap		“Velvet Drive”		FX-10-8	
TURBINE HUBS					
Turbine Hub	Borg Warner 9-1/2" Inustrial	21 Spline	3.60" O. D., .72" High		BX-13-1
Turbine Hub	Borg Warner 9-1/2" Industrial	24 Spline	3.60" O. D., .72" High		BX-13-3
Turbine Hub	Chrysler Industrial TF-8	19 Spline	3.96" O. D., 1.40" High 1.39" Journal Dia.		TX-13-2Y
Turbine Hub	Chrysler Industrial TF-8	24 Spline	3.96" O. D., 1.40" High 1.39" Journal Dia.		TX-13-3Y
WASHERS					
Stator Cap	Jatco, Industrial	Aluminum, Use With TW-2-4 Bearing	3.07" O.D., 1.69" I.D., .61" Thick		JW-4-23
Bronze Washer	Chrysler, Industrial	4 Lugs	2.75" O.D., 1.81" I.D., .06" Thick, .30" Wide Lugs		TW-3-1

INDUSTRIAL PARTS, YALE

PART #	DESCRIPTION
0641409-00	Clutch Plate Steel
5141326-00	Clutch Plate Steel
5197444-00	Disc Assembly
0159219-00	Ring
5157351-00	Oil Seal Retainer
0158096-00	Drive Wheel Hub Flange
1315453-00	Brake Shoe, use 1500213-04
1500213-04	Brake Shoe Assembly Replaces (1315453-00) Non-asbestos
5023338-00	Bushing
0225218-00	Cover & Plate Assembly, Clutch
0225219-00	Cover & Plate Assembly, Clutch
5077443-00	Pedal Pad (Rubber)
0643900-00	Drive Plate w/Ring Gear
5134246-00	Drive Plate, No Studs
0158377-00	Retainer
5006755-00	Flex Plate
5145586-00	Flywheel Assembly, For 10-3/4" Converter w/Bolts
5145526-00	Clutch Drive Plate
5160408-99	Flywheel Assembly - 164 Tooth Ring Gear
0158124-00	Clutch Disc
0591017-00	Bushing
0636888-00	Accelerator Pedal

INDUSTRIAL PARTS

PART #	DESCRIPTION
224772	Clutch Plate, Steel
5148024-00	Pressure Plate (Clutch)
5002695-00	Converter, New
5154068-00	Converter, Rebuilt
5154068-01	Converter, Rebuilt
5154068-05	Converter, Rebuilt
5154068-06	Converter, Rebuilt
0005128-00	Converter, Rebuilt
0668248-00	12" Cover & Plate Assembly
0669666-00	11" Cover & Plate Assembly
0669667-00	Driven Plate Clutch Assembly
5197524-00	Thrust Bearing
5150428-01	Washer
5147526-00	Drive Plate
195856	Ring Gear

INDUSTRIAL PARTS

PART #	DESCRIPTION
BORG & BECK CONVERTER PARTS	
FH-1-7GRC	Bolt-In Hub (Aluminum Impeller) For Borg & Beck Bolted Aluminum Converters - <i>Internal Parts Listed Below</i>
FO-1-20	Bolt-In Hub O-ring
FO-1-21	Cover O-ring
FO-1-22	Cover Gasket, 34 Holes
FX-21-8	Hub Bolt
FX-21-9	Lockwasher
FW-2	Steel Washer
FW-3	Bronze Washer
FW-4	Aluminum Washer
FW-9	Fiber Washer
FC-6-1	Sprag Assembly
FX-14	Inner Race
FX-15	Outer Race
BORG-WARNER CONVERTER DRIVE PLATE	
WX-22-100P	Plate Only (BW # 00-201-1024, Clark 224338)
WX-22-100R	Reinforcement Plate (BW # 00-201-1025)
WX-22-100K	Plate Kit (BW # 290004, Clark 879932, Caterpillar 642971, White 35-A-322)
246615	Ring, Backing
MISCELLANEOUS	
450263	Oil Pump Assembly - (Clark)
6551A	Oil Pump Assembly - (See Note #1)
6551D	Oil Pump Assembly - (See Note #2)
6AT11-60	Oil Pump Assembly - (See Note #3)

INDUSTRIAL PARTS

NOTE #1

YALE	592196
HYSTER	1953
CLARK	878337
ALLIS CHALMERS	4907656
FORD	B1AZ-7A103A
MASSEY FERGUSON	103-4969-M91 530-718-M91 1003-508-010
CATERPILLAR (TOWMOTOR)	310927
WARNER GEAR	3-60A60C 3-10A60C 3-12A60C 3-14A60C 3-4A60C (BODY & GEAR ONLY)
FUNK	4003358
LPM	000-675-1005

NOTE #2

FORD	C3AZ-7A103E
FUNK	4050487
MASSEY FERGUSON	1003-508-006

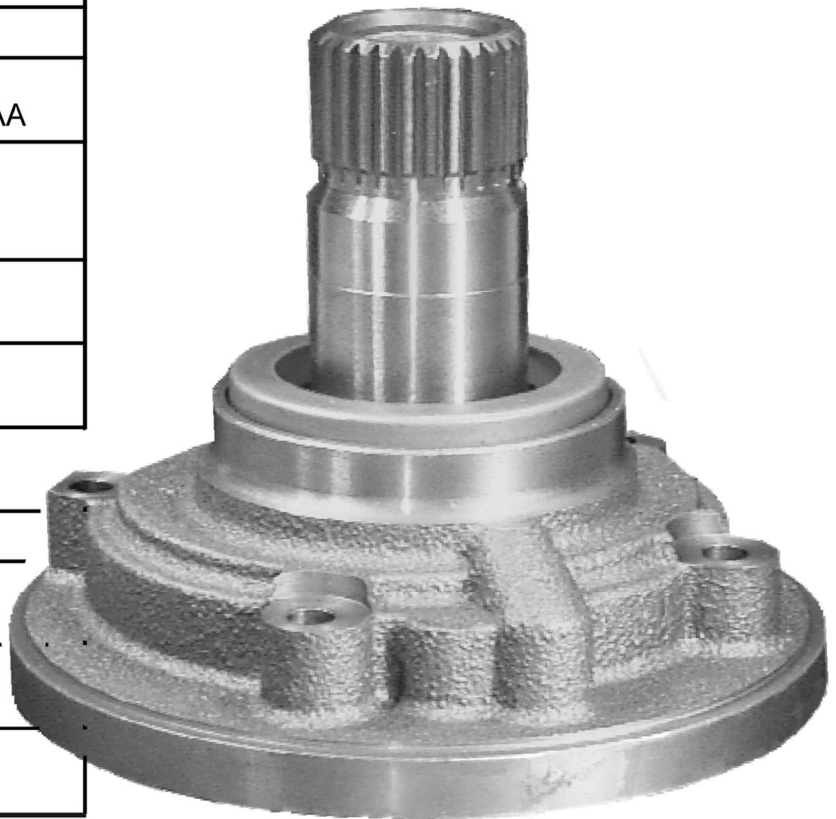
NOTE #3

YALE	622248
CLARK	896467
BAKER	A711B1
WHITE	35A311
ALLIS CHALMERS	4991266
CATERPILLAR PETTIBONE	643877
MERCURY	PMP10-3
LPM	000-700-1040

NEW TRANSMISSION OIL PUMP ASSEMBLIES

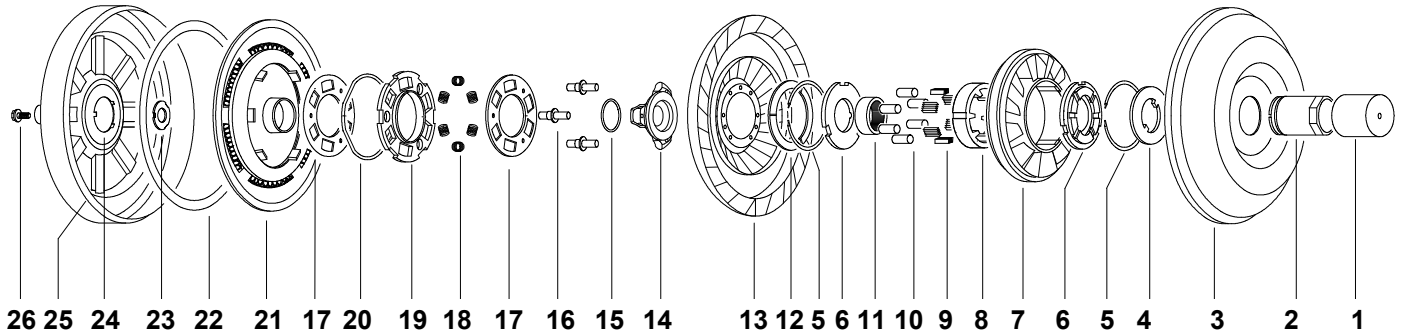
Application	OEM Number
Allis Chambers	101825
Borg Warner	1003-508-011 1003-508-003 1003-508-008 1003-508-001 1003-508-002 1003-508-005 1003-508-010 6AT1160
Caterpillar	643864
Clark	450263 896467
Dana-Spicer	
FAI	DS0000039
Ford/New Holland	XN3901666 E4NN7A103AA
Funk	4003358 4003359 4050487
Hyster	195360 17783
JCB	20/900400 04/500217
JI Case	L30488 R29995
John Deere	AT101451
Manitou	136353
Massey Ferguson/Agco	530718-M92 530718-M91
Yale	056219600 0592197

- Now available for numerous industrial applications
- Direct replacement of the original equipment oil pump
- Manufactured to exacting OEM standards
- A cost effective alternative to rebuilt units

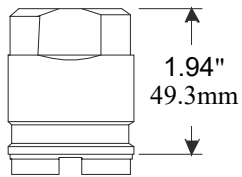


JATCO, NISSAN

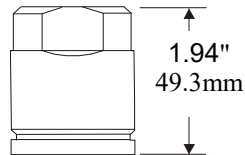
JATCO L3N71B, DA-5 (Includes Pulsar Non-Lockup)



ILL. # 2 IMPELLER HUBS, 1.651" (41.9mm)



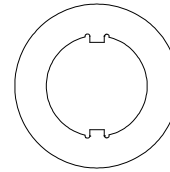
JH-1-5GRC



JH-1-31GRC

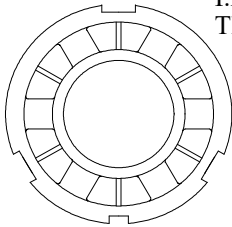
Suffix Code: No Suffix-Unfinished,
"G"- Finish Ground, "RC"- Hardness Rc 32-36

ILL. # 4 STEEL WASHER

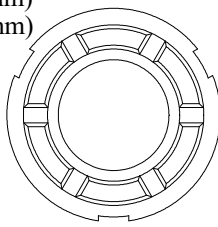


JW-2-1

ILL. # 6 STATOR CAP

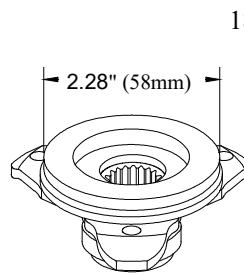


JW-4-1

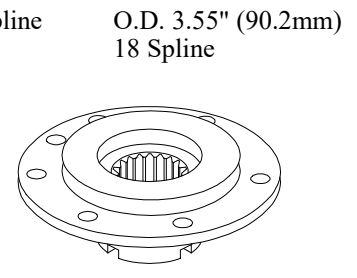


JW-4-3

ILL. # 14 TURBINE HUBS



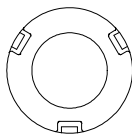
JX-13-5HT



JX-13-8HT

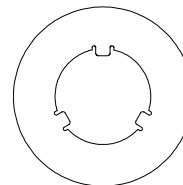
ILL. #23, 24

WASHER & RETAINER



JW-9-5

O.D. 1.46" (37mm)
I.D. .87" (22mm)
Thick. .12" (3mm)



JX-22-3

O.D. 2.75" (70mm)
I.D. 1.47" (37mm)
Thick. .04" (1mm)

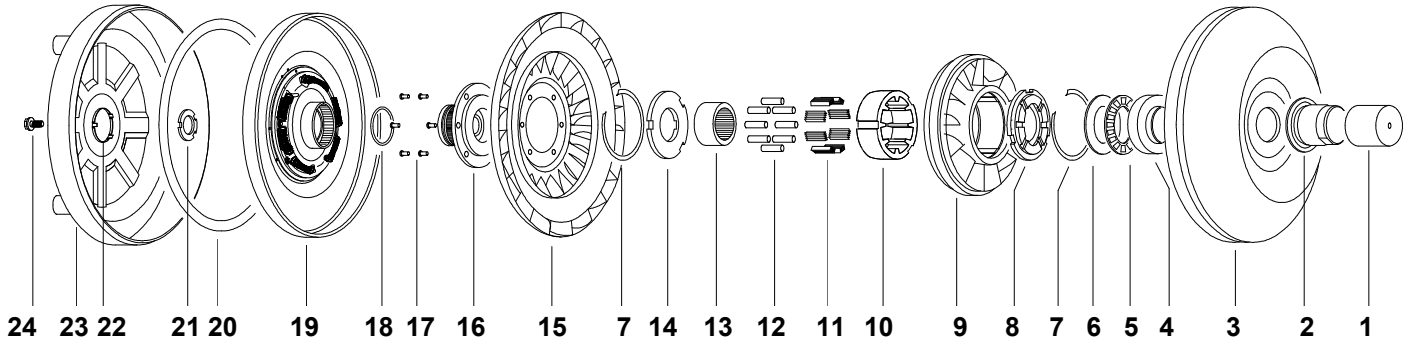
JATCO L3N71B, DA-5
(Includes Pulsar Non-Lockup)

▷ DACCO #	DA-5
▷ ATC	DA5
▷ OTHER	66-5L

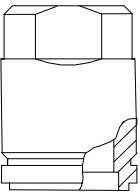
ILL.#		DESCRIPTION	QTY.	PART#
1	Hubcap®	Black, For 1-5/8" Dia. Hubs		MHC-B
2	Hub, Impeller	1.651" Dia. Hub, Butt Mount, Heat Treated 1.651" Dia. Hub, Through Mount, Heat Treated		JH-1-5GRC JH-1-31GRC
3	Impeller			
4	Washer, Steel	2 Lugs, 2.46" O.D., 1.54" I.D., .09" Thick		JW-2-1
5	Ring, Snap		2	
6	Cap, Stator	Phenolic, 2.83" O.D., 1.42" I.D., .34" Thick Aluminum, 2.83" O.D., 1.42" I.D., .34" Thick	2 2	JW-4-1 JW-4-3
7	Stator			
8	Race, Outer	(Cam)		JX-15-1
9	Spring, Accordion	4 Folds, .310" Height, .680" Wide	6	TS-6-1
10	Roller	.312" O.D., .705" Long	6	12960R
11	Race, Inner	30 Spline, 1.61" O.D., .71" High		JX-14-1
12	Ring	Reinforcement		
13	Turbine	225mm Diameter		
14	Turbine Hub	18 Spline, 2.28" Dia. 18 Spline, 3.55" Dia., Non-Lockup, Pulsar		JX-13-5HT JX-13-8HT
N.I.	Insert, Spline	18 Spline, .94" O.D., .88" High		JX-13-18X
15	O-Ring	34mm I.D., 2mm Thick, Standard Oversized, 1.327" I.D. x 0.088" Thick Oversized, 32mm I.D., 2.6mm Thick		JO-25-1 JO-25-1X JO-25-3
16	Rivet	.32" Shank Dia., 1.03" High	3	JX-12-3
17	Plate, Damper Cover		2	
18	Spring, Damper		6	
19	Ring, Damper			
20	Spring, Wave			
21	Lockup Clutch			JX-23-5
22	Lining	8.375" O.D., 7.500" I.D., .045" Thick 8.250" O.D., 7.125" I.D., .045" Thick 8.500" O.D., 7.250" I.D., .045" Thick		JX-23-1* JX-23-37* YX-23-19*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon "HC", for High Carbon, "T" for Tan				
23	Washer, Turbine	Metal, Replaces Phenolic		JW-9-5
24	Retainer			JX-22-3
25	Cover, Front			
26	Bolt			

JATCO L4N71B RWD, DA-8

Early & Late Models

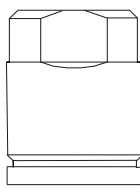


ILL. # 2 IMPELLER HUB, 1.651" (41.9mm)



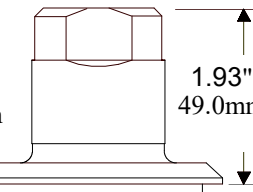
2.06"
52mm

JH-1-2GRC



1.94"
49.3mm

JH-1-31GRC



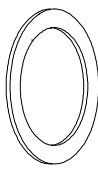
1.93"
49.0mm

JH-1-32FLGRC

Suffix Code: No Suffix - Unfinished,
"G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. # 4, 5, 6 BEARING & RACES

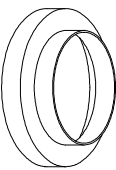
O.D. 2.35" (60mm) I.D. 1.59" (40mm) Thick. .08" (2mm)	O.D. 2.36" (60mm) I.D. 1.57" (40mm) Thick. .12" (3mm)	O.D. 2.37" (60.2mm) I.D. 1.40" (35.6mm) Height. .64" (16.3mm)
--	--	--



JW-2-5

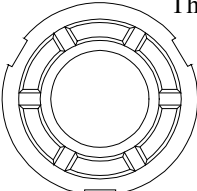
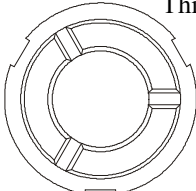
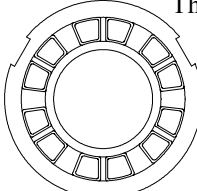


JW-2ND



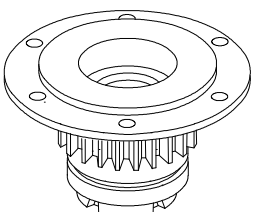
JW-2-6

ILL. # 8, 14 STATOR CAP

 JW-4-3 Aluminum	O.D. 2.83" (71.9mm) I.D. 1.42" (36.1mm) Thick. .35" (8.9mm)  JW-4-27 Aluminum	O.D. 2.83" (71.9mm) I.D. 1.42" (36.1mm) Thick. .37" (9.4mm)  JW-4-1 Phenolic
---	---	--

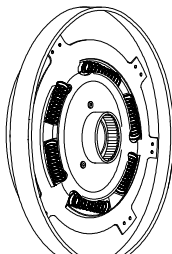
ILL. # 16 TURBINE HUB

O.D. 3.46" (87.9mm)
Height 1.80" (45.7mm)
18 Int. Spline
48 Ext. Spline



JX-13-6HT

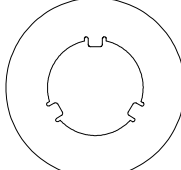
ILL. # 19 CLUTCH



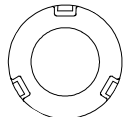
JX-23-13, Late Design

ILL. # 22, 21 RETAINER & WASHER

O.D. 2.75" (70mm) I.D. 1.6" (40.6mm) Thick. .04" (1mm)	O.D. 1.60" (40.6mm) I.D. .87" (22.1mm) Thick. .15" (3.8mm)
---	---



JX-22-2



JW-9-6

JATCO L4N71B RWD, DA-8

Early & Late Models

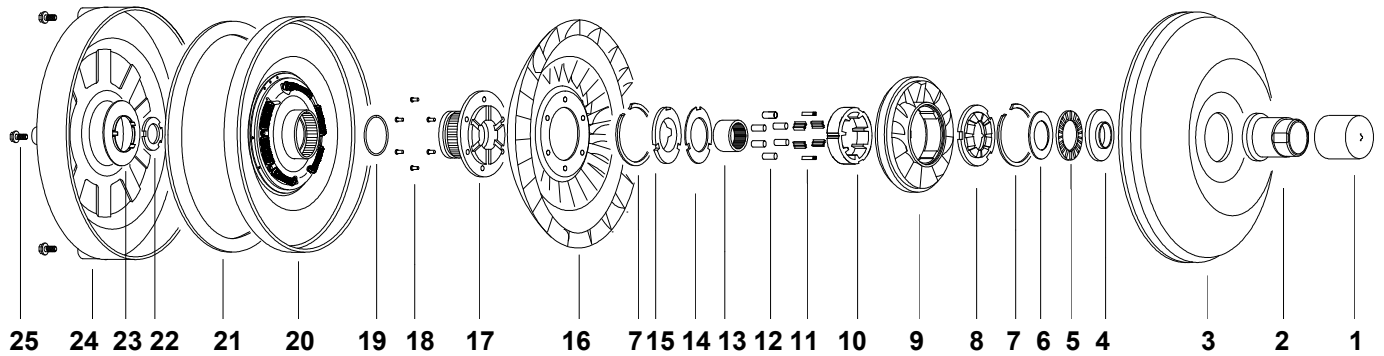
▷ DACCO #	DA-8
▷ ATC	DA8
▷ OTHER	66-8L

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap [®]		MHC-B
2	Hub, Impeller		JH-1-2GRC JH-1-31GRC JH-1-32FLGRC
3	Impeller		
4	Race, Bearing		JW-2-6**
5	Bearing		JW-2ND**
6	Race, Bearing		JW-2-5** JW-2-5T JW-2-5TT
7	Ring, Snap	2	
8	Cap Stator		JW-4-3 JW-4-27
9	Stator		
10	Race, Outer		JX-15-5
11	Spring, Accordion	8	JS-6-3 JS-6-5
12	Roller	8	JR-7-4 FR-7
13	Race, Inner		JX-14-4
14	Stator Cap		JW-4-1
15	Turbine		
16	Turbine Hub Insert, Spline		JX-13-6HT JX-13-18X
17	Rivet	6	WX-12A WX-12B
18	O-Ring		JO-25-2 JO-25-4
19	Lockup Clutch		JX-23-6 JX-23-13
20	Lining		SX-23-31K* SX-23-31X70K* JX-23-3K* JX-23-3X70K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan			
	Ring, Floating		JX-23-4
21	Washer, Turbine		JW-9-6
22	Retainer		JX-22-2
23	Cover, Front		
24	Bolt		

** Note: JW-2-6 Retainer, Bearing
JW-2-5 Race, Bearing
JW-2ND Bearing

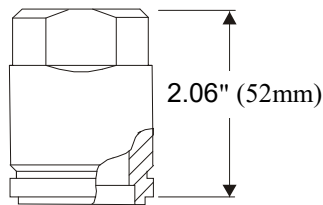
} Kit JW-2BK

JATCO R4A-EL, DA-8-20

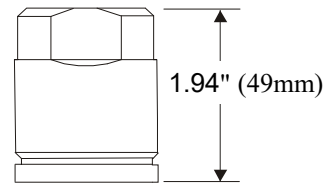


ILL. #2

IMPELLER HUB, 1.651" (41.9mm) DIA.



JH-1-2G



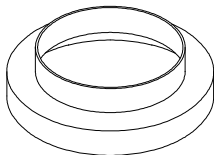
JH-1-31GRC

Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. #4

RETAINER

O.D. 2.37" (60mm)
I.D. 1.40" (35.6mm)
Height .64" (16.3mm)

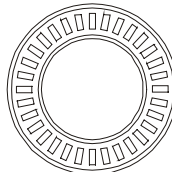


JW-2-6

ILL. #5

BEARING

O.D. 2.36" (59.9mm)
I.D. 1.57" (39.9mm)
Thick. .12" (3.0mm)

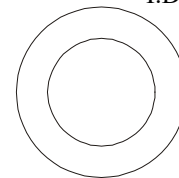


JW-2ND

ILL. #6

RACE

O.D. 2.35" (59.7mm)
I.D. 1.59" (40.4mm)

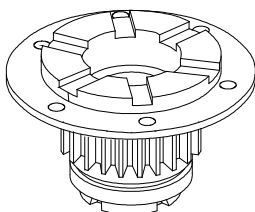


JW-2-5, .08" Thick
JW-2-5T, .04" Thick
JW-2-5TT, .03" Thick

ILL. #17

TURBINE HUB

O.D. 3.46" (87.9mm)
Height 1.86" (47.2mm)
20 Int. Spline
48 Ext. Spline

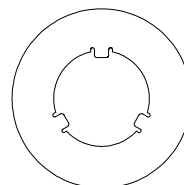


JX-13-28HT

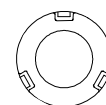
ILL. # 23, 22

RETAINER & WASHER

O.D. 2.75" (69.9mm) O.D. 1.60" (40.6mm)
I.D. 1.60" (40.6mm) I.D. .87" (22.1mm)
Thick. .04" (1.0mm) Thick. .15" (3.8mm)



JX-22-2



JW-9-6

JATCO R4A-EL, DA-8-20

▷ DACCO # DA-8-20

▷ ATC DA8B

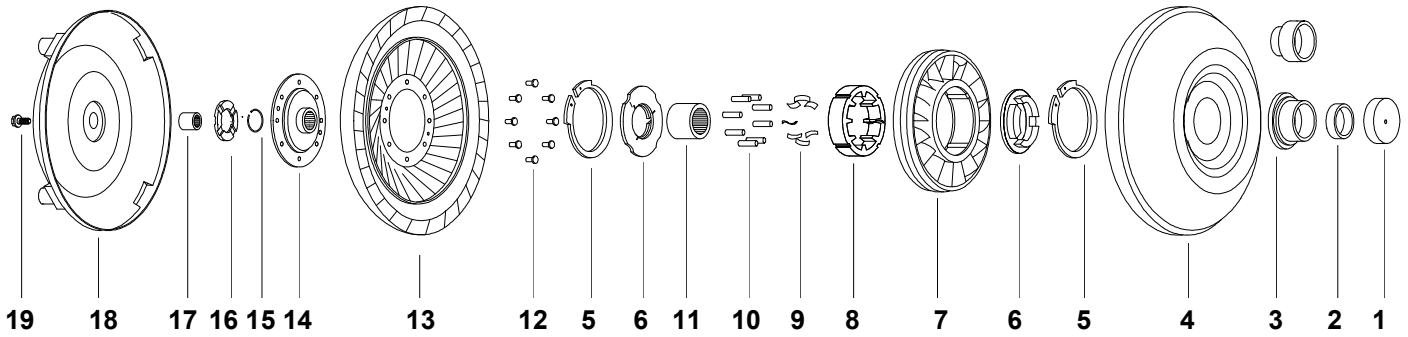
▷ OTHER 66-9

ILL. #		DESCRIPTION	QTY.	PART #
1	Hubcap®	Black, For 1-5/8" Dia. Hubs		MHC-B
2	Hub, Impeller	1.651" Dia. 2.08" Height		JH-1-2G
		1.651" Dia. 1.94" Height		JH-1-31GRC
3	Impeller			
4	Retainer, Bearing	2.37" O.D., 1.40" I.D., .64" High		JW-2-6**
5	Bearing	2.36" O.D., 1.57" I.D., .12" High		JW-2ND**
6	Race, Bearing	2.35" O.D., 1.59" I.D., .08" Thick		JW-2-5**
		.04" Thick		JW-2-5T
		.03" Thick		JW-2-5TT
7	Ring, Snap		2	
8	Cap, Stator	Aluminum		
9	Stator			
10	Race, Outer	(Cam)		
11	Spring, Accordion	.944" Wide, .240" High	6	JS-6-3
12	Roller	.314" Dia., .98" Long	6	JR-7-3
13	Race, Inner	30 Spline, 1.61" O.D. x 1.02" High		JX-14-4
14	Plate, Wear	Bimetal		
15	Bearing, Thrust	Enclosed		
16	Turbine	236mm Diameter		
17	Turbine Hub	20 Spline		JX-13-28HT
	Insert, Spline	18 Spline		JX-13-18X
18	Rivet	.214" Shank Dia., .312" Long, Tubular	6	FX-12
19	O-Ring	36mm I.D. x 2mm, Standard		JO-25-2
		40mm I.D. x 2.6mm, Oversize		JO-25-4
20	Lockup Clutch			JX-23-6
21	Lining	8-7/8" O.D., 8" I.D., .045" Thick		SX-23-31*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
22	Washer, Turbine	Metal, Replaces Phenolic, 1.60" O.D., .87" I.D., .15"		JW-9-6
23	Retainer	2.75" O.D., 1.60" I.D., .04" Thick		JX-22-2
24	Cover Front			
25	Bolt		4	

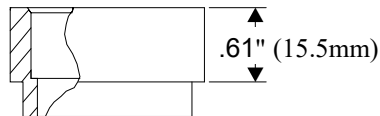
** Note: JW-2-6 Retainer, Bearing
 JW-2-5 Race, Bearing
 JW-2ND Bearing

Kit JW-2BK

JATCO RN3F01A, DA-10 Nissan



ILL. # 3 IMPELLER HUB, 1.770" (45mm) DIA.

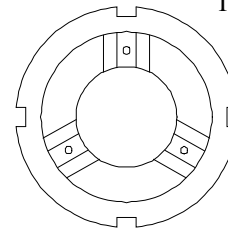


JH-1-8G

*Suffix Code: No Suffix - Unfinished,
"G" - Finish Ground, "RC" - Hardness Rc 32-36*

ILL. # 6 STATOR CAP

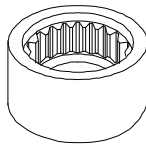
O.D. 3.07" (78mm)
I.D. 1.39" (35mm)
Thick .31" (7.9mm)



JW-4-16

ILL. # 11 INNER RACE

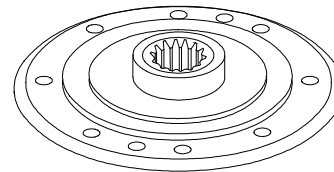
O.D. 1.65" (42mm)
Height. 1.08" (27.4mm)
30 Spline



JX-14-9

ILL. # 14 TURBINE HUB

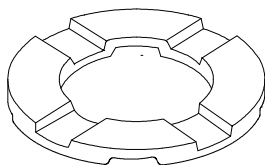
O.D. 3.94" (100mm)
Height .79" (20mm)
18 Spline



JX-13-34HT

ILL. # 16 TURBINE WASHER

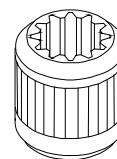
O.D. 2.52" (64mm)
I.D. 1.10" (27.9mm)
Thick. .16" (4.1mm)



JW-9-7

ILL. # 17 PUMP DRIVE

O.D. .62" (15.7mm)
Height .63" (16.0mm)
12 Int. Spline



JX-22-100

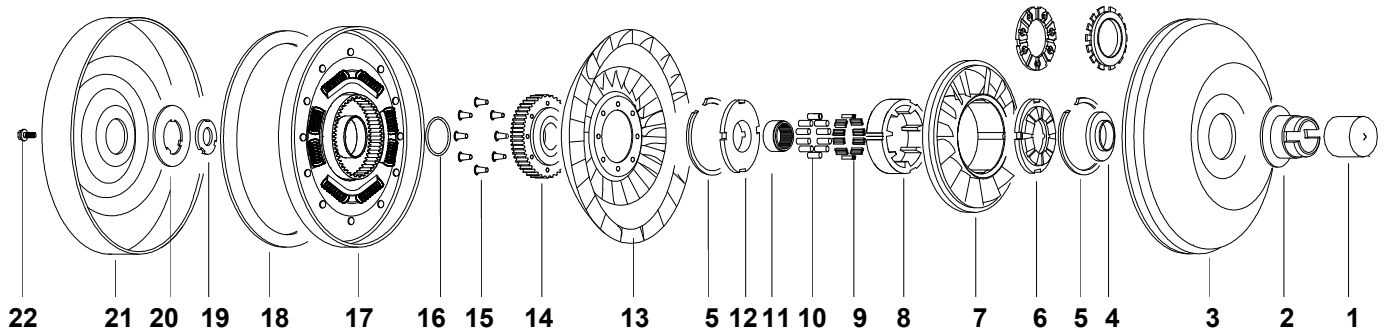
JATCO RN3F01A, DA-10

Nissan

▶ DACCO #	DA-10
▶ ATC	DA10
▶ OTHER	91-2

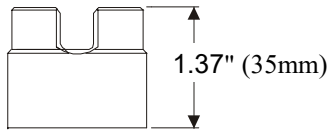
ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Gray, For 1-3/4" Dia. Hubs		MHC-P
2	Bushing	1.45" O.D., 1.30" I.D., .48" Wide		JB-18-6
3	Hub, Impeller			JH-1-8G
4	Impeller			
5	Ring, Snap		2	
6	Cap, Stator	Aluminum, 3.07" O.D., 1.39" I.D., .31" Thick	2	JW-4-16
7	Stator			
8	Cam			
9	Spring, Accordion	.68" Width, .19" High	8	YS-6-1
10	Roller	.235" Dia., .78" Long	8	YR-7-1
11	Race, Inner	1.65" O.D., 1.08" Height, 30 Spline		JX-14-9
12	Rivet	.193" Shank Dia., .500" Long	8	JX-12
		.193" Shank Dia., .625" Long	8	JX-12L
13	Turbine	236mm Diameter		
14	Turbine Hub	18 Spline		JX-13-34HT
	Insert, Spline	18 Spline		JX-13-18X
15	Ring, Snap	For Turbine Hub		
16	Washer, Turbine	Bronze, 2.52" O.D., 1.10" I.D., .16" Thick		JW-9-7
17	Pump Drive	Oil Pump Drive, .62" O.D., .63" High 12 Int. Spline		JX-22-100
18	Cover, Front			
19	Bolt		4	

JATCO RL4F02A, DA-11 Maxima

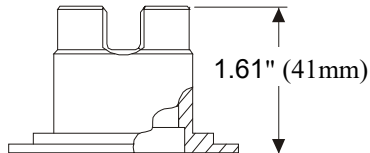


ILL. #2

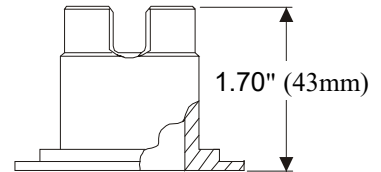
IMPELLER HUB, 1.809" (45.9mm) DIA.



JH-1-9GRC



JH-1-21GRC

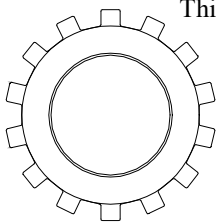


JH-1-22GRC

Suffix Code: No Suffix - Unfinished, G - Finish Ground, RC - Hardness Rc 32-36

ILL. #4

BEARING

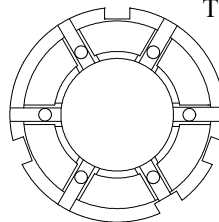


JW-2-2

O.D. 3.37" (86mm)
I.D. 2.05" (52mm)
Thick. .24" (6.1mm)

ILL. #6

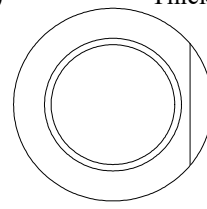
BEARING ADAPTER & BEARING



JW-4-24

Use w/ Bearing TW-2-4

O.D. 3.38" (86mm)
I.D. 1.70" (43mm)
Thick. .36" (9mm)

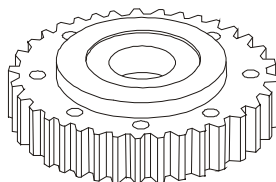


TW-2-4

O.D. 2.82" (72mm)
I.D. 1.90" (48mm)
Thick. .18" (4.6mm)

ILL. #14

TURBINE HUB

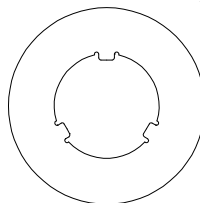


JX-13-14HT

O.D. 3.72" (94.5mm)
20 Int. Spline
46 Ext. Spline

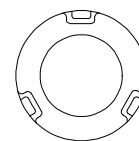
ILL. # 20, 19

RETAINER & WASHER



JX-22-3

O.D. 2.75" (70mm)
I.D. 1.47" (37mm)
Thick. .04" (1mm)



JW-9-5

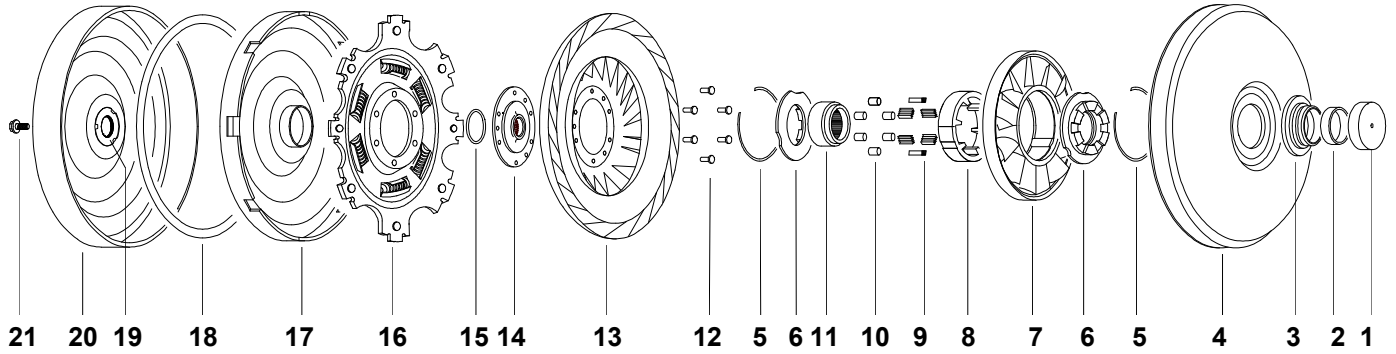
O.D. 1.46" (37mm)
I.D. .87" (22mm)
Thick. .12" (3mm)

JATCO RL4F02A, DA-11 **Maxima**

▷ DACCO #	DA-11
▷ ATC	DA11
▷ OTHER	93-1

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Blue, For 1-3/4" Dia. Hubs		MHC-BU
2	Hub, Impeller	Standard, Heat Treated		JH-1-9GRC
		Flanged, Heat Treated, Early		JH-1-21GRC
		Flanged, Heat Treated, Late		JH-1-22GRC
3	Impeller			
4	Bearing	Semi-Enclosed, Early		
		Enclosed, 14 Tangs, Late		JW-2-2
5	Ring, Snap		2	
6	Cap, Stator	Aluminum, 3.38" O.D., Use With JW-2-2 Bearing		JW-4-31
	Bearing Adapter	Use With TW-2-4 Bearing, .41" Assy. Height		JW-4-24
		Use With 35400C Bearing, .51" Assy. Height		JW-4-24L
7	Stator			
8	Cam			
9	Spring, Accordion	4 Folds, .240" Height, .765" Width	7	JS-6-4
10	Roller	.312" Dia., .750" Long	7	TR-7-1
11	Race, Inner	34 Spline		
12	Washer	Phenolic		
13	Turbine	250mm Dia.		
14	Turbine Hub	20 Spline		JX-13-14HT
	Insert	20 Teeth		JX-13-20
15	Rivet	.193" Shank Dia., .380" Long, Hollow	8	WX-12B
		.193" Shank Dia., .380" Long, Solid	8	WX-12BS
16	O-Ring	36mm I.D. x 2mm, Standard		JO-25-2
		40mm I.D. x 2.6mm, Oversize		JO-25-4
17	Lockup Clutch			JX-23-14
18	Lining, Friction	9-7/8" O.D., 9" I.D., .045" Thick		JX-23-10K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
19	Washer, Turbine	Metal, Replaces Phenolic		JW-9-5
20	Retainer	Steel		JX-22-3
21	Cover, Front			
22	Bolt		4	

JATCO RL3F01A DA-6, RL4F02A DA-13



ILL. # 3 IMPELLER HUBS		N.I. BEARING
1.886" (47.9mm) DIA.	1.809" (45.9mm) DIA.	O.D. 2.90" (73.7mm) I.D. 1.65" (41.9mm) Thick .24" (6.1mm)
JH-1-7GRC	JH-1-9GRC	JH-1-22GRC
<i>Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36</i>		JW-2-15
ILL. # 6 STATOR CAPS		ILL. # 14 TURBINE HUB
O.D. 2.92" (74mm) I.D. 1.56" (39.6mm) Thick. .36" (9mm)	O.D. 2.92" (74mm) I.D. 1.56" (39.6mm) Thick. .32" (8mm)	O.D. 3.55" (90mm) 18 Spline
JW-4-4	JW-4-18 Use w/ Bearing TW-2-4	JX-13-7HT
ILL. # 19 RETAINER & WASHER		N. I. SPLINE INSERT
O.D. 2.75" (69.9mm) I.D. 1.60" (40.6mm) Thick. .04" (1mm)	O.D. 1.60" (40.6mm) I.D. .87" (22.1mm) Thick. .15" (3.8mm)	O.D. .63" (16mm) Height .63" (16mm) 6 Int. Spline
JX-22-2	JW-9-6	JX-22-101

RL3F01A DA-6, RL4F02A DA-13

▷ DACCO # DA-6, DA-13

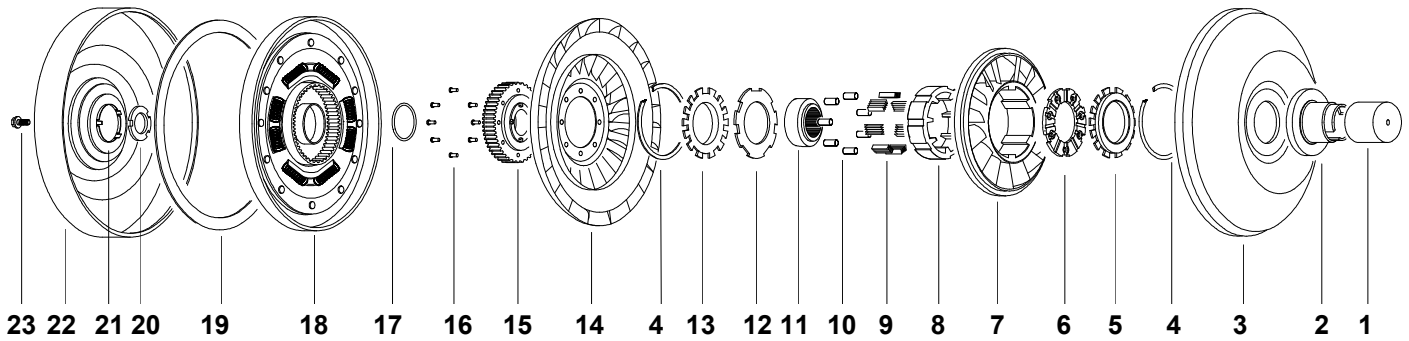
▷ ATC DA6, DA13

▷ OTHER 83-2, 93-2

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Blue, For 1-3/4" Dia. Hubs, DA-13 Yellow™, For DA-6		MHC-BU MHC-Y
2	Bushing	39mm I.D. x 42mm O.D., DA-6		JB-18-2
3	Hub, Impeller	DA-6, 1.809" Dia. DA-13, 1.886" Dia. Flanged, DA-13, 1.810" Dia.		JH-1-7GRC JH-1-9GRC JH-1-22GRC
4	Impeller			
5	Ring, Snap		2	
N.I.	Bearing	2.90" O.D., 1.65" I.D., .24" Thick., 12 Tangs, For DA-13	2	JW-2-15
6	Cap, Stator	Aluminum Replaces Phenolic, DA-6	2	JW-4-4
	Cap, Stator	Use With JW-2-15 Bearing, DA-13	2	JW-4-36
	Bearing Adapter	Use With TW-2-4 Bearing, DA-13	2	JW-4-18
7	Stator			
8	Cam			
9	Spring, Accordion	17mm Wide, 8mm High	6	TS-6
10	Roller	7mm Dia. x 17.5mm Long	6	JR-7-2
11	Race, Inner	30 Spline, 1.77" O.D., 1.04" High		JX-14-5
12	Rivet	.193" Shank Dia., .500" Long	6	JX-12
13	Turbine	236mm Diameter		
14	Turbine Hub	3.80" O.D., 18 Spline		JX-13-7HT
	Insert, Spline	18 Spline		JX-13-18X
15	O-Ring	Fluorocarbon, 34mm I.D., 2mm Thick Oversized, 1.327" I.D., 0.088" Thick		JO-25-1 JO-25-1X
16	Damper Assembly			
17	Lockup Clutch			JX-23-7
18	Lining	9-1/4" O.D., 8-5/16" I.D., .045" Thick 9.75" O.D., 9" I.D., .045" Thick, Tan		JX-23-20K* JX-23-33K*
	Ring, Floating	9-3/4" O.D., 7-17/32" I.D., .070" Thick		JX-23-9K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
19	Retainer			JX-22-2
	Washer, Turbine			JW-9-6
N. I.	Insert, Spline	Oil Pump Drive, 6 Spline		JX-22-101
20	Cover, Front			
21	Bolt		3	

JATCO RE4R01A, DA-18, DA-48

Pathfinder, Altima MPV



ILL. #2 IMPELLER HUBS, 1.809" (45.9mm) DIA.			ILL. #5 BEARING
JH-1-16GRC	JH-1-23GRC	JH-1-24GRC	O.D. 3.37" (86mm) I.D. 2.05" (52mm) Thick. .24" (6.1mm) JW-2-2
Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36			

ILL. #6 BEARING & BEARING ADAPTERS			ILL. #13 BEARINGS	
O.D. 2.82" (71.6mm) I.D. 1.90" (48.3mm) Thick. .18" (4.6mm) TW-2-4	O.D. 3.38" (86mm) I.D. 1.69" (43mm) Thick. .36" (9mm) JW-4-24	O.D. 3.38" (86mm) I.D. 1.70" (43mm) Mat. Thick. .08" (2mm) JW-4-11 Steel	O.D. 3.37" (86mm) I.D. 1.65" (42mm) Thick. .28" (7mm) JW-2-14	JW-2-16

ILL. #15 TURBINE HUB	ILL. # 21, 20 RETAINER & WASHER	
O.D. 3.72" (94.5mm) 20 Int. Spline 46 Ext. Spline JX-13-10HT	O.D. 2.75" (69.9mm) I.D. 1.47" (37.3mm) Thick. .04" (1.0mm) JX-22-3	O.D. 1.46" (37mm) I.D. .87" (22mm) Thick. .12" (3mm) JW-9-5

JATCO RE4R01A, DA-18, DA-48

Pathfinder, Altima MPV

▷ DACCO # DA-18

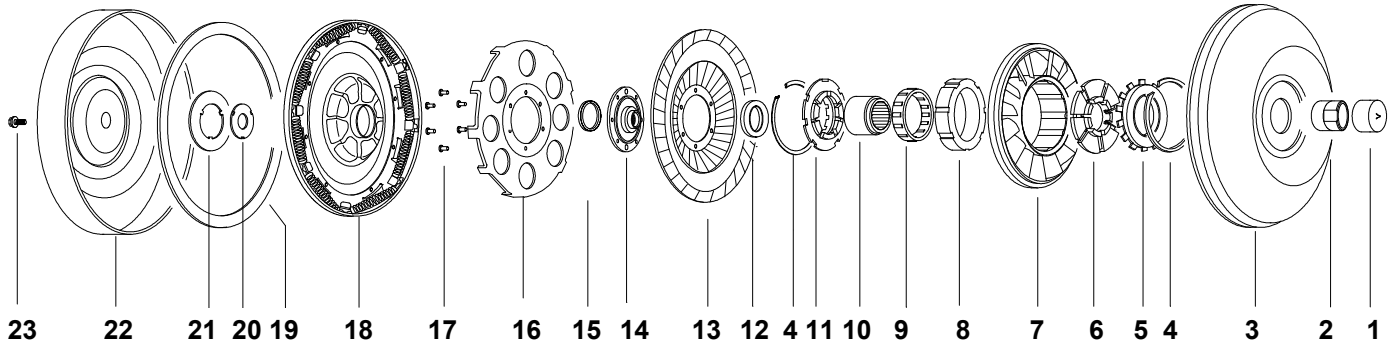
▷ ATC DA18

▷ OTHER 69-1

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Blue, For 1-3/4" Dia. Hubs		MHC-BU
2	Hub, Impeller	Standard, Non-Flanged, Heat Treated		JH-1-16GRC
		Flanged, Heat Treated		JH-1-23GRC
		Flanged, Heat Treated		JH-1-24GRC
3	Impeller			
4	Ring, Snap		2	
5	Bearing	Enclosed, 14 Tangs, DA-18		JW-2-2
		Enclosed, 12 Tangs, DA-48		JW-2-15
6	Cap, Stator	Aluminum, Use With JW-2-2 Bearing, DA-18		
	Bearing Adapter	Use With Stator Cap & TW-2-4 Bearing, DA-18		JW-4-11
	Bearing Adapter	Use With TW-2-4 Bearing, DA-18		JW-4-24
	Bearing Adapter	Use With JW-2-15 Bearing, DA-48 Front		JW-4-37
7	Stator			
8	Cam			
9	Spring, Accordion	19.5mm Wide, 6mm High	7	JS-6-4
10	Roller	8mm Dia., 20mm Long	7	TR-7-1
11	Race, Inner	34 Spline		
12	Plate, Wear	Bimetal, DA-18		
	Bearing Adapter	Use With JW-2-15 Bearing, DA-48 Rear		JW-4-38
13	Bearing	Enclosed, 7 Tangs, DA-18		JW-2-16
		Enclosed, 14 Tangs, DA-18		JW-2-14
		Enclosed, 12 Tangs, DA-48		JW-2-15
14	Turbine	250mm Diameter		
15	Turbine Hub	20 Spline		JX-13-10HT
16	Rivet	.193" Shank Dia., .380" Long, Hollow	8	WX-12B
		.193" Shank Dia., .380" Long, Solid	8	WX-12BS
17	O-Ring	36mm I.D. x 2mm, Standard		JO-25-2
		40mm I.D. x 2.6mm, Oversize		JO-25-4
18	Lockup Clutch			JX-23-14
19	Lining, Friction	9-7/8" O.D., 8 -3/4" I.D., .045" Thick		JX-23-22K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
20	Washer, Turbine	Metal, Replaces Phenolic		JW-9-5
21	Retainer	Steel		JX-22-3
22	Cover, Front			
23	Bolt		4	

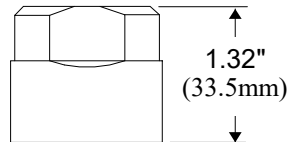
JATCO JF403, DA-20

Isuzu Impulse



ILL. #2

IMPELLER HUBS, 1.651" (41.9mm) DIA.

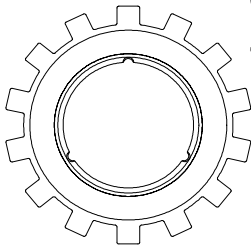


JH-1-35GRC

Suffix Code: No Suffix Unfinished, "G"-Finish Ground, "RC"- Hardness Rc 32-36

ILL. #5

BEARING

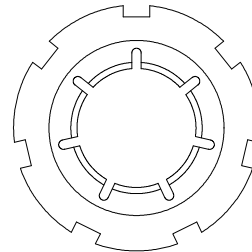


O.D. 3.53" (89.7mm)
I.D. 2.05" (52.1mm)
Thick. .24" (6.1mm)

JW-2-19

ILL. #11

STATOR CAP

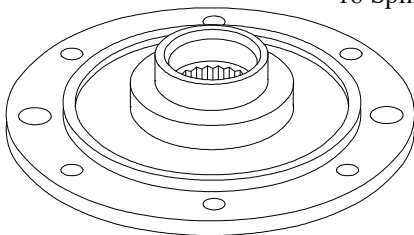


O.D. 3.54" (89.9mm)
I.D. 1.61" (40.9mm)
Thick. .22" (5.6mm)

JW-4-32

ILL #14

TURBINE HUB

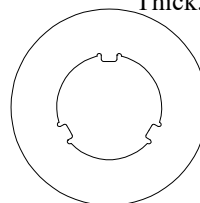


O.D. 3.70" (94mm)
18 Spline

JX-13-31HT

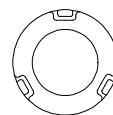
ILL. #20&21

RETAINER & WASHER



O.D. 2.75" (70mm)
I.D. .47" (37mm)
Thick. .04" (1mm)

JX-22-3



O.D. 1.46" (37mm)
I.D. .87" (22mm)
Thick. .12" (3mm)

JW-9-5

JATCO JF403, DA-20

Isuzu Impulse

► DACCO # DA-20

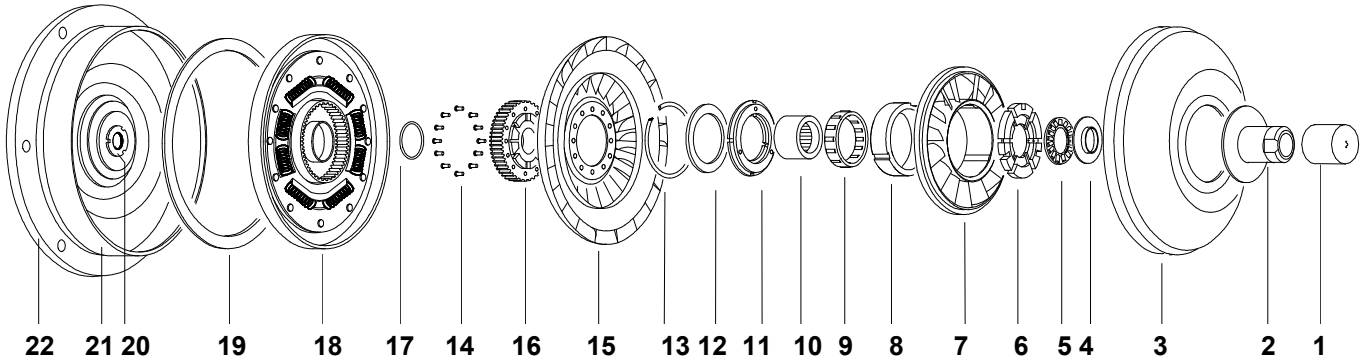
► ATC DA20

► OTHER 64-2

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Black, For 1-5/8" Dia. Hubs		MHC-B
2	Hub, Impeller	1.65" Dia., 1.32" High		JH-1-35GRC
3	Impeller			
4	Ring, Snap		2	
5	Bearing	Thrust / Enclosed, 14 Tangs		JW-2-19
6	Bearing Adapter	3.52" O.D., .33" High		
7	Stator			
8	Race, Outer			
9	Sprag	22 Cams		
10	Race, Inner	30 Spline, 1.86" O.D., .85" High		
11	Cap, Stator	3.54" O.D., .22" Thick.		JW-4-32
12	Bearing	Enclosed, 2.44" O.D., 1.49" I.D., .20" Thick		JW-2-20
13	Turbine			
14	Turbine Hub	18 Spline, 3.70" O.D.		JX-13-31HT
15	O-Ring	34mm × 2mm, Black		JO-25-1
		Oversized, 1.327" I.D. x 0.088" Thick		JO-25-1X
16	Plate			
17	Rivet	.193" Shank Dia., .50" Length, .312" Head Dia.	12	JX-12
18	Lockup Clutch	8 Springs		
19	Lining	9-1/4" O.D., 8-1/8" I.D., .045" Thick		FX-23-6K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
20	Retainer	Steel		JX-22-3
21	Washer, Turbine	Metal, Replaces Phenolic		JW-9-5
22	Cover, Front			
23	Bolt			

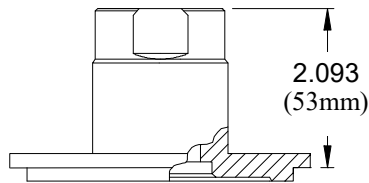
JATCO RG4R01A, DA-25

Isuzu, Jatco 4 Speed

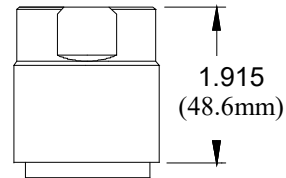


ILL. #2

IMPELLER HUBS, 1.809" (45.9mm) DIA.



JH-1-27GRC

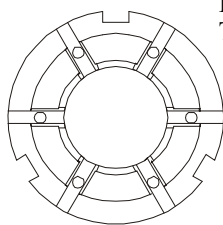


JH-1-37GRC

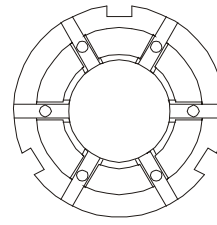
Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. #6, 11

BEARING ADAPTERS



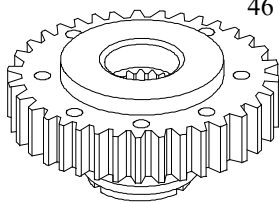
JW-4-21



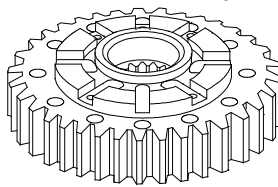
JW-4-22

ILL. #16

TURBINE HUBS



JX-13-26HT

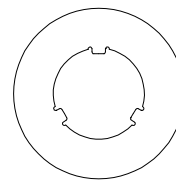


JX-13-35HT

ILL. #20

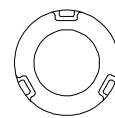
RETAINER & WASHER

O.D. 2.75" (70mm)
I.D. 1.47" (37mm)
Thick. .04" (1.0mm)



JX-22-3

O.D. 1.46" (37mm)
I.D. .87" (22mm)
Thick. .12" (3.0mm)



JW-9-5

JATCO RG4R01A, DA-25

Isuzu, Jatco 4 Speed

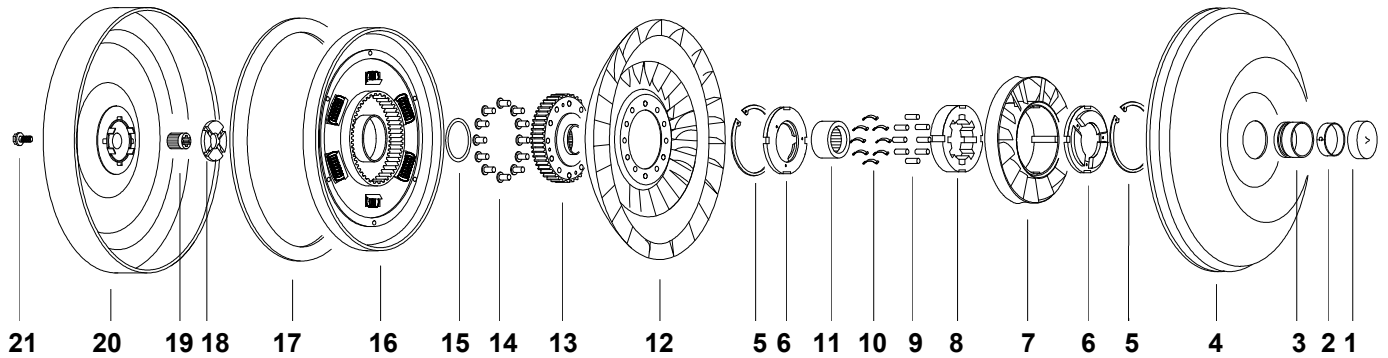
▷ DACCO # DA-25

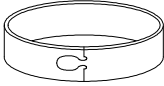
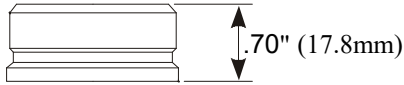
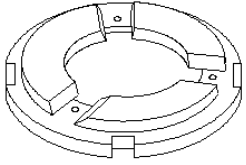
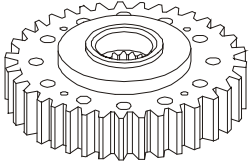
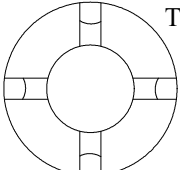
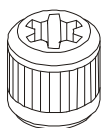
▷ ATC DA25

▷ OTHER 62-25

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Blue, For 1-3/4" Dia. Hubs		MHC-BU
2	Hub, Impeller	Flanged, Heat Treated		JH-1-27GRC
		Batt style, Heat Treated		JH-1-37GRC
3	Impeller			
4	Race, Bearing			
5	Bearing	Partially Enclosed, Use JW-4-21 & TW-2-4		
6	Cap, Stator	Aluminum		
	Bearing Adapter	Use TW-2-4 Bearing		JW-4-21
7	Stator			
8	Race, Outer			
9	Sprag			MC-1
10	Race, Inner	36 Spline, 2.156" O.D., 1.37" I.D., 1.25" High		JX-14-10
11	Cap, Stator			
	Bearing Adapter	Use TW-2-4 Bearing		JW-4-22
12	Bearing	Enclosed, Use JW-4-22 & TW-2-4		
13	Ring, Snap		2	
14	Rivet	.23" Shank Dia., .48" Long For JX-13-35	12	HX-12S
		.193" Shank Dia., .50" Length, .312" Head Dia.		
		For JX-13-26	8	JX-12
15	Turbine	292mm Diamter		
16	Turbine Hub	24 Int. Spline		JX-13-26HT
		24 Int. Spline		JX-13-35HT
17	O-Ring	36mm I.D. x 2mm, Standard		JO-25-2
		40mm I.D. x 2.6mm, Oversize		JO-25-4
18	Lockup Clutch			JX-23-28
19	Lining	10-3/4" O.D., 9-1/2" I.D., .045" Thick		JX-23-23K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
20	Retainer	Steel		JX-22-3
	Washer, Turbine	Metal, Replaces Phenolic		JW-9-5
21	Cover, Front			
22	Plate, Mounting	Allows Conversion from Other Models		

JATCO RL3F01A NISSAN MICRA, DA-35



ILL. #2 BUSHING O.D. 1.65" (42mm) I.D. 1.53" (38.9mm) Height .51" (13mm)  JB-18-2	ILL. #3 IMPELLER HUB, 1.886" (47.9mm) DIA.  JH-1-7GRC <i>Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36</i>
ILL. #6 STATOR CAP O.D. 2.84" (72mm) I.D. 1.34" (34mm) Thick .25" (6.4mm)  JW-4-39	ILL. #13 TURBINE HUB O.D. 3.72" (94.5mm) 18 Int. Spline 46 Ext. Spline  JX-13-15HT
ILL. #18 TURBINE WASHER O.D. 1.97" (50mm) I.D. 1.00" (25.4mm) Thick .23" (5.8mm)  JW-9-13	ILL. #19 SPLINE INSERT O.D. .63" (16mm) Height .63" (16mm)  JX-22-101

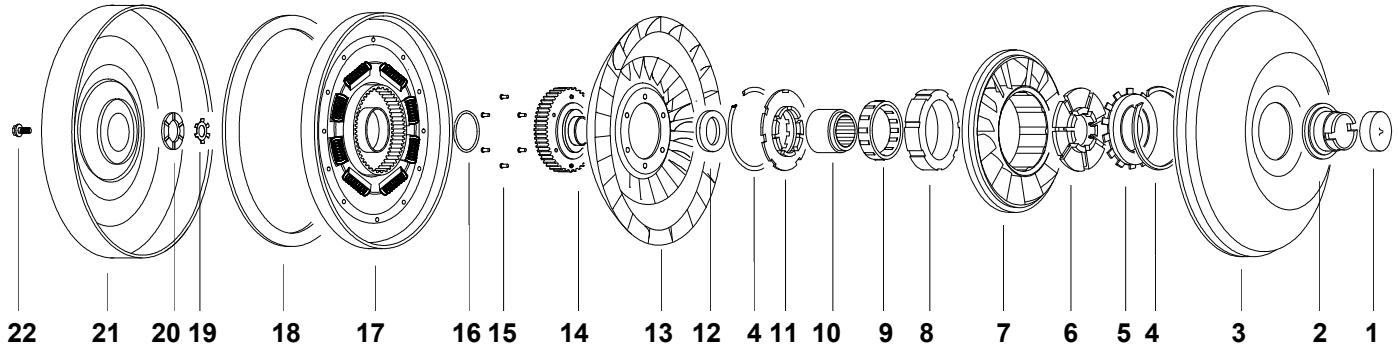
JATCO RL3F01A

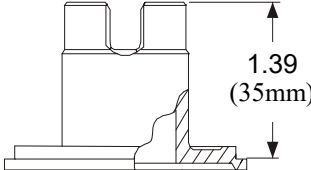
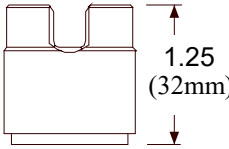
NISSAN MICRA, DA-35 DA35

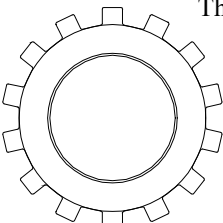
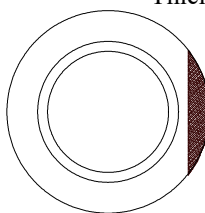
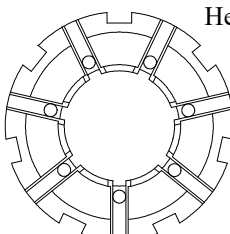
▶ DACCO #	DA-35
▶ ATC	DA44
▶ OTHER	83-5

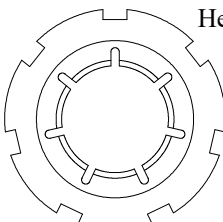
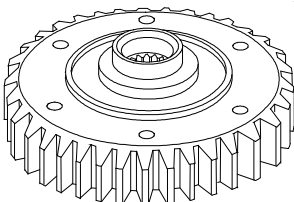
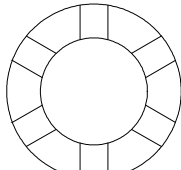
ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Yellow		MHC-Y
2	Bushing	42mm x 39mm		JB-18-2
3	Hub, Impeller	1.89" O.D. , .70" High		JH-1-7GRC
4	Impeller			
5	Ring, Snap		2	
6	Cap, Stator	2.84" O.D., 1.34" I.D., .25" Thick	2	JW-4-39
7	Stator			
8	Cam			
9	Roller		8	
10	Spring, Accordion		8	
11	Race, Inner	30 Spline		
12	Turbine	222mm Diameter		
13	Turbine Hub	18 Int., 46 Ext. Spline		JX-13-15HT
N.I.	Insert, Spline	18 Spline		JX-13-18X
14	Rivet	.193" Shank. Dia., .500" Long	8	JX-12
15	Seal	46 mm × 2.3 mm		FO-25-1
16	Lockup Clutch			JX-23-30
17	Lining	8-1/4" O.D., 7-5/8" I.D., .045" Thick		JX-23-24K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
18	Washer, Turbine			JW-9-13
19	Insert, Spline	Oil Pump Drive, 6 Spline		JX-22-101
20	Cover, Front			
21	Bolt			

JATCO RL4F03A, DA-28



ILL. #2	IMPELLER HUB, 1.651" (41.9mm) DIA.	
		
	JH-1-25GRC	JH-1-29GRC
Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36		

ILL. #5 BEARING	ILL. #6 BEARING & STATOR CAP	
 O.D. 3.37" (85.6mm) I.D. 2.05" (52mm) Thick. .24" (6.1mm) JW-2-2	 O.D. 2.82" (71.6mm) I.D. 1.90" (48.3mm) Thick. .19" (4.8mm) TW-2-4	 O.D. 3.54" (90mm) I.D. 1.37" (35mm) Height .39" (9.9mm) JW-4-15

ILL. #11 STATOR CAP	ILL. #14 TURBINE HUB	ILL. #20 WASHER
 O.D. 3.54" (90mm) I.D. 1.61" (40.9mm) Height .22" (5.6mm) JW-4-32	 O.D. 4.40" (112mm) 18 Int. Spline 54 Ext. Spline JX-13-30HT	 O.D. 1.50" (38mm) I.D. .91" (23mm) Height .16" (4.1mm) JW-9-12

JATCO RL4F03A, DA-28

► DACCO # DA-28

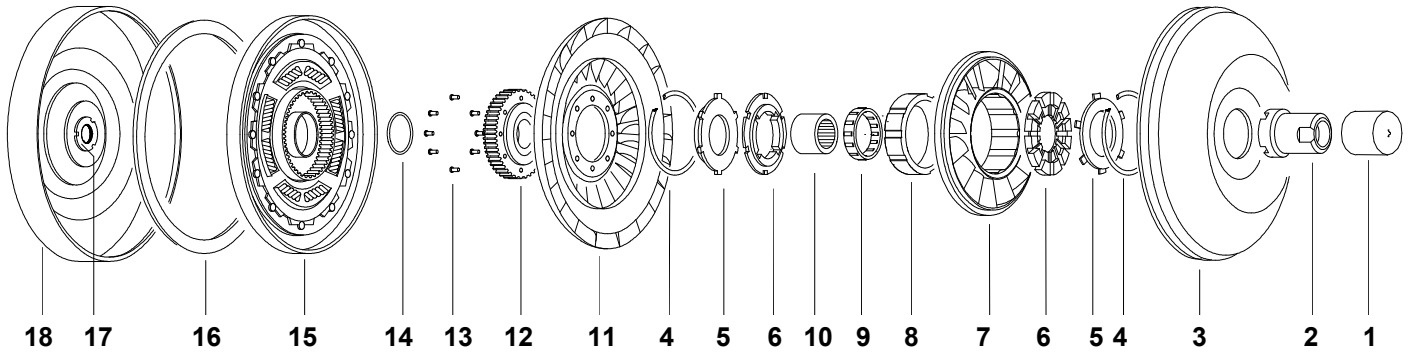
► ATC DA28

► OTHER 74-1

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®			MHC-B
2	Hub, Impeller	Flanged		JH-1-25GRC
		Butt Style		JH-1-29GRC
3	Impeller			
4	Ring, Snap		2	
5	Bearing	Enclosed		JW-2-2
6	Cap, Stator	Aluminum, Use JW-4-15 & TW-2-4		
	Bearing Adapter	Use TW-2-4 Bearing		JW-4-15
7	Stator			
8	Race, Outer			
9	Sprag			YC-6
10	Race, Inner	30 Spline, 2.15" O.D., 1.24" High		JX-14-10
11	Cap, Stator	Aluminum		JW-4-32
12	Bearing	Enclosed, 2.44" O.D., 1.49" I.D., .20" Thick		JW-2-20
13	Turbine			240mm Diameter
14	Turbine Hub	18 Spline		JX-13-30HT
N.I.	Insert, Spline	18 Spline		JX-13-18X
15	Rivet	.214" Shank Dia., .385" Long, Tubular	6	FX-12L
16	Seal	Scarf Cut, 40mm O.D.		JO-25-8
17	Lockup Clutch			JX-23-26
18	Lining	9-1/4" O.D., 8-1/8" I.D., .045" Thick		FX-23-6K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
19	Retainer			
20	Washer, Turbine	Bronze		JW-9-12
21	Cover, Front			
22	Bolt			

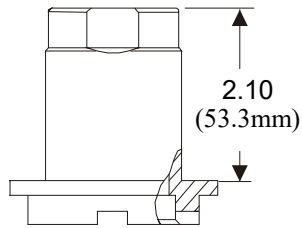
JATCO RE4R03A, DA-30

280mm, Infiniti

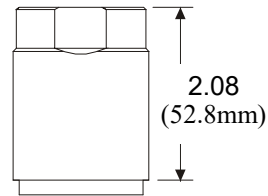


ILL. #2

IMPELLER HUB, 1.809" (45.9mm) DIA.



JH-1-14GRC

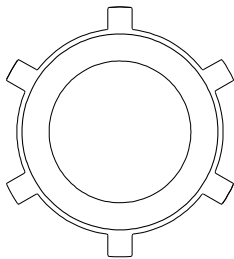


JH-1-13GRC

Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. #5

BEARING

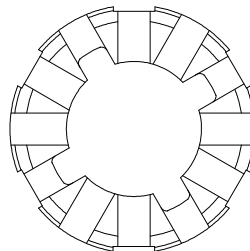


JW-2-17

O.D. 3.18" (80.8mm)
I.D. 1.60" (40.0mm)
Thick. .32" (8.00mm)

ILL. #6

STATOR CAP

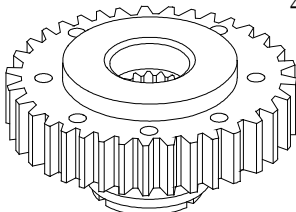


JW-4-33

O.D. 3.22" (81.8mm)
I.D. 1.53" (38.9mm)
Thick. .35" (8.9mm)

ILL. #12

TURBINE HUB

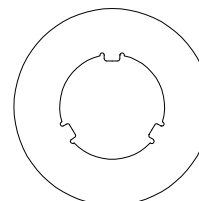


JX-13-26HT

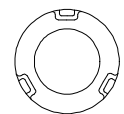
O.D. 3.72" (94.5mm)
24 Int. Spline
46 Ext. Spline

ILL. #17

RETAINER & WASHER



JX-22-3



JW-9-5

O.D. 2.75" (69.9mm) O.D. 1.46" (37mm)
I.D. 1.47" (37.3mm) I.D. .87" (22mm)
Thick. .04" (1.0mm) Thick. .12" (3.0mm)

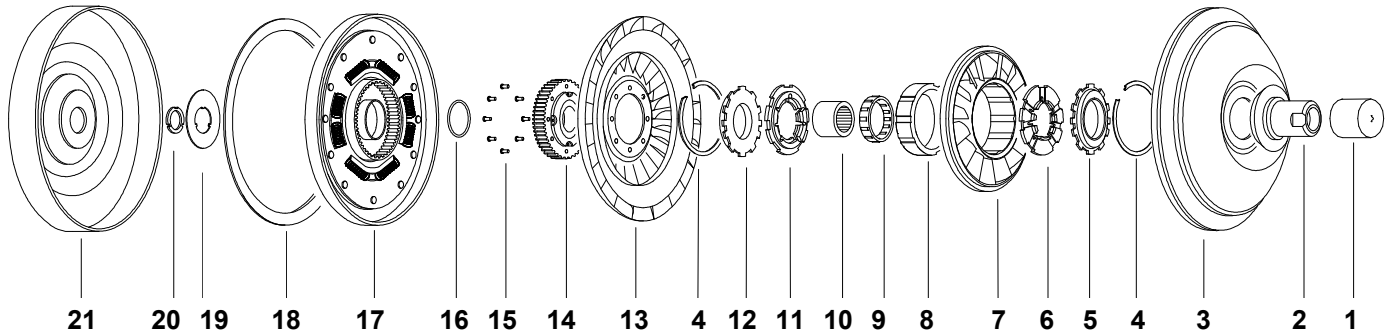
JATCO RE4R03A, DA-30

280mm, Infiniti

▷ DACCO #	DA-30
▷ ATC	DA39HS
▷ OTHER	69-12

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap®	Blue, For 1-3/4" Dia. Hubs	MHC-BU
2	Hub, Impeller	Standard, Heat Treated	JH-1-13GRC
		Flanged, Heat Treated	JH-1-14GRC
3	Impeller		
4	Ring, Snap	2	
5	Bearing	Enclosed, 6 Tangs	2 JW-2-17
6	Cap, Stator	Aluminum	2 JW-4-33
7	Stator		
8	Race, Outer		
9	Sprag		MC-4
10	Race, Inner	36 Spline	
11	Turbine	280mm Diameter	
12	Turbine Hub	24 Int. Spline, 46 Ext. Spline	JX-13-26HT
13	Rivet	.193" Shank Dia., .500" Long	8 JX-12
14	O-Ring	36mm I.D. x 2.1mm Wide, Standard	JO-25-2
		40mm I.D. x 2.6mm Wide, Oversize	JO-25-4
15	Lockup Clutch		JX-23-29
16	Lining	10-3/4" O.D., 9-1/2" I.D., .045" Thick	JX-23-23K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan			
17	Retainer	Steel	JX-22-3
	Washer, Turbine	Metal, Replaces Phenolic	JW-9-5
18	Cover, Front		

JATCO RE4R03A, DA-31 250mm



ILL. #2 IMPELLER HUB, 1.809" (45.9mm) DIA. JH-1-14GRC JH-1-13GRC JH-1-30GRC Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36	ILL. #5 BEARING O.D. 3.37" (85.6mm) I.D. 2.05" (52.1mm) Thick. .24" (6.1mm) JW-2-2
ILL. #6, 11 STATOR CAPS O.D. 3.38" (85.9mm) I.D. 1.70" (43.2mm) Thick. .41" (10.4mm) JW-4-17 Use w/ Bearing TW-2-4 O.D. 3.38" (85.9mm) I.D. 1.61" (40.9mm) Thick. .35" (8.9mm) JW-4-25 Use w/ Bearing JW-2-2 O.D. 3.38" (85.9mm) I.D. 1.61" (40.9mm) Thick. .25" (6.4mm) JW-4-26 Use w/ Bearing JW-2-14 or JW-2-16	ILL. #12 BEARINGS O.D. 3.37" (85.6mm) I.D. 1.65" (41.9mm) Thick. .28" (7.1mm) JW-2-14 O.D. 3.37" (85.6mm) I.D. 1.65" (41.9mm) Thick. .28" (7.1mm) JW-2-16
ILL. #14 TURBINE HUB O.D. 3.72" (94.5mm) 24 Int. Spline 46 Ext. Spline JX-13-27HT	ILL. #19,20 RETAINER & WASHER O.D. 2.75" (70mm) I.D. 1.47" (37mm) Thick. .04" (1.0mm) JX-22-3 O.D. 1.46" (37mm) I.D. .87" (22mm) Thick. .12" (3mm) JW-9-5

JATCO RE4R03A, DA-31

250mm

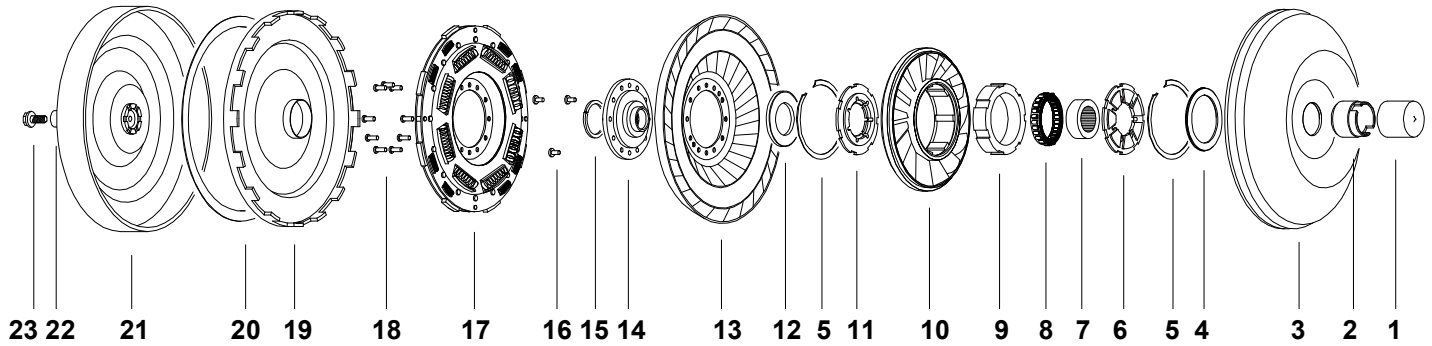
▷ DACCO # DA-31

▷ ATC DA41

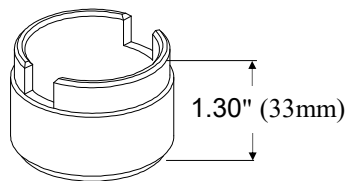
▷ OTHER 93-5

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Blue™, For 1-3/4" Dia. Hubs		MHC-BU
2	Hub, Impeller	Standard, Heat Treated		JH-1-13GRC
		Flanged, Heat Treated		JH-1-14GRC
		Butt Mount, Heat Treated		JH-1-30GRC
3	Impeller			
4	Ring, Snap		2	
5	Bearing	Enclosed, OE Style		JW-2-2
6	Bearing Adapter	Aluminum, OE Replacement, Use w/ JW-2-2 Bearing		JW-4-25
		Replacement, Use w/ TW-2-4 Bearing		JW-4-17
7	Stator			
8	Race, Outer			
9	Sprag			YC-6
10	Race, Inner	36 Spline, 1.862" x .888"		
11	Cap, Stator	Front, Aluminum		JW-4-26
12	Bearing	Enclosed, 3.37" O.D., 1.65" I.D., .28 Thick", 14 Tangs		JW-2-14
		Alternate, 7 Tangs		JW-2-16
13	Turbine	250mm Diameter		
14	Turbine Hub	24 Int. Spline, 46 Ext. Spline		JX-13-27HT
15	Rivet	.193" O.D, .50" Long	8	JX-12
16	O-Ring	36mm I.D. x 2mm Wide, Standard		JO-25-2
		40mm I.D. x 2.6mm Wide, Oversize		JO-25-4
17	Lockup Clutch			JX-23-28
18	Lining	9-1/4" x 10-9/16" x .045" Thick		TX-22X*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
19	Retainer	Steel		JX-22-3
20	Washer, Turbine	Metal, Replaces Phenolic		JW-9-5
21	Cover, Front			

JATCO RE4F04 A/V, DA-39



ILL. #2 IMPELLER HUB, 1.729 (44mm) DIA.



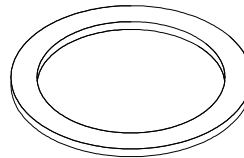
JH-1-15G

Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

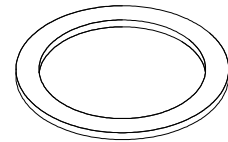
ILL. # 4,12

BEARINGS

O.D. 3.02" (76.7mm)	O.D. 2.63" (66.8mm)
I.D. 2.04" (51.8mm)	I.D. 1.74" (44.2mm)
Thick. .24" (6.1mm)	Thick. .19" (4.8mm)



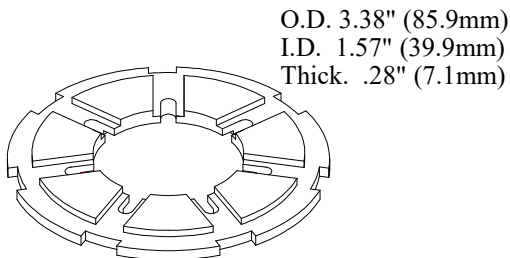
JW-2-26



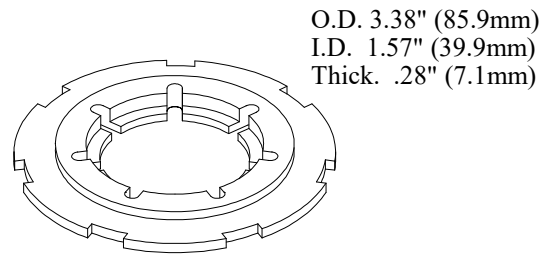
JW-2-27

ILL. # 6,11

STATOR CAPS



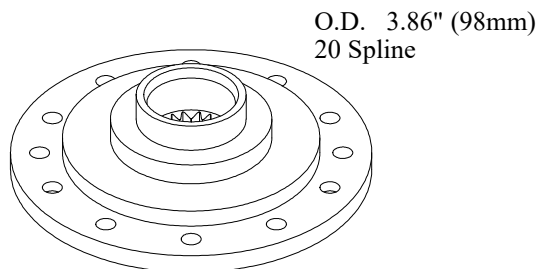
JW-4-44



JW-4-43

ILL. #14

TURBINE HUB



JX-13-47HT

JATCO RE4F04 A/V, DA-39

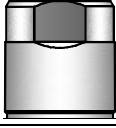
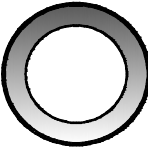
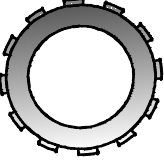
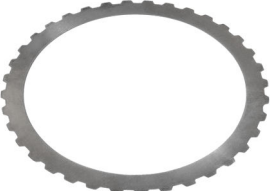
► DACCO # DA-39

► AXIOM DA39

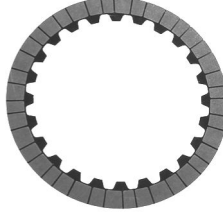
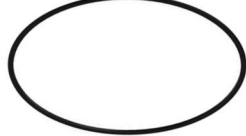
► OTHER 74-2

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Blue™, For 1-3/4" Dia. Hubs		MHC-BU
2	Hub, Impeller	Butt Mount		JH-1-15G
3	Impeller			
4	Bearing	Enclosed Type, 3.02" O.D., 2.04" I.D., .24" Thick		JW-2-26
5	Ring, Snap		2	
6	Cap, Stator	Aluminum, 3.38" O.D., 1.57" I.D., .28" Thick		JW-4-44
7	Race, Inner	32 Spline, 1.86" O.D., .81" High		
8	Sprag	22 Cams (S-315) Cam Repair Kit		YC-6 MS-315-22K
9	Race, Outer			
10	Stator			
11	Cap, Stator	Aluminum, 3.38" O.D., 1.57" I.D., .28" Thick		JW-4-43
12	Bearing	Enclosed Type, 2.63" O.D., 1.74" I.D., .19" Thick		JW-2-27
13	Turbine			
14	Turbine Hub	20 Spline, 3.96" O.D.		JX-13-47HT
15	Ring, Seal	PTFE, Scarf Cut, 43mm x 2.3mm		JO-25-9
16	Rivet	.25" Shank Dia., .40" Long , Tub.	3	JX-12-5
17	Lockup Clutch			
18	Rivet	.25" Shank Dia., .50" Long, Tub.	9	JX-12
19	Piston			
20	Lining	9-13/16" O.D., 8-13/16" I.D., .045 Thick		JX-23-32K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
21	Cover, Front			
22	Mounting Boss	M10 x 1.25	4	
23	Bolt	Hex Head M10 x 1.25	4	

JATCO RE5R05A DA-65
Nissan Titan 5.6L 2004-07

	DESCRIPTI	DIMENSIONS	ILLUSTRATION	PART#
Hub, Impeller	Butt style, Heat Treated	O.D. 1.809" / 46mm Height 1.740" / 44.2mm		JH-1-42GRC
Bearing,	Enclosed	O.D. 3.23" / 82 mm I.D. 2.21" / 56.2 mm Thick. .24" / 6 mm		JW-2-28
Bearing,	Enclosed, 12 Tangs	Tangs O.D. 3.50"/89mm O.D. 2.43" /61.7mm I.D. 1.50" / 38.1mm Thick. 0.15" / 3.8mm		JW-2-29
Plate <i>Made in USA</i>	Friction, 32 Discrete Segments, 2 Sides, 40 Internal Teeth	O.D. 6.47" / 164.3mm I.D. 5.15" / 130.8mm Thick. .072" / 1.8mm		JX-23-34
Plate	Steel, 36 Teeth	O.D. 6.76" / 171.7mm I.D. 5.61" / 142.5mm Thick. .071" / 1.8mm		JX-23-35
Pressure Plate	Steel, 36 Teeth	O.D. 6.76" / 171.7mm I.D.. 5.61" / 142.5mm Thick. 0.168" / 4.3mm Overall Thick. 0.26"/6.6mm		JX-23-36
Seal	PTFE, Turbine Hub, Straight Cut	O.D. 1.70" / 43.1mm Thick. .090" / 2.26mm Thick. .24" /6mm		JO-25-16
D-Ring	Fluorocarbon, Large, Piston	I.D. 5.91" / 150mm, Thick. .090" /2.26mm		JO-25-14
D-Ring	Fluorocarbon, Small, Piston	I.D. 2.07" / 52.7mm, Thick. .080" /2.1mm		JO-25-13

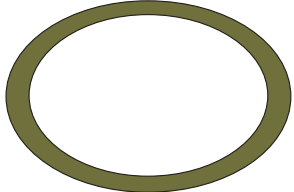
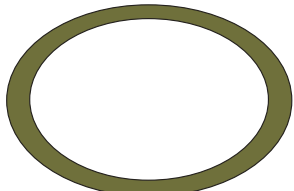
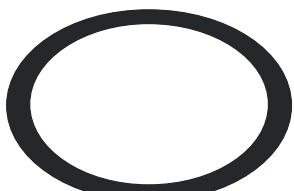
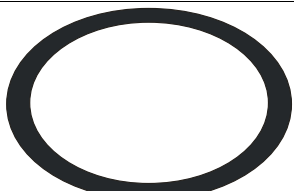
JATCO RE7R01A (JR710E)
7 speed, Infinity, Nissan '09 & Up

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART #
Hubcap®	Material: Plastic Color: Blue	For Hub Dia. 1-3/4" Length 1.500"		MHC-BU
Bushing	Material: Bimetal Style: Precision	Width 0.400" Housing Bore 1.678" Shaft Dia. 1.537"		JB-18-11
Hub, Impeller	Material: Hardened Steel Hub Mount: Flanged Style: Flats	Assembled Height: 1.702" Height: 1.904" Journal Dia.: 1.811" Flange Dia.: 3.660"		JH-1-43FLG
Bearing	Material: Hardened Steel Style: Enclosed	O.D. 3.228" I.D. 2.213" Thick. 0.236"		JW-2-28
Clutch Plate	Pressure Material: Steel 30 External Teeth	O.D. 7.110" I.D. 5.607" Thick. 0.071"		JX-23-40
Clutch Plate	Friction Material: Hardened Steel 24 Internal Teeth	O.D. 6.825" I.D. 5.147" Thick. 0.071"		JX-23-38
Clutch Plate	Material: Steel Teeth Count 30 External	O.D. 7.110" I.D. 5.607" Thick. 0.168"		JX-23-39
Seal Ring	Material: Fluorocarbon D-shape Outer Piston	O.D. 6.504" Width 0.081" Height 0.152"		JO-25-23

JATCO RE7R01A (JR710E) Continued
7 speed, Infinity, Nissan '09 & Up

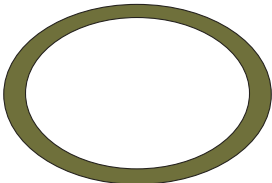
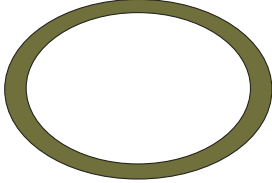
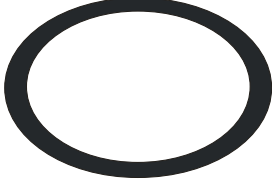
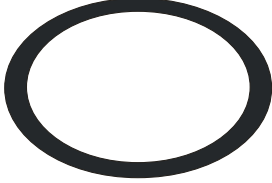
	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART #
Seal Ring	Material: Fluorocarbon D-Shape	O.D. 2.075" Width 0.083" Height 0.133"		JO-25-22
Turbine Washer	Material: Phenolic 8 Outer Notch	O.D. 1.487" I.D. 1.020" Thick. 0.189"		JW-9-16

JATCO, JF010E (RE0F09A)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Yellow	For 1.875" Dia. Hubs		MHC-Y
Impeller Hub	Material: Steel Hub Mount: Flanged 2-Lugs Pump Drive	Assembled Height: 1.640" Height 1.772" Journal Dia.: 1.928" Flange Dia.: 3.630"		JH-1-47FLG
Bearing	Material: Hardened Steel Enclosed	O.D. 3.228" I.D. 2.213" Thick.: 0.236"		JW-2-28
Lining	Material: Kevlar®	O.D. 9.875" I.D. 8.750" Thick. 0.045"		PX-23-9K
Lining	Material: Kevlar®	O.D. 9.875" I.D. 8.750" Thick. 0.070"		PX-23-9X70K
Lining	Material: High Carbon	O.D. 9.875" I.D. 8.750" Thick. 0.045"		PX-23-9HC
Lining	Material: High Carbon	O.D. 9.875" I.D. 8.750" Thick. 0.070"		PX-23-9X70HC*

** - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan*

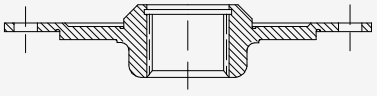
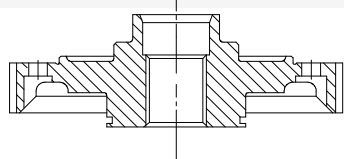
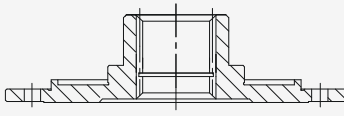
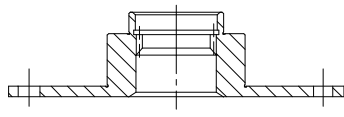
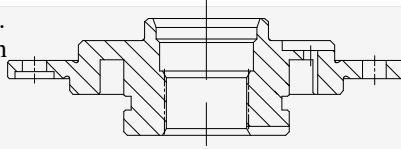
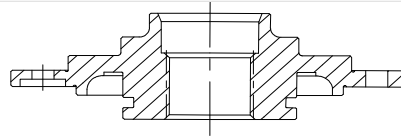
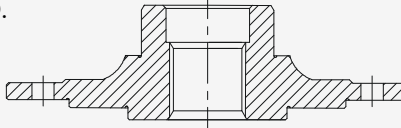
JATCO JF011E (RE0F10A)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color Red	For Hub Dia. 2.000"		MHC-R
Bushing	Bi-Metal	Housing Bore Dia.: 1.559" Shaft Dia.: 1.439" Width 0.438"		JB-18-10
Bearig	Enclosed	O.D. 3.150" I.D. 2.126" Thick. 0.213"		JW-2-30
O-Ring	Material: Fluorocarbon Color Black	I.D. 1.500" Cross Section 0.103"		JO-25-19
Seal Ring	Material: PTFE Color Black Seal Style Scarf cut	O.D. 1.693" Width 0.091" Height 0.083"		JO-25-21
Lining	Material: Kevlar®	O.D. 9.500" I.D. 8.250" Thick. 0.045"		PX-23-9K
Lining	Material: Kevlar®	O.D. 9.500" I.D. 8.250" Thick. 0.070"		PX-23-9X70K
Lining	Material: High Carbon	O.D. 9.500" I.D. 8.250" Thick. 0.045"		PX-23-9HC
Lining	Material: High Carbon	O.D. 9.500" I.D. 8.250" Thick. 0.070"		PX-23-9X70HC*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				

JATCO, JF011E (RE0F10A) Continued

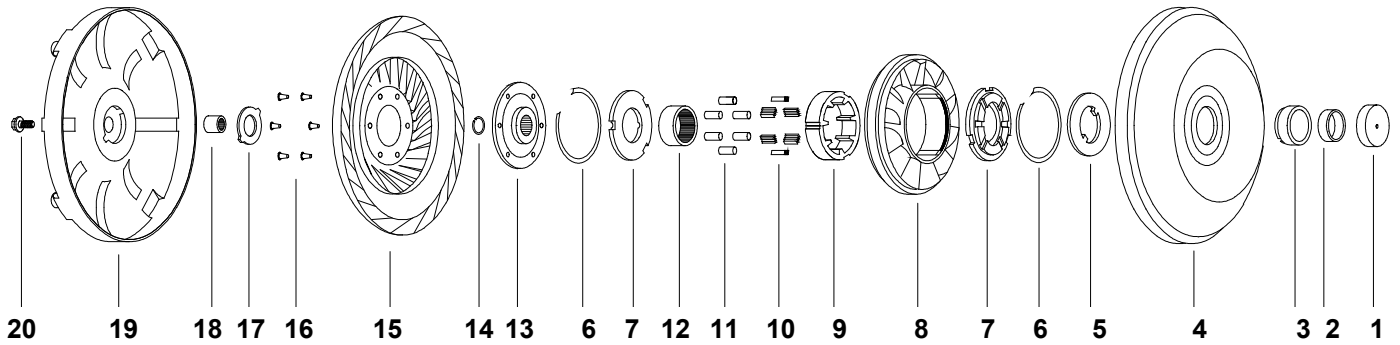
	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Turbine Washer	Material: Bronze	O.D. 1.650" I.D. 1.060" Thick. 0.170"		JW-9-15

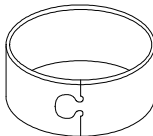
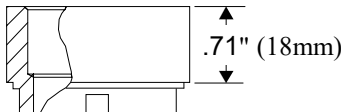
JATCO, Parts Not Cataloged Elsewhere

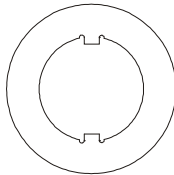
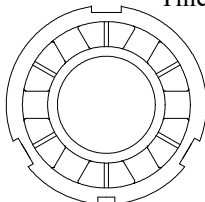
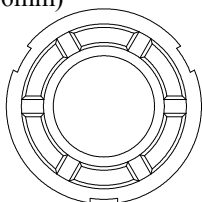
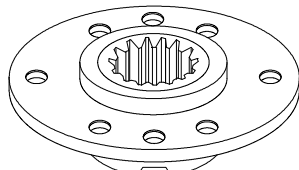
APPLICATION	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART #
TURBINE HUBS				
DA-22, DA-23	18 Spline 8 Rivet Holes	3.66" (93mm) O.D. .72" (18.3mm) High		JX-13-37HT
DA-38	18 Int. Spline 48 Ext. Spline 12 Rivet Holes	3.84" (97.5mm) O.D. 1.29" (32.8mm) High		JX-13-38HT
GM Suzuki Swift	18 Teeth 6 Rivet Holes	3.70" (94mm) O.D. .95" (24mm) High		JX-13-39HT
DA-43	18 Teeth 6 Rivet Holes	3.61" (91.7mm) O.D. .87" (22.1mm) High		JX-13-40HT
Nissan Silvia	18 Spline 6 Rivet Holes	3.80" (96.5mm) O.D. 1.04" (26.4mm) High		JX-13-44HT
DA-39, 42	20 Spline 12 Holes	3.86 (98mm) O.D. 1.15 (29mm) High		JX-13-47HT
Daikin Ind.	18 Spline 12 Rivet Holes	4.17 (105.9mm) O.D. 1.18 (30mm) High		JX-13-48HT

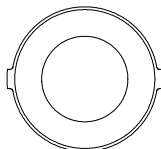
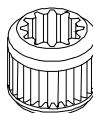
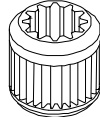
MAZDA

JATCO F3A FWD, DA-7 Mazda



ILL. #2 BUSHING		ILL. #3 IMPELLER HUB, 1.769" (44.9mm) DIA.	
 O.D. 1.41" (35.8mm) I.D. 1.30" (33mm) Height .47" (11.9mm) JB-18-3		 .71" (18mm) JH-1-6G	
		Suffix Code: No Suffix-Unfinished, "G" - Finish Ground, "RC"-Hardness Rc 32-36	

ILL. #5 STEEL WASHER	ILL. #7 STATOR CAP	ILL. #13 TURBINE HUB
O.D. 2.46" (62.5mm) I.D. 1.54" (39mm) Thick. .09" (2.3mm)  JW-2-1	O.D. 2.83" (72mm) I.D. 1.42" (36mm) Thick. .34" (8.6mm)   JW-4-1 Phenolic JW-4-3 Aluminum	O.D. 3.31" (84mm) Height .77" (19.6mm) 18 Spline  JX-13-1HT

ILL. #17 WASHER	ILL. #18 PUMP DRIVE
O.D. 1.46" (37mm) I.D. .87" (22mm) Thick. .102" (2.6mm)  JW-9	O.D. .64" (16.3mm) Height .63" (16.0mm) 12 Int. Spline  JX-22-100 O.D. .64" (16.3mm) Height .82" (20.8mm) 12 Int. Spline  JX-22-102

JATCO F3A FWD, DA-7 **Mazda**

▷ DACCO # DA-7

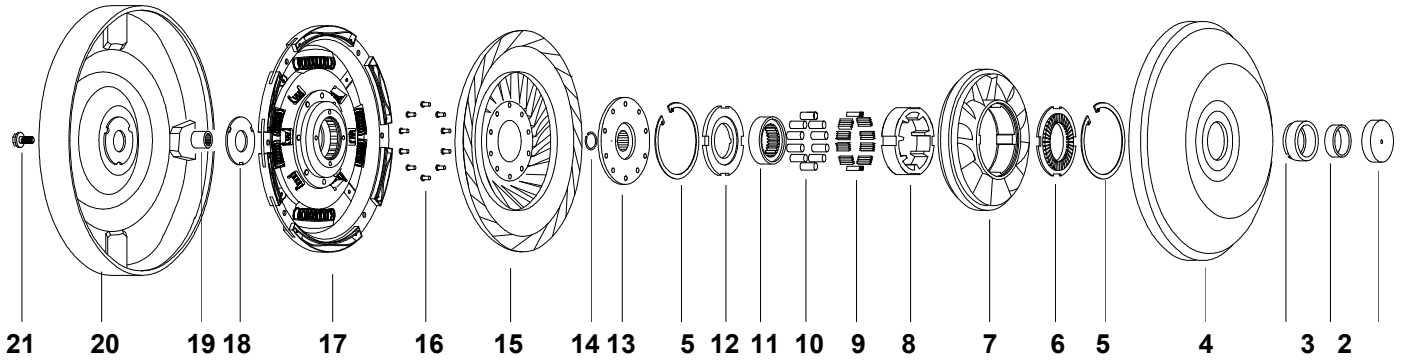
▷ ATC DA7

▷ OTHER 91-1

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Gray, For 1-3/4" Dia. Hubs		MHC-P
2	Bushing, Hub 1.41" O.D., 1.30" I.D., .47" High		JB-18-3
3	Hub, Impeller		JH-1-6G
4	Impeller		
5	Washer, Steel 2.46" O.D., 1.54" I.D., .09" Thick		JW-2-1
6	Ring, Snap	2	
7	Cap, Stator Phenolic, To Impeller, 2.83" O.D., 1.42" I.D., .34" Thick		JW-4-1
	Aluminum, To Turbine, 2.83" O.D., 1.42" I.D., .34" Thick		JW-4-3
8	Stator		
9	Cam		
10	Spring, Accordion .680" Wide, .310" Long	6	TS-6-1
11	Roller .705" Long, .312" Dia.	6	12960R
12	Race, Inner 30 Spline, 1.61" O.D., .71" High		JX-14-1
13	Turbine Hub 18 Spline, 3.31" O.D.		JX-13-1HT
N.I.	Insert, Spline 18 Spline, .94" O.D., .88" High		JX-13-18X
14	Ring, Snap For Turbine Hub		
15	Turbine 244mm Diameter		
16	Rivet .19" Shank Dia., .31" Long	6	WX-12A
17	Washer, Turbine Phenolic, 1.46" O.D., .87" I.D., .10" Thick		JW-9
18	Pump Drive Oil Pump Drive, 12 Internal Spline, .63" Long		JX-22-100
	12 Internal Spline, .82" Long		JX-22-102
19	Cover, Front		
20	Bolt		

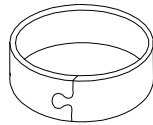
JATCO F3A, DA-12-TT

Mazda 323, Mercury Tracer, Laser



ILL. # 2

BUSHING

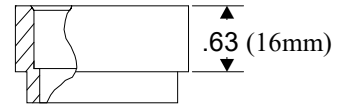


JB-18-6

O.D. 1.45" (37mm)
I.D. 1.30" (33mm)
Height .47" (12mm)

ILL. # 3

IMPELLER HUB, 1.770" (45mm) DIA.

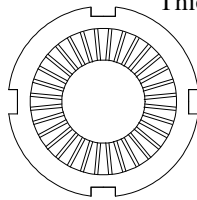


JH-1-8GRC

Suffix Code: No Suffix-Unfinished,
"G"- Finish Ground, "RC"-Hardness Rc 32-36

ILL. # 6

STATOR CAP

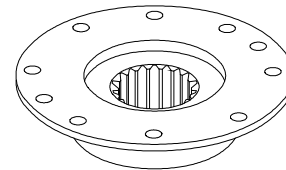


JW-4-10

O.D. 3.80" (96.5mm)
I.D. 1.65" (42mm)
Thick .24" (6.1mm)

ILL. # 13

TURBINE HUB

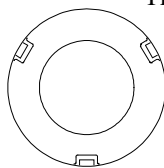


JX-13-9HT

O.D. 3.66" (93mm)
Height .91" (23mm)
18 Spline

ILL. # 18

TURBINE WASHER

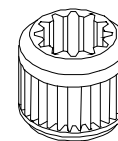


JW-9-11

O.D. 2.00" (50.8mm)
I.D. 1.22" (31mm)
Thick .12" (3mm)

ILL. # 19

PUMP DRIVE



JX-22-100

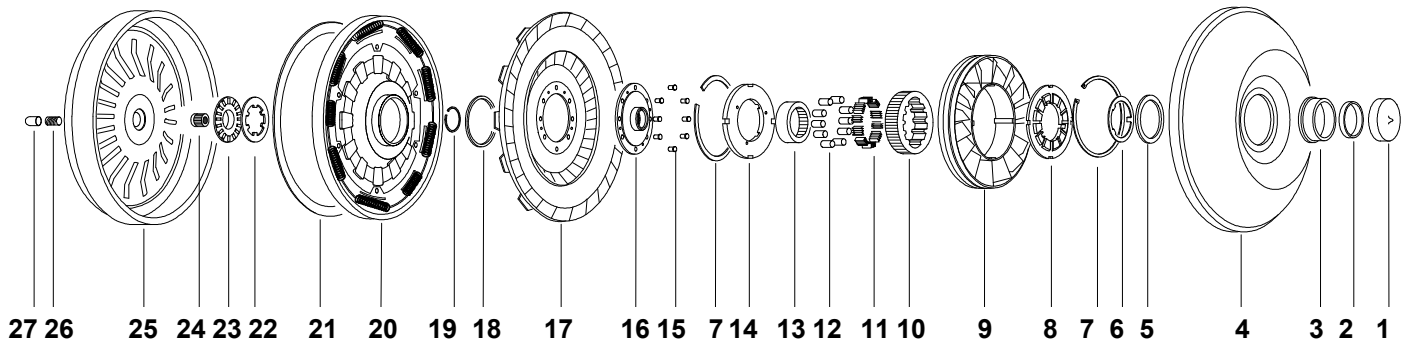
O.D. .63" (16mm)
Height .63" (16mm)
12 Int. Spline

JATCO F3A, DA-12-TT
Mazda 323, Mercury Tracer, Laser

▶ DACCO #	DA-12-TT
▶ ATC	DA12
▶ OTHER	91-3

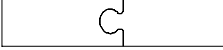
ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Gray, For 1-3/4" Dia. Hubs		MHC-P
2	Bushing	33mm I.D. x 36mm O.D.		JB-18-6
3	Hub, Impeller	Heat Treated		JH-1-8GRC
4	Impeller			
5	Ring, Snap		2	
6	Cap, Stator	Phenolic, 1.65" I.D., 3.8" O.D., .24" Thick		JW-4-10
7	Stator			
8	Cam			
9	Spring, Accordion	4 Folds, .530" Wide, .210" High	10	JS-6-1
10	Roller	.236" Dia. .x 530" Long	10	JR-7-1
11	Race, Inner	30 Spline		
12	Washer	Aluminum		
13	Turbine Hub	18 Spline, 3.66" O.D.		JX-13-9HT
	Insert, Spline	18 Spline, 1.5" O.D., 1.0" High		JX-13-18X
14	Ring, Snap			
15	Turbine	236mm Diameter		
16	Rivet	.214" Shank Dia. x .385" Long, Tubular	8	FX-12L
17	Piston, Lock-Up			
	Brake Shoe	With Lining		JX-23-211R
18	Washer, Turbine	Metal, Replaces Phenolic		JW-9-11
19	Insert, Spline	Oil Pump Drive, 12 Spline		JX-22-100
20	Cover, Front			
21	Bolt			

MAZDA 4EAT, DA-15, 15L/S, MAZDA 323, 626



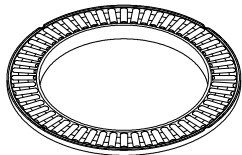
ILL #2, 3

BUSHINGS & IMPELLER HUBS

DA-15	DA-15L/S
 JB-18-7  JH-1-10GRC	 JB-18-8B, Bronze  JH-1-20FLGRC
O.D. 2.40" (61mm) I.D. 2.25" (57mm) Height .46" (12mm) O.D. 2.673" (68mm) O.D. Fl. 2.75" (70mm) I.D. 2.40" (61mm) Height .56" (14mm)	O.D. 2.24" (57mm) I.D. 2.09" (53mm) Height .47" (12mm) O.D. 2.670" (68mm) O.D. Fl. 3.54" (90mm) I.D. 2.24" (57mm) Height .79" (20mm)
Suffix Code: No Suffix Unfinished, "G"-Finish Ground, "GRC"- Hardness Rc 32-36	

ILL # 5 BEARING

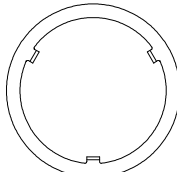
O.D. 3.22" (82mm)
I.D. 2.38" (60mm)
Thick. .11" (2.8mm)



JW-2-13

ILL #6 RACE

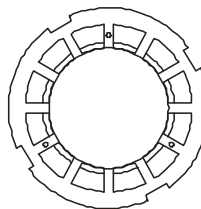
O.D. 3.00" (76mm)
I.D. 2.53" (64mm)
Thick. .08" (2.0mm)
Steel



JW-2-7

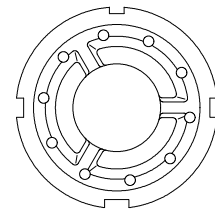
ILL #8, 14 BEARING ADAPTER, STATOR CAP

O.D. 3.80" (97mm)
I.D. 2.28" (58mm)
Thick. .34" (8.6mm)



JW-4-9

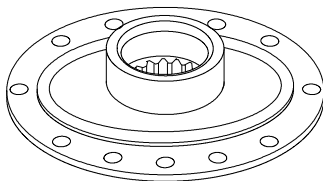
O.D. 3.81" (97mm)
I.D. 1.66" (42mm)
Thick. .27" (6.9mm)



JW-4-14

ILL #16 TURBINE HUB

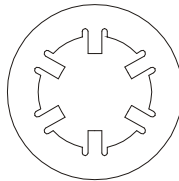
O.D. 4.09" (104mm)
25 Spline



JX-13-11HT

ILL #22 RACE

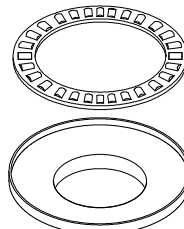
O.D. 2.08" (53mm)
Thick. .08" (2mm)
Steel



JW-9-9

ILL #23 BEARING ASSY.

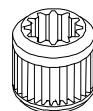
O.D. 2.27" (58mm)
I.D. .86" (22mm)



JW-9-8K

ILL #24 PUMP DRIVE

O.D. .64" (16mm)
Height .82" (21mm)
12 Spline



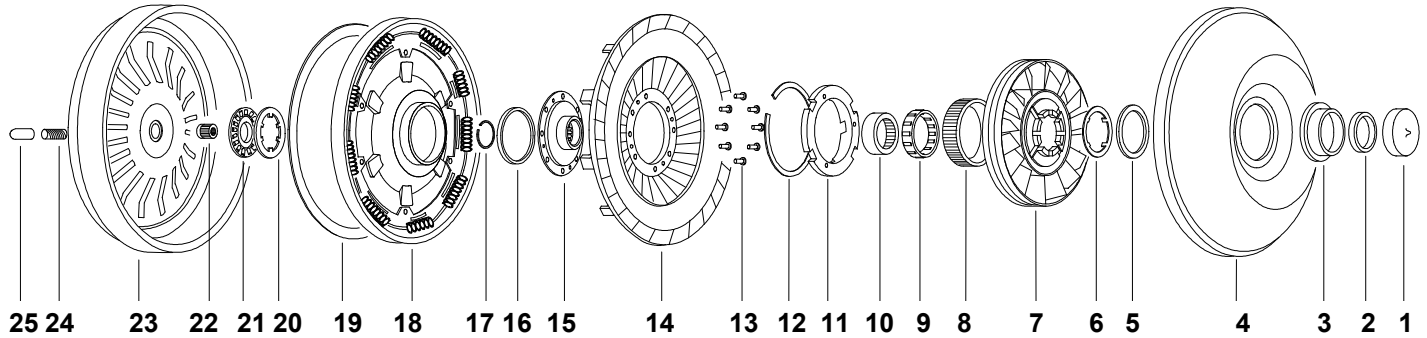
JX-22-102

MAZDA 4EAT, DA-15, 15L/S, MAZDA 323, 626

▷ DACCO #	DA-15, DA-15L/S
▷ ATC	DA15, DA15L/S
▷ OTHER	71-3, 71-1

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Orange, For 2.67" Dia. Hubs		MHC-RN
2	Bushing, Hub	2.40" O.D., 2.25" I.D., .46" High, Use With JH-1-10GRC		JB-18-7
		2.24" O.D., 2.09" I.D., .47" High, Use With JH-1-20FLGRC		JB-18-8B
3	Hub, Impeller	Standard, 2.67" O.D., 2.40" I.D., .56" High		JH-1-10GRC
		Use With JW-2-13 Bearing		
		Flanged, 2.67" O.D., 2.24" I.D., .79" High		JH-1-20FLGRC
		Use With JW-2-12 Bearing		
4	Impeller			
5	Bearing	Semi-Enclosed, Inside Lip, 3.22" O.D., 2.38" I.D., .11" Thick		JW-2-13
		Semi-Enclosed, 3.22" O.D., 2.44" I.D., .12" Thick		JW-2-12
6	Race, Steel	3 Lugs		JW-2-7
7	Ring, Snap		2	
8	Cap, Stator	Aluminum, OE Style, Use With Race JW-2-7		
		Bearing Adapter, Use With SW-2-11 Bearing		JW-4-9
9	Stator			
10	Cam			
11	Spring, Accordion	.530" Wide, .210" High, 4 Folds	10	JS-6-1
12	Roller	.235" Dia., .531" Long	10	JR-7-1
13	Race, Inner	35 Spline, 2.60" O.D., .54" High		JX-14-6
14	Cap, Stator	Aluminum, Front, 3.81" O.D., 1.66" I.D., .27" Thick		JW-4-14
15	Rivet	.214" Shank Dia., .385" Long, Tubular	8	FX-12L
16	Turbine Hub	25 Spline		JX-13-11HT
		25 Spline		JX-13-17HT
N.I.	Insert, Spline	25 Spline, EZ WELD™ Design		JX-13-25
17	Turbine	254mm Diameter		
18	Ring, Seal	PTFE, Heavy Duty, Scarf Cut, 60mm O.D.		JO-25-5
19	Ring, Snap			
20	Lockup Clutch	9 Springs And 12 Dimples, DA-15L/S		JX-23-16
		12 Springs, 40 Teeth, DA-15		
21	Lining	9-9/16" O.D., 8-5/8" I.D., .045", Use With JX-23-16		JX-23-15
		9-1/2" O.D., 8-1/2" I.D., .045", Alt. for DA-15L/S		NX-23-2
		9-1/4" O.D., 7-7/8" I.D., .045", Use With JX-23-19		JX-23-8K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
22	Race, Steel	6 Lugs		JW-9-9
23	Bearing Assembly	Cover/ Turbine		JW-9-8K
24	Pump Drive	Cover, 12 Spline, Heat Treated		JX-22-102
25	Cover, Front			
26	Stud	Threaded, M10 x 1.0	4	FX-10-13
27	Studcap™		4	MHC-STD
N.I.	Salvage Ring™	Core Saver™		JX-22-855

MAZDA 4EAT-G4A, DA-16, Mazda 626, Ford Probe



ILL. #2 BUSHING

O.D. 2.24" (57mm)
I.D. 2.09" (53mm)
Height .47" (12mm)

JB-18-8B

ILL. #3 IMPELLER HUBS

O.D. 2.673" (68mm)
O.D. Fl. 2.75" (70mm)
I.D. 2.24" (57mm)
Height .56" (14mm)



JH-1-12GRC

O.D. 2.670" (68mm)
O.D. Fl. 3.85" (98mm)
I.D. 2.24" (57mm)
Height .92" (23mm)

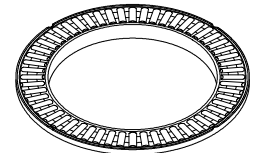


JH-1-19FLGRC

Suffix Code: No Suffix-Unfinished, "G"- Finish Ground,
"GRC"-Hardness Rc 32-36

ILL. #5 BEARING

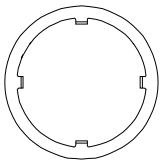
O.D. 3.22" (82mm)
I.D. 2.38" (60mm)
Thick. .11" (3mm)



JW-2-13

ILL. #6 STEEL RACE

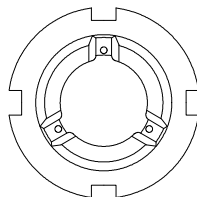
O.D. 3.00" (76mm)
I.D. 2.53" (64mm)
Mat. Thick. .08" (2mm)



JW-2-10

ILL. #11 STATOR CAP

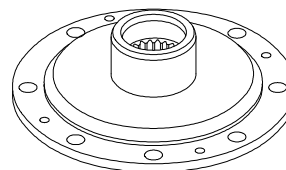
O.D. 3.97" (101mm)
I.D. 2.00" (50.8mm)



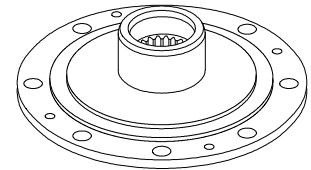
JW-4-13, Thick .30"
JW-4-28, Thick .24"

ILL. #15 TURBINE HUBS

O.D. 4.09" (104mm)
21 Spline



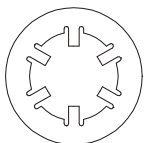
JX-13-29HT



JX-13-42HT

ILL. #20 STEEL RACE

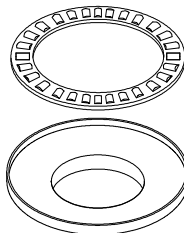
O.D. 2.08" (52.8mm)
Thick. .08" (2mm)
27 Spline



JW-9-9

ILL. #21 BEARING ASSEMBLY

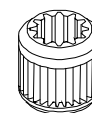
O.D. 2.27" (57.7mm)
I.D. .86"



JW-9-8K

ILL. #22 PUMP DRIVE

O.D. .64" (16.3mm)
Height .82" (.82mm)
12 Spline



JX-22-102

MAZDA 4EAT-G4A, DA-16, Mazda 626, Ford Probe

▷ DACCO # DA-16

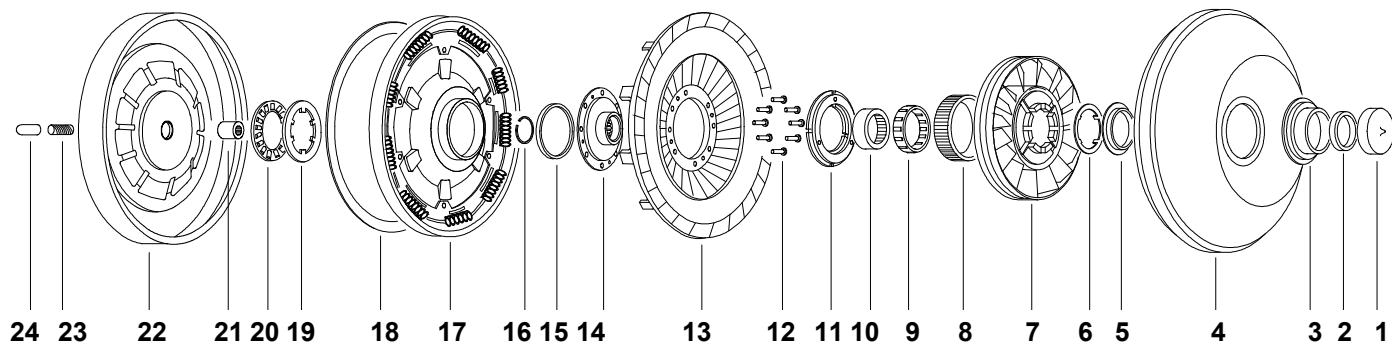
▷ ATC EM65

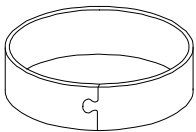
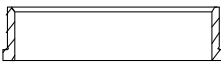
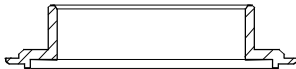
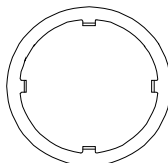
▷ OTHER 71-4

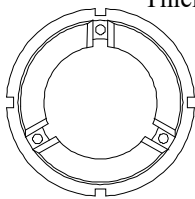
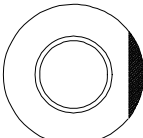
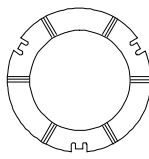
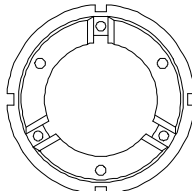
ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Orange, For 2.67" Dia. Hubs		MHC-RN
2	Bushing, Hub 2.09" I.D., Standard, Bronze Replaces Babbit 2.08" I.D., Bore In Place, Bronze Replaces Babbit		JB-18-8B JB-18-8BX
3	Hub, Impeller Standard, 2.67" O.D., 2.24" I.D., .56" High Use With JW-2-13 Bearing, .75" Installed Height Flanged, 2.67" O.D., 2.24" I.D., .79" High Use With JW-2-12 Bearing		JH-1-12GRC JH-1-19FLGRC
4	Impeller		
5	Bearing Semi-Enclosed, Inside Lip, 3.22" O.D., 2.38" I.D., .11" Thick Semi-Enclosed, 3.22" O.D., 2.44" I.D., .12" Thick		JW-2-13 JW-2-12
6	Race, Steel 4 Lugs		JW-2-10
7	Stator		
8	Race, Outer		
9	Sprag 26 Cams, 2.41" I.D. 2.82" O.D., .45" Thick		JC-6-2
10	Race, Inner 31 Spline, 2.28" O.D., .79" High		JX-14-7
11	Cap, Stator Use With JW-3 or **35400 & **JX-13-42 Turbine		JW-4-13 JW-4-28**
12	Ring, Snap		
13	Rivet .385" Long, .214" Shank Dia., Tubular	6	FX-12L
14	Turbine 250mm Diameter		
15	Turbine Hub 21 Spline, Snap Ring Installed 21 Spline		JX-13-29HT JX-13-42HT**
N.I.	Insert, Spline 21 Spline, EZ WELD™ Design		JX-13-21
16	Ring, Seal PTFE, Heavy Duty, Scarf Cut, 60mm O.D.		JO-25-5
17	Ring, Snap		
18	Lockup Clutch 9 Springs, 12 Dimples		JX-23-16
19	Lining 9-9/16" O.D., 8-5/8" I.D. x .045" Thick 9-9/16" O.D., 8-5/8" I.D. x .070" Thick 9-1/2" O.D., 8-1/2" I.D., .045" Thick 9-1/2" O.D., 8-1/2" I.D., .070" Thick		JX-23-15K* JX-23-15X70K* NX-23-2K* NX-23-2X70K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan			
20	Race, Steel		JW-9-9
21	Bearing Assembly Cover / Turbine		JW-9-8K
22	Pump Drive Cover, Improved, 12 Spline, Heat Treated		JX-22-102
23	Cover, Front		
24	Stud Threaded, M10 x 1.0	4	FX-10-13
25	Studcap™	4	MHC-STD
N.I.	Salvage Ring™ Core Saver™		TX-22-7915

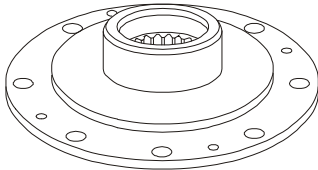
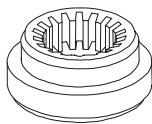
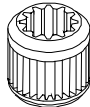
**Note: JW-4-28 Bearing Adapter
35400C Bearing
JX-13-42 Turbine Hub } Kit **JX-13-42K**

MAZDA G4A-HL DA-17



ILL. #2 BUSHING	ILL. #3 IMPELLER HUBS	ILL. #6 STEEL RACE
O.D. 2.24" (57mm) I.D. 2.09" (53mm) Height .47" (12mm)	O.D. 2.673" (67.9mm) O.D. 2.670" (67.8mm) O.D. Fl. 2.75" (70mm) O.D. Fl. 3.85" (97.8mm) I.D. 2.24" (57mm) I.D. 2.24" (57mm) Height .56" (14mm) Height .92" (23.4mm)	O.D. 3.00" (76mm) I.D. 2.53" (64mm) Mat. Thick. .08" (2mm)
	 	
JB-18-8B	JH-1-12GRC JH-1-19FLGRC Suffix Code: No Suffix Unfinished, "G"-Finish Ground, "GRC"- Hardness Rc 32-36	JW-2-10

ILL. #11 BRONZE WASHER, STATOR CAP WITH BEARING OR WASHER			
			
O.D. 3.36" (85mm) I.D. 2.02" (51mm) Thick. .30" (7.6mm)	O.D. 2.82" (71.6mm) I.D. 1.90" (48.3mm) Thick. .18" (4.6mm)	O.D. 2.81" (71.4mm) I.D. 1.99" (50.5mm) Thick. .08" (2.0mm)	O.D. 3.36" (85.3mm) I.D. 2.27" (57.7mm) Thick. .30" (7.6mm)
JW-4-12B	TW-2-4 JW-4-20	JW-3	JW-4-19

ILL #14 TURBINE HUBS	INSERT SPLINE	ILL. #21 PUMP DRIVE
O.D. 3.86" (98mm) 21 Spline	O.D. 1.38" (35mm) Height 1.14" (29mm) 21 Spline	O.D. .64" (16.3mm) Height .82" (20.8mm) 12 Spline
		
JX-13-12HT	JX-13-21	JX-22-102

MAZDA G4A-HL

DA-17

► DACCO # DA-17

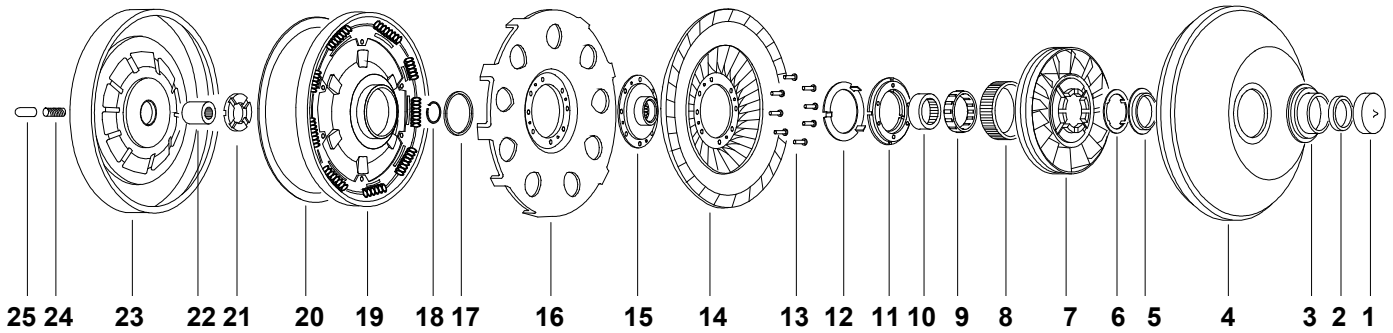
► ATC DA17

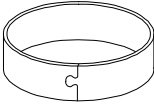
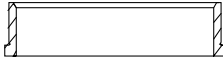
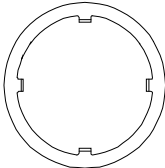
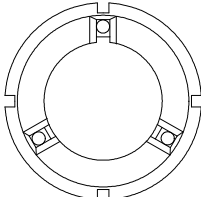
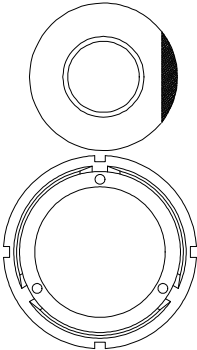
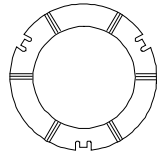
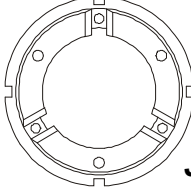
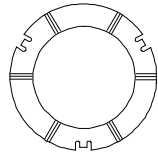
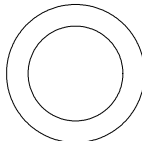
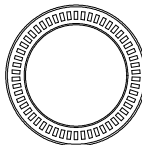
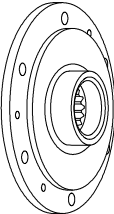
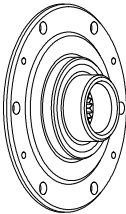
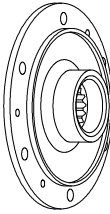
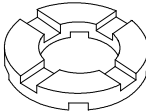
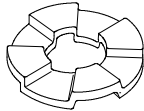
► OTHER 71-5

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Orange, For 2.67" Dia. Hubs		MHC-RN
2	Bushing, Hub	53mm I.D., Standard, Bronze Replaces Babbit		JB-18-8B
		52.8mm I.D., Bore In Place, Bronze Replaces Babbit		JB-18-8BX
3	Hub, Impeller	Standard, 2.67" O.D., 2.24" I.D., .56" High		JH-1-12GRC
		Use With JW-2-13 Bearing, 0.75" Installed Height		
		Flanged, 2.67" O.D., 2.24" I.D., .75" Installed Hight		JH-1-19FLGRC
		Use With JW-2-12 Bearing		
4	Impeller			
5	Bearing*	Semi-Enclosed, Inside Lip, 3.22" O.D., 2.38" I.D., .11" Thick		JW-2-13**
		Semi-Enclosed, 3.22" O.D., 2.44" I.D., .12" Thick		JW-2-12**
6	Race, Steel	4 Lugs		JW-2-10
7	Stator			
8	Race, Outer			
9	Sprag	2.82" O.D., 2.41" I.D., .45" Thick, 26 Cams		JC-6-2
10	Race, Inner	2.28" O.D., .79" High, 31 Spline		JX-14-7
11	Cap, Stator	Bronze Replaces Aluminum, 3.36" O.D., 2.02" I.D.		JW-4-12B
		Bearing Adapter For TW-2-4 Bearing		JW-4-20
		(Machine .065" From Turbine Hub)		
		Aluminum, To Adapt To JW-3 Bronze Washer		JW-4-19
12	Rivet	.385" Long, .214" Shank Dia., Tubular	8	FX-12L
13	Turbine	237mm Dia.		
14	Turbine Hub	21 Spline		JX-13-12HT
		21 Spline (Modified For JW-4-20 Bearing Adapter)		JX-13-36HT
N.I.	Insert, Spline	21 Spline, EZ WELD™ Design		JX-13-21
15	Ring, Seal	PTFE, Heavy Duty, Scarf Cut, 60mm O.D.		JO-25-5
16	Ring, Snap			
17	Lockup Clutch	9 Springs, 6 Deep Dimples		JX-23-18
18	Lining	9-1/4" O.D., 8-1/8" I.D., .045" Thick		FX-23-6K*
		* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan		
19	Race, Steel	6 Lugs, 2.08" O.D., 1.39" I.D., .08" Thick		JW-9-9
20	Bearing Assembly	Cover/Turbine		JW-9-8K
21	Pump Drive	Cover, Improved, 12 Spline, Heat Treated		JX-22-102
22	Cover, Front			
23	Stud	Threaded, M10 x 1.0	4	FX-10-13
24	Studcap™		4	MHC-STD
N.I.	Salvage Ring™	Core Saver™		TX-22-7915

** - See Page 12-14 For Illustration of Bearings **JW-2-12** & **JW-2-13**

MAZDA G4A, FORD 4EAT DA-24



ILL. #2 BUSHING O.D. 2.24" (57mm) I.D. 2.09" (53mm) Height .47" (12mm)  JB-18-8B	ILL. #3 IMPELLER HUBS O.D. 2.673" (67.9mm) O.D. Fl. 2.75" (69.9mm) I.D. 2.24" (56.9mm) Height .56" (14.2mm)  JH-1-12GRC O.D. 2.670" (67.8mm) O.D. Fl. 3.85" (97.8mm) I.D. 2.24" (56.9mm) Height .92" (23.4mm)  JH-1-19FLGRC Suffix Code: No Suffix Unfinished,Finish Ground, "G"- Finish Ground, "GRC"- Hardness Rc 32-36	ILL. #5 BEARING O.D. 3.22" (81.8mm) I.D. 2.44" (62mm) Thick. .12" (3mm)  JW-2-12
ILL. #6 RACE O.D. 3.00" (76mm) I.D. 2.53" (64mm) Mat. Thick. .08" (2mm)  JW-2-10	ILL. #11, 12 BRONZE WASHER, STATOR CAP W/ BEARING OR WASHER O.D. 3.36" (85mm) I.D. 2.02" (51mm) Thick. .30" (7.6mm)  JW-4-12B  JW-4-20 O.D. 2.82" (71.6mm) I.D. 1.90" (48.3mm) Thick. .18" (4.57mm)  TW-2-4 O.D. 3.36" (85mm) I.D. 2.27" (58mm) Thick. .30" (7.6mm)  JW-4-19 O.D. 2.81" (71.4mm) I.D. 1.99" (50.5mm) Thick. .08" (2mm)  JW-3	
N.I. RACE, BEARING O.D. 2.75" (70mm) I.D. 2.01" (51mm) Thick. .10" (2.5mm)  JW-2-21 O.D. 2.63" (67mm) I.D. 1.89" (48mm) Thick. .11" (2.8mm)  JW-2-22	ILL. #15 TURBINE HUBS O.D. 3.86" (98mm), 21 Spline  JX-13-13HT  JX-13-41HT  JX-13-43HT JX-13-46HT For DA-24 Late	ILL. #21 WASHER O.D. 2.25" (57mm) I.D. 1.38" (35mm) Thick. .25" (6mm)  JW-9-10 OE Style, Phenolic O.D. 2.05" (52mm) I.D. 1.20" (30mm) Thick. .25" (6mm)  JW-9-14 Bronze Repl. For DA-24 Late

MAZDA G4A, FORD 4EAT

DA-24

▷ DACCO # DA-24

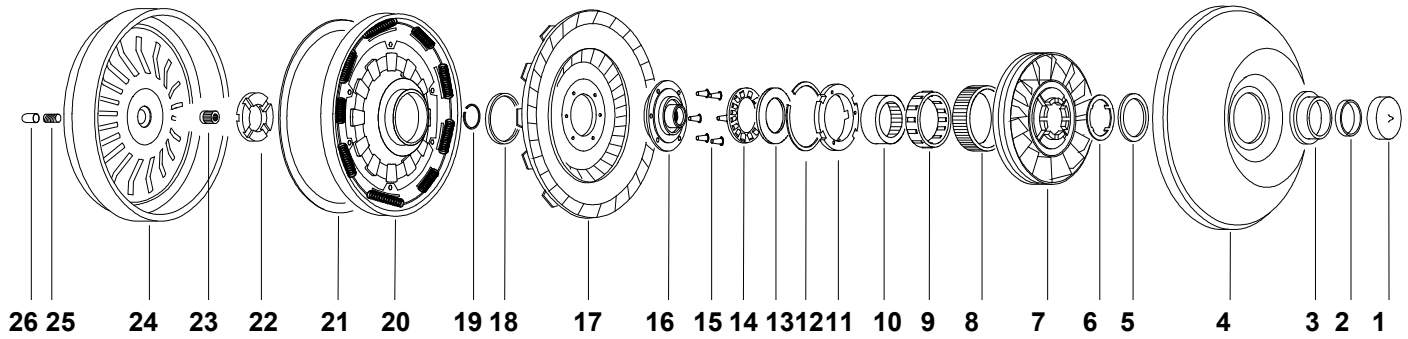
▷ ATC DA18

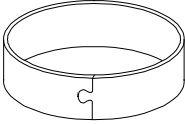
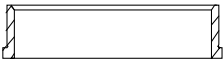
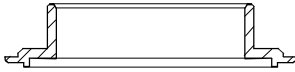
▷ OTHER 71-7

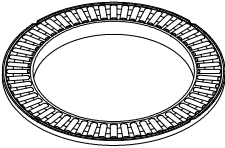
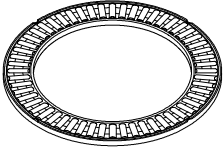
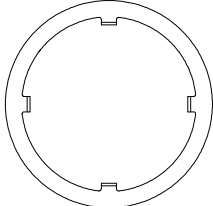
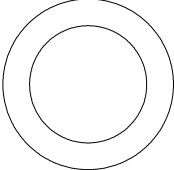
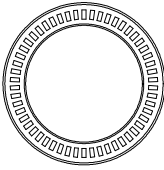
ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Orange, For 2.67" Dia. Hubs		MHC-RN
2	Bushing, Hub	53mm I.D., Standard, Bronze Replaces Babbit		JB-18-8B
		52.8mm I.D., Bore In Place, Bronze Replaces Babbit		JB-18-8BX
3	Hub, Impeller	Standard, 2.67" O.D., 2.24" I.D., .56" High		JH-1-12GRC
		Use With JW-2-13 Bearing, 0.75" Installed Height		
		Flanged, 2.67" O.D., 2.24" I.D., .75" Installed Hight		JH-1-19FLGRC
		Use With JW-2-12 Bearing		
4	Impeller			
5	Bearing	Semi-Enclosed, Inside Lip, 3.22" O.D., 2.38" I.D., .11" Thick		JW-2-13
		Semi-Enclosed, 3.22" O.D., 2.44" I.D., .12" Thick		JW-2-12
6	Race, Steel	4 Lugs		JW-2-10
7	Stator			
8	Race, Outer			
9	Sprag	2.82" O.D., 2.41" I.D., .45" Thick, 26 Cams		JC-6-2
10	Race, Inner	2.28" O.D., .79" High, 31 Spline		JX-14-7
11	Cap, Stator	Bronze Replaces Aluminum, 3.36" O.D., 2.02" I.D.		JW-4-12B
		Bearing Adapter, Use w/ TW-2-4 Bearing (Machine .065" From Turbine Hub)		JW-4-20
		Aluminum, To Adapt To JW-3		JW-4-19
		Late, O.E. Style, Use With JW-2-21 Race, JW-2-22 Bearing		
12	Washer, Bronze	Upgrade		JW-3
N.I.	Race	Late, O.E. Style, Steel 2.75" O.D., 2.01" I.D., .10" Thick		JW-2-21
N.I.	Bearing	Late, O.E. Style, Semi- Enclosed 2.63" O.D., 1.89" I.D., .11" Thick		JW-2-22
N.I.	Bearing	Alternate, Use w/ JW-4-20 Bearing Adapter or JX-13-43 Turbine Hub		TW-2-4
13	Rivet	.214" Shank Dia., .385" Long, Tubular	6	FX-12L
14	Turbine	237mm Diameter		
15	Turbine Hub	21 Spline, Use With JW-3 Bronze Washer		JX-13-13HT
		21 Spline, Use With TW-2-4 Bearing & JW-9-14 Turbine Washer		JX-13-43HT
		21 Spline, DA-24 Late, Use With JW-2-21 , JW-2-22 (Uses Seal Ring)		JX-13-41HT
		21 Spline, DA-24 Late, Use With JW-2-21 , JW-2-22 (Uses O-Ring)		JX-13-46HT
N.I.	Insert, Spline	21 Spline, EZ WELD™ Design		JX-13-21
16	Plate, Coupling			
17	Ring, Seal	PTFE, Heavy Duty, Scarf Cut, 60mm O.D.		JO-25-5
	O-Ring	56mm I.D. x 2mm for DA-24 Late, Use With JX-13-46		JO-25-10
18	Ring, Snap			
19	Lockup Clutch	9 Springs, 6 Dimples		JX-23-18
20	Lining	9-1/4" O.D., 8-1/8" I.D., .045" Thick		FX-23-6K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
21	Washer	1.37" I.D., .250" Thick, Phenolic		JW-9-10
		1.37" I.D., .250" Thick, Bronze		JW-9-10B
		1.20" I.D., .250" Thick, DA-24 Late, Use With JX-13-41 Turbine Hub		JW-9-14
22	Pump Drive	Cover, Improved, 12 Spline, Heat Treated		JX-22-100
23	Cover, Front			
24	Stud	Threaded, M10 x 1.0	4	FX-10-13
25	Studcap™		4	MHC-STD
N.I.	Salvage Ring™	Core Saver™		TX-22-7915

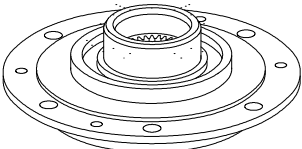
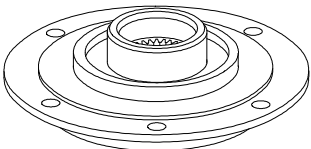
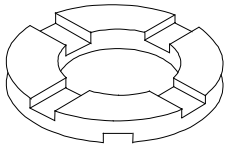
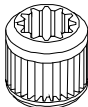
** - See Page 12-14 For Illustration Of Bearings **JW-2-12** & **JW-2-13**

MAZDA G4A-EL, LATE DA-29, 34



ILL. #2 BUSHING	ILL. #3 IMPELLER HUBS
O.D. 2.24" (56.9mm) I.D. 2.09" (53mm) Height .47" (12mm)  JB-18-8B	O.D. 2.673" (67.9mm) O.D. 2.670" (67.8mm) O.D. Fl. 2.75" (69.9mm) O.D. Fl. 3.85" (97.8mm) I.D. 2.24" (56.9mm) I.D. 2.24" (56.9mm) Height .56" (14.2mm) Height .92" (23.4mm)  JH-1-12G  JH-1-19FLGRC Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "GRC"- Hardness Rc 32-36

ILL. #5, 6 BEARINGS & STEEL RACE	ILL. #13, 14 RACE, BEARING
O.D. 3.22" (81.8mm) O.D. 3.22" (81.8mm) O.D. 3.00" (76mm) I.D. 2.38" (60.5mm) I.D. 2.44" (62mm) I.D. 2.53" (64mm) Thick. .11" (2.8mm) Thick. .12" (3mm) Mat. Thick. .08" (2mm)  JW-2-13  JW-2-12  JW-2-10	O.D. 2.75" (69.9mm) O.D. 2.63" (66.8mm) I.D. 2.01" (51.1mm) I.D. 1.89" (48mm) Thick. .10" (2.5mm) Thick. .11" (2.8mm)  JW-2-21  JW-2-22

ILL. #16 TURBINE HUBS	ILL. #22 WASHER	ILL. #23 PUMP DRIVE
O.D. 3.52" (89.4mm) O.D. 3.52" (89.4mm) Height 1.36" (34.5mm) Height 1.23" (31.2mm) 21 Spline 21 Spline  JX-13-32  JX-13-33	O.D. 2.25" (57mm) I.D. 1.38" (35mm) Thick. .25" (6.4mm)  JW-9-10	O.D. .64" (16.3mm) Height .82" (20.8mm) 12 Spline  JX-22-102

MAZDA G4A-EL, LATE

DA-29, 34

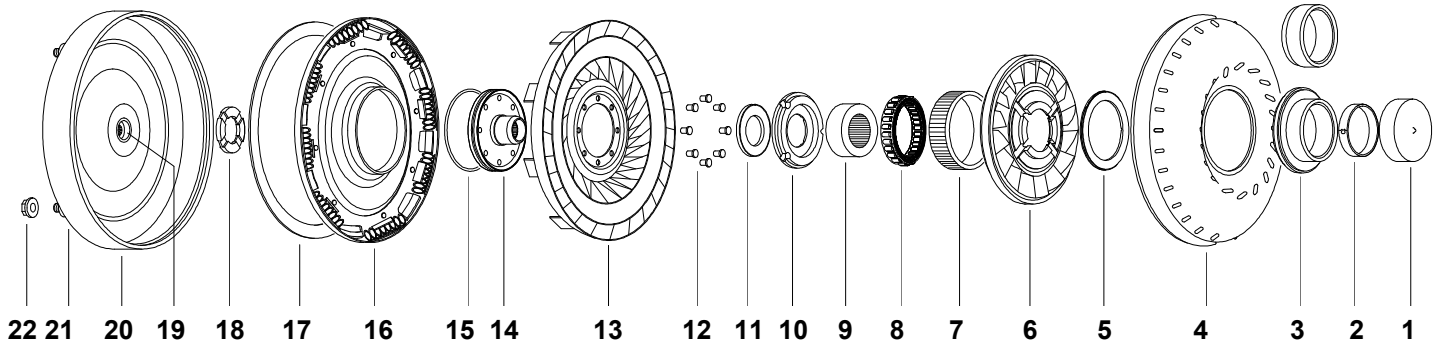
▷ DACCO # DA-29, DA-34

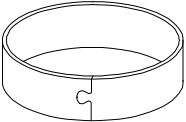
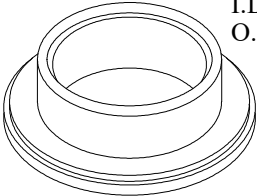
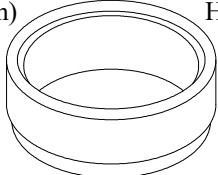
▷ ATC FM86, KM85

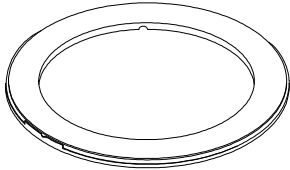
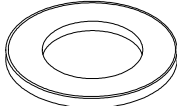
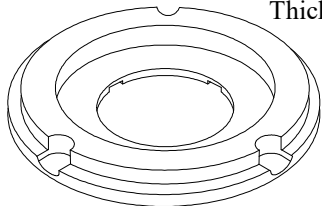
▷ OTHER 71-9, 71-1

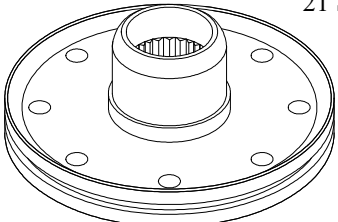
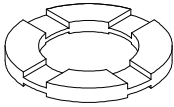
ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Orange, For 2.67" Dia. Hubs		MHC-RN
2	Bushing, Hub	53mm I.D., Standard, Bronze Replaces Babbit		JB-18-8B
		52.8mm I.D., Bore In Place, Bronze Replaces Babbit		JB-18-8BX
3	Hub, Impeller	Standard, 2.67" O.D., 2.24" I.D., .56" High		JH-1-12GRC
		Use With JW-2-13 Bearing, 0.75" Installed Height		
		Flanged, 2.67" O.D., 2.24" I.D., .75" Installed Height		JH-1-19FLGRC
		Use With JW-2-12 Bearing		
4	Impeller			
5	Bearing	Semi-Enclosed, Inside Lip, 3.22" O.D., 2.38" I.D., .11" Thick		JW-2-13
		Semi-Enclosed, 3.22" O.D., 2.44" I.D., .12" Thick		JW-2-12
6	Race, Steel	4 Lugs		JW-2-10
7	Stator			
8	Race, Outer			
9	Sprag	2.82" O.D., 2.41" I.D., .45" Thick, 26 Cams		JC-6-2
10	Race, Inner	2.28" O.D., .79" High, 31 Spline		JX-14-7
11	Bearing Adapter	DA-34		JW-4-40
		DA-29		JW-4-41
12	Ring, Snap			
13	Race, Steel	O.E. Style, Late, Steel 2.75" O.D., 2.01" I.D., .10" Thick		JW-2-21
14	Bearing	O.E. Style, Late, Semi-Enclosed 2.63" O.D., 1.89" I.D., .11" Thick		JW-2-22
15	Rivet	.214" Shank Dia., .385" Long, Tubular	6	FX-12L
16	Turbine Hub	21 Spline, Snap Ring Installed, DA-29		JX-13-32HT
		21 Spline, Snap Ring Installed, DA-34		JX-13-33HT
17	Turbine			
18	Ring, Seal	PTFE, Heavy Duty, Scarf Cut, 60mm O.D.		JO-25-5
19	Ring, Snap			
20	Lockup Clutch	9 Springs, 12 Dimples		JX-23-16
21	Lining	9-9/16" O.D., 8-5/8" I.D., .045" Thick		JX-23-15
		9-9/16" O.D., 8-5/8" I.D., .070" Thick		JX-23-15X70
		9-1/2" O.D., 8-1/2" I.D., .045" Thick, Alternate		NX-23-2
		9-1/2" O.D., 8-1/2" I.D., .070" Thick, Alternate		NX-23-2X70K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
22	Washer, Turbine	Phenolic, .250" Thick		JW-9-10
		Bronze, .250" Thick		JW-9-10B
23	Insert, Spline	Cover, Improved, 12 Spline, Heat Treated		JX-22-102
24	Cover, Front			
25	Stud	Threaded, M10 x 1.0	4	FX-10-13
26	Studcap™		4	MHC-STD
N/I	Salvage Ring™	Core Saver™		JX-22-855

MAZDA 4EAT-F ESCORT 96-UP, DA-50



ILL. #2	BUSHING	ILL. #3	IMPELLER HUBS	
	O.D. 2.24" (56.9mm) I.D. 2.09" (53mm) Height .47" (12mm)  JB-18-8B	 JH-1-38FLG	 JH-1-39G	O.D. 2.67" (68mm) I.D. 2.24" (57mm) O.D.Fl. 3.65" (93mm) O.D. 2.67" (68mm) I.D. 2.24" (57mm) Height .92" (23mm)
<i>Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36</i>				

ILL. # 5,11	BEARINGS		ILL. #10	STATOR CAP
	O.D. 3.33" (84.6mm) I.D. 2.56" (65mm) Thick. .19" (4.8mm)  JW-2-24	O.D. 2.24" (56.9mm) I.D. 1.30" (58.2mm) Thick. .23" (1.5mm)  TW-2-21		O.D. 3.23" (4.5mm) I.D. 1.42" (2.7mm) Thick. .37" (1.7mm)  JW-4-42

ILL. #14	TURBINE HUB	ILL. #18	WASHER
	O.D. 3.48" (88.4mm) 21 Spline  JX-13-50HT		O.D. 1.97" (50mm) I.D. 1.35" (34mm) Thick. .23" (5.8mm)  TW-9-17

MAZDA 4EAT-F ESCORT 96-UP, DA-50

► DACCO # DA-50

► ATC DA30

ILL.#		DESCRIPTION	QTY	PART #
1	Hubcap®	Orange, For 2.67" Dia. Hubs		MHC-RN
2	Bushing	53mm I.D., Standard, Bronze Replaces Babbit 52.8mm I.D., Bore In Place, Bronze Replaces, Babbit		JB-18-8B JB-18-8BX
3	Hub, Impeller	Flanged, 2.67" O.D., 2.24" I.D. Butt Style, 2.67" O.D., 2.24" I.D.		JH-1-38FLGRC JH-1-39GRC
4	Impeller			
5	Bearing	Enclosed, 3.33" O.D., 2.56" I.D., .19" Thick		JW-2-24
6	Stator			
7	Race, Outer			
8	Sprag	2.92" O.D., 2.27" I.D., .39" Thick, 20 Cams (S-240) Cam Repair Kit		MS-240-20K
9	Race, Inner	2.27" O.D., .75" High, 31 Spline		JX-14-14
10	Cap, Stator	Aluminum, 3.23" O.D., 1.42" I.D., .37 Thick		JW-4-42
11	Bearing	Enclosed, 2.24" O.D., 1.30" I.D., .23" Thick		TW-2-21
12	Rivet	Solid, .21" Shank Dia., .30" Long	8	TX-12-5
13	Turbine			
14	Turbine Hub	21 Spline, 3.48" O.D.		JX-13-50HT
15	O-Ring	84.3mm I.D. x 2.5mm		TO-25-14
16	Lockup Clutch	8 Springs		
17	Lining	9-1/4" O.D., 8-1/8" I.D., .045" Thick		FX-23-6K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
18	Turbine Washer	Phenolic, 1.97" O.D., 1.35" I.D., .23" Thick		TW-9-17
19	Pupmp Drive	12 Spline		
N.I.	Insert, Spline	12 Spline, See Pg. 12-2		JX-22-100
20	Cover, Front			
21	Stud	M10 x1.0	4	FX-10-9
22	Nut	M10 x 1.0	4	FX-10-17

MERCEDES

MERCEDES

Fluid Coupling & Torque Converter Parts

ILL. # 1 IMPELLER HUBS, 1.100" (27.9mm) DIA.				1.732" (44mm) DIA.
HH-1SW	HH-1L	HH-1LC	HH-1SC	HH-1-2C
HUBS, 1.378" DIA.			HUBS, 1.695" DIA.	
HH-1E	HH-1-4C	HH-1-6C	HH-1-3C	HH-1-3G
Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC" - Hardness Rc 32-36				

ILL. # 3 STATOR CAP	ILL. # 4 SHIM	ILL. # 5, 6, 7 BEARING & RACE KIT		
O.D. 3.13" (79.5mm) I.D. 1.36" (34.5mm) Thick. .215" (5.46mm)	O.D. 2.41" (61mm) I.D. 1.70" (43mm) Thick. .01" (.3mm)			
		JW-2-5 Thick. .40" (10mm)	JW-2ND Thick. .12" (3.05mm)	PW-2-3 Thick. .08" (2.03mm)
HW-4, 2-10	HW-2-10	HW-2BK		

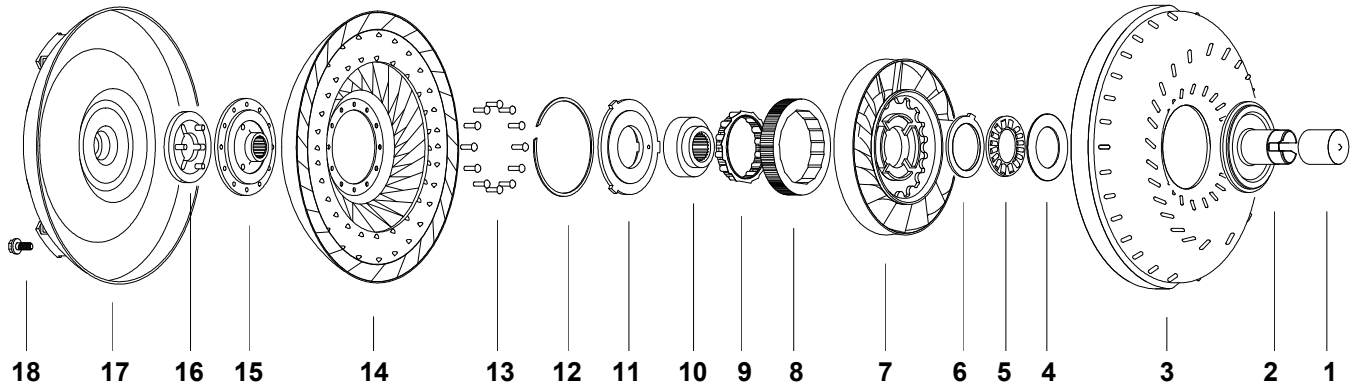
ILL. # 8,12 TURBINE WASHERS			
O.D. 2.83" (71.9mm) I.D. 1.21" (30.7mm) Thick. .08" (2.03mm)	O.D. 2.80" (71.1mm) I.D. 1.20" (30.5mm) Thick. .18" (4.57mm)	O.D. 2.32" (58.9mm) I.D. 1.10" (27.9mm) Thick. .18" (4.57mm)	O.D. 2.84" (72.1mm) I.D. 1.15" (29.2mm) Thick. .18" (4.57mm)
HW-9	HW-9-000	HW-9-123	HW-9-126

MERCEDES

Fluid Coupling & Torque Converter Parts

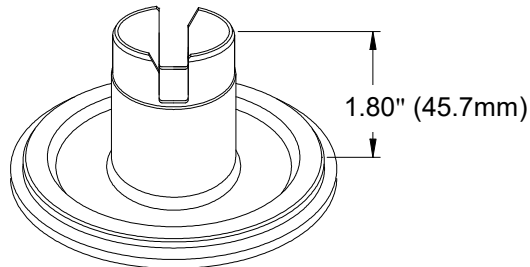
ILL.#		DESCRIPTION	QTY.	PART #
1	Hub, Impeller	For Bolted Units, 1.378" Dia. 1.34" Flange, 1.100" Dia. Fluid Coupling, 2 Lugs, Riveted, 1.100" Dia. Fluid Coupling, 2 Slots, Riveted, 1.100" Dia. Fluid Coupling, 2 Slots, Welded, 1.100" Dia. Torque Converter, 2 Lugs, 1.732" Dia. Torque Converter, 2 Slots, 1.695" Dia. Torque Converter, 2 Slots, 1.695" Dia. Torque Converter, 2 Slots, Model 190, 1.378" Dia. Torque Converter, 2 Slots, 1.378" Dia.		HH-1E HH-1L HH-1LC HH-1SC HH-1SW HH-1-2C HH-1-3C HH-1-3G HH-1-4C HH-1-6C
2	O-Ring	For Steel Fluid Drive Hubs, 2.83" O.D., 2.68" I.D., .08" Thick		HO-1
3	Stator Cap	Aluminum Design, 123 257 0052 use HW-4K modification package Repair Kit for Adaptation (w/Bearing TW-9-13 and Machined HW-4)		HW-4 HW-4K
4	Shim	End Play, 2.410" O.D., 1.700" I.D., .010" Thick		HW-2-10
5*	Race	2.35" O.D., 1.59" I.D., .040" Thick		JW-2-5
6*	Bearing	1.57" x 2.37" (40mm x 60mm)		JW-2ND
7*	Race	1 Tang, 2.42" O.D., 1.70" I.D., .078" Thick		PW-2-3
8	Washer, Turbine	Bronze, Special Design, .08" Thick Aluminum, OE Design, First Type Aluminum, Casting # 123-257-0152 Aluminum, Casting # 126-257-0552		HW-9 HW-9-000 HW-9-123 HW-9-126
9	Rivet	Aluminum, Solid, .233" Shank Dia., .475" Long Aluminum, Solid, .233" Shank Dia., .710" Long Steel, Solid, .233" Shank Dia., .475" Long Steel, Solid, .233" Shank Dia., .710" Long		HX-12A HX-12LA HX-12S HX-12LS
10	Race, Inner	2 Shoulders 1 Shoulder		HX-14 HX-14-1
11	Roller Clutch	OE # 000 2500 931		HC-6
12	Stator Cap	Aluminum		HW-4
*Note: JW-2-5 JW-2ND PW-2-3		Bearing and Race Kit HW-2BK		

MERCEDES 722.4, 3.0L MC-15 W4A-020



ILL. #2

IMPELLER HUB, 1.378" (35.0mm) DIA.



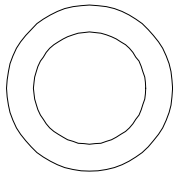
HH-1-6C

Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. # 4,5,6

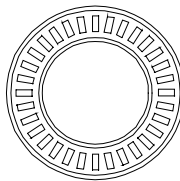
BEARING AND RACES

O.D. 2.35" (60mm)
I.D. 1.58" (40mm)
Thick. .04" (1mm)



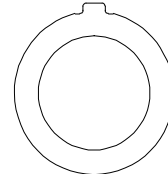
JW-2-5T

O.D. 2.36" (56mm)
I.D. 1.57" (40mm)
Thick. .12" (3mm)



JW-2ND

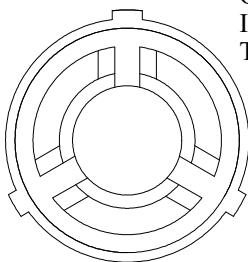
O.D. 2.42" (61.5mm)
I.D. 1.70" (43.2mm)
Thick. .08" (2mm)



PW-2-3

ILL. #11

STATOR CAP

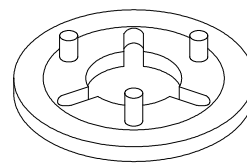


HW-4-1

O.D. 3.80" (96.5mm)
I.D. 1.70" (43.2mm)
Thick. .35" (8.9mm)

ILL. #16

THRUST WASHER



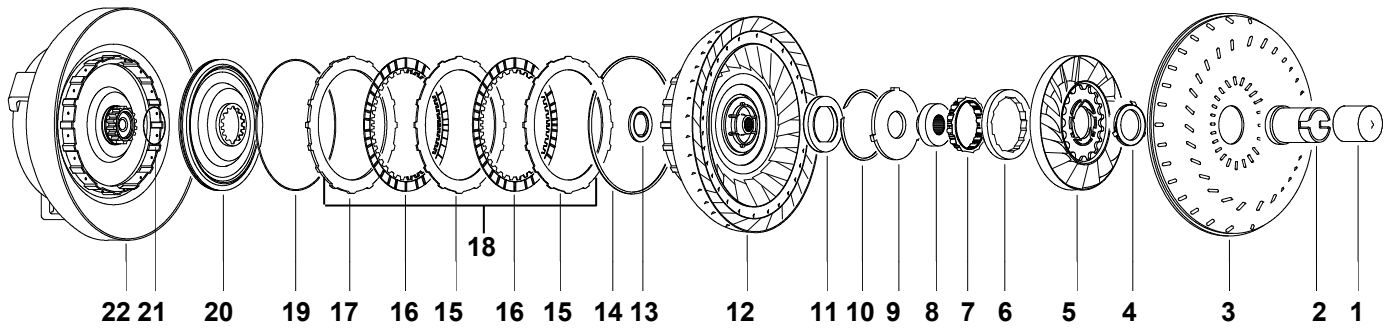
HW-9-126

O.D. 2.84" (72mm)
I.D. 1.14" (30mm)

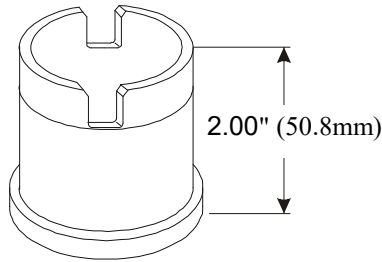
MERCEDES 722.4, 3.0L MC-15
W4A-020

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® For 1.378" Dia. Hubs		
2	Hub, Impeller 1.378" Dia.		HH-1-6C
3	Impeller		
4	Bearing Race 2.35" O.D., 1.58" I.D., .04" Thick		JW-2-5T
5	Bearing 2.36" O.D., 1.57" I.D., .09" Thick		JW-2ND
6	Bearing Race 2.42" O.D., 1.70" I.D., .08" Thick		PW-2-3
7	Stator OE # 126 257 10 07		
8	Race, Outer		
9	Clutch, Roller OE # 0002500931, 14 Rollers (.315"x.433")		HC-6
10	Race, Inner 26 Spline		
11	Cap, Stator Aluminum, 3.79" O.D., 1.70, .35 Thick OE #37.4949.00		HW-4-1
12	Ring, Snap		
13	Rivet	12	
14	Turbine		
15	Turbine Hub 19 Spline, 3.86" O.D.		
16	Thrust Washer Aluminum, 2.84" O.D., 1.14"I.D., .175" Thick		HW-9-126
17	Cover, Front		
18	Bolt Hex Head, M8x1.25	6	

MERCEDES 722.6 & 722.9 (272mm & 290mm) 5 Speed, MC-18, MC-19



ILL. # 2 IMPELLER HUB, 1.695" DIA.

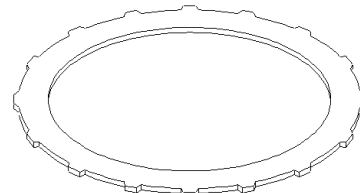


HH-1-5GRC

Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "GRC" - Hardness Rc 32-36

ILL. # 15, 17 PRESSURE PLATES

O.D. 7.28" (185mm)
I.D. 5.63" (143mm)

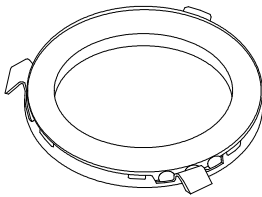


HX-23-1, .07" Thick (1.78mm)
Selective, **HX-23-1A**, .08" Thick (2.00mm)
HX-23-2, .16" Thick (4.00mm)
HX-23-3, .20" Thick (4.80mm)

ILL. # 4, 11, 13

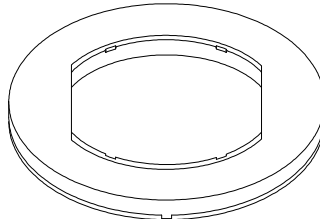
BEARINGS

O.D. 2.59" (65.9mm)
I.D. 1.73" (43.9mm)
Thick. .20" (5.1mm)



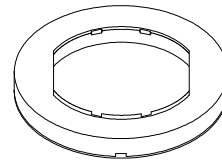
HW-2-3

O.D. 2.98" (75.7mm)
I.D. 2.16" (54.9mm)
Thick. .19" (4.83mm)



HW-2-2

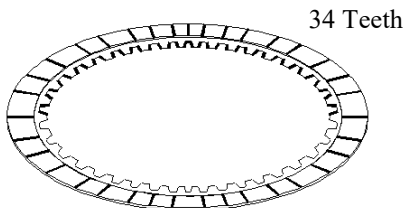
O.D. 2.02" (51.3mm)
I.D. 1.31" (33.3mm)
Thick. .16" (4.06mm)



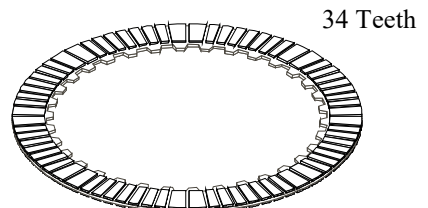
HW-2-1

ILL. # 16

CLUTCH PLATES



HX-23 **HX-23-4**
Thick. .090" (2.3mm) Thick. .107" (2.7mm)
O.D. 6.93" (176mm), I.D. 5.29" (134mm)

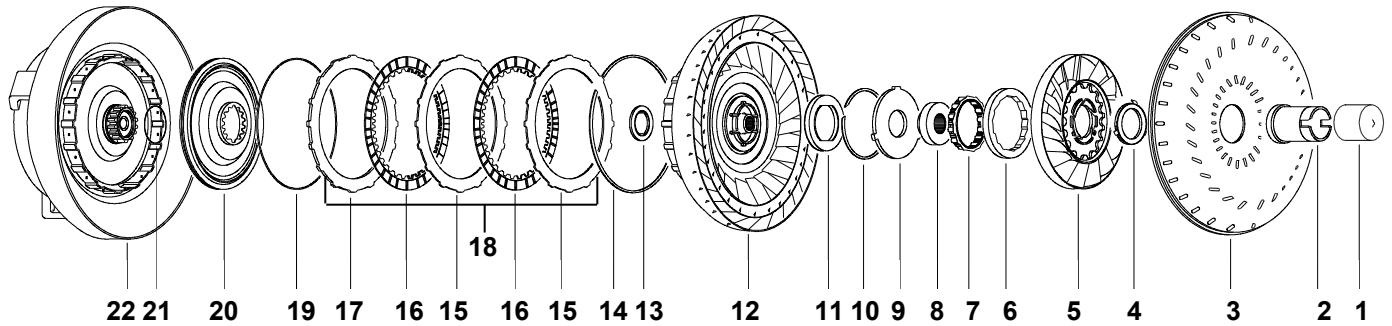


HX-23-9 **HX-23-8**
Thick. .090" (2.3mm) Thick. .107" (2.7mm)
O.D. 6.93" (176mm), I.D. 5.29" (134mm)

MERCEDES 722.6 & 722.9
(272mm & 290mm) 5 Speed, MC-18, MC-19

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Black, For 1.695 Dia. Hubs		MHC-B
2	Hub, Impeller 1.695" Dia., 2.000 High		HH-1-5GRC
3	Impeller		
4	Bearing, Enclosed With 3 Lugs		HW-2-3
5	Stator		
6	Race, Outer		
7	Clutch, Roller OE # A140 250 0031		HC-6-1
8	Race, Inner 38 Spline		
9	Plate 3 Tangs		
10	Ring, Snap		
11	Bearing, Enclosed 2.98 O.D., 2.16" I.D., .19" Thick		HW-2-2
12	Turbine Assembly 22 Spline		
13	Bearing, Enclosed 2.02" O.D., 1.31" I.D., .16" Thick		HW-2-1
14	Ring, Snap Thickness: 0.104"		HX-20-2
	Thickness: 0.116"		HX-20-1
15	Pressure Plate 20 Teeth, 7.28" O.D., 5.63" I.D., .07"/(1.78mm) Thick	2	HX-23-1
	Selective, Compensates For Ring Groove Wear, .08"/(2mm)	2	HX-23-1A
	Selective w/notches, 20 Teeth, 7.28" O.D., 5.63" I.D., .07"/(1.78mm) Thick		HX-23-13
16	Clutch Plates 34 Teeth., 6.93" O.D., 5.29" I.D., .09" Thick, w/Kevla® 36 Segments, 722.6, 290mm	2	HX-23
	34 Teeth., 6.93" O.D., 5.29" I.D., .107" Thick, w/Kevlar® 36 Segments, 722.6, 272mm	2	HX-23-4
	34 Teeth., 6.93" O.D., 5.29" I.D., .09" Thick, w/Kevlar® Linings, 722.6, 290mm, 72 Segments	2	HX-23-9
	34 Teeth., 6.93" O.D., 5.29" I.D., .107" Thick, w/Kevlar® Linings, 722.6, 272mm, 72 Segments	2	HX-23-8
17	Pressure Plates 20 Teeth, 7.282" O.D., 5.63" I.D., .16" Thick, 272mm		HX-23-2
	20 Teeth, 7.282" O.D., 5.63" I.D., .19" Thick, 290mm		HX-23-3

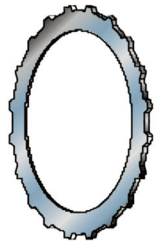
MERCEDES 722.6 & 722.9 Continued (272mm & 290mm) 5 Speed, MC-18, MC-19



ILL. # 18

CLUTCH PLATE KITS

HX-23-5K
(272mm)



HX-23-1/HX-23-1A
.07"/1.8mm., .08"/2.0mm

HX-23-4
.107"/2.7mm

HX-23-1/HX-23-1A
.07"/1.8mm., .08"/2.0mm

HX-23-4
.107"/2.7mm

HX-23-2
.157"/4.0mm

HX-23-6K
(290mm)



HX-23-1/HX-23-1A
.07"/1.8mm., .08"/2.0mm

HX-23
.090"/2.3mm

HX-23-1/HX-23-1A
.07"/1.8mm., .08"/2.0mm

HX-23
.090"/2.3mm

HX-23-3
.197"/5.0mm

HX-23-11K
(272mm)



HX-23-1/HX-23-1A
.07"/1.8mm., .08"/2.0mm

HX-23-8
.107"/2.7mm

HX-23-1/HX-23-1A
.07"/1.8mm., .08"/2.0mm

HX-23-8
.107"/2.7mm

HX-23-2
.157"/4.0mm

HX-23-12K
(290mm)



HX-23-1/HX-23-1A
.07"/1.8mm., .08"/2.0mm

HX-23-9
.090"/2.3mm

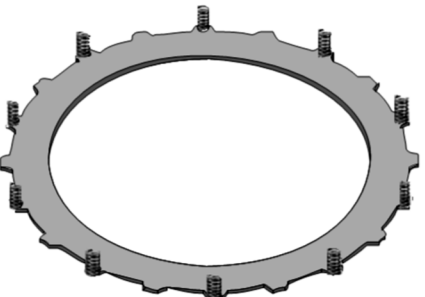
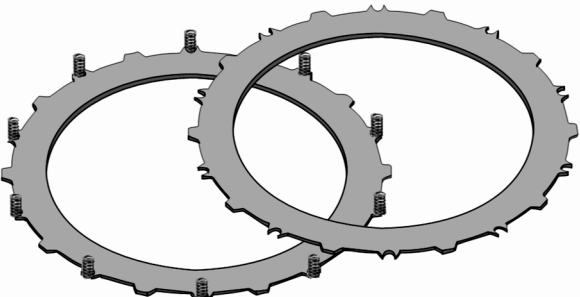
HX-23-1/HX-23-1A
.07"/1.8mm., .08"/2.0mm

HX-23-9
.090"/2.3mm

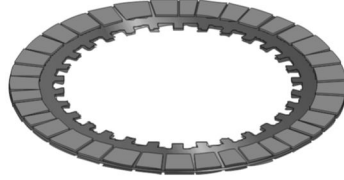
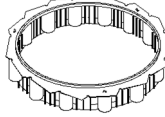
HX-23-3
.197"/5.0mm

MERCEDES 722.6 & 722.9 *Continued* **(272mm & 290mm) 5 Speed, MC-18, MC-19**

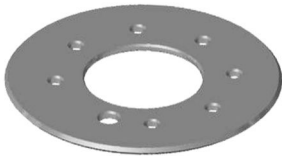
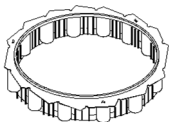
ILL.#		DESCRIPTION	QTY	PART #
N/I	Shudder Fix	The proven fix for the troublesome Mercedes problem. Additionally shudder fix additive SP89610 may be added to the transmission fluid		SP89610
18	Clutch Plate Kits	272mm: HX-23-1/HX-23-1A (2), HX-23-4 (2), HX-23-2 (1) 290mm: HX-23-1/HX-23-1A (2), HX-23 (2), HX-23-3 (1) 272mm: HX-23-1/HX-23-1A (2), HX-23-8 (2), HX-23-2 (1) 290mm: HX-23-1/HX-23-1A (2), HX-23-9 (2), HX-23-3 (1) 272mm & 290mm: (1) HX-23-13 (steel) and (10) HX-24-1 Short Springs 272mm & 290mm: (2) HX-23-13 (steel) and (10) HX-24-2 Long Springs * Note: See illustrations below		HX-23-5K HX-23-6K HX-23-11K HX-23-12K HX-23-13K* HX-23-15K*
N.I.	Spring	Short (.310") Clutch Release Spring Long (.510") Clutch Release Spring	10 10	HX-24-1 HX-24-2
19	Ring, Seal	D-Ring, 6.86" O.D., 6.63" I.D., .08" Thick		HO-25-1
20	Piston	17 Spline		
21	Ring, Seal	D-Ring, 2.24" O.D., 2.03" I.D., .11" Thick		HO-25-2
	Ring, Seal	D-Ring, 2.24" O.D., 2.03" I.D., .11" Thick, Orange, Heavy Duty		HO-25-2HD
N.I.	Ring, Seal	D-Ring, 4.36" I.D., 0.118" Thick, 722.9 Late Application		HO-25-7
N.I.	Ring, Seal	Cover, Fluorocarbon, .81" O.D., .61" I.D. .08" Thick		HO-25-3
22	Cover, Front	Assembly		

ILL. # 18	ANTI-SHUDDER CLUTCH PLATE KITS
<u>PROBLEM SOLVERS</u> •Kits eliminate cold engine stall •Eliminate coast down shudder •Improve clutch performance •Reduce clutch wear	 HX-23-13K Kit includes: HX-23-13 clutch plate (1) HX-24-1 springs (10)  HX-23-15K Kit includes: HX-23-13 clutch plate (2) HX-24-2 springs (10)

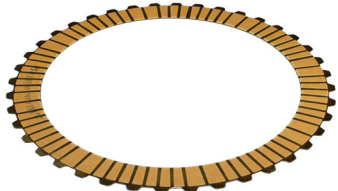
MERCEDES
722.7 FWD, 5 SPEED A140, A160, A170, A190, '97-UP

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hub, Impeller	Butt style, 2 slots, Heat Treated	O.D. 1.378" / 35mm Height 1.578" / 40mm		HH-1-7GRC
Plate, Steel <i>Made in USA</i>	16 Teeth	O.D. 7.28" / 185mm I.D. 5.63" / 143mm Thick. .070" / 1.8mm Thick. .080" / 2mm		HX-23-1 HX-23-1A
Plate, Steel <i>Made in USA</i>	16 Teeth	O.D. 7.28" / 185mm I.D. 5.63" / 143mm Thick. .20" / 5mm		HX-23-3
Plate, Friction <i>Made in USA</i>	OE duplicate, 30 Teeth, 36 Discrete Segments, High Flow TM	O.D. 6.93" / 176mm I.D. 4.72" / 120mm Thick. .107" / 2.7mm		HX-23-7
Bearing	Enclosed	O.D. 2.02" / 51.3mm I.D. 1.31" / 33.3mm Thick. 0.16" / 4.1mm		HW-2-1
D-Ring	Fluorocarbon	O.D. 6.86" / 174.24mm I.D. 6.63" / 164.4mm Thick. .09" / 2.3mm		HO-25-1
D-Ring	Fluorocarbon	I.D. 3.84" / 97.5mm Thick. .08" / 2.0mm		HO-25-4
Bearing	Enclosed, 3 inside lugs	O.D. 3.10" / 78.6mm I.D. 2.36" / 60mm Thick. 0.14" / 4.5mm		HW-2-4
Roller Clutch	Roller clutch, Bulk rollers p/n VR-7	I.D. 1.79" / 45.4mm Height .54" / 13.8mm		HC-6-2

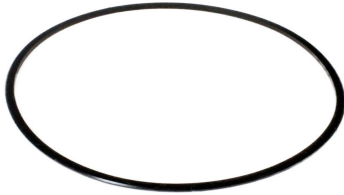
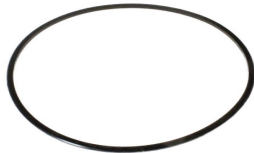
MERCEDES
722.8 FWD, 7 SPEED A-CLASS, B-CLASS

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hub, Impeller	Butt style, 2 slots, Heat Treated	O.D. 1.695" / 43.0mm Height 2" / 50.8mm		HH-1-8GRC
Plate, Thrust	8 Holes	O.D. 3.24" / 82.3mm I.D. 1.38" / 35mm Thick. .07" / 1.8mm		HW-4-3
Bearing,	Enclosed	O.D. 2.32" / 59mm I.D. 1.58" / 40mm Thick. 0.21" / 5.3mm		HW-2-5
Bearing,	Enclosed, 3 inside lugs	O.D. 3.10" / 78.6mm I.D. 2.36" / 60mm Thick. 0.14" / 4.5mm		HW-2-4
Lining	Grooved, Kevlar®	O.D. 9.43" / 240mm I.D. 8.22" / 209mm Thick. .045" / 1.1mm		HX-23-10MK*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
Roller Clutch	Roller clutch, Bulk rollers p/n VR-7	I.D. 1.79" / 45.4mm Height .54" / 13.8mm		HC-6-2
Seal	Metal Clad	13mm x 22mm x 5.7mm		HO-25-5
Seal With a Slip Joint	Advance Thermoset material OE design	O.D. 2.73"/ 69.3 mm Cross sect. .092"/2.3mm Thick. .084"/2.13mm		HO-25-6

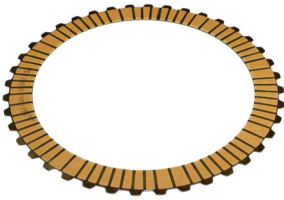
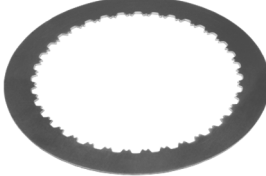
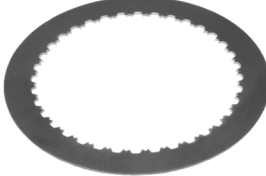
MERCEDES 722.9 LATE 7G -TRONIC

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hub Cover	Material: Plastic Color: Purple	O.D.: 1-5/8" Black, for 1.694 Dia.Hubs		MHC-B
Hub, Impeller	Butt style, 2 slots, Heat Treated, Bearing Type Pump	O.D. 1.694" / 43.0mm Height 2" / 50.8mm		HH-1-9GRC
Bearing	Enclosed, 3 External Lugs	O.D. 2.587" / 65.7 mm I.D. 1.728" / 44 mm Thick. .200" / 5 mm		HW-2-3
Bearing,	Enclosed	O.D. 2.273" / 57.7 mm I.D. 1.500" / 38 mm Thick. 0.184" / 4.7 mm		HW-2-6
Bearing,	Enclosed, with inside lip	O.D. 2.825" / 71.8 mm I.D. 1.897" / 48 mm Thick. 0.196" / 5 mm		HW-2-7
Clutch Plate	Friction, 40 Outside Teeth	O.D. 7.716" / 196 mm I.D. 6.102" / 155 mm Thick. .109" / 2.8 mm		HX-23-16
Clutch Plate	Steel, 36 Inside Teeth	O.D. 7.400" / 188 mm I.D. 5.585" / 142 mm Thick. .071" / 1.8 mm		HX-23-17
Clutch Plate	Steel, 36 Inside Teeth	O.D. 7.400" / 188 mm I.D. 5.585" / 142 mm Thick. .078" / 2.0 mm		HX-23-18

MERCEDES 722.9 LATE, continued
7G -TRONIC

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Seal	D-Ring, Fluorocarbon	I.D. 6.791" / 172.5 mm Thick. 0.076" / 1.93 mm Radial Thick. 0.110" / 2.8 mm		HO-25-8
Seal	D-Ring, Fluorocarbon	I.D. 3.795" / 96.4 mm Thick. 0.076" / 1.93mm Radial Thick. 0.110" / 2.8mm		HO-25-9
Seal	Square Cut, Fluorocarbon	O.D. 0.810" / 20.6mm I.D. 0.610" / 15.5mm Thick 0.080" / 2.0mm		HO-25-3
Seal Ring	Square Cut, Fluorocarbon	I.D. 0.630" / 16.00mm Thick 0.096" / 2.44mm Radial Thick. 0.093" / 2.36mm		HO-25-14
Seal	Metal Clad Seal	O.D. 1.575" / 40mm I.D. 1.160" / 29mm Height 0.276" / 7mm		HO-25-13
Seal	With a Slip Joint, Thermoset material	O.D. 1.489" / 37.82mm Thick. 0.086" / 2.18mm Radial Thick 0.087" / 2.21mm		HO-25-11
Roller Clutch	14 rollers 8mm Dia.	I.D. 2.362" / 60mm (Inner Race O.D.) Height 0.531" / 13.5mm 14 rollers 8mm Dia.		HC-6-1
Bolt & Washer Kit	Bolts (8) Washers, Steel (8)	Bolts M5 x 0.8 mm Thread, 10 mm Long Washers, O.D. 0.75"		HX-10K

MERCEDES 725.0 9G-TRONIC

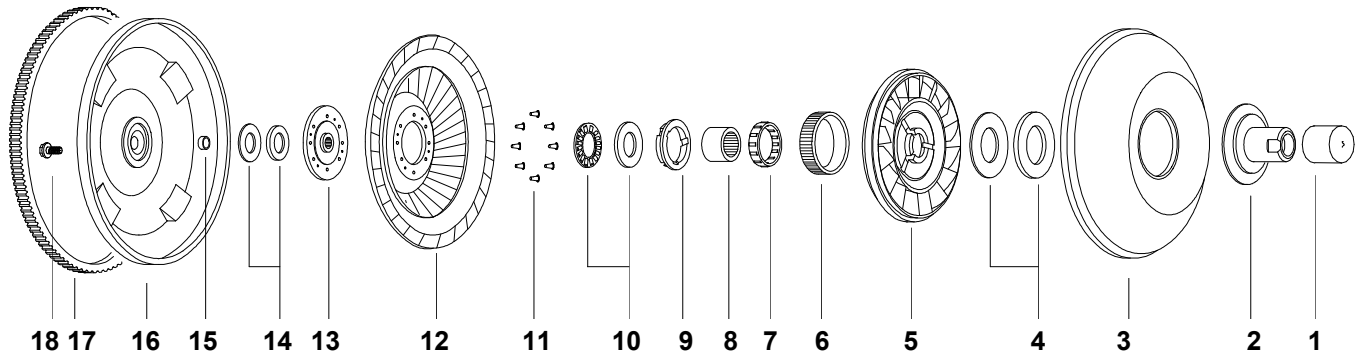
	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Red	For Hub Dia.: 2.000" /50.8 mm		MHC-R
Clutch Plate	Friction 40 Outside Teeth Qty – 2.	O.D. 7.716"/ 196.0 mm I.D. 6.102" / 155.0 mm Thick. 0.109"/ 2.8 mm		HX-23-16
Clutch Plate	Steel, 36 Inside Teeth Qty – 2.	O.D. 7.400"/ 188.0 mm I.D. 5.585"/ 141.9 mm Thick. 0.071"/ 1.8 mm		HX-23-21
Clutch Plate	Steel, 36 Inside Teeth Qty – 1.	O.D. 7.400"/ 188.0 mm I.D. 5.585"/ 141.9 mm Thick. 0.078"/ 2.0 mm		HX-23-22
Roller Clutch	Material: Steel	I.D. 2.362"/ 60.0mm Height 0.531"/ 13.5 mm 14 Rollers 0.314"/ 8 mm Dia.		HC-6-1
Seal	D-Ring, Fluorocarbon, Pressure Plate, Outside	I.D. 6.785"/ 172.5 mm Width: 0.078"/1.98 mm Height: 0.112"/ 2.8 mm		HO-25-8
Seal	D-Ring, Fluorocarbon, Pressure Plate, Inside	I.D. 3.790"/ 96.3 mm Width: .075"/ 1.90 mm Height: 0.112"/ 2.8 mm		HO-25-16
Seal	Square Cut, Fluorocarbon. Front Cover Hub, Inside	O.D. 0.816"/ 20.7 mm I.D. 0.630"/ 16.0 mm Thick 0.095"/ 2.4 mm		HO-25-14
Seal	Metal Clad Seal, Turbine Hub, Outside.	Housing: 1.516"/ 38.5mm Shaft: 1.181"/ 30 mm Height: 0.276"/ 7.0 mm		HO-25-13
Seal	With a Slip Joint. Turbine Hub, Outside. Thermoset material.	O.D.: 1.489"/ 37.8mm Width: 0.086"/ 2.18mm Height: 0.073"/ 1.85mm		HO-25-11

MERCEDES 725.0 9G-TRONIC (Continued)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Bearing	Enclosed, Piston	O.D. 2.275" / 57.8 mm I.D. 1.505" / 38.2 mm Thick. 0.185" / 4.7 mm		HW-2-8
Bearing	Enclosed, Impeller side	O.D. 2.995" / 76.0 mm I.D. 2.131" / 54.1 mm Thick. 0.198" / 5.0 mm		HW-2-9
Bearing	Enclosed, Turbine side	O.D. 2.808" / 71.3 mm I.D. 1.580" / 40.1 mm Thick. 0.275" / 7.0 mm		HW-2-11

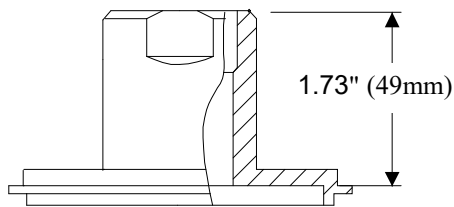
mitsubishi

MITSUBISHI F4A33, CT-13

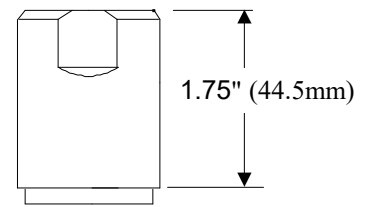


ILL. # 2

IMPELLER HUBS, 1.692" (43mm) DIA.



TH-1-28GRC

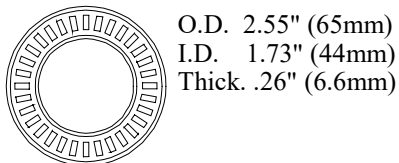


TH-1-13GRC

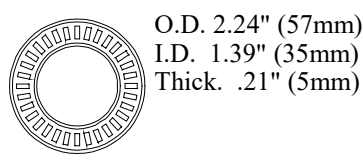
Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC" - Hardness Rc 32-36

ILL. # 4, 10, 14

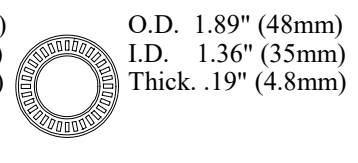
BEARING & RACE KIT



TW-2-12K



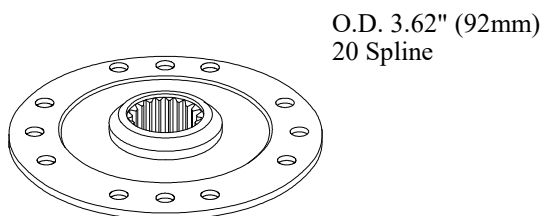
TW-2-14K



TW-2-5K

ILL. # 13

TURBINE HUB



TX-13-33HT

ILL. # 15

BUSHING

O.D. .79" (20mm)
Height .44" (11mm)



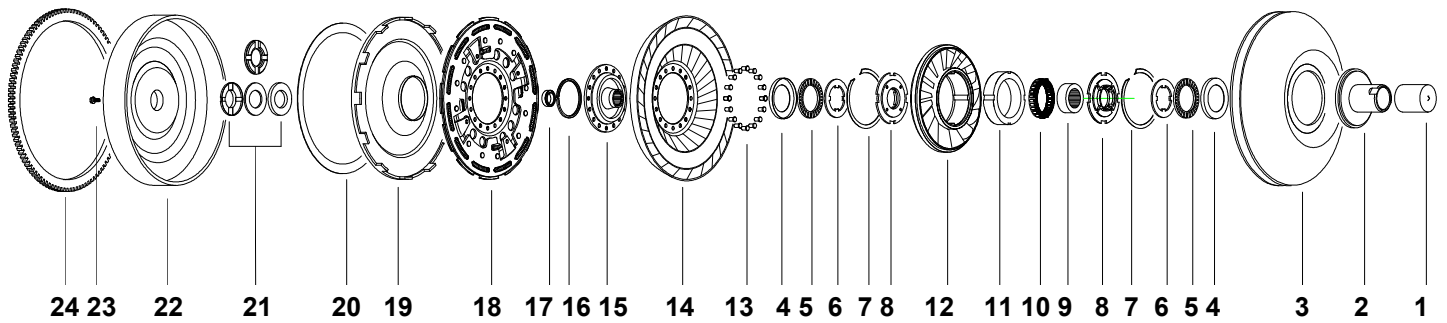
TB-18-12

mitsubishi F4A33, CT-13

▶ DACCO #	CT-13
▶ ATC	KM14
▶ OTHER	42-17

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Black, For 1.68" Dia. Hubs		MHC-B
2	Hub, Impeller	1.75" High, Heat Treated		TH-1-13GRC
		Flanged, Heat Treated, 1.73" High		TH-1-28GRC
3	Impeller			
4	Bearing & Race Kit	Semi-Enclosed, 2.55" O.D., 1.73" I.D., .26" Thick		TW-2-12K
N.I.	Race	For OE Style Bearing, .080" Thick		TW-2-12A
5	Stator			
6	Race, Outer			
7	Sprag			
8	Race, Inner	38 Spline, 1.56 O.D., 1.15 I.D., .84" High		TX-14-12
9	Cap, Stator			
10	Bearing & Race Kit	Semi-Enclosed, 2.24" O.D., 1.39" I.D., 21" Thick		TW-2-14K
11	Rivet	.224" Shank Dia. x .290" Long, Solid	8	TX-12-4
12	Turbine			
13	Turbine Hub	20 Spline, Heat Treated		TX-13-33HT
14	Bearing & Race Kit	Semi-Enclosed, 1.93" O.D., 1.36" I.D., .11" Thick		TW-2-5K
15	Bushing, Cover	.79" O.D., .44" High		TB-18-12
16	Cover, Front			
17	Ring Gear	106 Teeth		RG-106KM
18	Bolt	Hex Head, M10 x 1.5, 11mm Long	4	B-41

MITSUBISHI F4A42 CT-24, '98 Galant



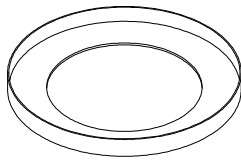
ILL. # 4, 5, 6

RETAINER, BEARING & STEEL WASHER

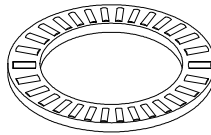
O.D. 2.43" (61.7mm)
 I.D. 1.66" (42.2mm)
 Thick. .03" (.8mm)

O.D. 2.36" (60mm)
 I.D. 1.57" (40mm)
 Thick. .12" (3mm)

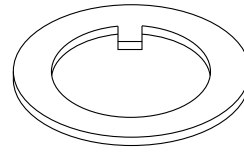
O.D. 2.30" (58mm)
 I.D. 1.58" (40mm)
 Thick. .08" (2mm)



YW-2-4



JW-2ND



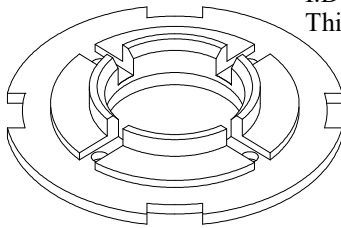
YW-2

YW-2-BK

ILL. # 8

STATOR CAP

O.D. 3.10" (78.7mm)
 I.D. 1.27" (32mm)
 Thick. .40" (10mm)

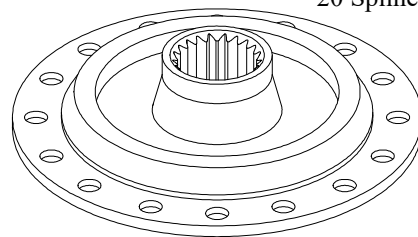


YW-4-13

ILL. #15

TURBINE HUB

O.D. 4.09" (104mm)
 20 Spline

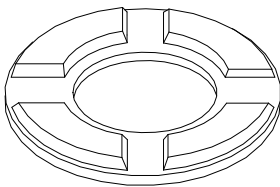


TX-13-37HT

ILL. # 21

TURBINE WASHER

O.D. 2.29" (58mm)
 I.D. 1.11" (28mm)
 Thick. .24" (6mm)



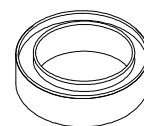
YW-9-4B

Phenolic

ILL. # 17

SEAL, METAL CLAD

O.D. 0.98" (25mm)
 I.D. 0.63" (16mm)



TO-25-13

MITSUBISHI F4A42 CT-24, '98 Galant

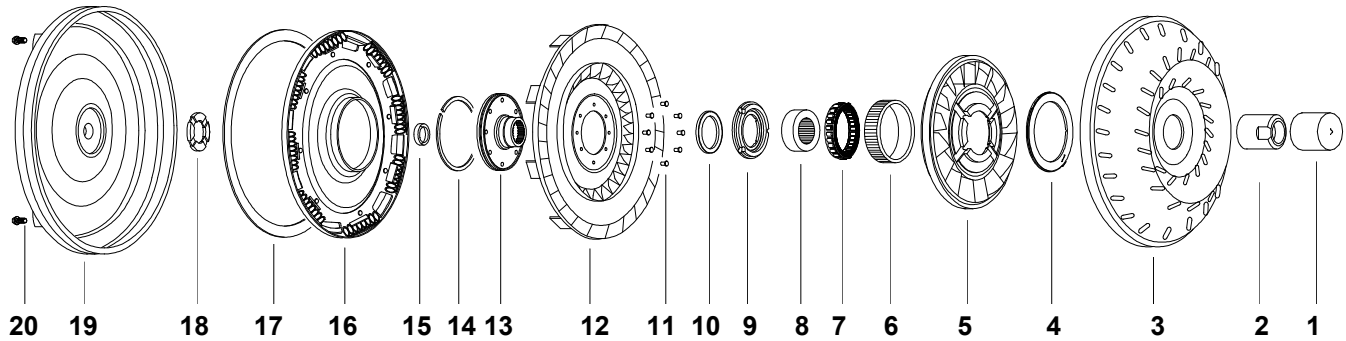
▷ DACCO # CT-24

ILL.#	DESCRIPTION		QT	PART #
1	Hubcap®	Black™, For 1-5/8" Dia. Hubs		MHC-B
2	Hub, Impeller	1.692" Dia.		
3	Impeller			
4	Retainer	Bearing, Cupped, 2.43" O.D., 1.66" I.D., .030" Thick.	2	YW-2-4*
5	Bearing	60mm x 40mm x 3mm	2	JW-2ND*
6	Washer, Steel	Universal, 1 Tang, Replaces 4 Tangs	2	YW-2*
7	Ring, Snap		2	
8	Cap, Stator	Aluminum	2	YW-4-13
9	Stator			
10	Race Outer			
11	Sprag	18 Cams		
12	Race, Inner	38 Spline		
13	Rivet		16	
14	Turbine			
15	Turbine Hub	20 Spline, 4.09" O.D.		TX-13-37HT
16	Ring, Seal	68mm x 2.3mm, PTFE, Scarf Cut		YO-25-1
17	Seal, Metal Clad	24.9mm O.D., 16.0mm I.D.		TO-25-13
18	Damper, Assembl.			
19	Lockup Clutch			
20	Lining	9-5/16" O.D., 8-1/4" I.D., .045" Thick		TX-23-21K
	<i>- Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
21	Bearing & Race Kit	Replaced By Washer YW-9-4B		YW-9-4K**
	Washer, Turbine	Phenolic, 2.27" O.D., 1.11" I.D., .24" Thick		YW-9-4B
22	Cover, Front			
23	Ring Gear	110 Teeth		
24	Bolt	Hex Head, M10 x 1.25, 11mm Long		B-42

*Note: **YW-2-4** **JW-2ND** **YW-2** — Bearing and Race Kit **YW-2BK** or **YW-2-4** **JW-2ND** — Bearing **YW-2-16** see pg. 17-20, 17-21

** Alternate: Use **YW-9-6** Bearing & **YW-9-7** Race, See Illustration on Page 17-20

MITSUBISHI F4A42 CT-26 (Galant '99 & Up) & 4F27E, F4ABL CT-27 (Mazda 626, '99 & Up)



ILL. # 2 IMPELLER HUBS	
1.573" (40mm) DIA., CT-27	1.692" (43mm) DIA., CT-26
1.41" (35.8mm) TH-1-36GRC	1.49" (37.8mm) TH-1-37GRC
Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC" - Hardness Rc 32-36	

ILL. # 4, 10 BEARINGS	
O.D. 3.35" (85mm) I.D. 2.56" (65mm) Thick. .18" (4.8mm) JW-2-24	O.D. 2.24" (57mm) I.D. 1.30" (33mm) Thick. 0.23" (5.8mm) TW-2-21

ILL. # 13 TURBINE HUBS	
O.D. 3.49" (89mm) 16 Spline TX-13-34HT	O.D. 3.49" (89mm) 20 Spline TX-13-35HT

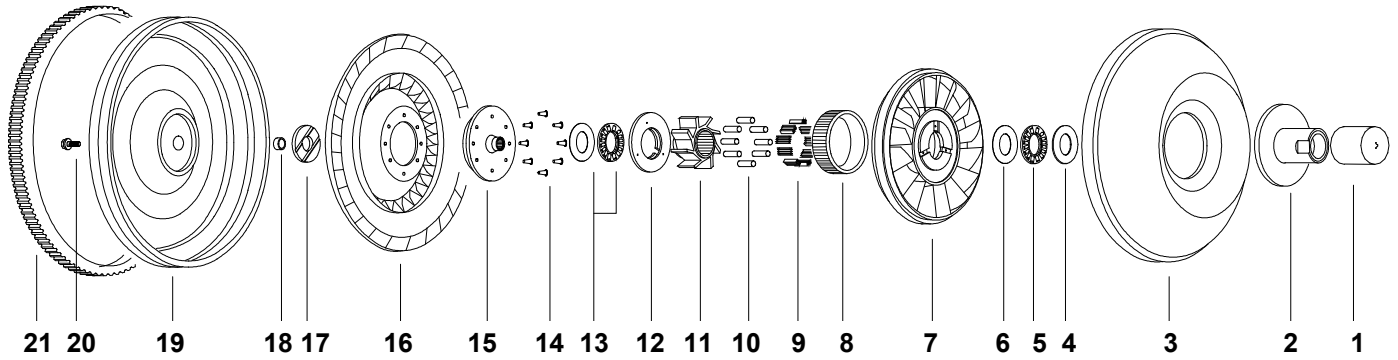
ILL. # 18 TURBINE WASHER
O.D. 1.89" (48mm) I.D. 1.36" (34.5mm) Thick. .24" (6.1mm) TW-9-17

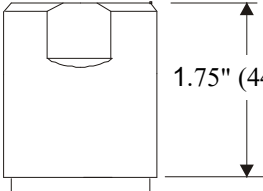
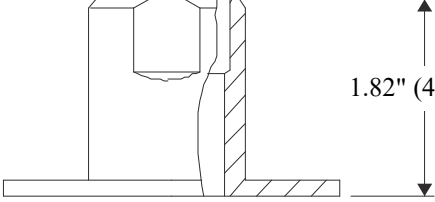
***mitsubishi F4A42 CT-26
(Galant '99 & Up) & 4F27E, F4ABL
CT-27 (Mazda 626, '99 & Up)***

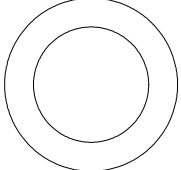
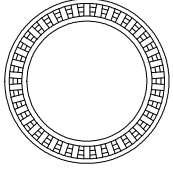
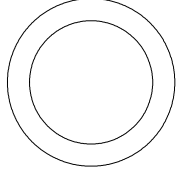
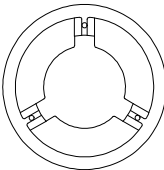
▷ DACCO#	CT-26, 27
▷ ATC	
▷ OTHER	marked 2C

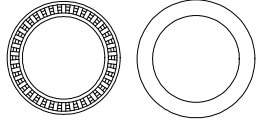
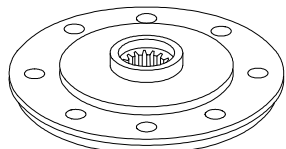
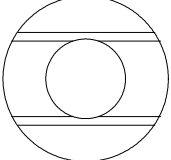
ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®			
2	Hub, Impeller	1.573" Dia., 1.41" High, Heat Treated		TH-1-36GRC
		1.691" Dia., 1.49" High, Heat Treated		TH-1-37GRC
3	Impeller			
4	Bearing	Enclosed, 3.33" O.D., 2.56" I.D., .19" Thick		JW-2-24
5	Stator			
6	Race, Outer			
7	Sprag	Assembly		
		Cam Kit, 20 Cams, CT-27		MS-240-20K
		Cam Kit, 24 Cams, CT-26		MS-240-24K
8	Race, Inner	38 Spline, 2.09" O.D., 1.15" I.D., .75" High		TX-14-13
9	Stator Cap	3.05" O.D., 1.43" I.D., .23" High		
10	Bearing	Enclosed, 85mm O.D., 65mm I.D., 4.8mm Thick		TW-2-21
11	Rivet	.226" Shank Dia. x .281" Long, Solid	8	TX-12-4
12	Turbine			
13	Turbine Hub	16 Spline, Heat Treated, CT-27		TX-13-34HT
		20 Spline, Heat Treated, CT-26		TX-13-35HT
14	Seal Ring	PTFE, 3.5" O.D., .09" Thick, CT-27		TO-25-11
	O-Ring	Fluorocarbon, CT-26		TO-25-14
		Oversized, CT-26		VO-25-1
15	Seal, Metal Clad	23mm x 15mm, CT-27		TO-25-12
		25mm x 16.8mm, CT-26		TO-25-5
16	Lockup Clutch	8 Springs		TX-26-13
17	Lining	9-1/4" O.D., 8-1/8" I.D., .045" Thick		FX-23-6K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
18	Turbine Washer	1.89" O.D., 1.36" I.D., .24" Thick		TW-9-17
19	Cover, Front			
20	Bolt	CT-26, M10 x 1.25mm, 11mm Long	4	B-42
	Stud	CT-27	4	

MITSUBISHI KM-170 NON-LOCKUP, CT-5



ILL. # 2	IMPELLER HUBS, 1.692" (43mm) DIA.
 TH-1-13GRC	 TH-1-21GRC
Suffix Code: No Suffix - Unfinished, "G"- Finish Ground, "RC"- Hardness Rc 32-36	

ILL. 4, 5, 6	ILL. 12
BEARING & RACES O.D. 2.75" (70mm) I.D. 2.00" (51mm)  TRA-3244 Thick. .03" (.8mm)  NTA-3244 Thick. .078" (2mm)  TRB-3244 Thick. .06" (1.5mm)	STATOR CAP O.D. 2.60" (66mm) I.D. 1.30" (33mm) Thick. .26" (6.6mm)  TW-4-5

ILL. 13	ILL. # 15	ILL. # 17
BEARING & RACE O.D. 1.93" (49mm) I.D. 1.36" (34.5mm)  TW-2-5K	TURBINE HUB & INSERT O.D. 3.47" (88mm) 22 Spline O.D. 1.00" (25.4mm) Height .87" (22mm) 22 Spline  TX-13-12HT  WX-13-22	WASHER O.D. 1.92" (48.8mm) I.D. .94" (23.9mm) Thick. .05" (1.3mm)  TW-9-10

MITSUBISHI KM-170 NON-LOCKUP, CT-5

► DACCO # CT-5

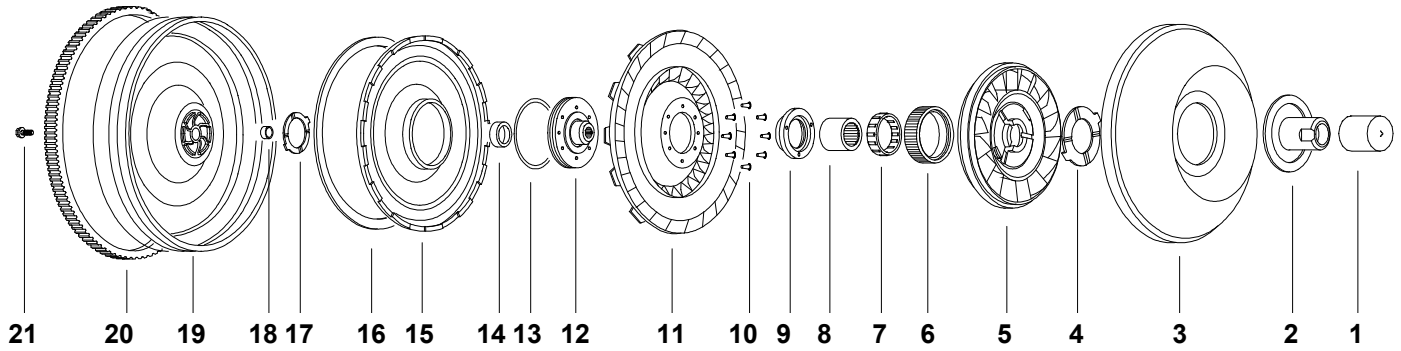
► ATC

► OTHER

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Black, For 1-5/8" Dia. Hub		MHC-B
2	Hub, Impeller	1.75" High, Heat Treated Flanged, Heat Treated, 1.82" High		TH-1-13GRC TH-1-21GRC
3	Impeller			
4	Race, Bearing	2.75" O.D., 2.00" I.D., .03" Thick		TRA-3244
5	Bearing	.078" Thick		NTA-3244
6	Race, Bearing	2.75" O.D., 2.00" I.D., .06" Thick		TRB-3244
7	Stator			
8	Race, Outer			
9	Spring, Accordion	3 Folds, 0.56" Wide, .22" High	8	SS-6
10	Roller	.31" Dia., .66" Long	8	TR-7-3
11	Race, Inner			TX-14-8
12	Cap, Stator	Aluminum, 2.60" O.D., 1.30" I.D., .26" Thick		TW-4-5
13	Bearing & Race Kit	1.93" O.D., 1.36" I.D.		TW-2-5K
14	Rivet	.226" Shank Dia. x .281" Long, Solid	8	TX-12-4
15	Turbine Hub	22 Spline, Heat Treated		TX-13-12HT
N.I.	Insert, Spline	EZ Weld™, 22 Spline		WX-13-22
16	Turbine			
17	Washer, Turbine			TW-9-10
18	Bushing, Cover	.59" O.D., .47" I.D., .44" Thick		TB-18-11
19	Cover, Front			
20	Bolt	Hex Head, M10 x 1.5, 11mm Long	3	B-41
21	Ring Gear	106 Teeth		RG-106KM*

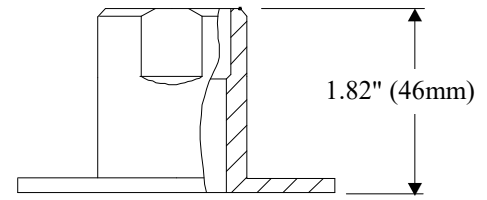
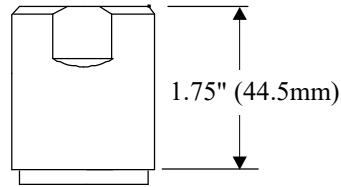
***Note: RG-106KM** Can Be Mounted On Non-Lockup Units By Machining Off The Gear Portion.
Tip: Cut With Plasma Torch.

MITSUBISHI KM-175 LOCKUP, CT-7/8



ILL. # 2

IMPELLER HUBS, 1.692" (43mm) DIA.

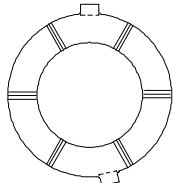


Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC" - Hardness Rc 32-36

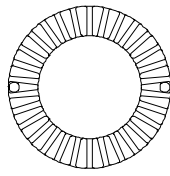
ILL. # 4

WASHERS

O.D. 2.86" (72.6mm)	O.D. 2.87" (72.9mm)
I.D. 1.82" (46mm)	I.D. 1.82" (46mm)
Thick. .08" (2mm)	Thick. .13" (3.3mm)



TW-3-5
Bronze

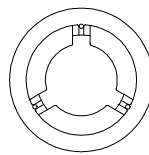


TW-3-6
Phenolic

ILL. # 9

STATOR CAP

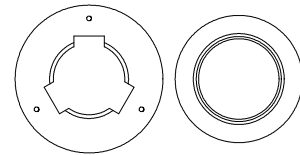
O.D. 2.60" (66mm)
I.D. 1.30" (33mm)
Thick. .30" (7.6mm)



TW-4-6

ADAPTER KIT

O.D. 2.60" (66mm)
I.D. 1.30" (33mm)
Kit Thick. .30" (7.5mm)

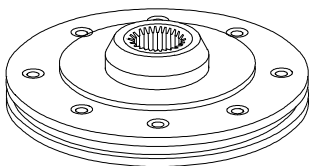


TW-4-15K

ILL. # 12

TURBINE HUB

O.D. 3.22" (81.8mm)
24 Spline

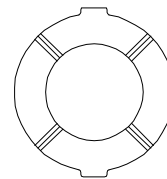


TX-13-11HT

ILL. # 17

TURBINE WASHER

O.D. 2.00" (50.8mm)
I.D. 1.22" (31mm)
Thick. .07" (1.8mm)



TW-9-11
Bronze

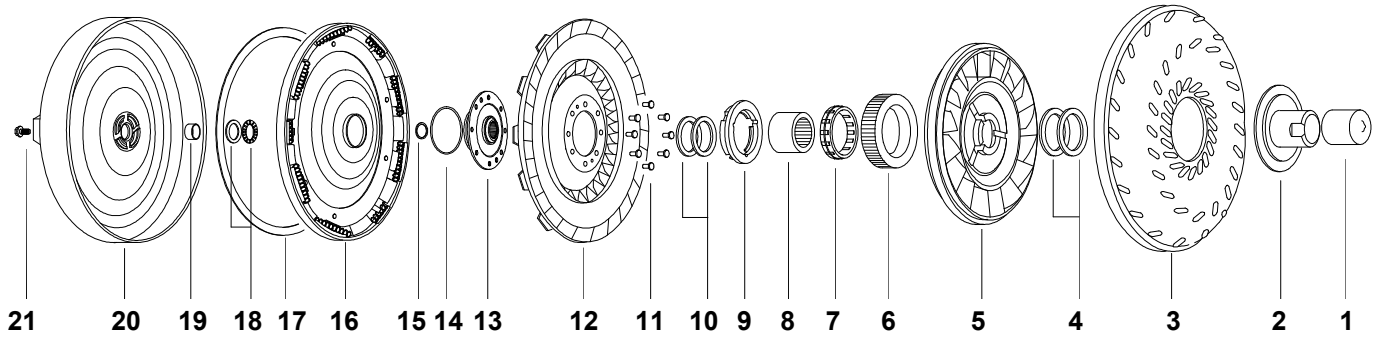
mitsubishi km -175 lockup, ct-7/8

▷ DACCO #	CT-7, CT-8
▷ ATC	KM7, KM8
▷ OTHER	42-3, 42-4

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Black, For 1-5/8" Dia. Hub		MHC-B
2	Hub, Impeller	1.75" High, Heat Treated Flanged, Heat Treated, 1.82" High		TH-1-13GRC TH-1-21GRC
3	Impeller			
4	Washer, Stator	Bronze, 2 External Lugs Phenolic, 2 Round Lugs		TW-3-5 TW-3-6
5	Stator			
6	Race, Outer			
7	Sprag Cam Kit	Sprag, 14 Cams		BC-6 MS-316-14K
8	Race, Inner	38 Spline, .776" High		TX-14-10
9	Cap, Stator Kit, Adapter	Aluminum With Bearing, Heavy Duty		TW-4-6 TW-4-15K
10	Rivet	.226" Shank Dia. x .281" Long, Solid	8	TX-12-4
11	Turbine	240mm Dia.		
12	Turbine Hub	24 Spline, Heat Treated		TX-13-11HT
N.I.	Insert, Spline	EZ Weld™, 24 Spline		TX-13-24M
13	O-Ring	High Temp., I.D. 74mm x 2.5mm Oversized, I.D. 74mm x 2.7mm		TO-25-4 TO-25-4X
14	Seal, Metal Clad	Hi Temperature		TO-25-5
15	Lockup Clutch			TX-26-8
16	Lining Floating Ring	9.00" O.D., 7-3/4" I.D., .045" Thick, Preglued		SX-23-13 TX-26-7K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
17	Washer, Turbine			TW-9-11
18	Bushing, Cover	.78" O.D., .67" I.D., .44" High		TB-18-12
19	Cover, Front			
20	Ring Gear	106 Teeth		RG-106KM
21	Bolt	Hex Head, M10 x 1.5, 11mm Long	3	B-41

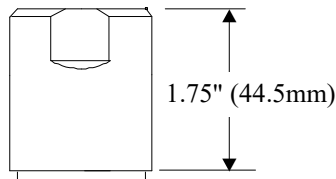
KM-175 & 176 LOCKUP, CT-15

'92 Diamante, Mitsubishi 3000

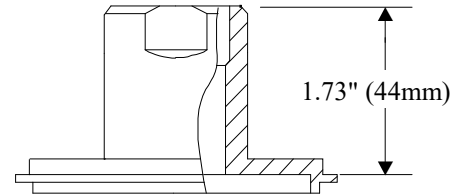


ILL. # 2

IMPELLER HUBS, 1.692" (43mm) DIA.



TH-1-13GRC

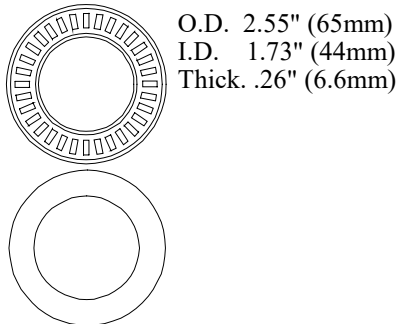


TH-1-28GRC

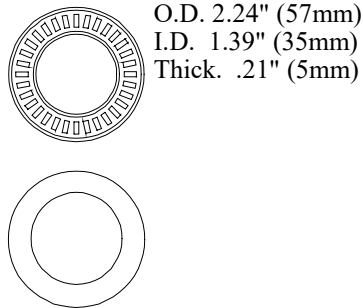
Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC" - Hardness Rc 32-36

ILL. # 4, 10, 18

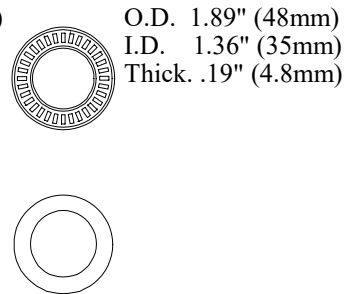
BEARING & RACE KIT



TW-2-12K



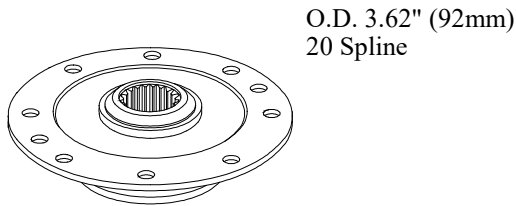
TW-2-14K



TW-2-5K

ILL. # 13

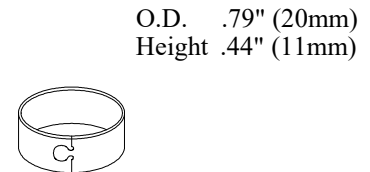
TURBINE HUB



TX-13-18HT

ILL. # 19

BUSHING



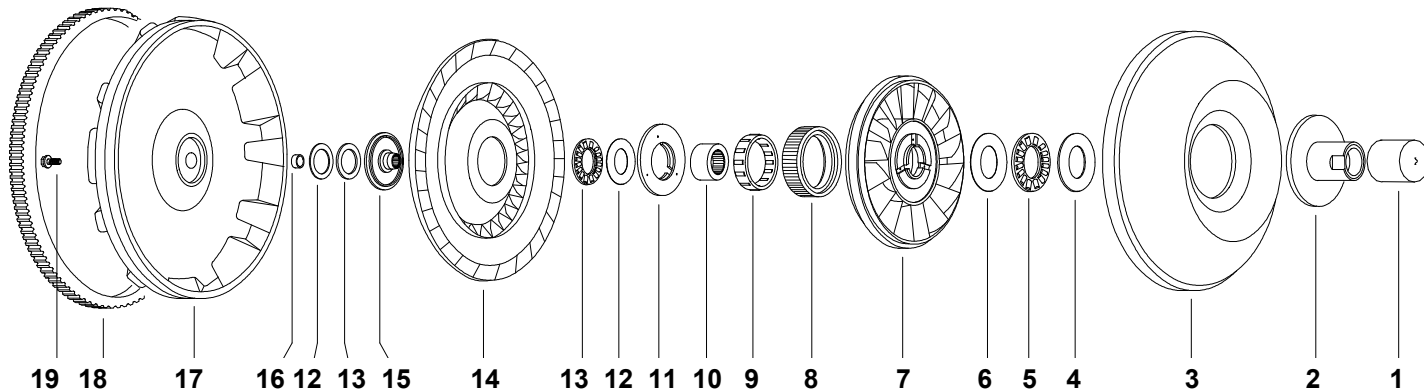
TB-18-12

KM-175 & 176 LOCKUP, CT-15
'92 Diamante, Mitsubishi 3000

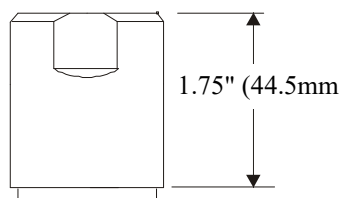
▷ DACCO #	CT-15
▷ ATC	KM14
▷ OTHER	42-17

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Black, For 1.68" Dia. Hubs		MHC-B
2	Hub, Impeller	1.75" High, Heat Treated		TH-1-13GRC
		Flanged, Heat Treated, 1.73" High		TH-1-28GRC
3	Impeller			
4	Bearing & Race Kit	Semi-Enclosed, 2.55" O.D., 1.73" I.D., .26" Thick		TW-2-12K
N.I.	Race	For OE Style Bearing, .080" Thick		TW-2-12A
5	Stator			
6	Race, Outer			
7	Sprag Cam Kit			
8	Race, Inner	38 Spline, 1.56" O.D., 1.15" I.D., .84" High		TX-14-12
9	Cap, Stator			
10	Bearing & Race Kit	Semi- Enclosed, 2.24" O.D., 1.39" I.D., 21" Thick		TW-2-14K
11	Rivet	.226" Shank Dia. x .281" Long, Solid	8	TX-12-4
12	Turbine			
13	Turbine Hub	20 Spline, Heat Treated		TX-13-18HT
14	Seal-Ring	2.28" O.D., 2.06" I.D., .08" Thick, D-Shape		TO-25-9
15	Seal, Metal Clad	25.0mm O.D., 16.8mm I.D.		TO-25-5
16	Lockup Clutch	With 9 Springs		TX-26-15
17	Lining	9-7/8" O.D., 8-3/4" I.D., .045" Thick, Preglued		JX-23-22K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
18	Bearing & Race Kit	Semi-Enclosed, 1.93" O.D., 1.36" I.D., .11" Thick		TW-2-5K
19	Bushing, Cover	.79" O.D., .44" High		TB-18-12
20	Cover, Front			
21	Bolt	Hex Head, M10 x 1.5, 11mm Long	4	B-41

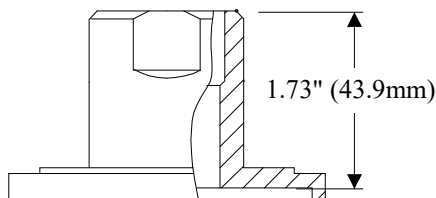
MITSUBISHI KM-175 &177 NON-LOCKUP, CT-9



ILL. # 2 IMPELLER HUBS, 1.692" (43mm) DIA.



TH-1-13GRC

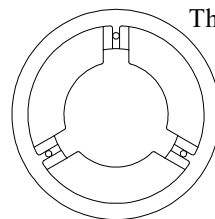


TH-1-22GRC

*Suffix Code: No Suffix-Unfinished, "G"-Finish Ground,
"RC" - Hardness Rc 32-36*

ILL. #11 STATOR CAP

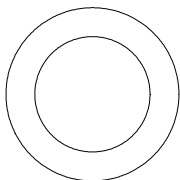
O.D. 2.60" (66mm)
I.D. 1.30" (33mm)
Thick. .26" (6.6mm)



TW-4-5

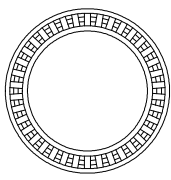
ILL. #4, 5, 6 BEARING & RACES

O.D. 2.75" (70mm)
I.D. 2.00" (51mm)



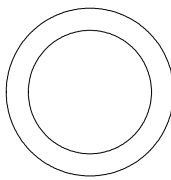
TRA-3244

Thick. .03" (.8mm)



NTA-3244

Thick. .078" (2mm)

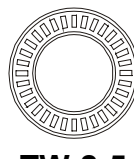


TRB-3244

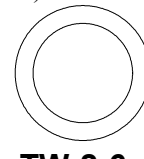
Thick. .06" (1.5mm)

ILL. # 12,13 BEARING & RACE KIT

O.D. 1.93" (49mm)
I.D. 1.36" (34.5mm)
Thick. .19" (4.8mm)



TW-2-5

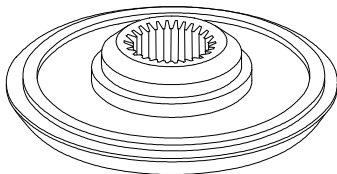


TW-2-6

TW-2-5K

ILL. # 15 TURBINE HUB

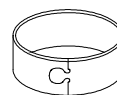
O.D. 2.75" (70mm)
20 Spline



TX-13-17HT

ILL. # 16 BUSHING

O.D. .79" (20mm)
Height .44" (11mm)



TB-18-12

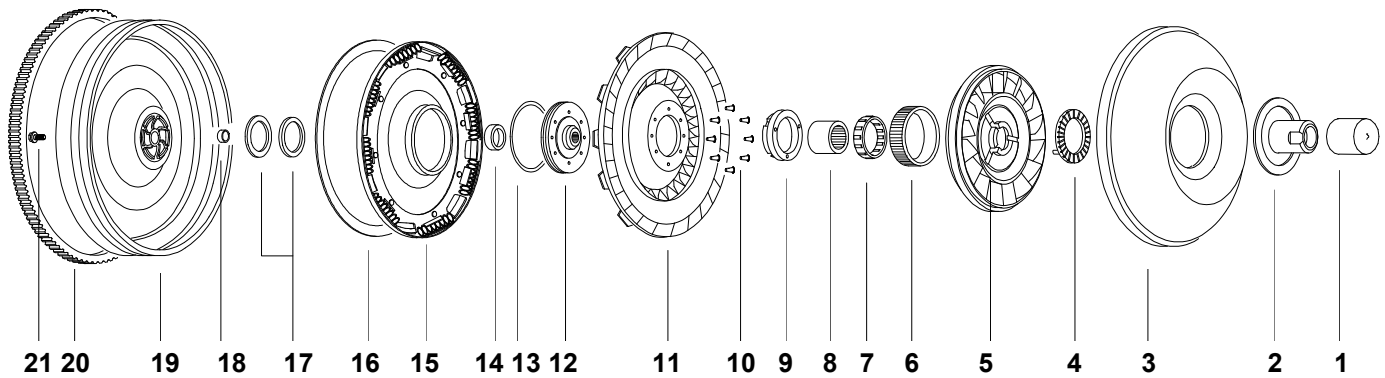
mitsubishi km-175 & 177 non-lockup, ct-9

▷ DACCO #	CT-9
▷ ATC	KM9
▷ OTHER	42-5

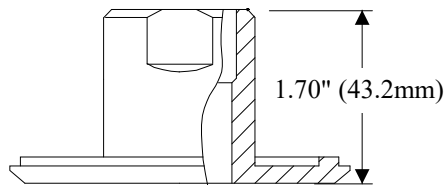
ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Black, For 1-5/8" Dia. Hub		MHC-B
2	Hub, Impeller	1.75" High, Heat Treated Flanged, Heat Treated, 1.73" High		TH-1-13GRC TH-1-22GRC
3	Impeller			
4	Race, Bearing	2.75" O.D., 2.00" I.D., .03" Thick		TRA-3244
5	Bearing	.078" Thick.		NTA-3244
6	Race, Bearing	2.75" O.D., 2.00" I.D., .06" Thick		TRB-3244
7	Stator			
8	Race, Outer			
9	Sprag			
10	Race, Inner	38 Spline, 1.62" O.D., 1.17" I.D., .75" High		TX-14-10
11	Cap, Stator	Aluminum, .26" O.D., 1.30" I.D., 2.60" Thick		TW-4-5
12	Race, Bearing	1.93" O.D., 1.42" I.D., .08" Thick	2	TW-2-6*
13	Bearing	Semi-Enclosed, 1.89" O.D., 1.36" I.D., .11" Thick	2	TW-2-5*
14	Turbine			
15	Turbine Hub	2.75" O.D., 20 Spline		TX-13-17HT
16	Bushing, Cover	.59" O.D., .47" I.D., .49" High		TB-18-11
17	Cover, Front			
18	Ring Gear	106 Teeth		RG-106KM
19	Bolt	Hex Head, M10 x 1.25, 11mm Long	3	B-42

*Note: TW-2-5 Bearing
TW-2-6 Race } Bearing and Race Kit TW-2-5K

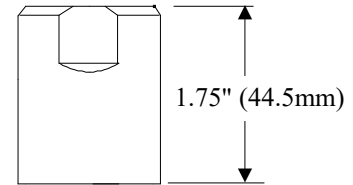
MITSUBISHI KM-175-5/177 LOCKUP, CT-12



ILL. # 2 IMPELLER HUBS, 1.692" (43mm) DIA.



TH-1-26GRC

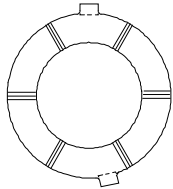


TH-1-13GRC

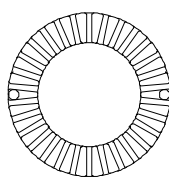
Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC" - Hardness Rc 32-36

ILL. # 4 WASHERS

O.D. 2.86" (72.6mm)	O.D. 2.87" (72.9mm)
I.D. 1.82" (46mm)	I.D. 1.82" (46.2mm)
Thick. .09" (2.3mm)	Thick. .13" (3.3mm)



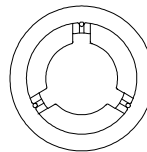
TW-3-5



TW-3-6

ILL. # 9 STATOR CAP

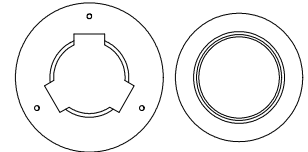
O.D. 2.60" (66mm)
I.D. 1.30" (33mm)
Thick. .30" (7.6mm)



TW-4-6

ADAPTER KIT

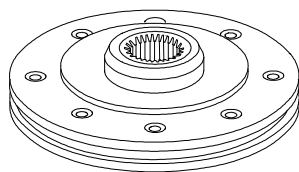
O.D. 2.60" (66mm)
I.D. 1.30" (33mm)
Thick. .30" (7.6mm)



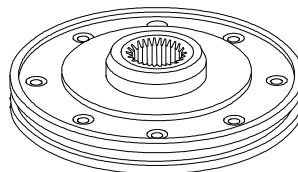
TW-4-15K

ILL. # 12 TURBINE HUBS

O.D. 3.22" (81.8mm)
20 Spline



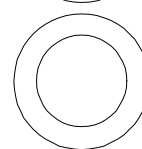
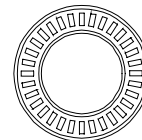
TX-13-16HT



TX-13-19HT

ILL. # 17 BEARING & RACE KIT

O.D. 1.89" (48mm)
I.D. 1.36" (34.5mm)
Thick. .19" (4.8mm)



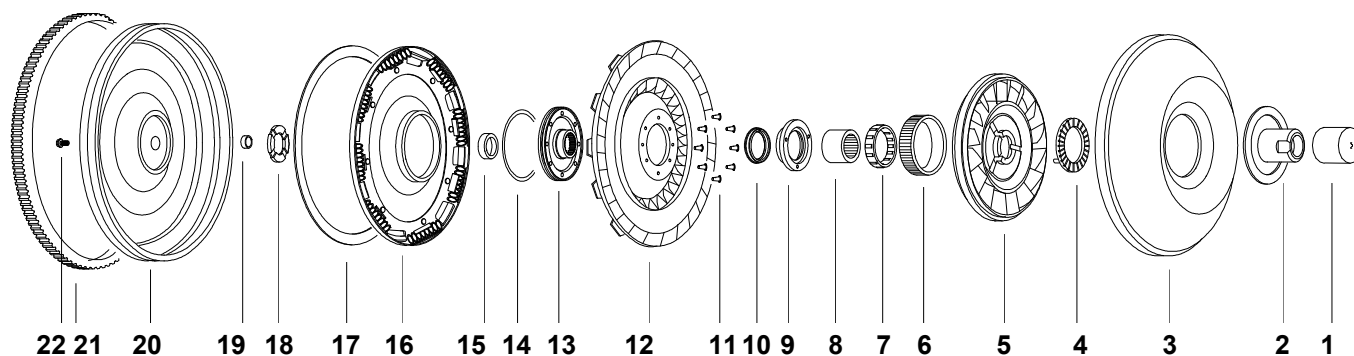
TW-2-5K

MITSUBISHI KM-175-5/177 LOCKUP, CT-12

▶ DACCO #	CT-12
▶ ATC	KM12
▶ OTHER	42-8

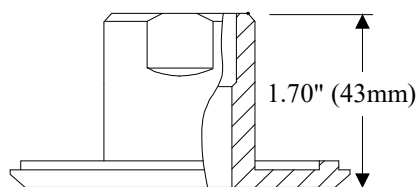
ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap®	Black, For 1-5/8" Dia. Hub	MHC-B
2	Hub, Impeller	1.75" High, Heat Treated Flanged, Heat Treated, 1.70" High	TH-1-13GRC TH-1-26GRC
3	Impeller		
4	Washer, Stator	Bronze, 2 Lugs Phenolic, 2 Round Lugs	TW-3-5 TW-3-6
5	Stator		
6	Race, Outer		
7	Sprag Cam Kit	Sprag, 14 Cams	BC-6 MS-316-14K
8	Race, Inner	38 Spline, .775" High	TX-14-10
9	Cap, Stator Kit, Adapter	Aluminum Bearing Type, For Heavy Duty	TW-4-6 TW-4-15K
10	Rivet	.226" Shank Dia. x .281" Long, Solid	8 TX-12-4
11	Turbine	230mm	
12	Turbine Hub	20 Spline, Heat Treated 20 Spline, Heat Treated	TX-13-16HT TX-13-19HT
13	O-Ring	High Temp., I.D. 74mm x 2.5mm Oversized, I.D. 74mm x 2.7mm	TO-25-4 TO-25-4X
14	Seal, Metal Clad	Hi Temperature	TO-25-5
15	Lockup Clutch		TX-26-12
16	Lining	9 1/4" O.D., 8 1/8" I.D., .045" Thick, Preglued	FX-23-6K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan			
17	Bearing & Race Kit	1.93" O.D., 1.36" I.D., .19" Thick	TW-2-5K
18	Bushing, Cover	.78" O.D., .67" I.D., .44" High	TB-18-12
19	Cover, Front		
20	Ring Gear	106 Teeth	RG-106KM
21	Bolt	Hex Head, M10 x 1.5, 11mm Long	3 B-41

MITSUBISHI KM-175-5/177 LOCKUP CT-12-1, CT-18. Late F4A42 & F4A43, (Galant)

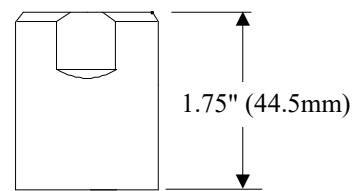


ILL. # 2

IMPELLER HUBS, 1.692" (43mm) DIA.



TH-1-26GRC



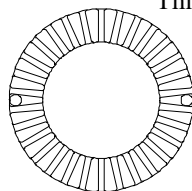
TH-1-13GRC

Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC" - Hardness Rc 32-36

ILL. # 4

WASHERS

O.D. 2.80" (71.1mm)
 I.D. 1.82" (46.2mm)
 Thick. .125" (3.2mm)

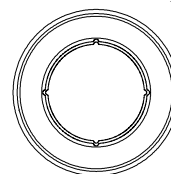


TW-3-6

ILL. # 10

BEARING

O.D. 1.92" (48.8mm)
 I.D. 1.20" (30.5mm)
 Thick. .23" (5.8mm)



TW-2-17

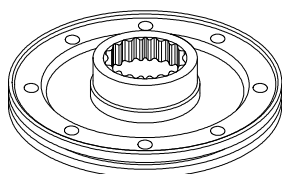
ILL. # 13

TURBINE HUBS

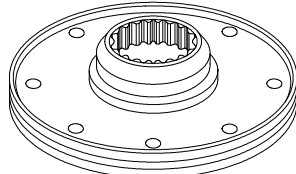
O.D. 3.22" (81.8mm)
20 Spline

O.D. 3.48" (88.4mm)
20 Spline

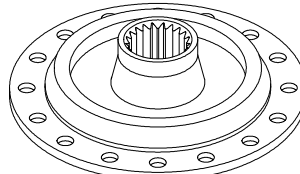
O.D. 4.09" (124.5mm)
20 Spline



TX-13-32HT



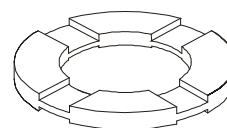
TX-13-35HT



TX-13-37HT

ILL. # 18 TURBINE WASHER

O.D. 1.97" (50mm)
 I.D. 1.35" (34mm)
 Thick. .24" (6.1mm)



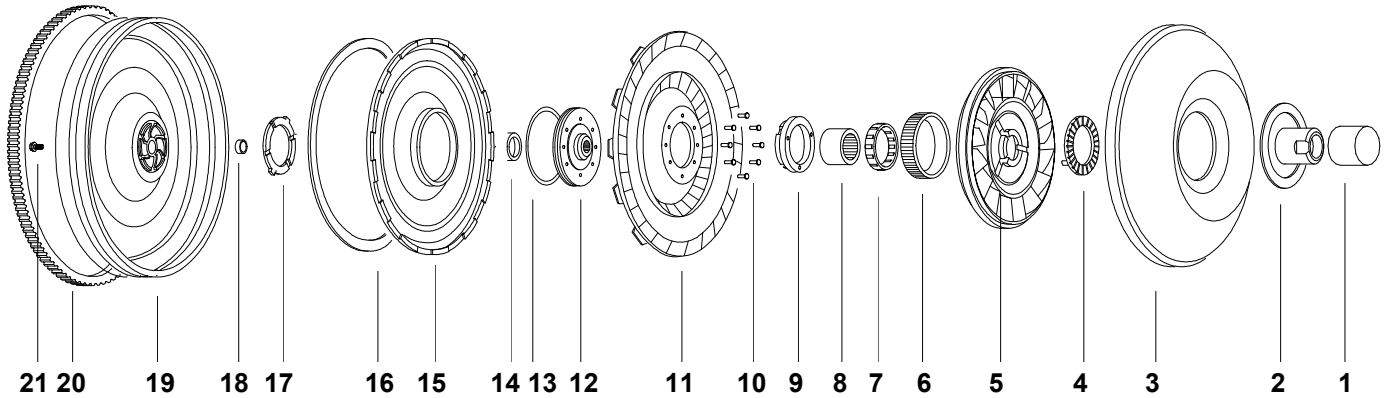
TW-9-17

MITSUBISHI KM-175-5/177 LOCKUP ▶ DACCO# CT-12-1, CT-18, CT-19
CT-12-1, CT-18. Late F4A42 & F4A43, (Galant) ▶ ATC KM12/B, KM15B
▶ OTHER 42-10, 42-11

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Black, For 1-5/8" Dia. Hub		MHC-B
2	Hub, Impeller	1.75" High, Heat Treated		TH-1-13GRC
		Flanged, Heat Treated, 1.70" High		TH-1-26GRC
3	Impeller			
4	Washer, Stator	Bronze, Stator, 2 Lugs		TW-3-5
		Phenolic, Stator, 2 Round Lugs		TW-3-6
5	Stator			
6	Race, Outer			
7	Sprag			BC-6
	Cam Kit	Sprag, 14 Cams		MS-316-14K
8	Race, Inner	38 Spline, .775" High		TX-14-10
9	Cap, Stator	Aluminum		
10	Bearing	Enclosed		TW-2-17
11	Rivet	.226" Shank Dia. x .281" Long, Solid	8	TX-12-4
12	Turbine	230mm		
13	Turbine Hub	20 Spline, O.D. 3.22", Heat Treated, '94 Galant		TX-13-32HT
		20 Spline, O.D. 4.09", Heat Treated, '98 Galant		TX-13-37HT
		20 Spline, O.D. 3.48", Heat Treated, '99 Galant		TX-13-35HT
14	O-Ring	74mm I.D. x 2.5mm, For TX-13-32HT		TO-25-4
		Oversized, I.D. 74mm x 2.7mm		TO-25-4X
15	Seal, Metal Clad	High Temp., Use w/TX-13-32HT & TX-13-35HT		TO-25-5
		Use w/TX-13-37HT		TO-25-13
16	Lockup Clutch	8 Springs		TX-26-12
17	Lining	9 1/4" x 8 1/8" x .045", Preglued		FX-23-6K*
		Floating Ring, 9 1/4" O.D., 7 7/8" I.D. .070" Thick		TX-26-7
18	Washer, Turbine	Phenolic		TW-9-17
		Alternate, Bronze		TW-9-17B
19	Bushing, Cover	.79" O.D., .67" I.D., .44" Wide		TB-18-12
20	Cover, Front			
21	Ring Gear	106 Teeth		RG-106KM
		110Teeth, ST-18		RG-110KM
22	Bolt	Hex Head, M10 x 1.25, 11mm Long	3	B-42

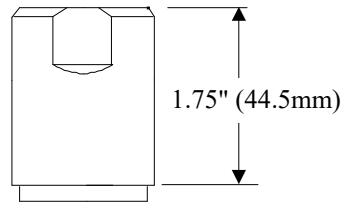
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan

MITSUBISHI KM-176 LOCKUP, CT-11

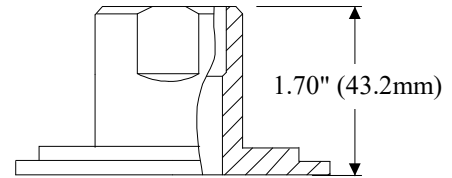


ILL. # 2

IMPELLER HUBS, 1.692" (43mm) DIA.



TH-1-13GRC



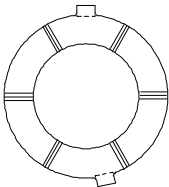
TH-1-23GRC

Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC" - Hardness Rc 32-36

ILL. # 4

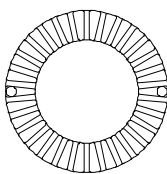
WASHERS

O.D. 2.86" (72.6mm)
I.D. 1.82" (46.2mm)
Thick. .09" (2.3mm)



TW-3-5

O.D. 2.87" (72.9mm)
I.D. 1.82" (46.2mm)
Thick. .13" (3.3mm)



TW-3-6

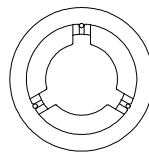
ILL. # 9

STATOR CAP

&

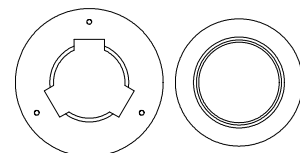
ADAPTER KIT

O.D. 2.60" (66mm)
I.D. 1.30" (33mm)
Thick. .30" (7.6mm)



TW-4-6

O.D. 2.60" (66mm)
I.D. 1.30" (33mm)
Kit Thick. .30" (7.6mm)

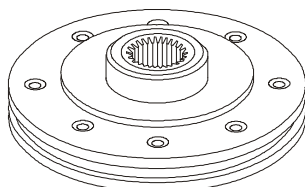


TW-4-15K

ILL. # 12

TURBINE HUB

O.D. 3.22" (81.8mm)
20 Spline

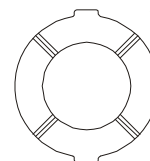


TX-13-15HT

ILL. # 17

WASHER

O.D. 1.99" (50.5mm)
I.D. 1.22" (31.0mm)
Thick. .07" (1.8mm)



TW-9-11

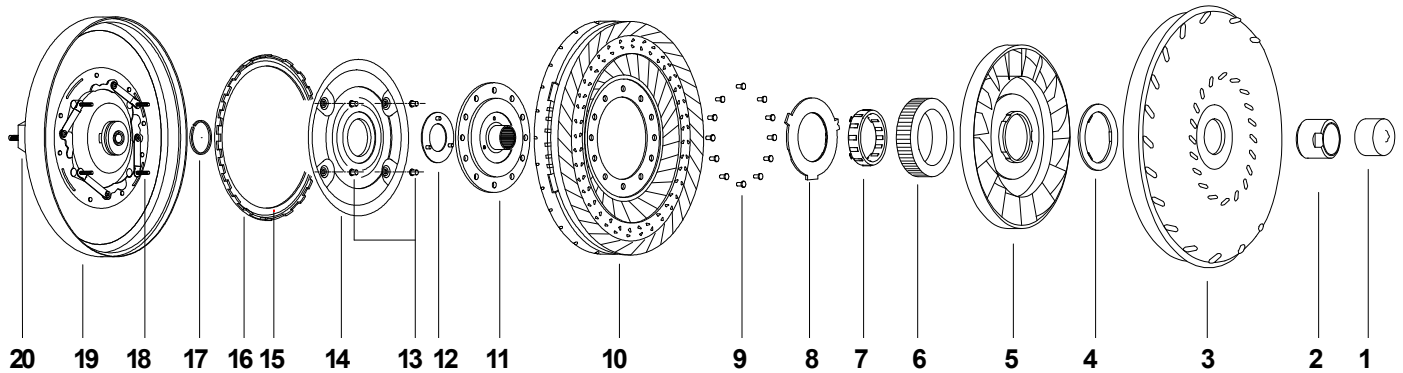
MITSUBISHI KM-176 LOCKUP, CT-11

▶ DACCO #	CT-11
▶ ATC	KM11
▶ OTHER	42-7

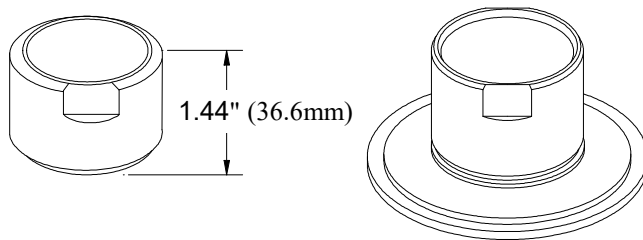
ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Black, For 1-5/8" Dia. Hub		MHC-B
2	Hub, Impeller 1.75" High, Heat Treated Flanged, Heat Treated, 1.70" High		TH-1-13GRC TH-1-23GRC
3	Impeller		
4	Washer, Stator Bronze, Stator, 2 Lugs, External Phenolic, Stator, 2 Round Lugs		TW-3-5 TW-3-6
5	Stator		
6	Race, Outer		
7	Sprag Cam Kit Sprag (14 Cams)		BC-6 MS-316-14K
8	Race, Inner 38 Spline, 1.62" O.D., 1.17" I.D., .75" High		TX-14-10
9	Cap, Stator Aluminum Kit, Adapter With Bearing, Heavy Duty		TW-4-6 TW-4-15K
10	Rivet .226" Shank Dia. x .281" Long, Solid	8	TX-12-4
11	Turbine 240mm		
12	Turbine Hub 20 Spline, Heat Treated		TX-13-15HT
13	O-Ring High Temp., I.D. 74mm x 2.5mm Oversized, I.D. 74mm x 2.7mm		TO-25-4 TO-25-4X
14	Seal, Metal Clad High Temp. 25mm O.D., 16mm I.D., 5mm High		TO-25-5
15	Lockup Clutch		
16	Lining 9" O.D., 8" I.D., .045" Thick, Preglued Alternate, 9.00" O.D., 7-3/4" I.D., .045" Thick, Preglued		TX-23-6K* SX-23-13K*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
17	Washer, Turbine		TW-9-11
18	Bushing, Cover .78" O.D., .67" I.D., .44" High		TB-18-12
19	Cover, Front		
20	Ring Gear 106 Teeth		RG-106KM
21	Bolt Hex Head, M10 x 1.5, 11mm Long		B-41

RENAULT, PEUGEOT, CITROEN, AUSTIN

RENAULT DPO, PEUGEOT AL4, CITROEN, EARLY



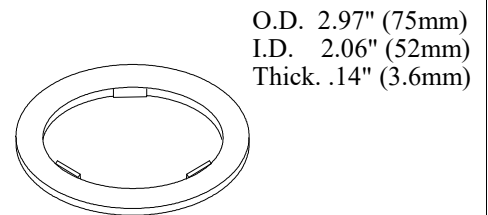
ILL. # 2 IMPELLER HUB, 2.140" (54.4mm) DIA.



RH-1-1GRC

RH-1-2FLG

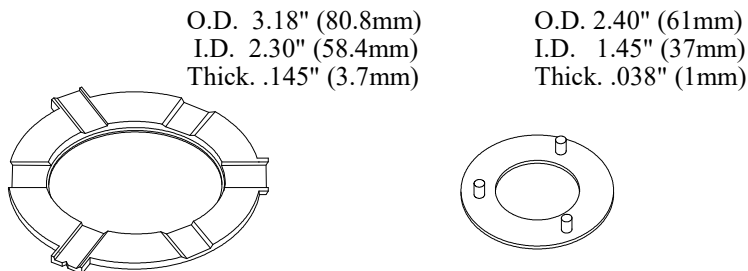
ILL. # 4 BEARING



O.D. 2.97" (75mm)
I.D. 2.06" (52mm)
Thick. .14" (3.6mm)

RW-2-1

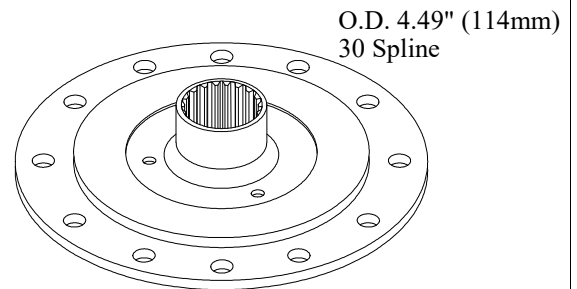
ILL. # 8, 12 PHENOLIC WASHERS



RW-4-1

RW-9-1

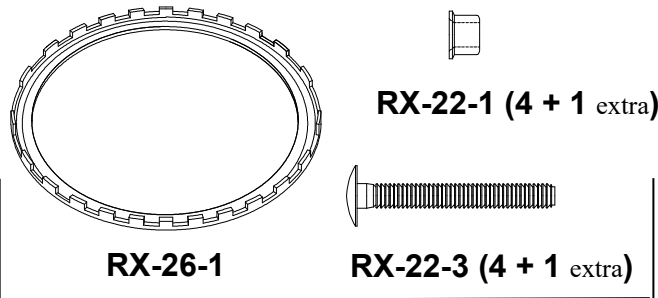
ILL. # 11 TURBINE HUB



O.D. 4.49" (114mm)
30 Spline

RX-13-1HT

ILL. # 16, 13 & 18 CLUTCH PLATE, RETAINERS & RIVETS



RX-22-1 (4 + 1 extra)

RX-26-1

RX-22-3 (4 + 1 extra)

RX-26-1K Clutch Kit

N.I. REPAIR SLEEVE

I.D. .709" (7.4mm)
Height .400" (9.8mm)

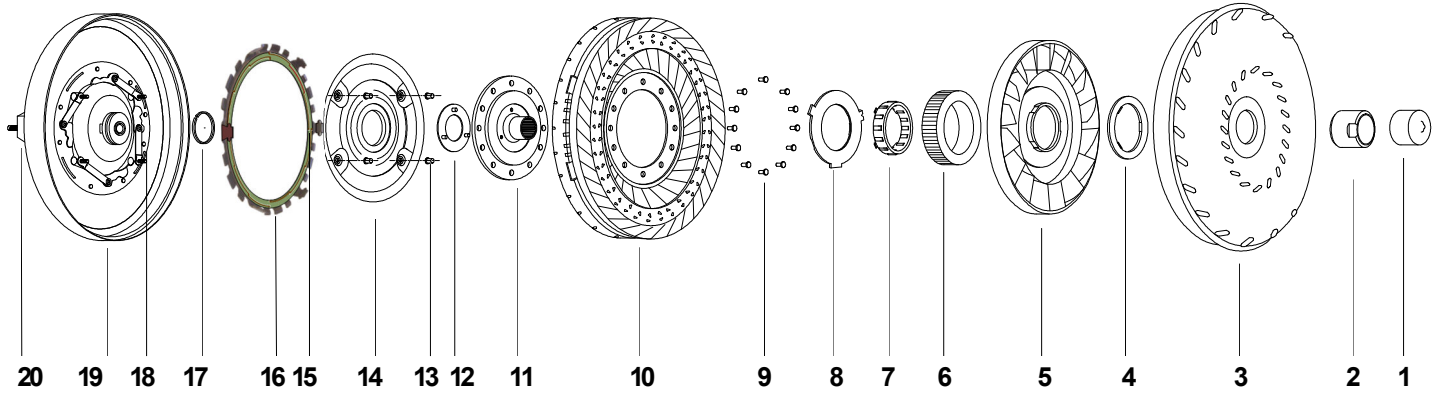


RX-22-2

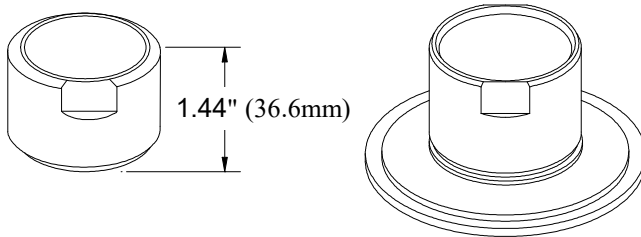
RENAULT DPO, PEUGEOT AL4, CITROEN, EARLY

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Brown™, For 2-1/8" Dia. Hub		MHC-BR
2	Hub, Impeller	Butt Mount, Heat Treated, 2.14" O.D., 1.44" High Flanged		RH-1-1GRC RH-1-2FLG
3	Impeller			
4	Bearing	Enclosed, 3 Tangs, 2.97" O.D., 2.06" I.D., .14" Thick		RW-2-1
5	Stator			
6	Race, Outer			
7	Sprag	Assembly Cam Repair Kit, 16 Cams, .192 x .242		RC-6-1 MF-240-16K
8	Stator Cap	Phenolic		RW-4-1
9	Rivets	Solid, .160" Shank Dia., .360 Long	12	RX-12
10	Turbine & Plate	Assembly		
11	Turbine Hub	30 Spline (2 Teeth Removed), Heat Treated		RX-13-1HT
12	Washer	Phenolic, 2.40" O.D., 1.45" I.D., .038" Thick		RW-9-1
13	Retainer	Aluminum	4	RX-22-1
14	Plate			
15	Lining	7-1/2" O. D. x 6-11/16" I.D. x .045" Thick	2	RX-23-1K*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
16	Clutch Plate	7.87" x 6.65" x .360" High, 24 Teeth, Late, w/2 Linings		RX-26-1
N.I.	Clutch Plate Kit	Includes RX-26-1 and RX-22-1 (5), RX 22-3 (5)		RX-26-1K
17	Seal	2.135" O.D., 0.075" Thick		RO-25-1
N.I.	Repair Sleeve	For Cover		RX-22-2
18	Rivet	Magna Grip, .185" Dia., 1.80" Long	4	RX-22-3
19	Cover	Assembly		
20	Stud		3	
N.I.	Studcap™		3	MHC-STD

RENAULT DPO, PEUGEOT AL4, CITROEN, LATE



ILL. # 2 IMPELLER HUB 2.140" (54.4mm) DIA.

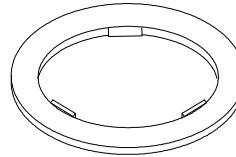


RH-1-1GRC

RH-1-2FLG

ILL. # 4 BEARING

O.D. 2.97" (75mm)
I.D. 2.06" (52mm)
Thick. .14" (3.6mm)



RW-2-1

N.I. REPAIR SLEEVE

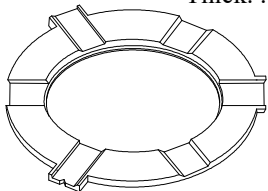
I.D. .709" (7.4mm)
Height .400" (9.8mm)



RX-22-2

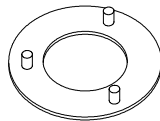
ILL. # 8, 12 PHENOLIC WASHERS

O.D. 3.18" (81mm)
I.D. 2.30" (58mm)
Thick. .145" (4mm)



RW-4-1

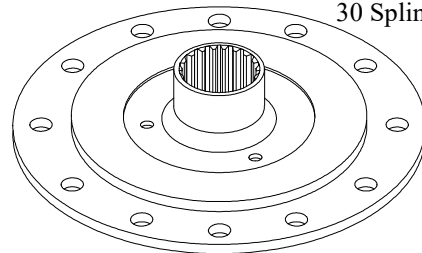
O.D. 2.40" (61mm)
I.D. 1.45" (37mm)
Thick. .038" (1mm)



RW-9-1

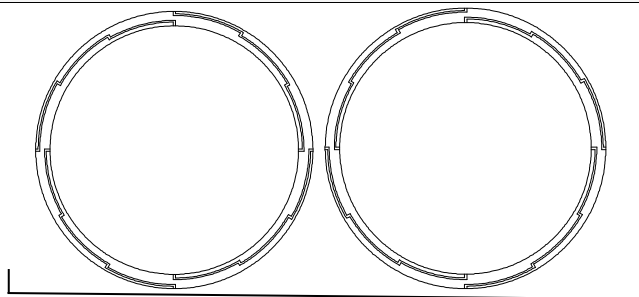
ILL. # 11 TURBINE HUB

O.D. 4.49" (114mm)
30 Spline



RX-13-1HT

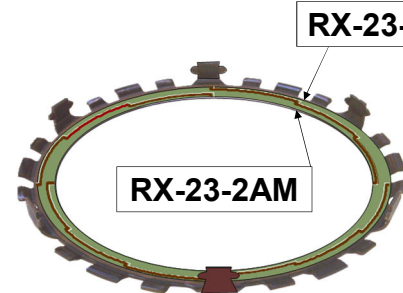
ILL. # 15 LININGS



RX-23-2KK

(kit includes two linings with mirror design grooves)

ILL. # 16 CLUTCH PLATE



RX-26-2 (with RX-23-2KK)

RENAULT DPO, PEUGEOT AL4, CITROEN, LATE

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Brown™, For 2-1/8" Dia. Hub		MHC-BR
2	Hub, Impeller	Butt Mount, Heat Treated, 2.14" O.D., 1.44" High Flanged		RH-1-1GRC RH-1-2FLG
3	Impeller			
4	Bearing	Enclosed, 3 Tangs, 2.97" O.D., 2.06" I.D., .14" Thick		RW-2-1
5	Stator			
6	Race, Outer			
7	Sprag	Assembly Cam Repair Kit, 16 Cams, .192 x .242		RC-6-1 MF-240-16K
8	Stator Cap	Phenolic		RW-4-1
9	Rivets	Solid, .160" Shank Dia., .360 Long	12	RX-12
10	Turbine & Plate	Assembly		
11	Turbine Hub	30 Spline (2 Teeth Removed), Heat Treated		RX-13-1HT
12	Washer	Phenolic, 2.40" O.D., 1.45" I.D., .038" Thick		RW-9-1
13	Retainer	Height: 0.155", Dia.: 0.310"	4	RX-22-5
14	Plate			
15	Lining	Kit Includes one each RX-23-2AMK, RX-23-2BMK 7.93" O. D. x 7.1" I.D. x .045" Thick, Grooved		RX-23-2KK*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
16	Clutch Plate	8.54" x 7.10" x .73", 24 Teeth, with RX-23-2KK* RX-26-2K Clutch Plate Kit includes: 1 clutch plate RX-26-2, 4 rivets RX-22-4, Ill #18; 4 retainers RX-22-5 Ill. #13		RX-26-2 RX-26-2K
17	Seal	PTFE, 2.153" O.D., 0.092" Thick		RO-25-2
N.I.	Repair Sleeve	For Cover		RX-22-2
18	Rivet	Rivet Head: Round, Rivet Type: Solid Head Dia.: 0.470", Length: 1.814", Shank Dia.: 0.185"	4	RX-22-4
19	Cover	Assembly		
20	Stud		3	
N.I.	Studcap™		3	MHC-STD

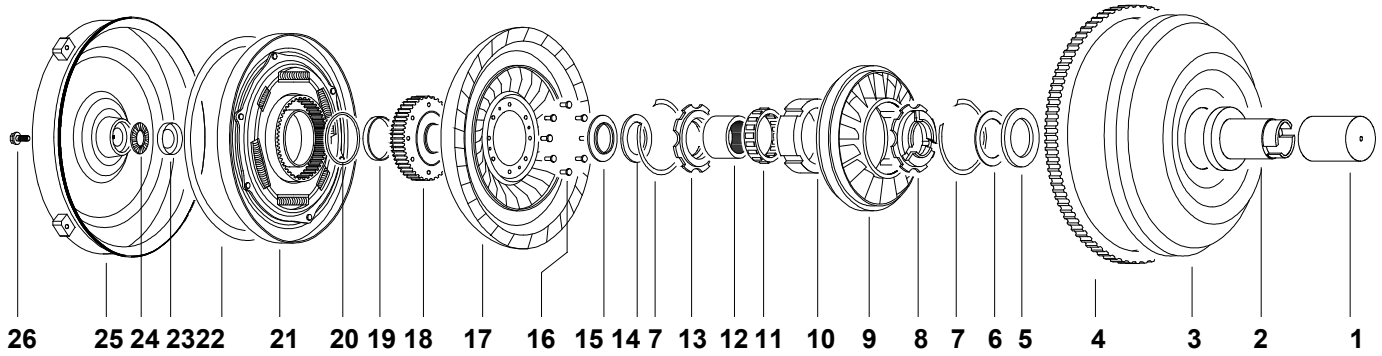
* Friction Lining Kit **RX-23-2KK** includes 2 Kevlar® linings (**RX-23-2AMK** & **RX-23-2BMK**).
Lining **RX-23-2AMK**, stamped "A", is placed on the bottom, lining **RX-23-2BMK**, stamped "B", is placed on the top.

**AUSTIN AP-2, MINI-MINOR,
AUSTIN 1100, 1300 MORRIS**

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Sprag		O.D.: 3.775/ 95.9 mm		AC-6
O-Ring	Hidden Under Hub, Material: Fluorocarbon	O.D.: 3.500" / 88.9 mm I.D.: 3.215" / 81.7 mm Thick. 0.137" / 3.5 mm		AO-23
Ring Gear	107 Teeth, 2nd Type	O.D.: 10.81/ 274.6 mm I.D.: 9.555/ 242.7 mm Thick. 0.375" / 9.5 mm		RG-107A

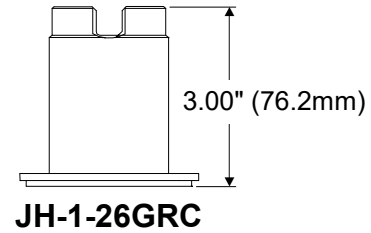
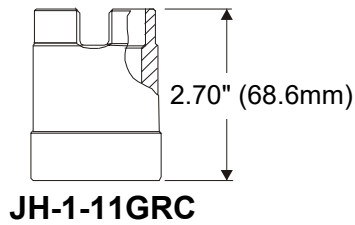
SUBARU

SUBARU, SU-11



ILL. # 2

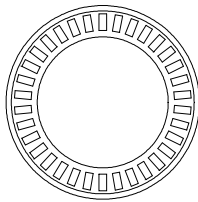
IMPELLER HUBS, 1.960" (49.8mm) DIA.



Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"-Hardness Rc 32-36

ILL #5

BEARING

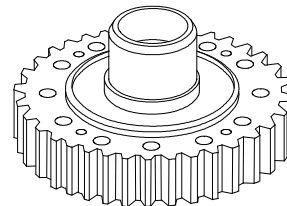


TW-2-12

O.D. 2.55" (64.8mm)
I.D. 1.73" (43.9mm)
Thick .16" (4.1mm)

ILL #18

TURBINE HUB

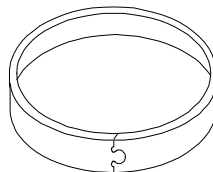


JX-13-16HT

O.D. 3.72" (94.5mm)
22 Spline

ILL. # 19

BUSHING



49003

O.D. 1.9" (48.3mm)
I.D. 1.78" (45.2mm)
Width 0.35" (9.0mm)

SUBARU, SU-11

► DACCO # SU-11

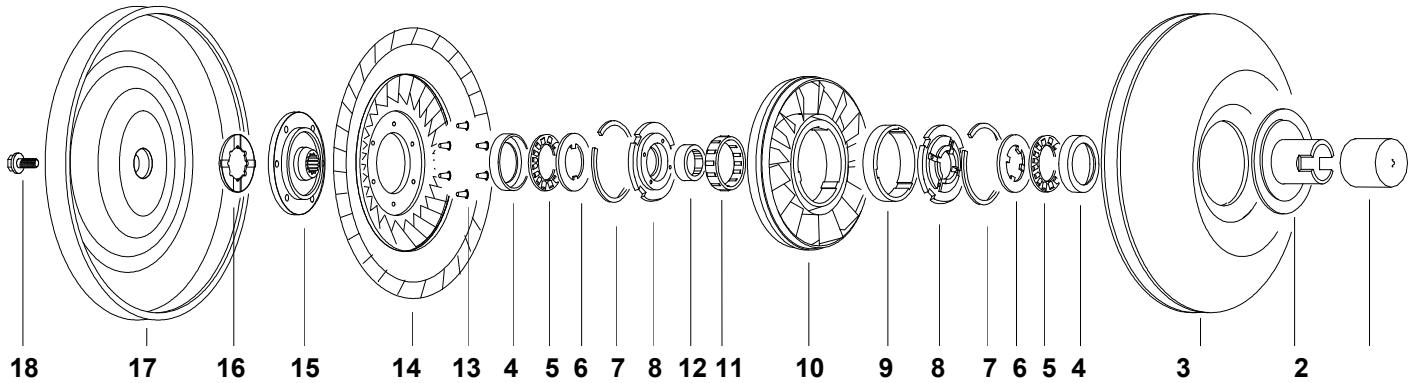
► ATC SU11

► OTHER 69-31

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Yellow™, For 1-7/8" Dia. Hubs		MHC-Y
2	Hub, Impeller Heat Treated		JH-1-11GRC
	Heat Treated, Flanged		JH-1-26GRC
3	Impeller		
4	Ring Gear 115 Teeth		RG-115S
5	Bearing Partially Enclosed		TW-2-12
6	Race, Bearing 2.42" O.D., 1.70" I.D., .078" Thick		PW-2-3
7	Ring, Snap		
8	Cap, Stator Aluminum, 3.15" O.D., 1.47" I.D., .64" Thick		
9	Stator		
10	Race, Outer		
11	Sprag 22 Cams		YC-6
12	Race, Inner 33 Spline		
13	Cap, Stator Aluminum Bearing Adapter, 3.15" O.D., 1.41" I.D., 1.41" Thick		
14	Bearing Partially Enclosed, 2.08" O.D., 1.40" I.D., .16" Thick		
15	Race, Bearing Lipped, 1.97" O.D., 1.30" I.D., .03" Thick		
16	Rivet .21" Shank Dia., .39" Long	8	FX-12LS
17	Turbine 246mm		
18	Turbine Hub 22 Int. Spline, 46 Ext. Spline, 1.66" High, 3.72" O.D.		JX-13-16HT
	Insert 22 Spline		JX-13-22
19	Bushing 45mm x 48mm x 9.0mm		49003
20	Ring, Seal PTFE, Scarf Cut, 58mm x 2.4mm		JO-25-7
21	Lockup Clutch		JX-23-25
22	Lining 9-1/4" O.D., 8-5/16" I.D., .045" Thick		JX-23-20K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan			
23	Race, Bearing Cupped, 1.29" O.D., .79" I.D., .05" Thick		
24	Bearing Partially Enclosed, 1.37" O.D., .80" I.D., .13" Thick		
25	Cover, Front 10 5/8" Dia.		
26	Bolt		

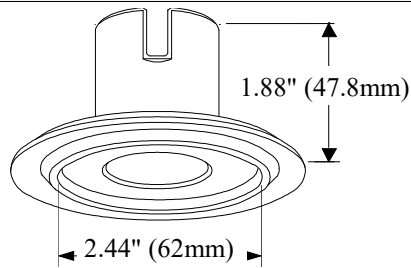
TOYOTA

TOYOTA A-130 NON-LOCKUP MX-17

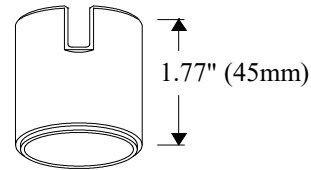


ILL. # 2

IMPELLER HUBS, 1.499" (38mm) DIA.



YH-1-66FLG

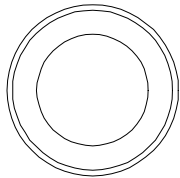


YH-1-3G

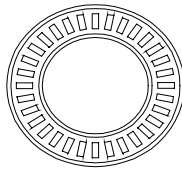
Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. # 4, 5, 6 RETAINER, BEARING & STEEL WASHER

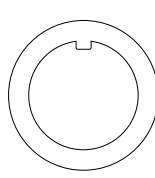
O.D. 2.43" (62mm)	O.D. 2.36" (60mm)	O.D. 2.30" (58mm)
I.D. 1.65" (42mm)	I.D. 1.57" (40mm)	I.D. 1.58" (40mm)
Thick. .03" (0.8mm)	Thick. .12" (3mm)	Thick. .08" (2mm)



YW-2-4



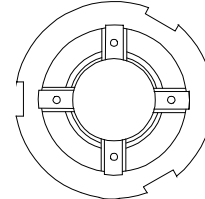
JW-2ND



YW-2

ILL. #8 STATOR CAP

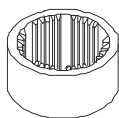
O.D. 3.09" (78.5mm)
I.D. 1.28" (32.5mm)
Thick. .41" (10.4mm)



YW-4-5

ILL. #12 INNER RACE

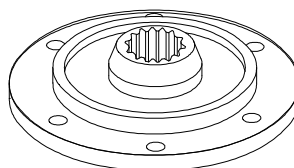
O.D. 1.63" (41.4mm)
Height .83" (21.1mm)
38 Spline
12 Removed



YX-14-3

ILL. #15 TURBINE HUB

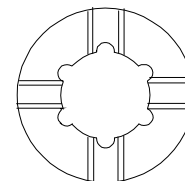
O.D. 3.70" (94mm)
26 Spline



YX-13-3HT

ILL. #16 TURBINE WASHER

O.D. 2.30" (58mm)
I.D. 1.19" (30mm)
Thick. .14" (3.6mm)



YW-9-2

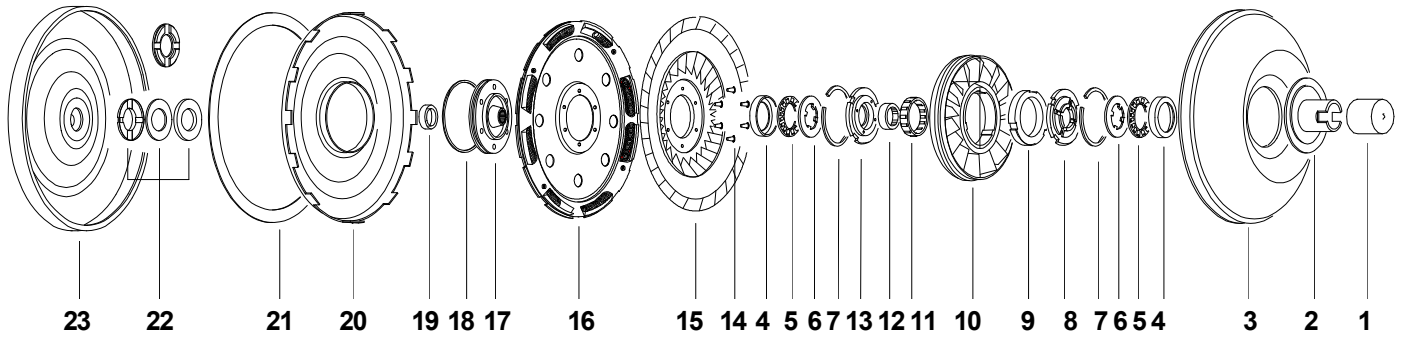
TOYOTA A-130 NON-LOCKUP MX-17

▷ DACCO #	TO-29
▷ ATC	TO30
▷ OTHER	89-4

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Green™, For 1.5" Dia. Hubs		MHC-G
2	Hub, Impeller	Flanged, Heat Treated		YH-1-66FLG
		Butt Mount, 1.499" Dia.		YH-1-3G
3	Impeller			
4	Retainer	Bearing, Cupped, 2.43" O.D., 1.66" I.D., .030" Thick	2	YW-2-4*
5	Bearing	Heavy Duty, 60mm x 40mm x 3.2mm, Replaces JW-2N	2	JW-2ND*
		60mm x 40mm x 3mm	2	JW-2N*
6	Washer, Steel	Universal, 2.3" O.D., 1.58" I.D., .08" Thick	2	YW-2*
7	Ring, Snap		2	
8	Cap, Stator	Aluminum, Bulletproof™ 3.09" O.D., 1.28" I.D., .41" Thick	2	YW-4-5
9	Race, Outer			
10	Stator			
11	Sprag	14 Cams (Cam Kit, MS-316-14K)		BC-6
12	Race, Inner	38 Spline, 1.62" O.D., 1.17" I.D., .83" High		YX-14-3
13	Rivet	.245" Shank Dia., .3" Long	6	YX-12
14	Turbine	254mm		
15	Turbine Hub	3.70" O.D., 26 Spline		YX-13-3HT
N.I.	Insert, Spline	1.25" O.D., 1.1" High, 26 Spline		YX-13-26
16	Washer, Turbine	Bronze, 2.36" O.D., 1.19" I.D., .137" Thick		YW-9-2
17	Cover, Front			
18	Bolt	Hex Head, M8 × 1.25	6	YX-10-1

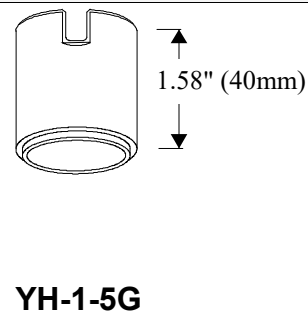
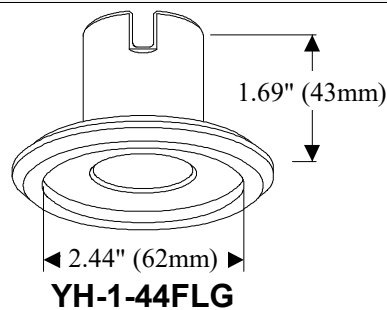
* Note: **YW-2-4** **JW-2ND** **YW-2** } Bearing and Race Kit **YW-2BK** or **YW-2-4** **JW-2ND** } Bearing **YW-2-16**, See Pages 17-20, 17-21

TOYOTA A-131L LOCKUP



ILL. # 2

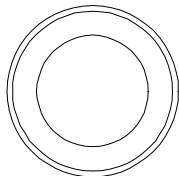
IMPELLER HUBS, 1.499" (38mm) DIA.



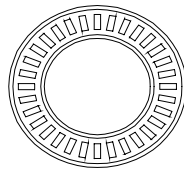
Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"-Hardness Rc 32-36

ILL. # 4, 5, 6 RETAINER, BEARING & STEEL WASHER

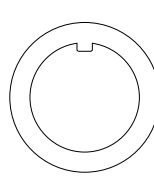
O.D. 2.43" (62mm)
I.D. 1.65" (42mm)
Thick. .030" (0.8mm)



O.D. 2.36" (60mm)
I.D. 1.57" (40mm)
Thick. .12" (3mm)

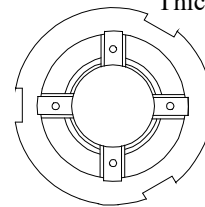


O.D. 2.30" (58mm)
I.D. 1.58" (40mm)
Thick. .08" (2mm)



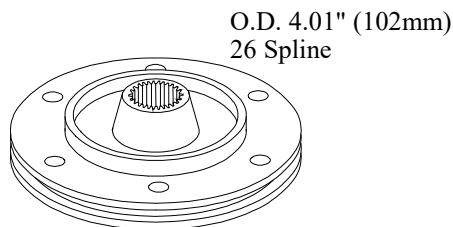
ILL. # 8 & 13 STATOR CAP

O.D. 3.09" (78.5mm)
I.D. 1.28" (32.5mm)
Thick. .41" (10.4mm)



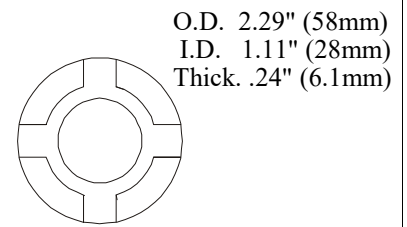
ILL. #17

TURBINE HUB



ILL. # 22

TURBINE WASHER



TOYOTA A-131L LOCKUP

► DACCO # TO-19, TO-24

► ATC TO19

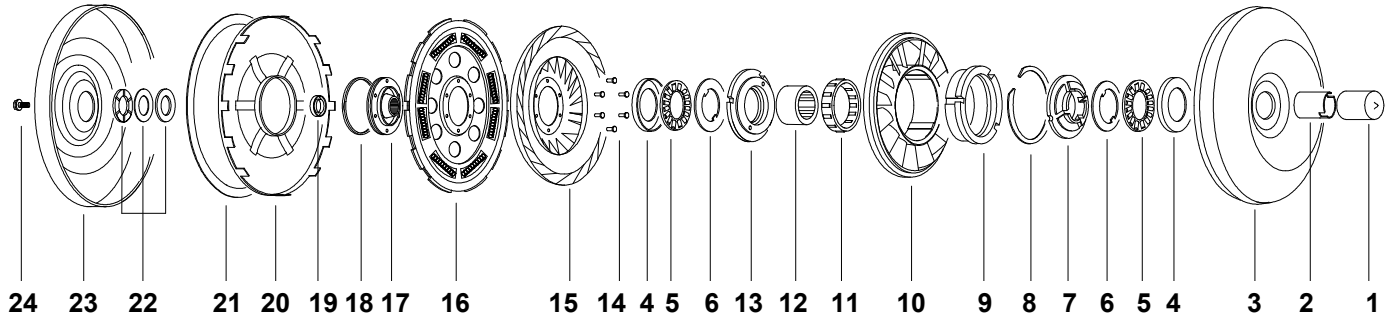
► OTHER

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Green™, For 1.5" Dia. Hubs		MHC-G
2	Hub, Impeller	Flanged, Heat Treated		YH-1-44FLG
		Butt Mount, 1.499" Dia.		YH-1-5G
3	Impeller			
4	*Retainer	Bearing, Cupped, 2.43" O.D., 1.66" I.D., .030" Thick	2	YW-2-4
5	*Bearing	Heavy Duty, 60mm x 40mm x 3.2mm, Replaces JW-2N	2	JW-2ND
		60mm x 40mm x 3mm	2	JW-2N
6	*Washer, Steel	Universal, 2.3" O.D., 1.58" I.D., .08" Thick	2	YW-2
7	Ring, Snap		2	
8	Cap, Stator	Rear, Aluminum, Bulletproof™		YW-4-5
		3.09" O.D., 1.28" I.D., .41" Thick		
9	Race, Outer			
10	Stator			
11	Sprag	14 Cams (Cam Kit, MS-316-14K)		BC-6
12	Race, Inner	38 Spline		YX-14-3
13	Cap, Stator	Front, Aluminum, Bulletproof™		YW-4-5
		3.09" O.D., 1.28" I.D., .41" Thick		
14	Rivet	.245" Shank Dia., .425" Long	6	YX-12L
15	Turbine	254mm		
16	Damper, Assembly	10-5/8" O.D., 4-5/16" I.D.		
17	Turbine Hub	26 Spline, 4.01" O.D.		YX-13HT
N.I.	Insert, Spline	26 Spline, 1.25" O.D., 1.1" High		YX-13-26
18	Ring, Seal	Teflon®, Scarf Cut, 103mm O.D., 2.3mm Width		YO-25-4
19	Seal, Metal Clad	Hi Temperature, 23.6mm O.D., 15mm I.D.		YO-25-12
	Seal, Metal Clad with spring	Hi Temperature, 23.6mm O.D., 15mm I.D.		YO-25-2
20	Lockup Clutch			YX-23-4
21	Lining	8-1/4" O.D., 7-1/4" I.D., .045" Thick		YX-23-2
		8-1/2" O.D., 7-1/4" I.D., .045" Thick		YX-23-19K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
22	Bearing & Race Kit	Replaced By Washer YW-9-4B		YW-9-4K
	Washer, Turbine	Phenolic, 2.27" O.D., 1.11" I.D., .24" Thick		YW-9-4B
23	Cover, Front			
N.I.	Bolt	Hex Head, M8 × 1.25	6	YX-10-1

*Note: **YW-2-4**
JW-2ND
YW-2 } Bearing and Race Kit **YW-2BK**

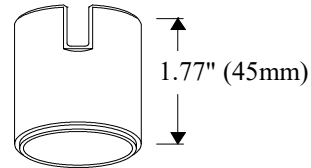
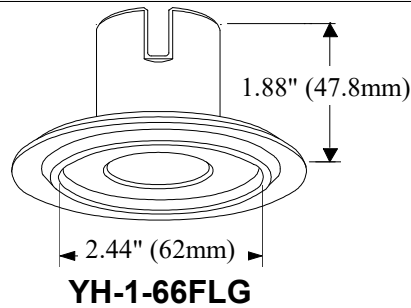
** Alternate: Use YW-9-6 Bearing & YW-9-7 Race, See Illustration on Page 17-20

TOYOTA A-140E



ILL. # 2

IMPELLER HUBS, 1.499" (38mm) DIA.

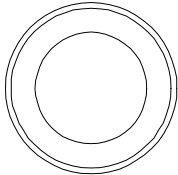


YH-1-3G

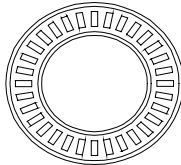
Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"- Hardness Rc 32-36

ILL. # 4, 5, 6 RETAINER, BEARING & STEEL WASHER

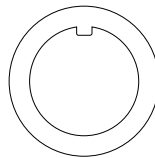
O.D. 2.43" (62mm)	O.D. 2.36" (60mm)	O.D. 2.30" (58mm)
I.D. 1.65" (42mm)	I.D. 1.57" (40mm)	I.D. 1.58" (40mm)
Thick. .030" (0.8mm)	Thick. .12" (3mm)	Thick. .08" (2mm)



YW-2-4



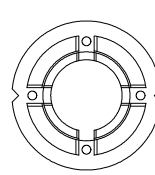
JW-2ND



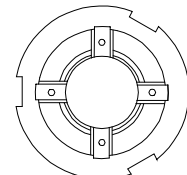
YW-2

ILL. # 7 & 13 STATOR CAPS

O.D. 2.68" (68mm)	O.D. 3.09" (78.5mm)
I.D. 1.28" (32.5mm)	I.D. 1.28" (32.5mm)
Thick. .37" (9.4mm)	Thick. .41" (10.4mm)



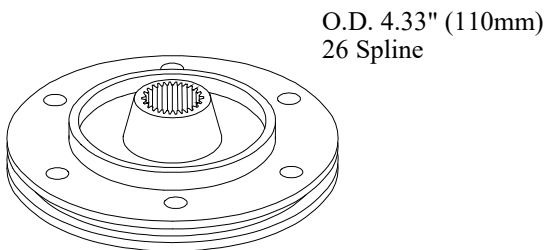
YW-4-6



YW-4-5

ILL. #17

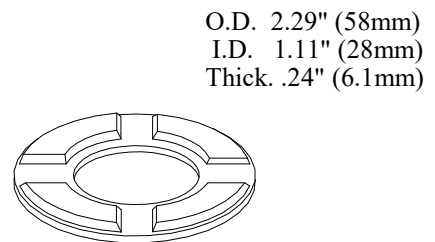
TURBINE HUB



YX-13-1HT

ILL. #22

TURBINE WASHER



YW-9-4B
Phenolic

TOYOTA A-140E

▷ DACCO # TO-18

▷ ATC TO18

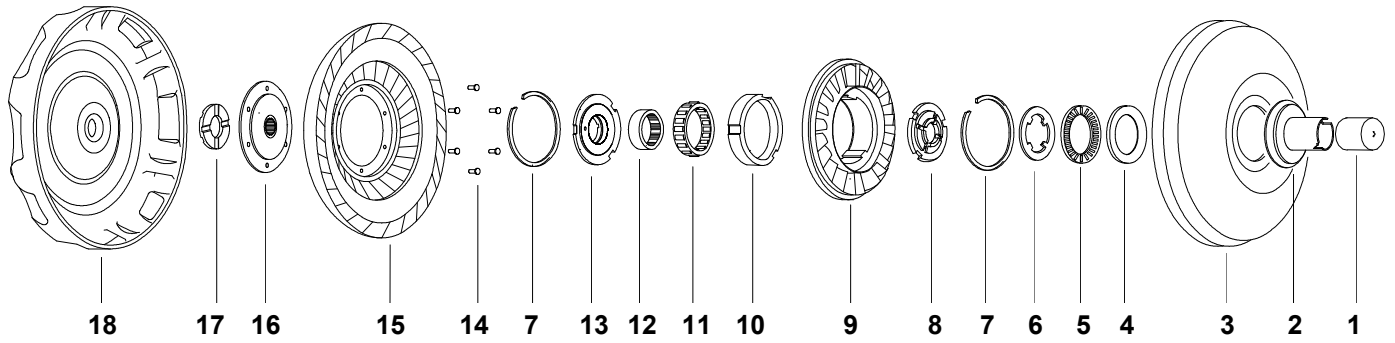
▷ OTHER 89-1L

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Green™, For 1.5" Dia. Hubs		MHC-G
2	Hub, Impeller	Flanged, Heat Treated		YH-1-66FLG
		Butt Mount, 1.5" Dia.		YH-1-3G
3	Impeller			
4	Retainer	Bearing, Cupped, 2.43" O.D., 1.66" I.D., .030" Thick	2	YW-2-4*
5	Bearing	Heavy Duty, 60mm x 40mm x 3.2mm, Replaces JW-2N	2	JW-2ND*
		60mm x 40mm x 3mm		JW-2N*
6	Washer, Steel	Universal, 2.30" O.D., 1.58" I.D., .08" Thick	2	YW-2*
7	Cap, Stator	Rear, Alum., Bulletproof™, 2.68" O.D., 1.28" I.D., .37" Thick		YW-4-6
8	Ring, Snap			
9	Race, Outer			
10	Stator			
11	Sprag	14 Cams, (Cam Kit, MS-316-14K)		BC-6
12	Race, Inner	38 Spline		YX-14-3
13	Cap, Stator	Front, Alum. Bulletproof™ 3.09" O.D., 1.28" I.D., .41" Thick		YW-4-5
14	Rivet	.245" Shank Dia., .40" Long	12	YX-12L
15	Turbine	254mm		
16	Damper			
17	Turbine Hub	26 Spline, 4.33" O.D.		YX-13-1HT
N.I.	Insert, Spline	26 Spline, 1.25" O.D., 1.1 High		YX-13-26
18	Ring, Seal	Teflon®, Scarf Cut, 110mm x 2.3mm		YO-25-3
19	Seal, Metal Clad	Hi Temperature, 23.6mm x 15mm (with spring)		YO-25-2
		Hi Temperature, 23.6mm x 15mm		YO-25-12
		Hi Temperature, 23.5mm. x 15.5mm.		YO-25-11
20	Lockup Clutch	10-5/8" O.D., 4-5/16" I.D.		YX-23-5
21	Lining	9-3/4" O.D., 8-1/4" I.D., .045" Thick		YX-23-3K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
22	** Bearing & Race Kit	Replaced By Washer YW-9-4B		YW-9-4K
	Washer, Turbine	Phenolic, 2.27" O.D., 1.11" I.D., .235" Thick		YW-9-4B
23	Cover, Front			
N.I.	Pad, Mounting	Threaded	6	YX-10
24	Bolt	Hex Head, M8 × 1.25	6	YX-10-1

*Note: **YW-2-4** **JW-2ND** **YW-2** — Bearing and Race Kit **YW-2BK** or **YW-2-4** **JW-2ND** — Bearing **YW-2-16**, See Pages 17-20, 17-21

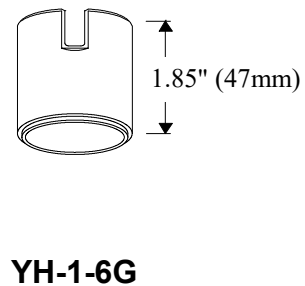
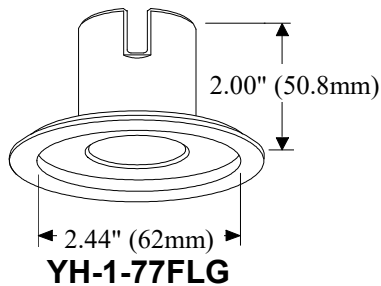
** Alternate: Use **YW-9-6** Bearing & **YW-9-7** Race, to Replace **YW-9-4K**, See Pages 11-20, 11-21

A-40/43/44D NON-LOCKUP, Overdrive



ILL. # 2

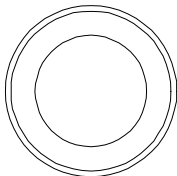
IMPELLER HUBS, 1.499" (38mm) DIA.



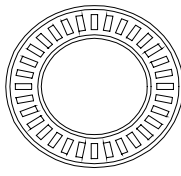
Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"-Hardness Rc 32-36

ILL. # 4, 5, 6 RETAINER, BEARING & STEEL WASHER

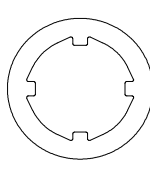
O.D. 2.43" (62mm)	O.D. 2.36" (60mm)	O.D. 2.30" (58mm)
I.D. 1.65" (42mm)	I.D. 1.57" (40mm)	I.D. 1.58" (40mm)
Thick. .030" (0.8mm)	Thick. .12" (3mm)	Thick. .08" (2mm)



YW-2-4



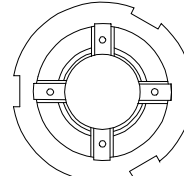
JW-2ND



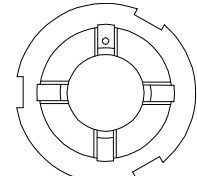
YW-2

ILL. # 8 & 13 STATOR CAPS

O.D. 3.09" (78.5mm)	O.D. 3.09" (78.5mm)
I.D. 1.28" (32.5mm)	I.D. 1.32" (33.5mm)
Thick. .50" (12.7mm)	Thick. .55" (14mm)



YW-4-3

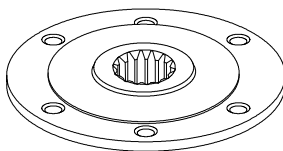


YW-4-4

ILL. #16

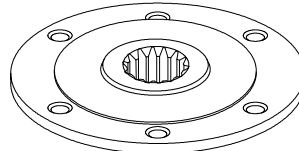
TURBINE HUBS

O.D. 3.77" (95.8mm)
26 Spline



YX-13-4HT

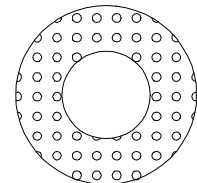
O.D. 3.89" (98.8mm)
26 Spline



YX-13-5HT

ILL. # 17 TURBINE WASHER

O.D. 2.56"
I.D. 1.24"
Thick. .08"



YW-9-3

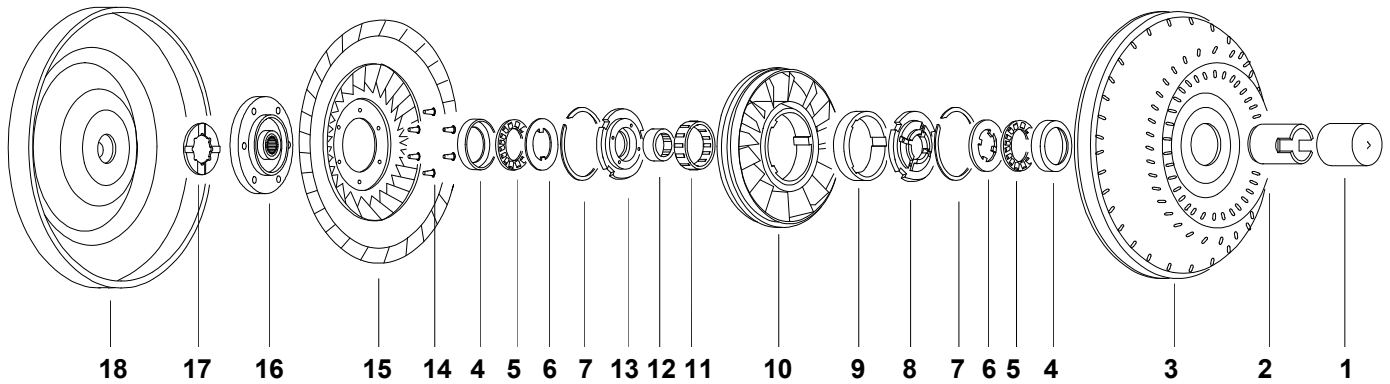
A-40/43/44D NON-LOCKUP, Overdrive

▷ DACCO #	TO-12, TO-21, TO-25
▷ ATC	TO25
▷ OTHER	67-25

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Green™, For 1.5" Dia. Hubs		MHC-G
2	Hub, Impeller	Flanged, Heat Treated Butt Mount, 1.5" Dia.		YH-1-77FLG YH-1-6G
3	Impeller			
4	Retainer	Bearing, Cupped, 2.43" O.D., 1.66" I.D., .030" Thick	2	YW-2-4*
5	Bearing	Heavy Duty, 60mm x 40mm x 3.2mm Alternate, 60mm x 40mm x 3mm	2	JW-2ND* JW-2N*
6	Washer, Steel	Universal, 2.3" O.D., 1.58" I.D., .08" Thick	2	YW-2*
7	Ring, Snap			
8	Cap, Stator	Rear, Aluminum, Bulletproof™ 3.09" O.D., 1.28" I.D., .50" Thick		YW-4-3
9	Stator			
10	Race, Outer			
11	Sprag	14 Cams (Cam Kit, MS-316-14K)		BC-6
12	Race, Inner	38 Spline		YX-14-3
13	Cap, Stator	Front, Aluminum, Bulletproof™ 3.09" O.D., 1.32" I.D., .55" Thick		YW-4-4
14	Rivet	.245" Shank Dia., .40" Long	6	YX-12L
15	Turbine	254mm		
16	Turbine Hub	26 Spline, 3.77" O.D. 26 Spline, 3.89" O.D.		YX-13-4HT YX-13-5HT
N.I.	Insert, Spline	26 Spline, 1.25" O.D., 1.10" High		YX-13-26
17	Washer, Turbine	Bronze, 2.56" O.D., 1.24" I.D., .08" Thick		YW-9-3
18	Cover, Front			

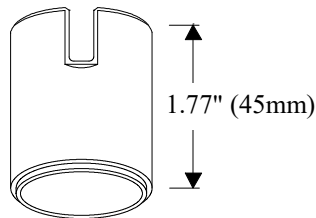
* Note: **YW-2-4** **JW-2ND** **YW-2** — Bearing and Race Kit **YW-2BK** or **YW-2-4** **JW-2ND** — Bearing **YW-2-16**, See Pages 17-20, 17-21

TOYOTA A-41/42DL NON-LOCKUP



ILL. # 2

IMPELLER HUB, 1.499" (38mm) DIA.

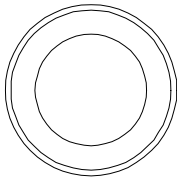


YH-1-3G

Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"-Hardness Rc 32-36

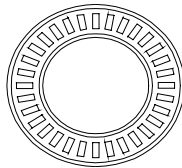
ILL. # 4, 5, 6 RETAINER, BEARING & STEEL WASHER

O.D. 2.43" (62mm)
I.D. 1.65" (42mm)
Thick. .030" (0.8mm)



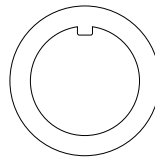
YW-2-4

O.D. 2.36" (60mm)
I.D. 1.57" (40mm)
Thick. .12" (3mm)



JW-2ND

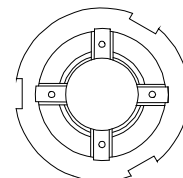
O.D. 2.30" (58mm)
I.D. 1.58" (40mm)
Thick. .08" (2mm)



YW-2

ILL. #8 & 13 STATOR CAP

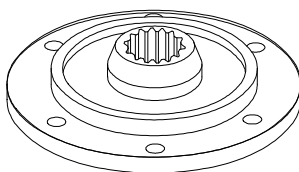
O.D. 3.09" (78.5mm)
I.D. 1.28" (32.5mm)
Thick. .41" (10.4mm)



YW-4-5

ILL. #16 TURBINE HUB

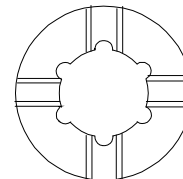
O.D. 3.70" (94mm)
26 Spline



YX-13-3HT

ILL. #17 TURBINE WASHER

O.D. 2.30" (58mm)
I.D. 1.19" (30mm)
Thick. .14" (3.6mm)



YW-9-2

A-41/42DL NON-LOCKUP

► DACCO # TO-20, TO-22, TO-31

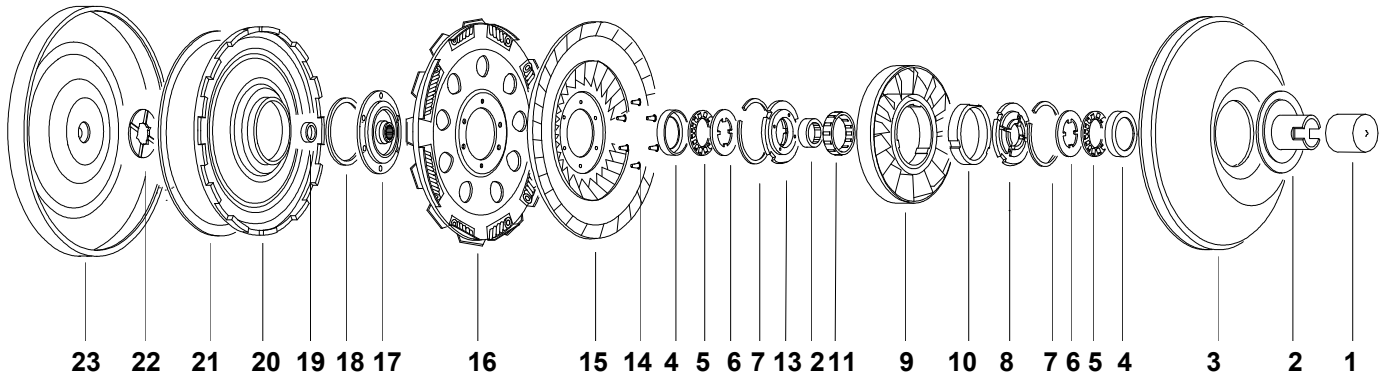
► ATC

► OTHER

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Green™, For 1.5" Dia. Hubs		MHC-G
2	Hub, Impeller	Butt Mount, 1..499" Dia.		YH-1-3G
3	Impeller			
4	*Retainer	Bearing, Cupped, 2.43" O.D., 1.66" I.D., .030" Thick	2	YW-2-4
5	*Bearing	Heavy Duty, 60mm x 40mm x 3.2mm, Replaces JW-2N	2	JW-2ND
		60mm x 40mm x 3mm	2	JW-2N
6	*Washer, Steel	Universal, 1 Tang Replaces 4 Tangs	2	YW-2
7	Cap, Stator	Rear, Alum., Bulletproof™, 2.68" O.D., 1.28" I.D., .37" Thick		YW-4-5
8	Ring, Snap			
9	Race, Outer			
10	Stator			
11	Sprag	14 Cams (Cam Kit, MS-316-14K)		BC-6
12	Race, Inner	38 Spline		YX-14-3
13	Cap, Stator	Front, Alum., Bulletproof™, 3.09" O.D., 1.28" I.D., .41" Thick		YW-4-5
14	Rivet	.245" Shank Dia., .40" Long	6	YX-12L
15	Turbine	254mm		
16	Turbine Hub	26 Spline		YX-13-3HT
	Insert, Spline	26 Spline		WX-13-26
17	Washer, Turbine	Bronze, 2.36" O.D., 1.19" I.D., .137" Thick		YW-9-2
18	Cover, Front			

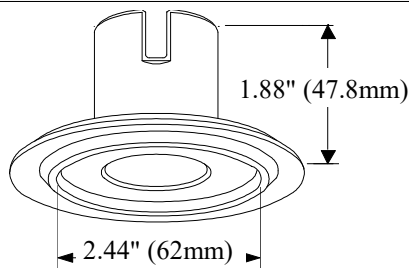
*Note: **YW-2-4**
JW-2ND
YW-2 } Bearing and Race Kit **YW-2BK**

A-42/43/44/45 DE/DL LOCKUP

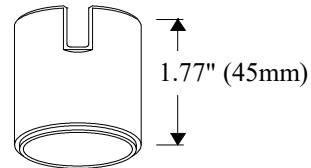


ILL. # 2

IMPELLER HUBS, 1.499" (38mm) DIA.



YH-1-66FLG

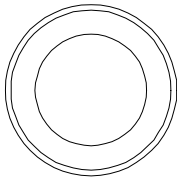


YH-1-3G

Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"-Hardness Rc 32-36

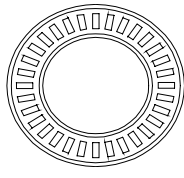
ILL. # 4, 5, 6 RETAINER, BEARING & STEEL WASHER

O.D. 2.43" (62mm)
I.D. 1.65" (42mm)
Thick. .030" (0.8mm)



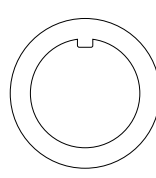
YW-2-4

O.D. 2.36" (60mm)
I.D. 1.57" (40mm)
Thick. .12" (3mm)



JW-2ND

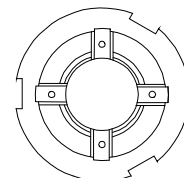
O.D. 2.30" (58mm)
I.D. 1.58" (40mm)
Thick. .08" (2mm)



YW-2

ILL. #8 & 13 STATOR CAP

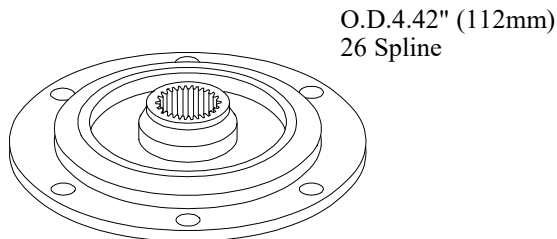
O.D. 3.09" (78.5mm)
I.D. 1.28" (32.5mm)
Thick. .41" (10.4mm)



YW-4-5

ILL. #17

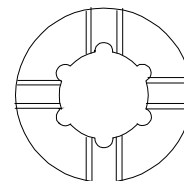
TURBINE HUB



YX-13-2HT

ILL. # 22 TURBINE WASHER

O.D. 2.30" (58mm)
I.D. 1.19" (30mm)
Thick. .14" (3.6mm)



YW-9-2

A-42/43/44/45 DE/DL LOCKUP

▷ DACCO # TO-17

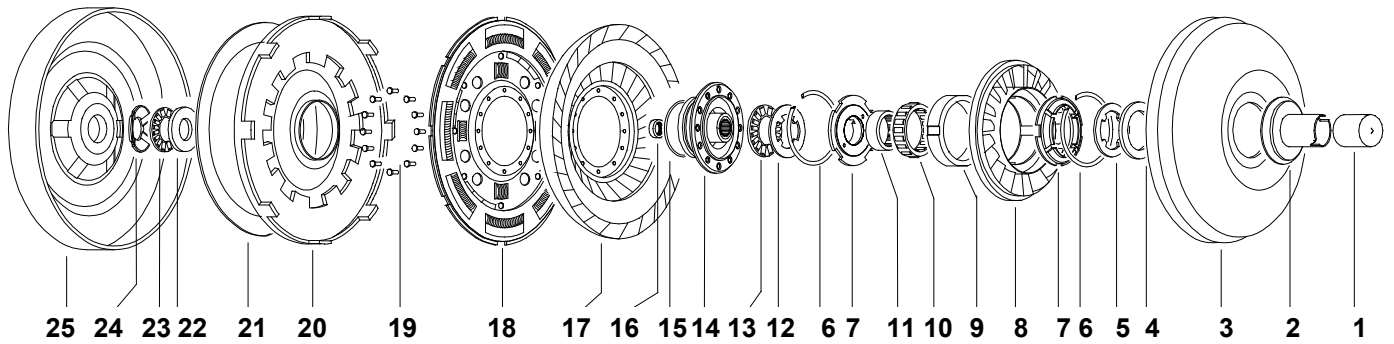
▷ ATC TO18A

▷ OTHER 67-17

ILL.#		DESCRIPTION	QTY	PART #
1	Hubcap®	Green™, For 1.50" Dia. Hubs		MHC-G
2	Hub, Impeller	Flanged, Heat Treated Butt Mount, 1.499" Dia.		YH-1-66FLG YH-1-3G
3	Impeller			
4	*Retainer	Bearing, Cupped, 2.43" O.D., 1.66" I.D., .030" Thick	2	YW-2-4
5	*Bearing	Heavy Duty, 60mm x 40mm x 3.2mm Alternate, 60mm x 40mm x 3mm	2 2	JW-2ND JW-2N
6	*Washer, Steel	Universal, 2.3" O.D., 1.58" I.D., .08" Thick	2	YW-2
7	Ring, Snap			
8	Cap, Stator	Rear, Aluminum, Bulletproof™		YW-4-5
9	Stator			
10	Race, Outer			
11	Sprag	14 Cams (Cam Kit, MS-316-14K)		BC-6
12	Race, Inner	38 Spline		YX-14-5
13	Cap, Stator	Front, Aluminum, Bulletproof™ 3.09" O.D., 1.28" I.D., .41" Thick		YW-4-5
14	Rivet	.245" Shank Dia., .30" Long	6	YX-12
15	Turbine	254mm		
16	Damper			
17	Turbine Hub	26 Spline		YX-13-2HT
18	Ring, Seal	68mm x 2.3, Teflon®, Scarf Cut		YO-25-1
19	Seal, Metal Clad	Hi Temperature, 23.6mm x 15mm, with spring		YO-25-2
		Hi Temperature, 23.6mm x 15mm		YO-25-12
		Hi Temperature, 23.5mm x 15.5mm		YO-25-11
20	Lockup Clutch	10-5/8" O.D., 4-5/16" I.D.		YX-23-6
21	Lining	10" O.D., 8-1/4" I.D., .045" Thick		YX-23-1K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
22	Washer, Turbine	Bronze, 2.36" O.D., 1.19" I.D., .137" Thick		YW-9-2
23	Cover, Front			
N.I.	Pad, Mounting	Threaded	6	YX-10
N.I.	Pilot			YX-17
N.I.	Bolt	Hex Head, M8 × 1.25	6	YX-10-1

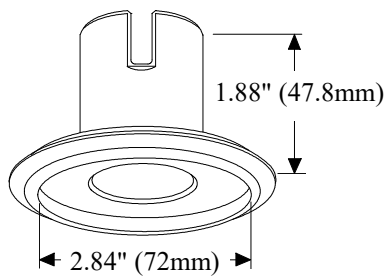
*Note: **YW-2-4**
JW-2ND
YW-2 } Bearing and Race Kit **YW-2BK**

TOYOTA A-440F, TO-34

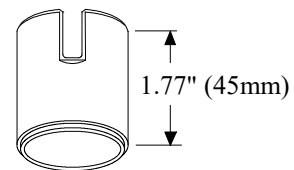


ILL. # 2

IMPELLER HUBS, 1.499" (38mm) DIA.



YH-1-13FLG

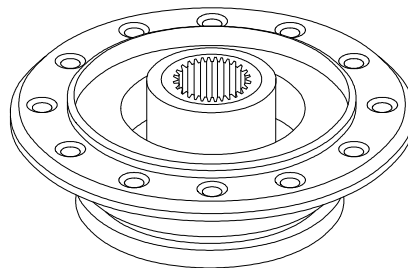


YH-1-3G

Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"-Hardness Rc 32-36

ILL. #14

TURBINE HUB



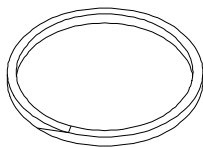
O.D. 4.05" (103mm)
20 Spline

YX-13-6HT

ILL. #15

SEAL RING

O.D. 68mm I.D. (63mm)
Thick. 0.09" (2.3mm)

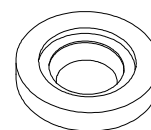


YO-25-1

ILL. #16

METAL CLAD SEAL

O.D. .98" (25mm)
I.D. .6" (15mm)
Thick. .2" (5mm)



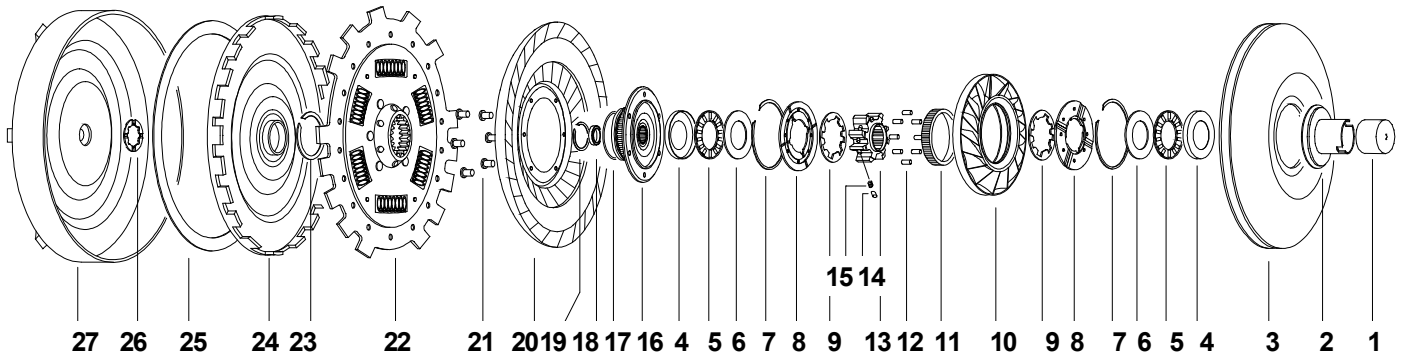
YO-25-5

TOYOTA A-440F, TO-34

▷ DACCO #	TO-34
▷ ATC	TO34
▷ OTHER	94-1

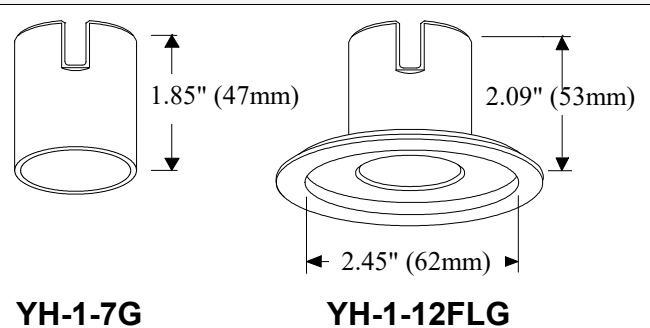
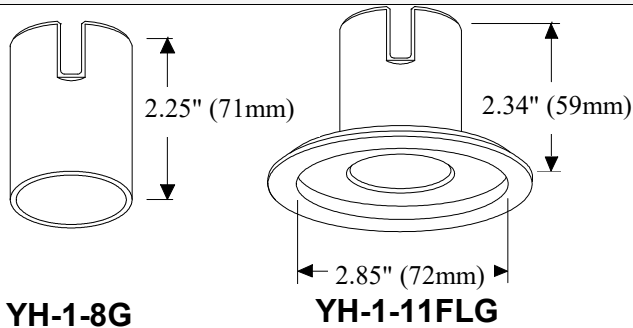
ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®			MHC-G
2	Hub, Impeller	Flanged, Heat Treated Butt Mount, 1.50" Dia.		YH-1-13FLG YH-1-3G
3	Impeller			
4	Bearing	2.68" O.D., 1.74" I.D., .15" Thick		YW-2-7
5	Race	Bearing, 4 Tangs		
6	Ring, Snap	3.55" O.D., .06" Thick		
7	Cap, Stator	Aluminum, 3.33 x 1.45 x .48	2	
8	Stator			
9	Race, Outer			
10	Sprag	22 Cams		
11	Race, Inner	1.85" O.D., .81" High, 41 Spline, (12 Removed)		
12	Race	2.55" O.D., 1.83" I.D., 4 Tangs		
13	Bearing	Semi-Enclosed, 2.68" O.D., 1.74" I.D., .15" Thick		
14	Turbine Hub	20 Spline		YX-13-6HT
15	Ring, Seal	68mm x 2.3, Teflon®, Scarf Cut		YO-25-1
16	Metal Clad Seal	15mm x 2.5mm		YO-25-5
17	Turbine			
18	Clutch			
19	Rivet	.245 Shank Dia., .40 Long	12	YX-12L
20	Lockup Clutch			YX-23-9
21	Lining	10-1/8" O.D., 8-5/8" I.D., .040" Thick		YX-23-11K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
22	Race	2.12" O.D., 1.26" I.D., .07" Thick		
23	Bearing	Semi-Enclosed, 2.05" O.D., 1.16" I.D., .077" Thick		
24	Retainer	2.19" O.D., 1.17" I.D., .03" Thick		
25	Cover, Front			
N.I.	Bolt	Hex Head, M9 × 1.25	6	YX-10-2

TOYOTA A440-L, TO-46, '87 Landcruiser



ILL. # 2

IMPELLER HUB, 1.653" (42mm) DIA.

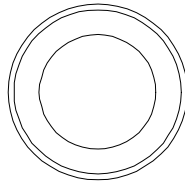


Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"-Hardness Rc 32-36

ILL. #4

RACE

O.D. 2.43" (62mm)
I.D. 1.65" (42mm)
Thick. .030" 0.8mm

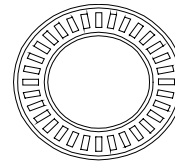


YW-2-4

ILL. #5

BEARING

O.D. 2.36" (60mm)
I.D. 1.57" (40mm)
Thick. .12" (3mm)

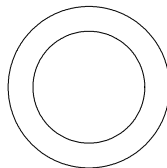


JW-2ND

ILL. #6

RACE

O.D. 2.28" (58mm)
I.D. 1.59" (40mm)
Thick. .14" (3.6mm)

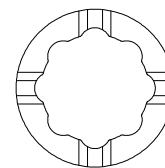


YW-2-6

ILL. #26

THRUST SPACER

O.D. 1.75" (44.5mm)
I.D. 1.19" (30.2mm)
Thick. .17" (4.3mm)



YW-9-5

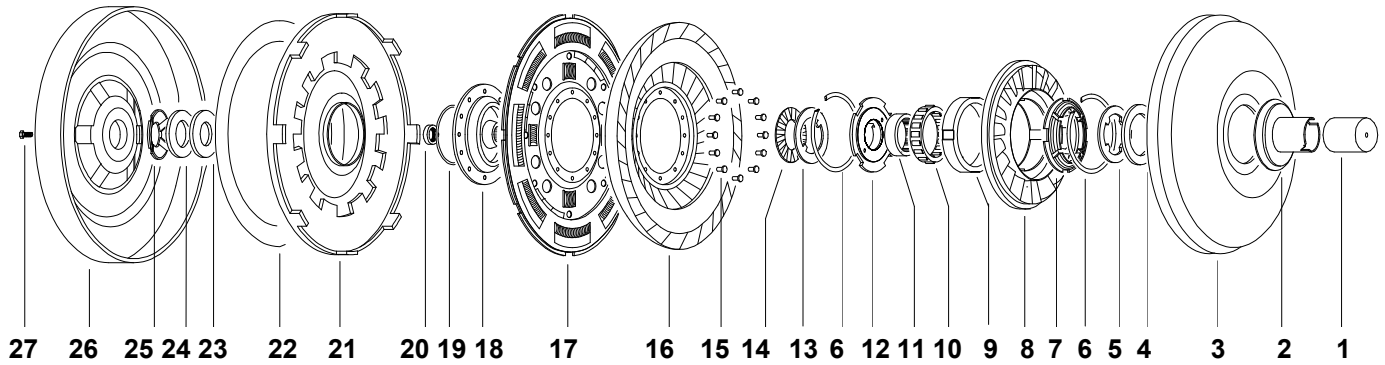
TOYOTA A440-L, TO-46, '87 Landcruiser

▷ DACCO #	TO-46
▷ ATC	TO46
▷ OTHER	94-2

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap®		MHC-B
2	Hub, Impeller		YH-1-8G
	Butt Mount, 1.652" Dia., For Landcruiser '88 & Up		YH-1-11FLG
	Flanged, Heat Treated, For Landcruiser '88 & Up		YH-1-7G
	Butt Mount, 1.652" Dia., For Landcruiser '92 & Up		YH-1-12FLG
	Flanged, Heat Treated, For Landcruiser '92 & Up		
3	Impeller		
4	Race	Thrust, Bearing, Cupped	2 YW-2-4*
5	Bearing	Heavy Duty, 60mm x 40mm x 3.2mm	2 JW-2ND*
	Alternate, 60mm x 40mm x 3mm		JW-2N*
6	Race	58mm x 40.4mm x 3.5mm	2 YW-2-6*
7	Ring, Snap		2
8	Cap, Stator	Bronze	2
9	Washer, Steel		8
10	Stator		2
11	Race, Outer		
12	Roller	10mm Dia x 17mm Long	
13	Cam, Stator	41 Tooth Internal Spline (12 Removed)	
14	Spring, Coil		8
15	Plunger		8
16	Turbine Hub	20 Spline	
17	O-Ring	45mm Dia.	FO-25-8
18	Seal, Metal Clad		YO-25-5
19	Ring, Snap		
20	Turbine		
21	Rivet	.245" Shank Dia., .300 Long	6 YX-12
22	Damper Assembly		
23	Ring, Snap		
24	Lockup Clutch		YX-23-14
25	Lining	10-3/8" O.D., 8-5/8" I.D., .040" Thick	YX-23-7K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan			
26	Spacer, Thrust	Bronze	YW-9-5
27	Cover, Front		
N.I.	Bolt	Hex Head, M8 × 1.25	6 YX-10-1

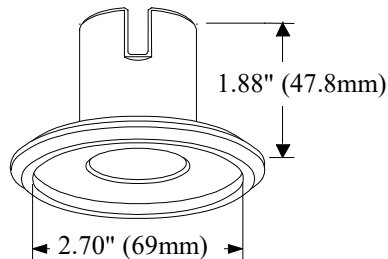
* Note: **YW-2-4** **JW-2ND** **YW-2-6** } Bearing and Race Kit **YW-2-3BK** or **YW-2-4** **JW-2ND** } Bearing **YW-2-16**, See Pages 17-20, 17-21

TOYOTA A340H, Hyundai, Mitsubibshi & Volvo Truck

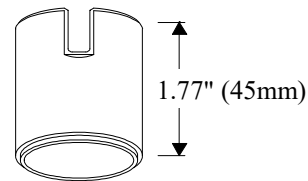


ILL. # 2

IMPELLER HUB, 1.499" (38mm) DIA.



YH-1-55FLG



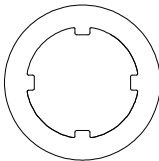
YH-1-3G

Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"- Hardness Rc 26-35

ILL. #5

RACE

O.D. 2.56" (65mm)
I.D. 1.84" (46.7mm)
Thick. .08" (2mm)

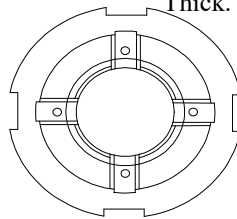


YW-2-8

ILL. #12

STATOR CAP

O.D. 3.34" (85mm)
I.D. 1.28" (32.5mm)
Thick. .40" (10mm)

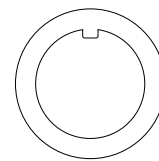


YW-4-7

ILL. #13

RACE

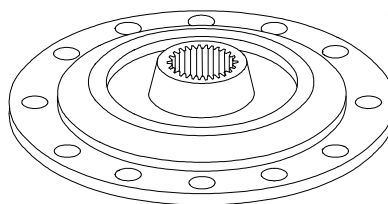
O.D. 2.30" (58mm)
I.D. 1.58" (40mm)
Thick. .08" (2mm)



YW-2

ILL. #18

TURBINE HUB



O.D. 4.41" (112mm)
26 Spline

YX-13-7HT

TOYOTA A340H, **Hyundai, Mitsubishi & Volvo Truck**

► DACCO # TO-28, TO-27, TO-34, TO-35, TO- 40

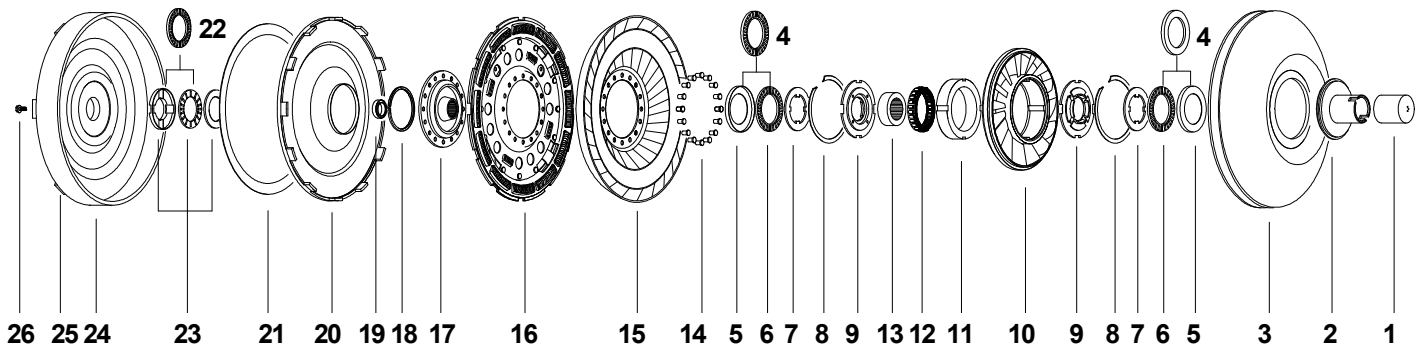
► ATC J30

► OTHER 97-3

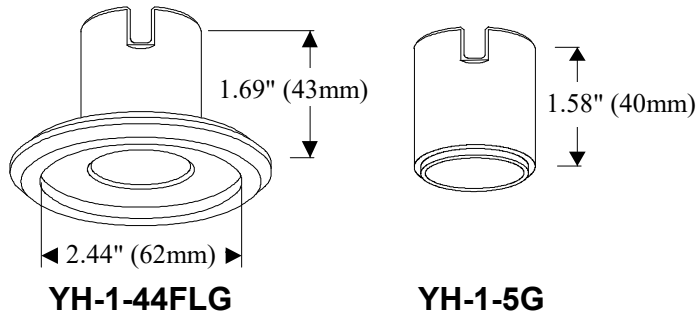
ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Green™, For 1.5" Dia. Hubs		MHC-G
2	Hub, Impeller	Flanged, Heat Treated Butt Mount, 1.50" Dia.		YH-1-55FLG YH-1-3G
3	Impeller			
4	Bearing	Partially Enclosed, 2.68" O.D., 1.89" I. D., .15" Thick Alternate, Use with Selective Shim TW-2-110/120/130, (Machine Hub to Accept TW-2-4 Bearing)		YW-2-10 TW-2-4
5	Race, Bearing	2.56" O.D., 1.84" I.D., .08" Thick , 4 Lugs 2.56" O.D., 1.84" I.D., .08" Thick , 1 Lug		YW-2-8 YW-2-5
6	Ring, Snap		2	
7	Cap, Stator			
8	Stator			
9	Race, Outer			
10	Sprag			
11	Race, Inner			
12	Cap, Stator			YW-4-7
13	Race, Bearing	2.30" O.D., 1.58" I.D., .08" Thick		YW-2
14	Bearing	Partially Enclosed, 62×42×3.75 mm		YW-2-9
15	Rivet		12	YX-12
16	Turbine	254mm		
17	Damper			
18	Turbine Hub	26 Spline		YX-13-7HT
19	Ring, Seal	68mm x 2.3, Teflon®, Scarf Cut		YO-25-1
20	Seal, Metal Clad	23.6mm x 15mm With spring 23.6mm x 15mm		YO-25-2 YO-25-12
21	Lockup Clutch			YX-23-13
22	Lining, Cover	10 1/8" O.D., 8-1/4" I.D., .045" Thick		YX-23-8K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
23	*Race, Bearing			
24	*Bearing			
25	*Retainer, Race			
26	Cover, Front			
27	Bolt	Hex Head, M9 × 1.25	4	YX-10-2

- * - Bearing & Race Kit YW-9-4K
- Alternate: Phenolic Washer YW-9-4B,
- Alternate: YW-9-6 Bearing & YW-9-7 Race, See Pages 17-20, 17-21

TOYOTA A540E

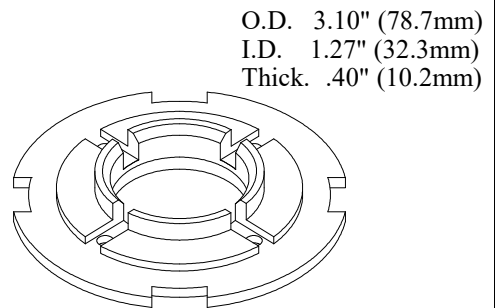


ILL. # 2 IMPELLER HUBS 1.499" (38mm) DIA.



Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"- Hardness Rc 32-36

ILL. # 9 STATOR CAP

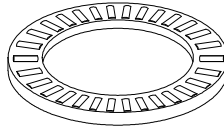


YW-4-13

ILL. # 4, 5, 6, 7 RETAINER, BEARING & STEEL WASHER

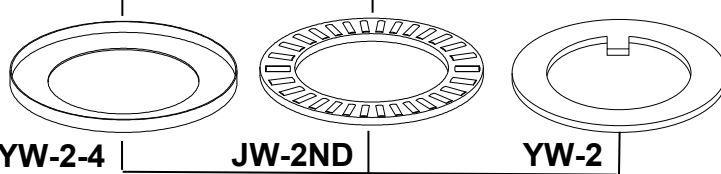
YW-2-16

O.D. 2.43"
I.D. 1.66"
Thick. .03"



O.D. 2.36"
I.D. 1.57"
Thick. .12"

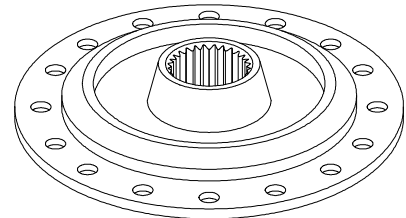
O.D. 2.30"
I.D. 1.58"
Thick. .08"



YW-2BK

ILL. #17 TURBINE HUB

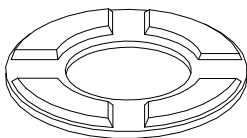
O.D. 4.09"
26 Spline



YX-13-8HT

ILL. #23 TURBINE WASHER

O.D. 2.29" (58mm)
I.D. 1.11" (28mm)
Thick. .24" (6mm)



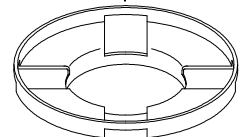
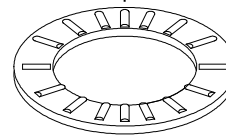
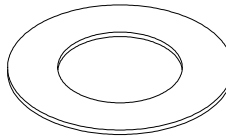
YW-9-4B
Phenolic

ILL. # 22, 23 RETAINER, BEARING & STEEL WASHER

YW-9-6

O.D. 2.12"
I.D. 1.26"
Thick. .075"

YW-9-7



YW-9-4K

TOYOTA A540E

► DACCO # TO-42, TO-42L/S

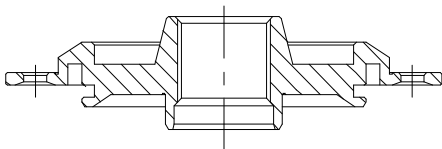
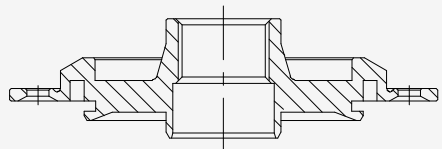
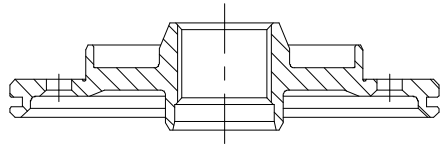
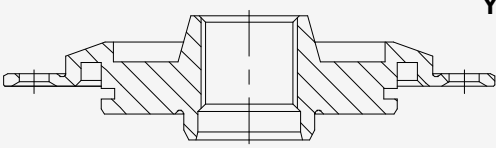
ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Green™, For 1-1/2" Dia. Hubs		MHC-G
2	Hub, Impeller	1.499" Dia., Flanged 1.499" Dia., Butt Mount		YH-1-44FLG YH-1-5GRC
3	Impeller			
4	Bearing	Semi-Enclosed, Replaces YW-2-4, JW-2ND 61.88mm O.D., 38.00mm I.D., .15mm Thick.	2	YW-2-16
5	Retainer	Bearing, Cupped 61.7mm x 42.2mm x .8mm	2	YW-2-4*
6	Bearing	60mm x 40mm x 3mm	2	JW-2ND*
7	Washer, Steel	Universal, 1 Tang Replaces 4 Tangs	2	YW-2*
8	Ring, Snap		2	
9	Cap, Stator	Aluminum, 3.10" O.D., 1.27" I.D., .40" Thick.	2	YW-4-13
10	Stator			
11	Race Outer			
12	Sprag	18 Cams (Cam Kit, MS-316-18K)		YC-6-1
13	Race, Inner	38 Spline, 1.625" O.D., .795" High		
14	Rivet		16	JX-12S
15	Turbine			
16	Damper, Assembly			
17	Turbine Hub	26 Spline, 4.09" O.D., Heat Treated		YX-13-8HT
18	Ring, Seal	68mm x 2.3mm, Teflon®, Scarf Cat		YO-25-1
19	Seal, Metal Clad	23.5mm x 15mm with spring		YO-25-2
		23.5mm x 15mm		YO-25-12
20	Lockup Clutch			
21	Lining	9-9/32" O.D., 7-7/8" I.D., .045" Thick		JX-23-8K
<i>- Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
22	Bearing	Semi-Enclosed, 52.00mm O.D., 28.25mm I.D., 2.8mm Thick. Replaces Bearing & Race		YW-9-6**
23	Bearing & Race Kit			YW-9-4K**
	Race	Bearing, 54.00mm O.D., 32.00mm I.D., 1.90mm Thick		YW-9-4B
	Washer, Turbine	Replaces YW-9-4K, Phenolic, 58mm O.D., 28mm I.D., 6mm Thick		YW-9-7**
24	Cover, Front			
25	Boss, Mounting	M8x1.25	6	YX-10
26	Bolt	Hex Head, M8 x 1.25, 12mm Long	6	YX-10-1

* Note: YW-2-4 Retainer
JW-2ND Bearing
YW-2 Race

— Bearing and Race Kit YW-2BK

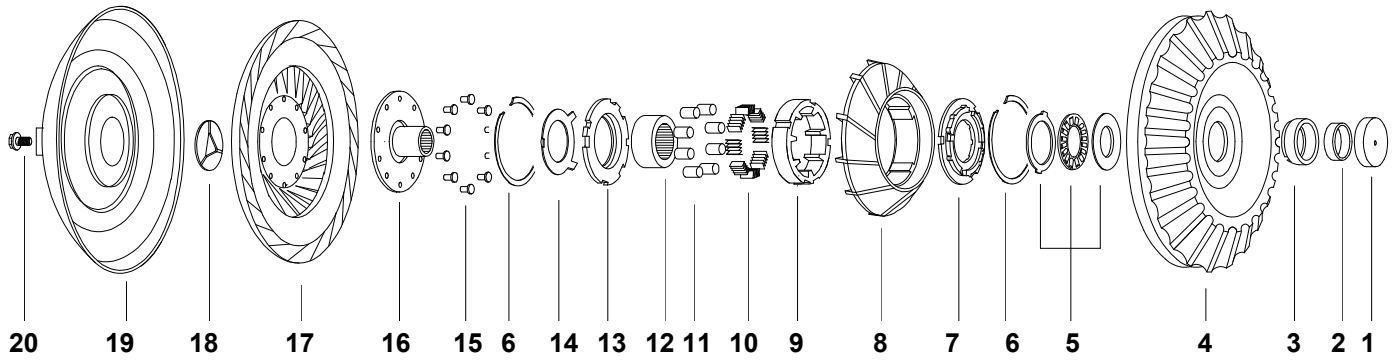
** Note: YW-9-6 Bearing & YW-9-7 Race Replace YW-9-4K Kit.

TOYOTA, Parts Not Cataloged Elsewhere

APPLICATION	DESCRIPTIO	DIMENSIONS	ILLUSTRATION	PART #
TURBINE HUBS				
For Toyota A-540E , TO-42 Camry, Mitsubishi, Magnum	26 Spline 16 Rivet Holes	4.09" (25.5mm) O.D. 1.025" (1.0mm) High		YX-13-8HT
For Mitsubishi MF 1999-2000	20 Spline 16 Rivet Holes (Use YO-25-6 Metal Clad Seal)	4.09" (104mm) O.D. 1.135" (28.8mm) High		YX-13-9HT
For Toyota Corola 2001	26 Spline 12 Rivet Holes	4.09" (104mm) O.D. 1.00" (25.4mm) High		YX-13-10HT
For KIA Carnival	26 Spline 12 Rivet Holes	4.41" (112mm) O.D. 1.115" (28mm) High		YX-13-11HT

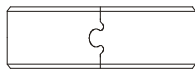
VOLKSWAGEN

VOLKSWAGEN 010



ILL.# 2 BUSHING

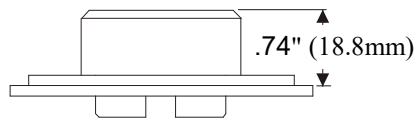
O.D. 1.46" (37mm)
I.D. 1.34" (34mm)
Height .47" (12mm)



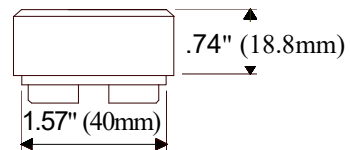
VB-18

ILL.# 3

IMPELLER HUB, 1.653" (42mm) DIA.



VH-1FLG



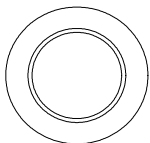
VH-1G

Suffix Code: No Suffix - Unfinished,

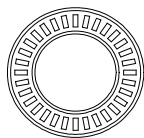
ILL.# 5

BEARING KIT

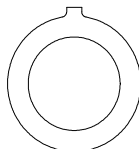
O.D. 2.35" (60mm) O.D. 2.36" (60mm) O.D. 2.48" (63mm)
I.D. 1.75" (44mm) I.D. 1.57" (40mm) I.D. 1.71" (43mm)
Thick. .04" (1.0mm) Thick. .12" (3.0mm) Thick. .04" (1.0mm)



FW-2-3



JW-2N/ND



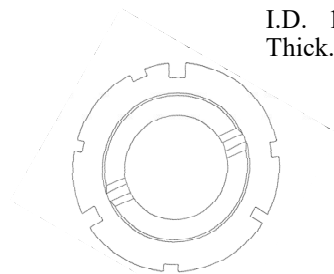
FW-2-4

FW-2BK

ILL.# 7, 13

STATOR CAP

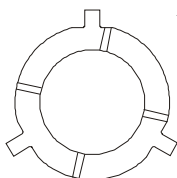
O.D. 3.15" (80mm)
I.D. 1.56" (40mm)
Thick. .24" (6.1mm)



VW-4AB

ILL.# 14

BRONZE WASHER

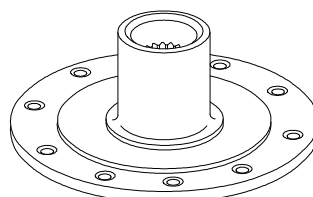


O.D. 2.56" (65mm)
I.D. 1.75" (44mm)

VW-3, .05" (1.3mm) Thick
VW-3-080, .08" (2mm) Thick

ILL.# 16

TURBINE HUB

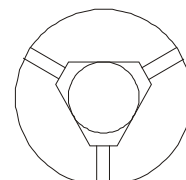


O.D. 3.03" (77mm)
Height 1.41" (35.8mm)
26 Spline

VX-13HT

ILL.# 18

WASHER



O.D. 1.74" (44.2mm)
I.D. .65" (16.5mm)
Thick. .08" (2.0mm)

VW-9-3

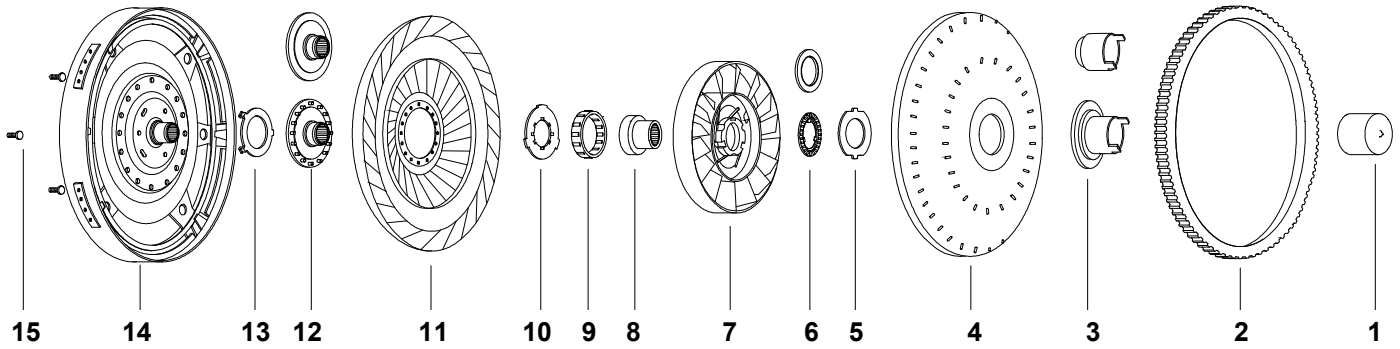
VOLKSWAGEN 010

▷ DACCO #	VW-4, VW-5, VW-6
▷ ATC	VW13, VW15, VW16
▷ OTHER	79-1G, 1K, 79-2, 79-3

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®			MHC-B
2	Bushing, Hub	1.46" O.D., 1.34" I.D., .472" High		VB-18
3	Hub, Impeller	Butt Style, 1.653 Dia. Flanged		VH-1G VH-1FLG
N.I.	Ring Gear	130 Teeth		RG-130V
4	Impeller			
N.I.	Shim	2.50" O.D., 1.58" I.D., .010" Thick		VW-2-10
N.I.	Washer, Steel			VW-2
N.I.	Washer	Bronze, 3 Tangs, 2.56" O.D., 1.75" I.D., .05" Thick		VW-3
5	Kit, Bearing	Includes FW-2-3, JW-2ND & FW-2-4		FW-2BKHD
		Includes FW-2-3, JW-2N & FW-2-4		FW-2BK
6	Ring, Snap		2	
7	Cap, Stator	3.150" O.D., 1.562" I.D., .24" Thick		VW-4AB
8	Stator			VX-5
9	Cam			
10	Spring, Accordion	.440" Wide	7	VS-6
11	Roller	.432" Long, .31 Dia.	7	VR-7
12	Race, Inner	41 Spline		VX-14
13	Cap, Stator	3.150" O.D., 1.562" I.D., .24" Thick		VW-4AB
14	Washer	Bronze, 3 Lugs, 2.56" O.D., 1.75" I.D., .05" Thick		VW-3
15	Rivet	.158" Shank Dia., .316" Long	10	VX-12
16	Turbine Hub	26 Spline		VX-13HT
17	Turbine	243mm Dia.		
18	Washer	Bronze, 1.74" O.D., .65" I.D., .08" Thick		VW-9
N.I.	Insert, Spline	Pump Drive, 12 Spline		VX-23
19	Cover, Front			
N.I.	Pilot	Unfinished		FX-17-30
20	Bolt			

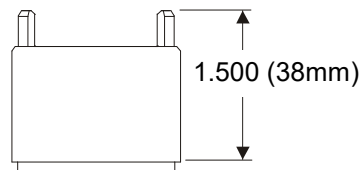
VOLKSWAGEN 095, 096

Passat



ILL. # 3

IMPELLER HUB, 2.006" (51mm) DIA.

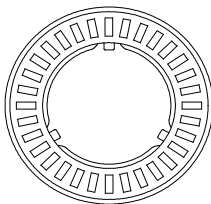


VH-1-3GRC

Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. # 6

BEARING

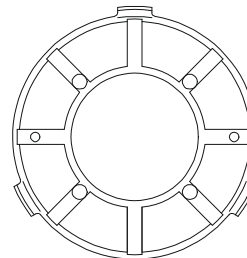


O.D. 2.82" (71.6mm)
I.D. 1.90" (48.3mm)
Thick. .15" (3.81mm)

Replaced by **TW-2-4**

ILL. # 10

STATOR CAP

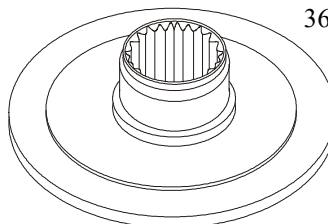


O.D. 3.15" (80.0mm)
I.D. 1.64" (41.7mm)
Thick. .15" (3.8mm)

VW-4-5

ILL. # 12

TURBINE HUB



O.D. 3.97" (100.8mm)
Height .86" (21.8mm)
36 Spline

VX-13-3HT

VOLKSWAGEN 095, 096

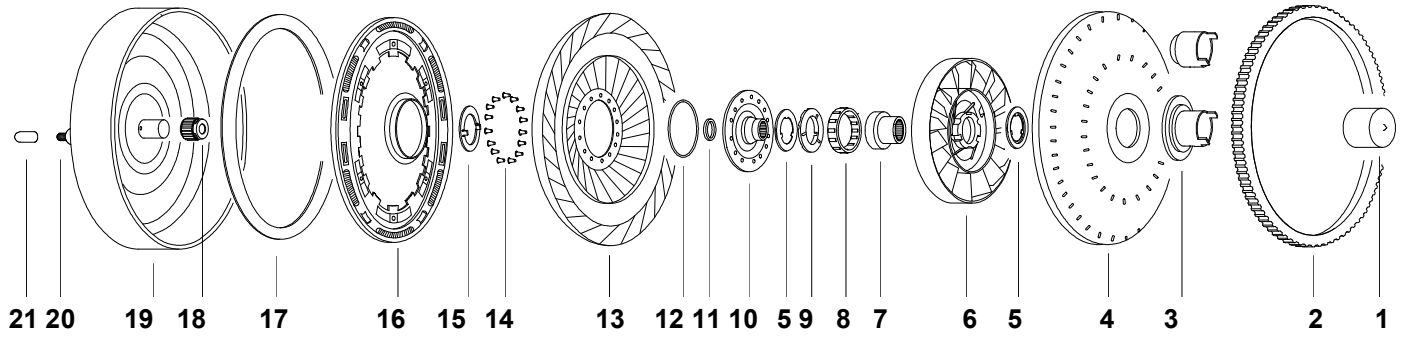
Passat

▷ DACCO #	RE-8
▷ ATC	VW17
▷ OTHER	71-3

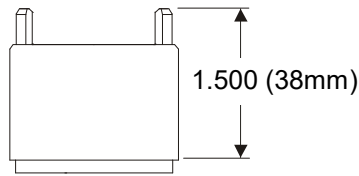
ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Red ™, For 2" Dia. Hubs		MHC-R
2	Ring Gear	125 Teeth, .320 Thick		RG-125V
3	Hub, Impeller	Butt Style Flanged		VH-1-3GRC
4	Impeller			
5	Plate			
6	Bearing, Needle	Enclosed, 2.82" O.D., 1.90" I.D., .78" Thick, With 3 Tangs, Use TW-2-4		TW-2-4
7	Stator			
8	Race, Inner	1.96" O.D., 1.35" I.D., 1.10" Long, 44 Spline		
9	Sprag	1.957 Inner Race O.D.; 2.613 Outer Race I.D., 0.530 thickness Wide, 22 Cams		VC-6-1
10	Cap, Stator	3.15" O.D., 1.64" I.D., .15" Thick, Heavy Duty		VW-4-5
11	Turbine			
12	Turbine Hub	Weld-In, 36 Spline 36 Spline, Rivet Type		VX-13-3HT*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
13	Washer			
14	Cover Assembly	With 24 Spline Damper		
15	Stud	M10 x 1, 16mm Long	3	FX-10-9

VOLKSWAGEN 097, 098

Passat



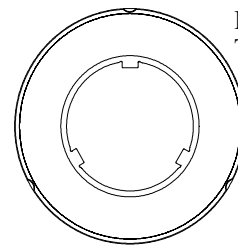
ILL. # 3 IMPELLER HUB, 2.006" (51mm) DIA.



VH-1-3GRC

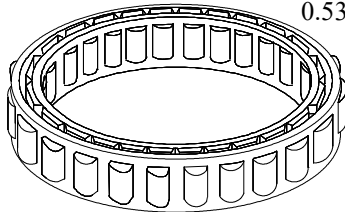
*Suffix Code: No Suffix - Unfinished,
"G" - Finish Ground, "RC" - Hardness Rc 32-36*

ILL. # 5 BEARING



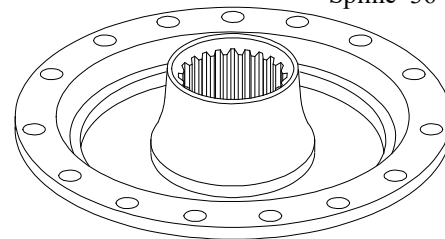
Replaced by **TW-2-4**

ILL. # 8 SPRAG



VC-6-1

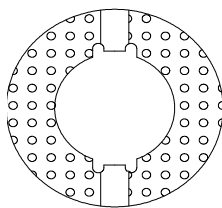
ILL. # 10 TURBINE HUB



VX-13-4HT

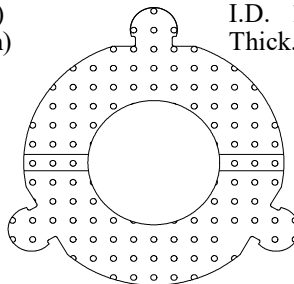
ILL. # 15 TURBINE WASHERS, BRONZE

O.D. 2.28" (58mm)
I.D. 1.26" (32mm)
Thick. .05" (1.3mm)



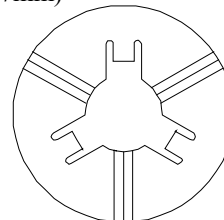
VW-9-5

O.D. 2.58" (65.5mm)
I.D. 1.31" 33.3mm)
Thick. .05" (1.27mm)



VW-9-7

O.D. 2.36" (60mm)
I.D. .83" (21mm)



FW-9-16 A Thru F

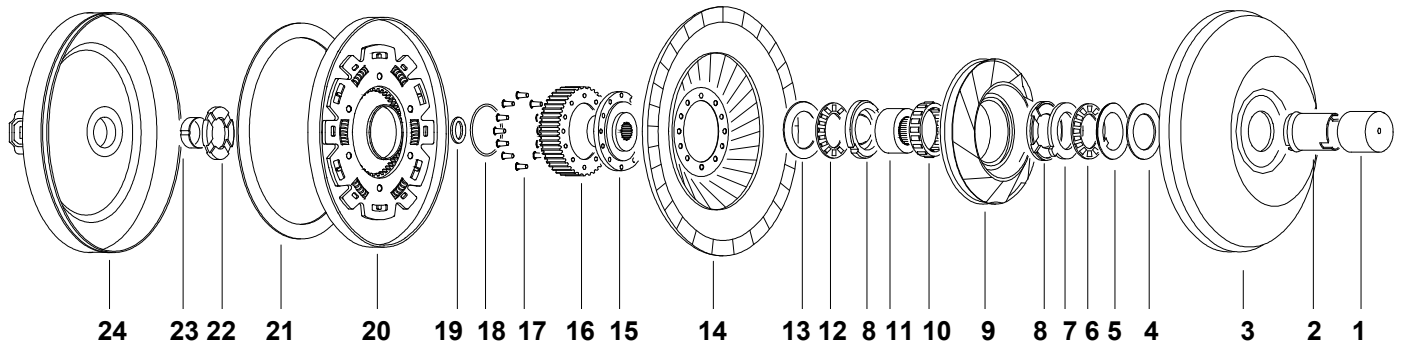
VOLKSWAGEN 097, 098

Passat

▷ DACCO #	RE-10
▷ ATC	VW20
▷ OTHER	119-1,119-2

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Red TM , For 2" Dia. Hubs		MHC-R
2	Ring Gear 125 Teeth , .400 Thick		RG-125VL
3	Hub, Impeller Butt Style Flanged		VH-1 3GRC
4	Impeller		
5	Bearing Enclosed, With 3 Tangs, Replaced By TW-2-4	2	
6	Stator		
7	Race, Inner 1.96" O.D., 1.35" I.D., 1.10" High, 44 Spline		
8	Sprag 1.957 Inner Race O.D.; 2.613 Outer Race I.D., 0.530 thickness, 22 Cam.		VC-6-1
9	Cap, Stator		
10	Turbine Hub 36 Spline, Will Accommodate All Washers Ill.#15		VX-13-4HT
11	Seal, Metal Clad 32mm O.D., 26mm I.D., 4.1mm Thick		VO-25-2
12	O-Ring 88mm x 2.6mm		VO-25-1
13	Turbine		
14	Rivet	15	
15	Washer, Turbine OE Style, 2 Lugs		VW-9-5
	OE Style, 3 Lugs		VW-9-7
	Washer, Selective Mill Slots In Turbine Hub To Accept Washer		
	.062" Thick		FW-9-16A
	.070" Thick		FW-9-16B
	.081" Thick		FW-9-16C
	.088" Thick		FW-9-16D
	.098" Thick		FW-9-16E
	.108" Thick		FW-9-16F
16	Lockup Clutch		VX-23-1
17	Lining 9 1/2" O.D., 8 1/2" I.D., .045" Thick		NX-23-2K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan			
18	Bearing Needle, 22mm O.D.		VB-18-2
19	Cover, Front		
20	Stud M10 x 1, 16mm Long		FX-10-9
21	Studcap Red		MHC-STD

ZF BMW (BABY, 318), 254mm , BM-12



ILL. # 2 IMPELLER HUB, 1.574" (40mm) DIA.

PH-1-8GRC

Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"- Hardness Rc 32-36

ILL #4 SHIMS

O.D. 2.50" (63.5mm)
I.D. 1.56" (39.6mm)

VW-2-10
Thick. .010"
(0.3mm)

VW-2-20
Thick. .020"
(0.5mm)

VW-2-30
Thick. .030"
(0.8mm)

ILL #5,6,7 BEARING AND RACES

ILL #5,6,7	ILL #5,6,7	ILL #5,6,7
O.D. 2.35" (59.7mm) I.D. 1.59" (40.4mm) Thick. .04" (1.0mm)	O.D. 2.36" (60mm) I.D. 1.57" (40mm) Thick. .12" (3.0mm)	O.D. 2.42" (61.5mm) I.D. 1.70" (43.2mm) Thick. .08" (.08mm)
PW-2-4	JW-2ND	PW-2-3

ILL #8 STATOR CAP

O.D. 2.79" (70.9mm)
I.D. 1.43" (36.3mm)
Thick. .33" (8.4mm)

PW-4-6

ILL #15 TURBINE HUB

O.D. 3.34" (84.8mm)
27 Spline

PX-13-5HT

ILL #22 TURBINE WASHERS

O.D. 2.30" (58.4mm)
I.D. 1.26" (32.0mm)

PW-9-3D
Thick. .225"
(5.7mm)

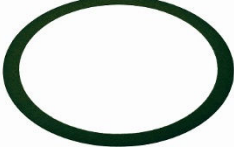
PW-9-3E
Thick. .236"
(6.0mm)

PW-9-3F
Thick. .248"
(6.3mm)

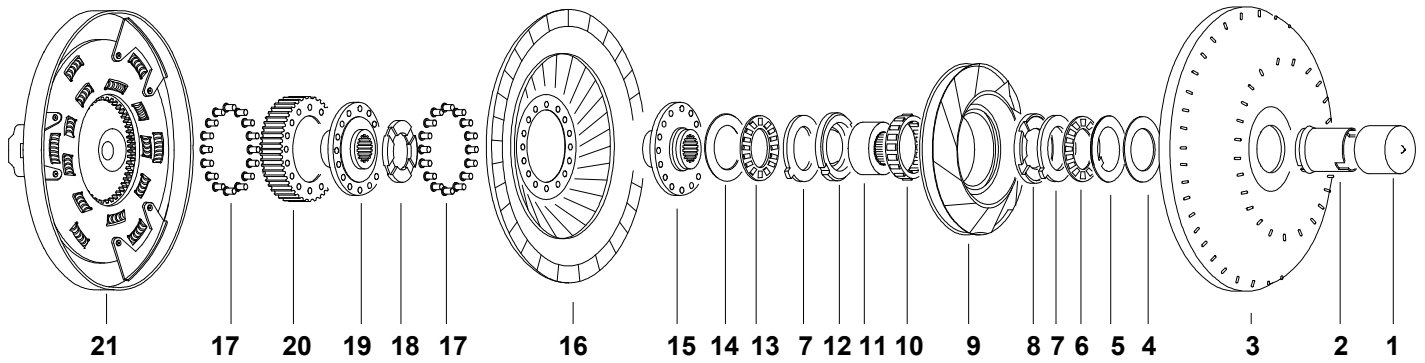
ZF BMW (BABY, 318), 254mm, BM-12

ILL.#		DESCRIPTION	QTY	PART #
1	Hubcap®	Green™, For 1-1/2" Dia. Hubs		MHC-G
2	Hub, Impeller	Hardened (Modified To Fit PW-2-4)		PH-1-8GRC
3	Impeller			
4	Shim, Selective	2.50" O.D., 1.56" I.D., .010" Thick		VW-2-10
		.020" Thick		VW-2-20
		.030" Thick		VW-2-30
5	Race, Steel	2.35" O.D., 1.59" I.D., 0.04" Thick, With Lug		PW-2-4
6	Bearing, Needle	40mm x 60mm x 3.2mm, Heavy Duty		JW-2ND
		40mm x 60mm x 3mm		JW-2N
7	Race, Steel	With Tang		PW-2-3
8	Cap, Stator	Rear, Aluminum, 2.79" O.D., 1.43" I.D., .33" Thick	2	PW-4-6
9	Stator			
10	Sprag	Assembly		BC-6
		Cam Repair Kit, 22 Cams		MS-316-14K
11	Race, Inner	3.34" O.D., 0.78" High		YX-14-5
12	Bearing	2.36" O.D., 1.58" I.D., .11" Thick		VW-2-3
13	Race, Steel	2.41" O.D., 1.70" I.D., .03" Thick		JW-2-5TT
14	Turbine			
15	Turbine Hub	27 Spline		PX-13-5HT
N.I.	Insert, Spline	1.31" O.D., 0.95" High, 27 Spline		PX-13-27
	EZ-WELD™	1.25" O.D., 1.38" High, 27 Spline, With Seal Bore		PX-13-27L
16	Gear, Cup	48 Spline		
17	Rivet	.168" Shank Dia., .0370" Long	12	PX-12
18	Seal	Polyacrylic, Square Cut, 60mm x 2.4mm		PO-25
		Oversize, 60mm O.D. To Salvage Clutch Plates		PO-25X
		PTFE Replacement, Scarf Cut		PO-25T
19	Seal, Metal Clad	18mm x 24mm		PO-25-6
20	Lockup Clutch	Lined, 235mm Dia.		PX-26-2
21	Lining	8-3/4" x 7-3/4" x .045"		NX-23-1K*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
22	Washer, Turbine	Phenolic, Selective 2.30" O.D., 1.26" I.D., .225" Thick		PW-9-3D
		.236" Thick		PW-9-3E
		.248" Thick		PW-9-3F
23	Bushing, Cover	.67" O.D., .56" I.D., .40" High		PB-18
24	Cover, Front			

ZF4HP16

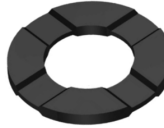
	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Green	For Hubs Dia.: 1-1/2"/ 38.1mm		MHC-G
Hub, Impeller	Flanged, 2 slots, Heat Treated	Flange O.D.: 2.705"/ 68.7mm Journal Dia.: 1.575"/ 40.0mm Assembled Height: 1.801"/ 45.7mm Height: 2.008"/ 51.0mm		PH-1-19FLG
Bearing	Material: Hardened Steel, Enclosed	O.D.: 2.430"/ 61.7mm Race O.D.: 2.51"/ 63.8mm I.D.: 1.510"/ 38.4mm Thick.: 0.188"/ 4.8mm		PW-2-10HD
Stator Cap	Material: Aluminum	O.D. 2.795"/70.9mm I.D. 1.630"/ 41.4mm Thick. 0.386"/ 9.8mm		PW-4-13
O-Ring	Material: Fluorocarbon	I.D. 3.237"/ 82.2mm Thick. .103"/ 2.6mm		TO-25-25
Metal Clad Seal	Material: Fluorocarbon & Steel	Housing: .827"/21.0mm Shaft Dia: .583"/ 14.8mm		PO-25-9
Lining	Material: KEVLAR®	O.D.: 9.875"/ 250.8mm I.D.: 8.750"/ 271.0mm Thick.: .045"/ 1.1mm		JX-23-22K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				

ZF4HP18

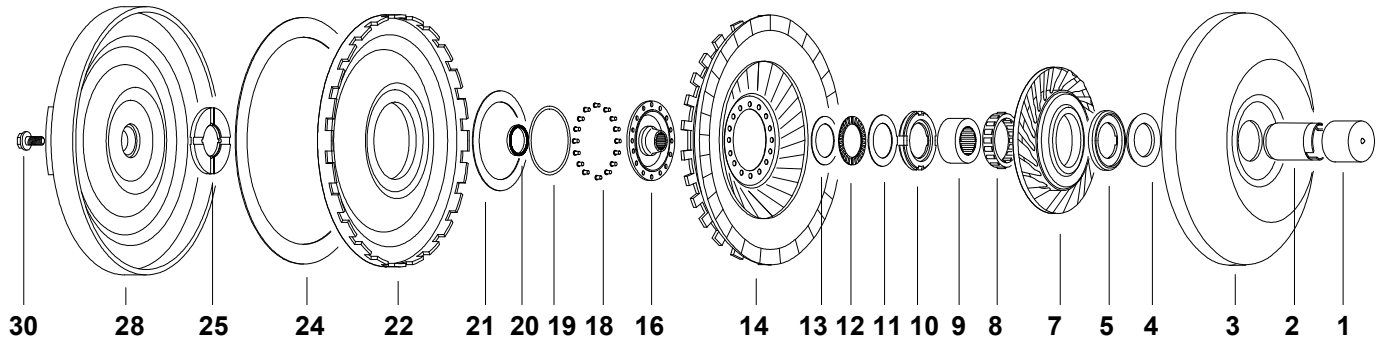


		DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
1.	Hubcap®	Material: Plastic Color: Blue	For Hub Dia.: 1-3/4"/ 44.5mm		MHC-BU
2.	Hub, Impeller	Hub Mount: Thru, Hardness: Rc 32-36. Hardened Steel	Journal Dia.: 1.772"/ 45.0mm Assembled Height: 1.746"/ 44.3mm		PH-1-7GRC
4.	Shim	Material: Steel Impeller Side	O.D.: 2.500"/ 63.5mm I.D.: 1.575"/ 40.0mm Thick.: 0.030"/ 0.8mm		VW-2-30
4.	Shim	Material: Steel Impeller Side	O.D.: 2.500"/ 63.5mm I.D.: 1.575"/ 40.0mm Thick.: 0.020"/ 0.5mm		VW-2-20
4.	Shim	Material: Steel Impeller Side	O.D.: 2.500"/ 63.5mm I.D.: 1.575"/ 40.0mm Thick.: 0.010"/ 0.3mm		VW-2-10
5.	Bearing Race	Material: Hardened Steel Impeller Side	O.D.: 2.350"/ 59.7mm I.D.: 1.585"/ 40.3mm Thick.: .039"/ 1.0mm 1 Lug		PW-2-4
6.	Bearing	Material: Hardened Steel Bearing Type: Exposed Impeller Side	O.D.: 2.362"/ 59.94mm I.D.: 1.575"/ 39.88mm Thick.: .125"/ 3.18mm		JW-2ND
7.	Bearing Race	Material: Hardened Steel Turbine & Impeller Sides	O.D.: 2.425"/ 61.6mm I.D.: 1.695"/ 43.1mm Thick.: .079"/ 2.0mm 1 Tang		PW-2-3

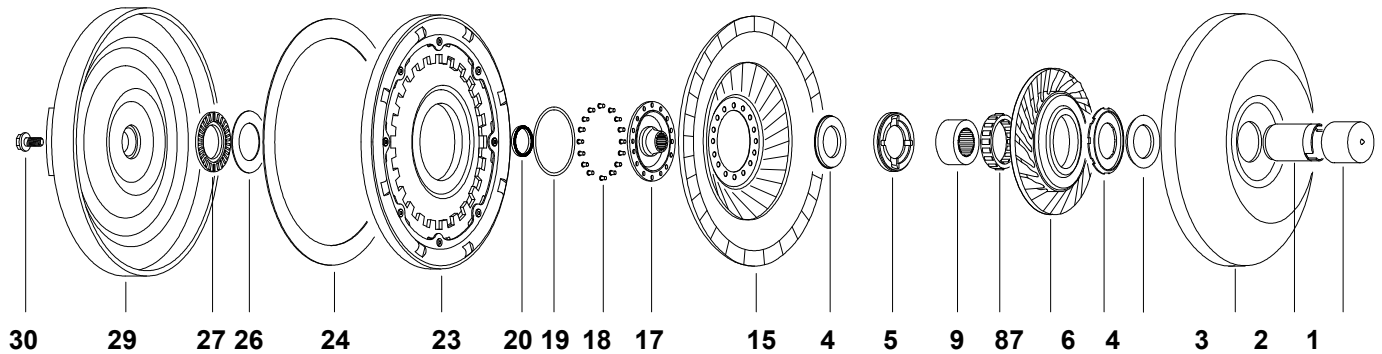
ZF4HP18 Continued

		DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
8.	Stator Cap	Material: Aluminum	O.D.: 2.79"/ 70.9mm I.D.: 1.64"/ 41.7mm Thick.: .36"/ 9.1mm		PW-4-1
10	Sprag	Sprag, 22 Cams	1.957/49.7mm In.Race O.D. 2.613/66.4mm Out.Race I.D. 0.530/13.5mm Thickness		VC-6-1
10	Sprag	Cam Kit (Sprag Element),			MF-295-22K
12	Stator Cap	Material: Aluminum	O.D.: 2.79"/ 70.9mm I.D.: 1.66"/ 42.2mm Thick.: .34"/ 8.6mm		PW-4-10
14	Bearing Race	Material: Hardened Steel Turbine Side	O.D.: 2.346"/ 59.6mm I.D.: 1.585"/ 40.3mm Thick.: .042"/ 1.0mm		JW-2-5T
17	Rivet	Rivet Solid 16 Required, 2 Places	Shank Dia.:0.168"/4.3mm Head Dia.: 0.300"/7.6mm Length: 0.500"/12.7mm		PX-12L
17	Rivet	Optional. Rivet Solid 16 Required, 2 Places	Shank Dia.:0.168"/4.3mm Head Dia.: 0.300"/7.6mm Length: 0.370"/9.4mm		PX-12
18.	Turbine Washer	Material: Phenolic	O.D.: 2.291"/ 58.2mm I.D.: 1.264"/ 32.1mm Thick.: .224"/ 5.7mm		PW-9-3D
18.	Turbine Washer	Material: Phenolic	O.D.: 2.291"/ 58.2mm I.D.: 1.264"/ 32.1mm Thick.: .236"/ 6.0mm		PW-9-3E
18.	Turbine Washer	Material: Phenolic	O.D.: 2.291"/ 58.2mm I.D.: 1.264"/ 32.1mm Thick.: .248"/ 6.3mm		PW-9-3F
20.	Gear, Cup	48 Spline	O.D.: 3.917"/ 99.5 mm I.D.: 2.480"/ 63.0 mm Hight: 0.815"/ 20.7mm 48 Tith		PX-8

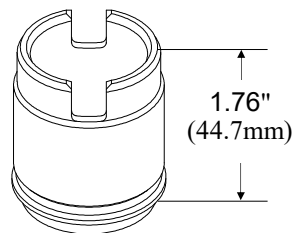
**ZF4HP20 MERCEDES VITO (156200, D29 STAMP)
Peugeot, Alfa Romeo 166, (156202, B38 Stamp)**



PEUGEOT, ALFA ROMEO 166, (156202, B38 STAMP)



ILL. # 2 IMPELLER HUB, 1.772" (45mm) DIA.



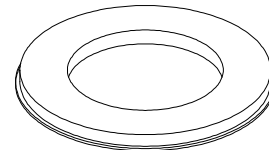
PH-1-12GRC

Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 60-63

ILL. # 4

BEARING

O.D. 2.51" (63.8mm)
Race O.D.: 2.51" (63.8mm)
I.D. 1.50" (38.4 mm)
Thick. .19" (4.8mm)

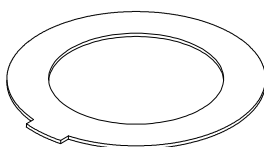


PW-2-10HD

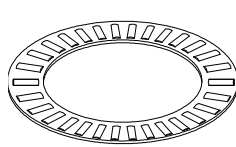
ILL. # 11, 12, 13, 26, 27

BEARINGS & RACES

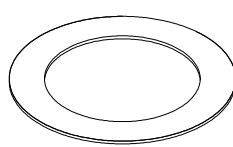
O.D. .42" (61.5mm)	O.D. 2.36" (60mm)	O.D. 2.35" (60mm)	O.D. 2.51" (63.8mm)	O.D. 2.43" (61.7mm)
I.D. 1.70" (43.2mm)	I.D. 1.57" (39.9mm)	I.D. 1.58" (40mm)	I.D. 1.53" (38.9mm)	I.D. 1.31" (33.3mm)
Thick. .08" (2.0mm)	Thick. .09/.12" (2.3/3mm)	Thick. .04" (1.0mm)	Thick. .04" (1.02mm)	Thick. .15" (.15mm)



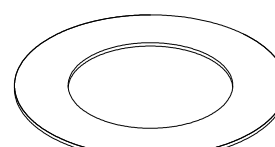
PW-2-3



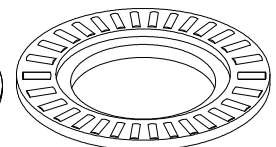
JW-2N / JW-2ND



JW-2-5T



PW-2-13

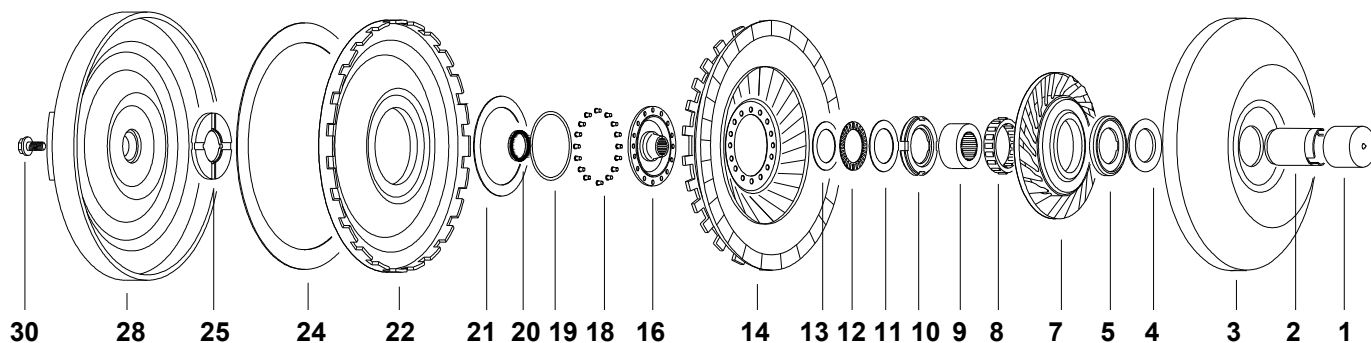


PW-2-12

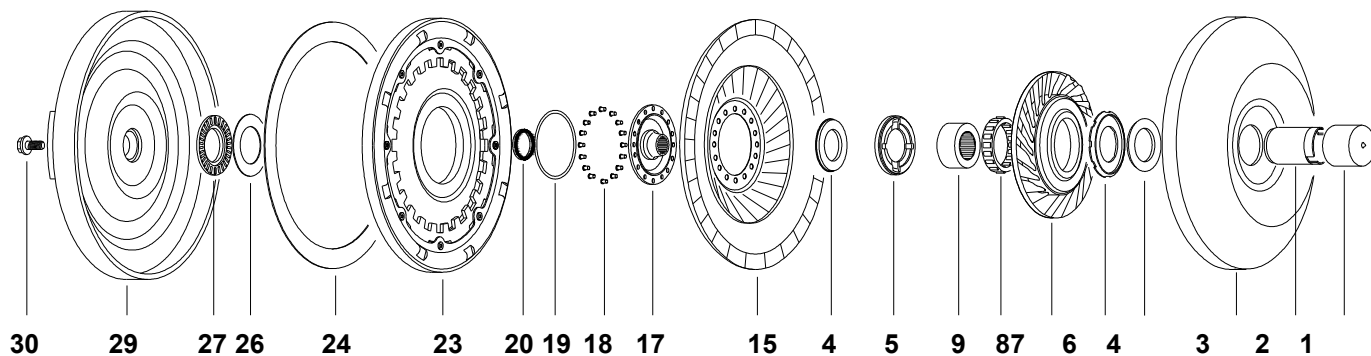
ZF4HP20 MERCEDES VITO (156200, D29 STAMP) Continued
Peugeot, Alfa Romeo 166, (156202, B38 Stamp)

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Blue, For 1-3/4" Dia. Hubs		MHC-BU
2	Hub, Impeller	1.772 O.D., Heat Treated Rc 60-63		PH-1-12GRC
3	Impeller	OE #156202		
4	Bearing	Enclosed, 2.43" O.D., 2.51" Race O.D., For D29	1	PW-2-10HD
		1.51" I.D., .19" Thick, For B38	2	PW-2-10HD
5	Cap, Stator	Aluminum, 2.79" O.D., 1.64" I.D., .39" Thick (For D29 - Impeller Side, for B38 - Turbine side)		PW-4-13
6	Cap, Stator	Aluminum, 2.79" O.D., 1.64" I.D., .36" Thick , For B38 Impeller Side		PW-4-14
7	Stator	OE #0711371199		
8	Sprag	18 Cams Cam Repair Kit		MF-295-18K
9	Race, Inner	43 Spline (7 Removed), 1.957" O.D., .725" High		
10	Cap, Stator	Aluminum, 2.79" O.D., 1.64" I.D., .36" Thick For D29 Turbine Side		PW-4-1
11	Race, Bearing	2.42" O.D., 1.70" I.D., .78" Thick For D29		PW-2-3
12	Bearing	2.36" O.D., 1.57" I.D., .09" Thick Heavy Duty, .12 "Thick For D29		JW-2N JW-2ND
13	Race, Bearing	2.59" O.D., 1.58" I.D., .04" Thick For D29		JW-2-5T

ZF4HP20 MERCEDES VITO (156200, D29 STAMP) Continued
Peugeot, Alfa Romeo 166, (156202, B38 Stamp)



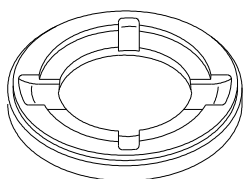
PEUGEOT, ALFA ROMEO 166, (156202, B38 STAMP)



ILL. # 5,6,10

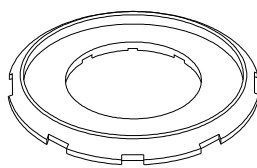
STATOR CAPS

O.D. 2.79" (70.9mm)
 I.D. 1.64" (41.7mm)
 Thick. .39" (9.9mm)



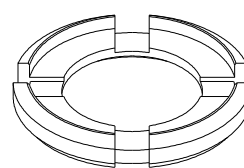
PW-4-13

O.D. 2.79" (70.9mm)
 I.D. 1.64" (41.7mm)
 Thick. .36" (9.1mm)



PW-4-14

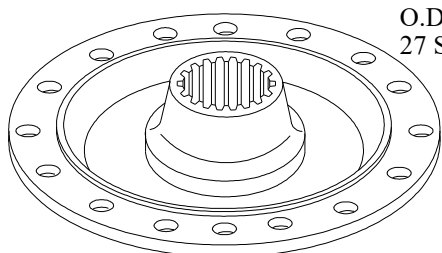
O.D. 2.79" (70.9mm)
 I.D. 1.64" (41.7mm)
 Thick. .42" (10.7mm)



PW-4-1

ILL. #16, 17

TURBINE HUB

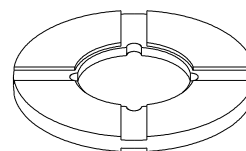


**PX-13-19HT
 PX-13-20HT**

O.D. 4.06" (103mm)
 27 Spline

ILL. # 25

TURBINE WASHER



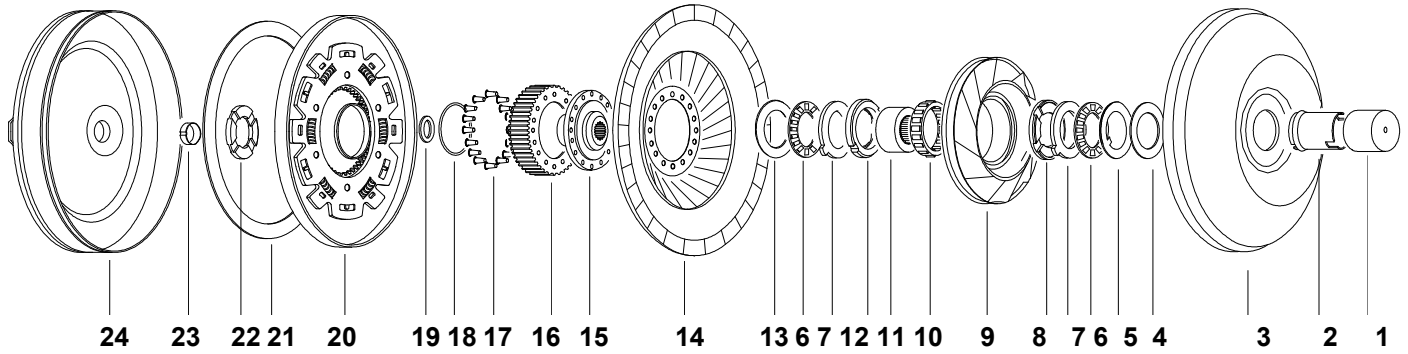
PW-9-6

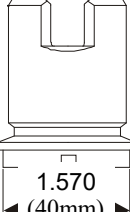
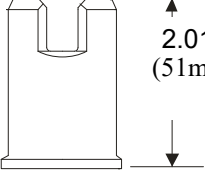
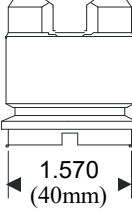
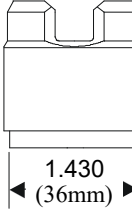
O.D. 2.69" (58.3mm)
 I.D. 1.27" (32.3mm)
 Thick. .22" (5.6mm)

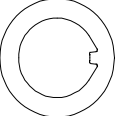
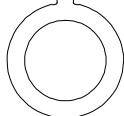
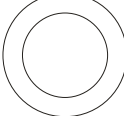
ZF4HP20 MERCEDES VITO (156200, D29 STAMP) Continued
Peugeot, Alfa Romeo 166, (156202, B38 Stamp)

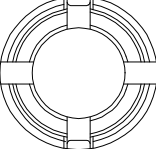
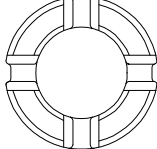
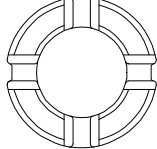
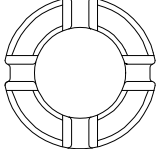
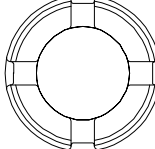
ILL.#		DESCRIPTION	QTY.	PART #
14	Turbine	Assembly, For D29		
15	Turbine	Assembly, For B38		
16	Turbine Hub	27 Spline, 4.06" O.D., For D29, w/o Oil Grooves		PX-13-19HT
17	Turbine Hub	27 Spline, 4.06" O.D., w/Oil Grooves, For B38		PX-13-20HT
18	Rivet	.16" Shank Dia., .35" Long	16	PX-12-1L
19	O-Ring	75.2mm I.D., 2.5mm Wide		PO-25-8
20	Seal, Metal Clad	24mm O.D., 17mm I.D., 4.5mm Thick		PO-25-7
21	Shim	Steel, 4.05" O.D., 3.15" I.D., .008" Thick For D29 Steel, 4.05" O.D., 3.15" I.D., .020" Thick For D29		PX-8-1 PX-8-1A
22	Pressure Plate	OE #0707029100 For D29		
23	Pressure Plate	Assembly, OE #0713251002, 0707032000 For B38		
24	Lining	10" O.D., 8.40" I.D., .045" Thick		PX-23-13K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
25	Turbine Washer	2.69" O.D., 1.27" I.D., .22" Thick, Phenolic For D29		PW-9-6
26	Race, Bearing	2.51" O.D., 1.53" I.D., .04" Thick For B38		PW-2-13
27	Bearing	2.43" O.D., 1.31" I.D., .15 Thick For B38		PW-2-12
28	Cover, Front	For D29		
29	Cover, Front	For B38		
30	Bolt	M8 x1.25	6	

ZF4HP22 & CHRYSLER JEEP A999



ILL. # 2 IMPELLER HUBS			
1.498" (38mm) DIA.		1.574" (40mm) DIA.	
			
TH-1-14G	TH-1-14TG	PH-1-6G	PH-1-6TG
Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"-Hardness Rc 32-36			

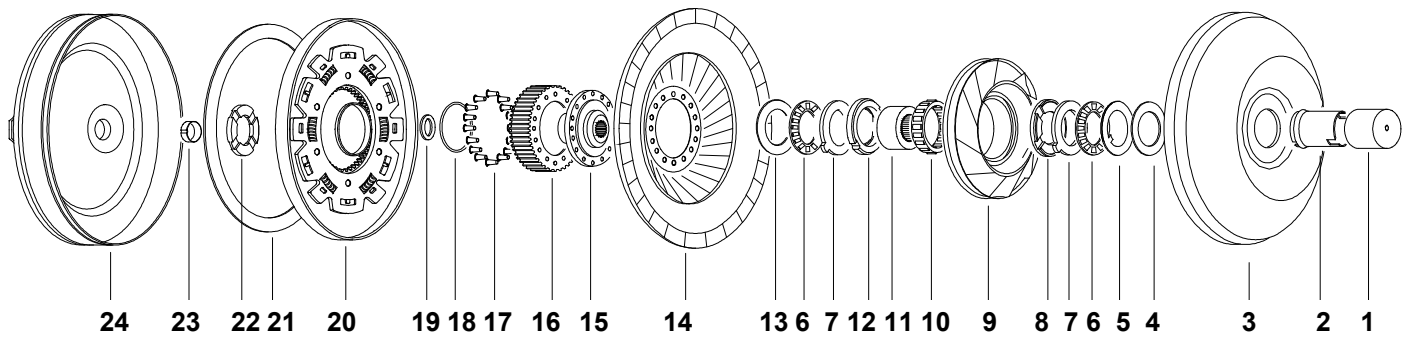
ILL #5,6,7 BEARING AND RACES			ILL #13 BEARING RACE
O.D. 2.35" (59.7mm) I.D. 1.59" (40.4mm) Thick. .04" (1.0mm)	O.D. 2.36" (60mm) I.D. 1.57" (40mm) Thick. .125" (3.2mm)	O.D. 2.40" (61mm) I.D. 1.70" (43mm) Thick. .08" (2.0mm)	O.D. 2.35" (59.7mm) I.D. 1.58" (40.1mm)
			
PW-2-4	JW-2ND	PW-2-3	JW-2-5TT JW-2-5T Thick. .03"(0.8mm) Thick. .04" (1.0mm)

ILL. # 8, 12 STATOR CAPS				
O.D. 2.79" (70.9mm) I.D. 1.64" (41.7mm) Thick. .42" (10.7mm)	O.D. 2.79" (70.9mm) I.D. 1.67" (42.4mm) Thick. .52" (13.2mm)	O.D. 2.79" (70.9mm) I.D. 1.67" (42.4mm) Thick. .28" (7.1mm)	O.D. 2.79" (70.9mm) I.D. 1.67" (42.4mm) Thick. .62" (15.7mm)	O.D. 2.79" (70.9mm) I.D. 1.67" (42.4mm) Thick. .33" (8.4mm)
				
PW-4-1	PW-4-2	PW-4-3	PW-4-4	PW-4-5

ZF4HP22 & CHRYSLER JEEP A999 Continued

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Green™, For 1-1/2" Dia. Hubs		MHC-G
2	Hub, Impeller	Chrysler Jeep		TH-1-14G
		Chrysler Jeep		TH-1-14TG
		ZF4-HP22		PH-1-6G
		ZF4-HP22		PH-1-6TG
3	Impeller			
4	Shim, Selective	2.5" O.D., 1.58" I.D., .010" Thick		VW-2-10
		.020" Thick		VW-2-20
		.030" Thick		VW-2-30
5	Race, Steel	2.35" O.D., 1.59" I.D., .040" Thick, With Lug		PW-2-4
6	Bearing, Needle	2.36" O.D., 1.57" I.D., .125" Thick, Heavy Duty	2	JW-2ND
		2.36" O.D., 1.57" I.D., .118" Thick		JW-2N
7	Race, Steel	2.42" O.D., 1.7" I.D., .078" Thick, With Lug	2	PW-2-3
8	Cap, Stator	Rear, Aluminum, 2.79" O.D., 1.64" I.D., .42" Thick		PW-4-1
		2.79" O.D., 1.67" I.D., .28" Thick		PW-4-3
		2.79" O.D., 1.67" I.D., .32" Thick		PW-4-5
9	Stator			
10	Sprag Assembly	1.957 Inner Race O.D.; 2.613 Outer Race I.D., 0.530 thickness. 22 Cams, Cam Repair Kit		VC-6-1
	Sprag			MF-295-22K
11	Race, Inner	.96" High, 27 Spline		PX-14
		.70" High, 38 Spline		PX-14-1
		1.02" High, 27 Spline		PX-14-2
		.78" High, 38 Spline		PX-14-3
12	Cap, Stator	Front, Aluminum, 1.67" I.D., 2.79" O.D., .52" Thick		PW-4-2
		.28" Thick		PW-4-3
		.62" Thick		PW-4-4
13	Race, Bearing	2.35" O.D., 1.58" I.D., .030" Thick		JW-2-5TT
		2.35" O.D., 1.59" I.D., .040" Thick		JW-2-5T
14	Turbine			

ZF4HP22 & CHRYSLER JEEP A999 Continued



ILL. #15

TURBINE HUBS

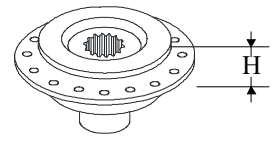
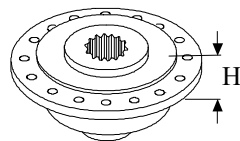
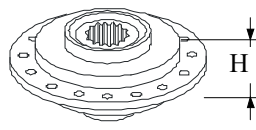
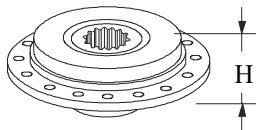
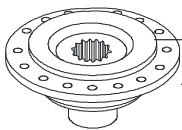
O.D. 3.50" (89mm)
26 Spline

O.D. 3.50" (89mm)
27 Spline

O.D. 3.50" (89mm)
27 Spline

O.D. 3.34" (85mm)
27 Spline

O.D. 3.50" (89mm)
27 Spline



PX-13HT
H= .74"(19mm)

PX-13-1HT
H= 1.06"(27mm)

PX-13-4HT
H= .91"(23mm)

PX-13-5HT
H= .84"(21mm)

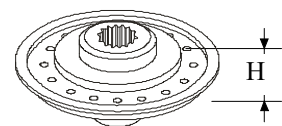
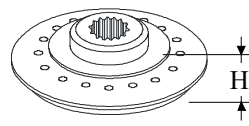
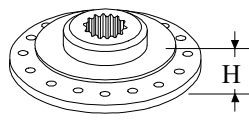
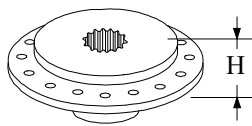
PX-13-6HT
H= .74"(19mm)

O.D. 3.50" (89mm)
27 Spline

O.D. 3.50" (89mm)
27 Spline

O.D. 3.89" (99mm)
27 Spline

O.D. 4.14" (105mm)
27 Spline



PX-13-7HT
H=1.045"(26.5mm)

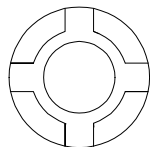
PX-13-8HT
H=.72"(18.3mm)

PX-13-9HT
H=.72"(18.3mm)

PX-13-10HT
H=.84"(21.3mm)

ILL. #22

TURBINE WASHERS



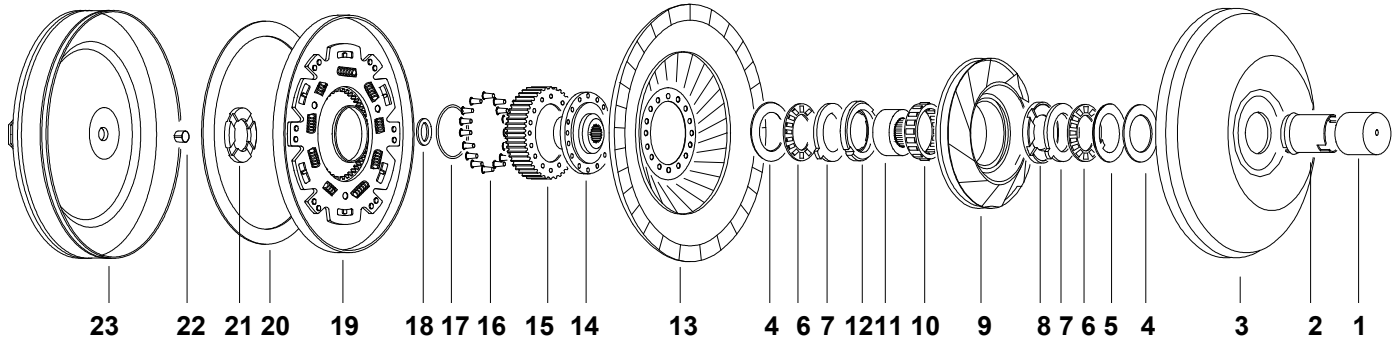
Part #	I.D. ("/mm)	O.D. ("/mm)	Thick. ("/mm)	Application
PW-9-2D	1.40/35.6	2.30/58.4	.225/5.7	A999
PW-9-2E	1.40/35.6	2.30/58.4	.236/6	A999
PW-9-2F	1.40/35.6	2.30/58.4	.248/6.3	A999
PW-9-3D	1.26/32	2.30/58.4	.225/5.7	ZF4-HP22
PW-9-3E	1.26/32	2.30/58.4	.236/6	ZF4-HP22
PW-9-3F	1.26/32	2.30/58.4	.248/6.3	ZF4-HP22

ZF4HP22 & CHRYSLER JEEP A999 *Continued*

ILL.#	DESCRIPTION		QTY.	PART #
15	Turbine Hub	Chrysler Jeep, A999, 26 Spline		PX-13HT
		Chrysler Jeep, A999, 27 Spline		PX-13-6HT
		ZF4-HP22, 27 Spline		PX-13-1HT
		ZF4-HP22, 27 Spline		PX-13-4HT
		ZF4-HP22, 27 Spline		PX-13-5HT
		ZF4-HP22, 27 Spline		PX-13-7HT
		ZF4-HP22, 27 Spline		PX-13-8HT
		ZF4-HP22, 27 Spline		PX-13-9HT
		ZF4-HP22, 27 Spline		PX-13-10HT
	Insert, Spline, EZ-WELD™	Jeep A999, 26 Spline, .95" Long		PX-13-26
ZF4-HP22, 27 Spline, .95" Long			PX-13-27	
ZF4-HP22, 27 Spline, W/Seal Bore, 1.38" Long			PX-13-27L	
16	Gear, Cup	48 Spline		PX-8
17	Rivet	.168" Shank Dia., .370" Long	16	PX-12
		.168" Shank Dia., .500" Long	16	PX-12L
18	Ring, Seal	Square Cut, 60mm O.D.		PO-25
		Oversize To Salvage Clutch Plates		PO-25X
		PTFE Replacement, Scarf Cut		PO-25T
19	Seal, Metal Clad	Chrysler Jeep A999		TO-25-1
		ZF4-HP22		PO-25-6
20	Lockup Clutch	Lined, 255mm Dia.		PX-26
		Lined, 265mm Dia.		PX-26-1
21	Lining	9-1/2" O.D. x 8-1/4" I.D. x .045" Thick		PX-23-9
		9-7/8" O.D. x 9" I.D. x .045" Thick		JX-23-10K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan				
22	Washer, Turbine	Selective, Chrysler Jeep A999		PW-9-2D
		Chrysler Jeep A999		PW-9-2E
		Chrysler Jeep A999		PW-9-2F
		ZF4-HP22		PW-9-3D
		ZF4-HP22		PW-9-3E
		ZF4-HP22		PW-9-3F
23	Bushing, Cover	Chrysler Jeep A999, 1.61" O.D., 1.39" I.D., .50" High		TB-18-4
		ZF4-HP22, .67" O.D., .56" I.D., .40" High		PB-18
24	Cover, Front			

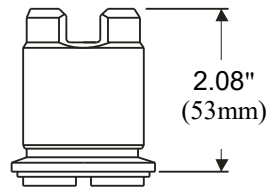
ZF4HP22

BM-25, BMW & BM-27, 1990 Jaguar



ILL. # 2

IMPELLER HUB, 1.574" (40mm) DIA.



PH-1-9GRC

Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"-Hardness Rc 32-36

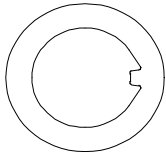
ILL #5,6,7

BEARING, RACES

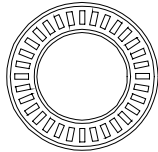
O.D. 2.35" (60mm)
I.D. 1.59" (40mm)
Thick. .04" (1.0mm)

O.D. 2.36" (60mm)
I.D. 1.57" (40mm)
Thick. .125" (3.2mm)

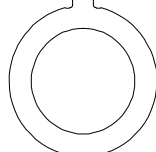
O.D. 2.42" (61mm)
I.D. 1.70" (43mm)
Thick. .08" (2mm)



PW-2-4



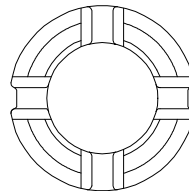
JW-2ND



PW-2-3

ILL #8 STATOR CAP

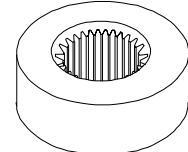
O.D. 2.97" (75mm)
I.D. 1.66" (42mm)
Thick. .43" (11mm)



PW-4-11

ILL. # 11 INNER RACE

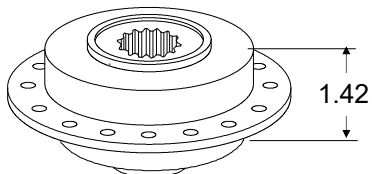
O.D. 2.16" (54.9mm)
I.D. 1.16" (29.5mm)
Height .86" (21.8mm)



PX-14-7

ILL. # 14 TURBINE HUB

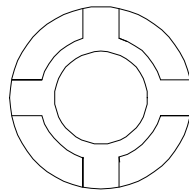
O.D. 3.89" (99mm)
27 Spline



PX-13-12HT

ILL. # 21 TURBINE WASHER

O.D. 2.30" (58.4mm)
I.D. 1.40" (35.6mm)



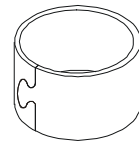
PW-9-2D
Thick. .22"
(5.6mm)

PW-9-2E
Thick. .24"
(6.1mm)

PW-9-2F
Thick. .25"
(6.4mm)

ILL. # 22 BUSHING

O.D. .67" (17mm)
I.D. .56" (14mm)
Height .40" (10mm)

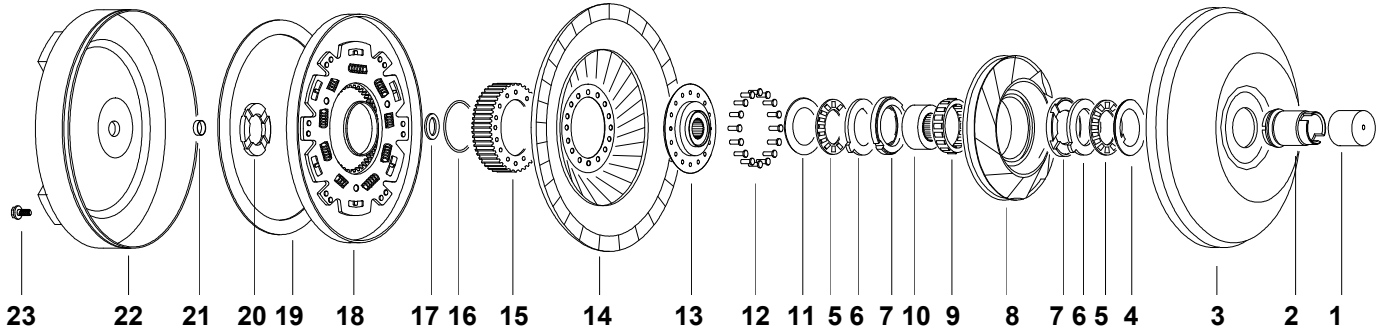


PB-18

ZF4HP22
BM-25, BMW & BM-27, 1990 Jaguar

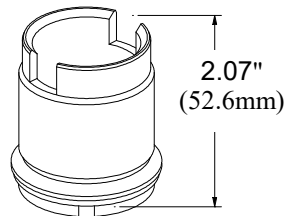
ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Green™, For 1-1/2" Dia. Hubs		MHC-G
2	Hub, Impeller	Hardened		PH-1-9GRC
3	Impeller			
4	Race, Steel	2.35" O.D., 1.59" I.D., 0.04" Thick	2	JW-2-5T
5	Race, Steel	2.35" O.D., 1.59" I.D., 0.04" Thick, With Lug		PW-2-4
6	Bearing, Needle	2.36" O.D., 1.57" I.D., .125" Thick, Heavy Duty	2	JW-2ND
7	Race, Steel	With Tang	2	PW-2-3
8	Cap, Stator	Rear, Aluminum, 4 Slots, 2.97" O.D., 1.67" I.D., .42" Thick		PW-4-11
9	Stator			
10	Sprag	24 Cams		FC-6-9
11	Race, Inner	38 Spline, 2.16" O.D., 1.16" I.D., .86" High		PX-14-7
12	Cap, Stator	Front, Aluminum, 4 Slots		
13	Turbine			
14	Turbine Hub	3.89" O.D., 27 Spline		PX-13-12HT
15	Gear, Cup	48 Spline		PX-8
16	Rivet	.168" Shank Dia., .370" Long	16	PX-12
17	Ring, Seal	Square Cut, 60mm O.D. Oversize To Salvage Clutch Plates PTFE Replacement, Scarf Cut		PO-25 PO-25X PO-25T
18	Seal, Metal Clad	24mm O.D., 18mm I.D., 5mm Thick		PO-25-6
19	Lockup Clutch			
20	Lining	11 1/8" O.D., 10" I.D., .045" Thick 11 1/8" O.D., 10" I.D., .070" Thick		SX-23-4 SX-23-4X70
21	Washer, Turbine	2.30" O.D., 1.40" I.D., .225" Thick 2.30" O.D., 1.40" I.D., .236" Thick 2.30" O.D., 1.40" I.D., .248" Thick		PW-9-2D PW-9-2E PW-9-2F
22	Bushing, Cover	.67" O.D., .56" I.D., .40" High		PB-18
23	Cover, Front			

ZF4HP24

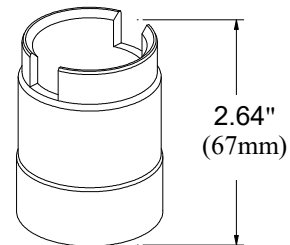


ILL. #2

IMPELLER HUBS, 1.575" (40mm) DIA.



PH-1-9G



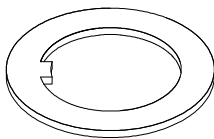
PH-1-15G

Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. # 4, 5, 6, 11

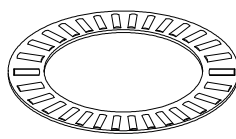
RETAINER, BEARING & STEEL WASHER

O.D. 2.35"
I.D. 1.59"
Thick. .04"



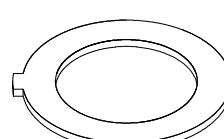
PW-2-4

O.D. 2.36"
I.D. 1.57"
Thick. .12"



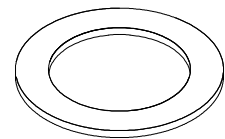
JW-2ND

O.D. 2.42"
I.D. 1.70"
Thick. .08"



PW-2-3

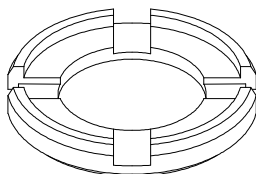
O.D. 2.35"
I.D. 1.59"
Thick. .08"



JW-2-5T

ILL. # 7

STATOR CAP

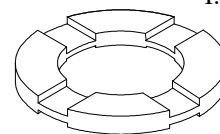


PW-4-1
Aluminum

O.D. 2.79"
I.D. 1.64"
Thick. .42"

ILL. #20

WASHER



O.D. 2.291" (58.2mm)
I.D. 1.264" (32.1mm)
Phenolic

PW-9-3D

PW-9-3E

PW-9-3F

Thick. .224" (5.7mm)

Thick. .236" (6.0mm)

Thick. .248" (6.3mm)

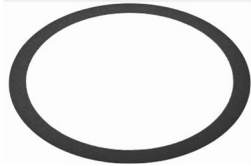
ZF4HP24

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Green™, For 1-1/2" Dia. Hubs		MHC-G
2	Hub, Impeller	Hardened, Thru Mount Hardened, Butt Mount		PH-1-9GRC PH-1-15GRC
3	Impeller			
4	Race, Steel	2.35" O.D., 1.59" I.D., 0.04" Thick, With I.D. Tang		PW-2-4
5	Bearing, Needle	2.36" O.D., 1.57" I.D., .125" Thick, Heavy Duty	2	JW-2ND
		2.36" O.D., 1.57" I.D., .118" Thick, Optional	2	JW-2N
6	Race, Steel	2.42" O.D., 1.70" I.D., .08" Thick, With O.D. Tang	2	PW-2-3
7	Cap, Stator	Aluminum, 4 Slots, 2.97" O.D., 1.67" I.D., .42" Thick	2	PW-4-1
8	Stator			
9	Sprag	24/22 Cams		FC-6-10
10	Race, Inner	38 Spline, 2.16" O.D., 1.16" I.D., .86" High		PX-14-7
11	Race, Steel	2.35" O.D., 1.59" I.D., 0.04" Thick		JW-2-5T
12	Rivet	.168" Shank Dia., .370" Long	16	PX-12
13	Turbine Hub	3.89" O.D., 27 Spline, Heat Treated		PX-13-12HT
<i>Add Suffix "HT" For Heat Treated Turbine Hubs</i>				
14	Turbine			
15	Gear, Cup	48 Spline		PX-8
16	Ring, Seal	Square Cut, 60mm O.D.		PO-25
		Oversize To Salvage Clutch Plates		PO-25X
		PTFE Replacement, Scarf Cut		PO-25T
17	Seal, Metal Clad	24mm O.D., 18mm I.D., 5mm Thick		PO-25-6
18	Lockup Clutch			
19	Lining	11 1/8" O.D., 10" I.D., .045" Thick		SX-23-4K*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
20	Washer, Turbine	2.291" (58.2mm) O.D., 1.264" (32.1mm) I.D., .224" (5.7mm) Thick		PW-9-3D
		2.291" (58.2mm) O.D., 1.264" (32.1mm) I.D., .236" (6.0mm) Thick		PW-9-3E
		2.291" (58.2mm) O.D., 1.264" (32.1mm) I.D., .248" (6.3mm) Thick		PW-9-3F
21	Bushing, Cover	.67" O.D., .56" I.D., .40" High		PB-18
22	Cover, Front			
23	Bolt	M8x1.25	6	

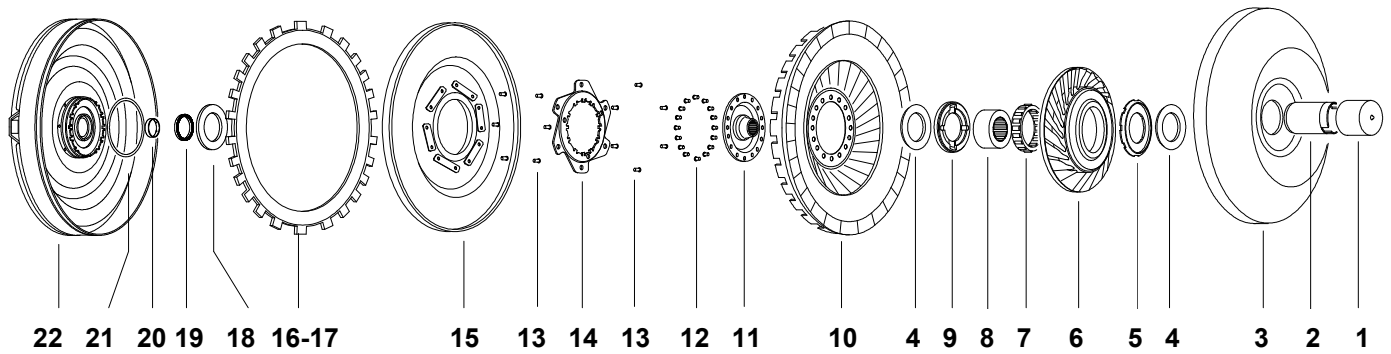
ZF5HP19 (Single Friction)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia.: 1-3/4" / 44.5mm		MHC-BU
Hub, Impeller	Hub Mount: Butt Hardness: Rc 60-63. Heat Treated	Journal Dia.: 1.770" / 45.0mm Assembled Height: 1.760" / 44.7mm		PH-1-12GRC
Hub, Impeller	Hub Mount: Flanged Material: Hardened Steel	Flange O.D.: 2.756" / 70.0mm Journal Dia.: 1.773" / 45.0mm Height: 1.910" / 48.5 mm Assembled Height: 1.733" / 44.0mm		PH-1-17FLG
Bearing	Material: Hardened Steel. Enclosed	O.D.: 2.430" / 61.7mm Race O.D.: 2.51" / 63.8mm I.D.: 1.510" / 38.4mm Thick. 0.188" / 4.8mm		PW-2-10HD
Stator Cap	Material: Aluminum	O.D.: 2.790" / 70.9mm I.D.: 1.625" / 41.3mm Thick. 0.386" / 9.80mm		PW-4-13
Sprag	Material: Steel	Outer Race Dia.: 2.615" / 66.4mm Inner Race Dia.: 1.958" / 49.7mm Width: .457" / 11.6mm 18 Cams		PC-6
Bearing Race	Material: Hardened Steel	O.D.: 2.425" / 61.6mm I.D.: 1.695" / 43.1mm Thick.: .079" / 2.0mm 1 Tang		PW-2-3
Bearing	Material: Hardened Steel	O.D.: 2.362" / 59.94mm I.D.: 1.575" / 39.88mm Thick.: .125" / 3.18mm		JW-2ND
Bearing Race	Material: Hardened Steel	O.D.: 2.346" / 59.6mm I.D.: 1.585" / 40.3mm Thick.: .042" / 1.0mm		JW-2-5T

ZF5HP19 (Single Friction), Continued

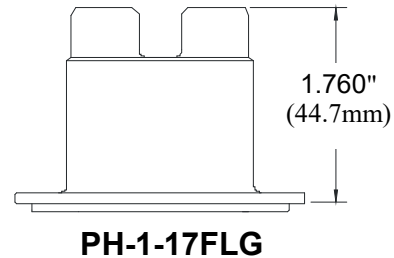
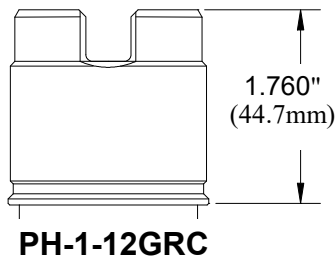
	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Lining	Material: KEVLAR®	O.D.: 9.875"/ 250.8mm I.D.: 8.750"/ 222.3mm Thick.: .045"/ 1.1mm		JX-23-22K*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
O-Ring	Material: Fluorocarbon	I.D.: 2.945"/ 74.8mm Thick.: .103"/ 2.6mm		PO-25-8
Metal Clad Seal	Material: Steel, Fluorocarbon	Housing: .945"/ 24mm Shaft: .709"/ 18mm Thick. .177"/ 4.5mm		PO-25-6
Metal Clad Seal	Material: Steel & Fluorocarbon, Flanged	Housing .945"/ 24mm Shaft .710"/ 18mm Thick. .177"/ 4.5mm		PO-25-7
Turbine Washer	Material: Phenolic Front cover hub .030" Thicker than OE	O.D.: 2.690" / 68.3mm I.D.: 1.267" / 32.2mm Thick.: 0.254" / 6.5mm		PW-9-8

ZF5HP19/FL, GASOLINE, AUDI A8, 3.8 L



ILL. # 2

IMPELLER HUB, 1.772" (45mm) DIA.

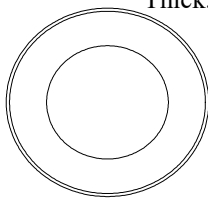


Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"- Hardness Rc 60-63

ILL # 4

BEARING

O.D.: 2.43" / 61.7mm
Race O.D.: 2.51" (63.8mm)
I.D. 1.50" (38.4 mm)
Thick. .19" (4.8mm)

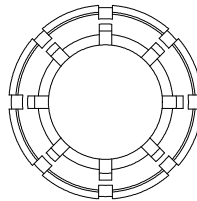


PW-2-10HD

ILL # 5, 9

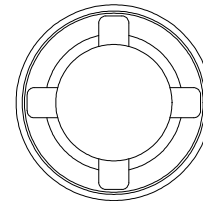
STATOR CAPS

O.D. 2.79" (70.9mm)
I.D. 1.63" (41.4mm)
Thick. .36" (9.1mm)



PW-4-14

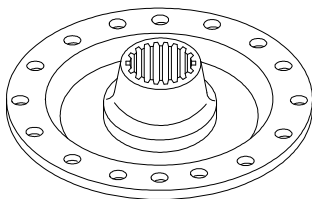
O.D. 2.79" (70.9mm)
I.D. 1.63" (41.4mm)
Thick. .39" (9.9mm)



PW-4-13

ILL. #11 **TURBINE HUB**

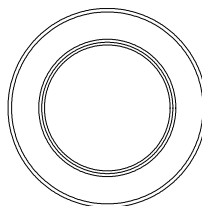
O.D. 4.015" (102mm)
27 Spline



PX-13-18HT

ILL. # 18 **BEARING**

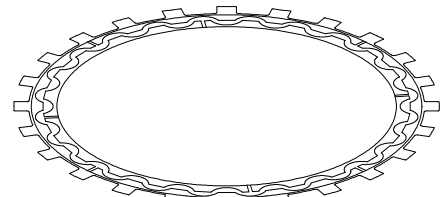
O.D. 2.19" (55.6mm)
I.D. 1.39" (35.3mm)
Thick. .16" (4.1mm)



PW-2-11

ILL # 16-17 **LOCKUP CLUTCH**

O.D. 10.21" (259mm)
I.D. 8.15" (207mm)
Thick. .14" (3.5mm)
Teeth 24

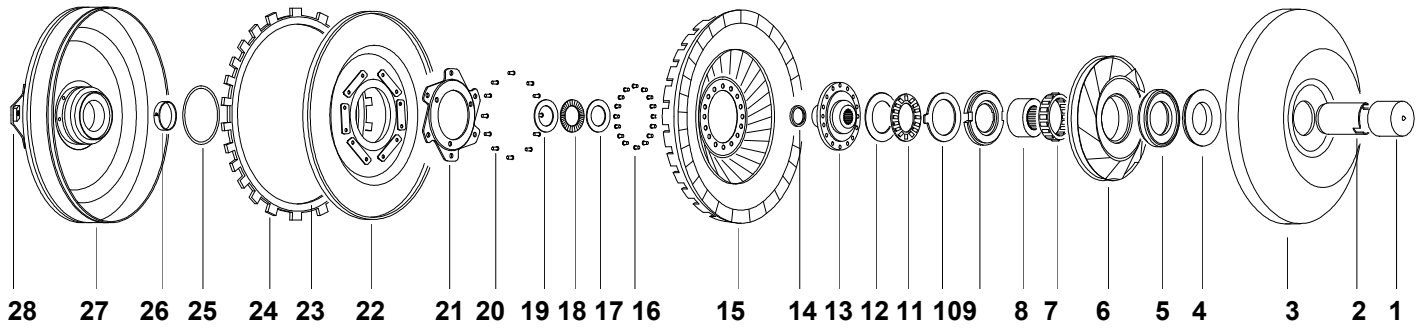


PX-26-7

**ZF5HP19/FL,
GASOLINE, AUDI A8, 3.8 L**

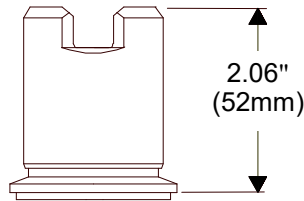
ILL.#		DESCRIPTION	QTY	PART #
1	Hubcap®	Blue™, For 1-3/4" Dia. Hubs		MHC-BU
2	Hub, Impeller	1.772" O.D., 1.380" I.D., Hardened to Rc 60-63		PH-1-12GRC
		Flanged 1.772" O.D., 1.380" I.D., Hardened to Rc 60-63		PH-1-17FLG
3	Impeller			
4	Bearing	Enclosed, 2.51" O.D., 2.51" Race O.D., 1.51" I.D., 0.19" Thick	2	PW-2-10HD
5	Cap, Stator	Aluminum, 2.79" O.D., 1.64" I.D., .36" Thick		PW-4-14
6	Stator			
7	Sprag	18 Cams, Cam Repair Kit		MF-295-18K
8	Race, Inner	43 Spline, 1.957" O.D., .725" High		
9	Cap, Stator	Aluminum, 2.79" O.D., 1.64" I.D., .39" Thick		PW-4-13
10	Turbine	Assembly		
11	Turbine Hub	27 Spline, 4.015" O.D.		PX-13-18HT
12	Rivet	For Turbine Hub, .16" Shank Dia., .35" Long	16	PX-12-1L
13	Rivet	For Pressure Plate, .205" Shank Dia., .28" Long	12	PX-12-1
14	Plate	Spring Retainer, w/12 Teeth, 3.09" I.D.		PX-22-4
N/I	Plate	Retainer repair plate w/6 Teeth, 2.24" I.D.		PX-22-5
15	Pressure Plate	With 6 Springs		PX-22-2
16	Lining	9.438" O.D., 8.148" I.D., .045" Thick, Grooved	2	PX-23-12M*
		* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan		
17	Lockup Clutch	10.210" O.D., 8.148" I.D., Thick, 24 Teeth , w/2 Linings Serpentine™ Lube Grooving		PX-26-7
18	Bearing	2.19" O.D., 1.39" I.D., .16" Thick, Enclosed		PW-2-11
19	Seal, Metal Clad	24 mm O.D., 17 mm I.D., 4.5 mm Thick		PO-25-7
20	Bushing	Cover, 1.54" O.D., .45" High		PB-18-3
21	O-Ring	Fluorocarbon, 80mm I.D., 2.5mm Dia.		PO-25-3
22	Cover, Front	Assembly		

ZF5HP24, JAGUAR, BM-64 BMW 5401, 1993



ILL. # 2

IMPELLER HUB, 1.574" (40mm) DIA.

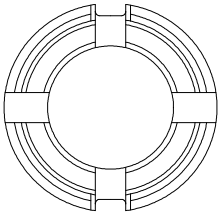


PH-1-11GRC

Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"- Hardness Rc 60-63

ILL # 9 STATOR CAP

O.D. 2.79" (70.9mm)
I.D. 1.64" (41.7mm)
Thick. .42" (10.7mm)



PW-4-1

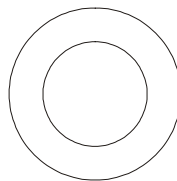
ILL # 12, 11, 10

BEARING AND RACES

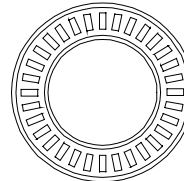
O.D. 2.35" (59.7mm)
I.D. 1.58" (40.1mm)
Thick. .04" (1.0mm)

O.D. 2.36" (60mm)
I.D. 1.57" (39.9mm)
Thick. .09/.12" (2.3/3.0mm)

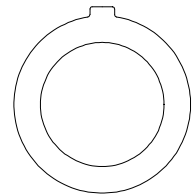
O.D. 2.42" (61.5mm)
I.D. 1.70" (43.2mm)
Thick. .78" (19.8mm)



JW-2-5T

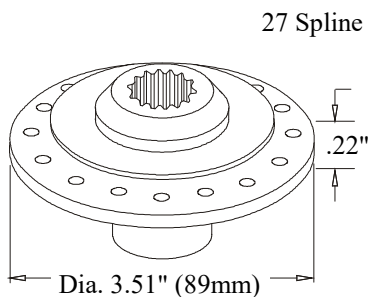


JW-2N, JW-2ND



PW-2-3

ILL. # 13 TURBINE HUB

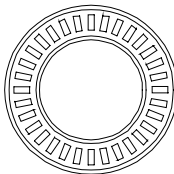


PX-13-14HT

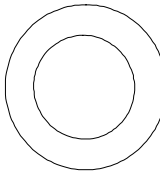
ILL. # 18, 19 BEARING & RACE

O.D. 2.04" (52mm)
I.D. 1.38" (35mm)
Thick. .09" (2.3mm)

O.D. 2.04" (52mm)
I.D. 1.38" (35mm)
Thick. .04" (1.0mm)



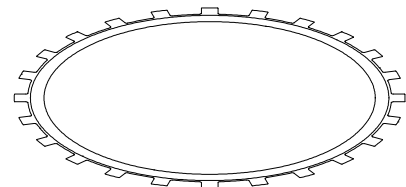
PW-2-7



PW-2-8

ILL # 24 LOCKUP CLUTCH

O.D. 10.21" (259mm)
I.D. 8.38" (213mm)
Thick. .12" (3.0mm)
Teeth 24

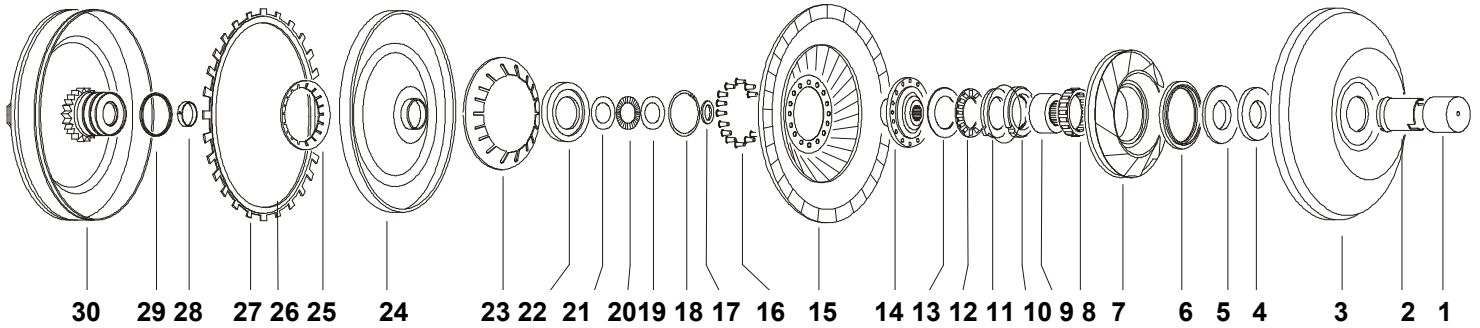


PX-26-6

**ZF5HP24,
JAGUAR, BM-64 BMW 5401, 1993**

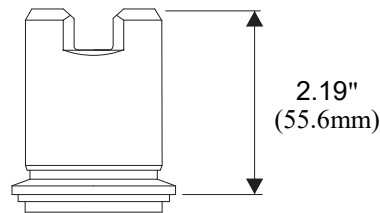
ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Green™, For 1-1/2" Dia. Hubs		MHC-G
2	Hub, Impeller 1.574" O.D.		PH-1-11GRC
3	Impeller		
4	Bearing Enclosed, 2.51" O.D., 2.51" Race O.D., 1.51" I.D., 0.19" Thick		PW-2-10HD
5	Cap, Stator 2.79" O.D., 1.64" I.D., .47" Thick		PW-4-12
6	Stator		
7	Sprag 1.957 Inner Race O.D.; 2.613 Outer Race I.D., 0.530 thickness. 22 Cams, Cam Repair Kit		VC-6-1 MF-295-22K
8	Race, Inner 38 Spline, 1.957" O.D., .845" High		PX-14-8
9	Cap, Stator 2.79" O.D., 1.64" I.D., .42" Thick		PW-4-1
10	Race 2.42" O.D., 1.7" I.D., .78" Thick		PW-2-3
11	Bearing 2.36" O.D., 1.57" I.D., .09" Thick Heavy Duty, .12" Thick		JW-2N JW-2ND
12	Race 2.35" O.D., 1.58" I.D., .04" Thick		JW-2-5T
13	Turbine Hub 27 Spline		PX-13-14HT
14	Seal, Metal Clad 24mm O.D., 18mm I.D., 5mm Thick		PO-25-6
15	Turbine Assembly		
16	Rivet .168" Shank Dia., .370" Long	16	PX-12
17	Race 2.12" O.D., 1.46" I.D., .04" Thick		PW-2-9
18	Bearing 2.04" O.D., 1.38" I.D., .08" Thick		PW-2-7
19	Race 2.04" O.D., 1.38" I.D., .04" Thick		PW-2-8
20	Rivet .168" Shank Dia., .370" Long	12	PX-12
21	Plate Spring Retainer, w/o Teeth, 2.30" I.D. Spring Retainer, w/12 Teeth, 2.56" I.D.		PX-22-1 PX-22-3
22	Pressure Plate With 6 Springs		PX-22-2
23	Lining 9.36" O.D., 8.38" I.D., .045" Thick	2	PX-23-11K*
* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan			
24	Lockup Clutch 10.21" O.D., 8.38" I.D., .12 Thick, 24 Teeth , w/2 Linings		PX-26-6
25	O-Ring 70 mm I.D. , 2.5 mm Wide		PO-25-1
	Seal Square, Fluorocarbon, Use w/ PX-22-3 Plate		PO-25-2
26	Bushing Cover, 1.54" O.D., .47" High		PB-18-2
27	Cover, Front		
28	Bracket	3	

ZF5HP30, 5 SPEED, BM-29, BMW 5401, 1993



ILL. # 2

IMPELLER HUB, 1.574" (40mm) DIA.



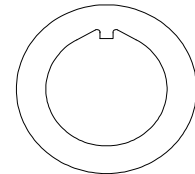
PH-1-10GRC

Suffix Code: No Suffix-Unfinished, "G"- Finish Ground,
"RC"- Hardness Rc 62

ILL # 5

RACE

O.D. 2.35" (59.7mm)
I.D. 1.58" (40.1mm)
Thick. .04" (1.0mm)

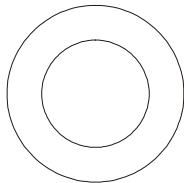


PW-2-4, Steel

ILL # 13, 12, 11

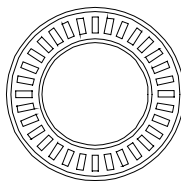
BEARINGS AND RACES

O.D. 2.35" (59.7mm)
I.D. 1.58" (40.1mm)
Thick. .04" (1.0mm)



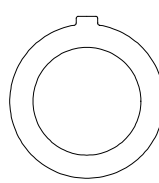
JW-2-5T

O.D. 2.36" (60mm)
I.D. 1.57" (40mm)
Thick. .09/.12" (2.3/3.0mm)



JW-2N, JW-2ND

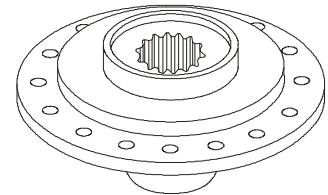
O.D. 2.42"
I.D. 1.70"
Thick. .078"



PW-2-3

ILL. #14 **TURBINE HUB**

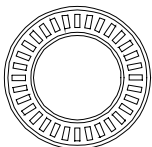
O.D. 3.56" (90mm)
27 Spline



PX-13-15HT

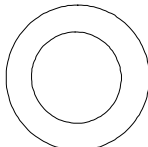
ILL # 21, 22 **BEARING, RACE**

O.D. 2.04" (52mm)
I.D. 1.38" (35mm)
Thick. .09" (2.3mm)



PW-2-7

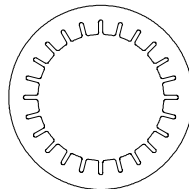
O.D. 2.04" (52mm)
I.D. 1.38" (35mm)
Thick. .04" (1.0mm)



PW-2-8

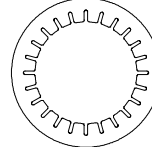
ILL. #24, 26 **DIAPHRAGM SPRINGS**

O.D. 4.30" (109mm)
I.D. 2.94" (74.7mm)
Height .22" (5.6mm)



PX-26-4

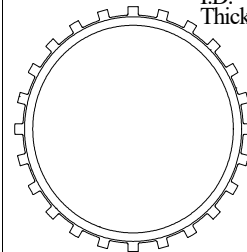
O.D. 3.73" (94.7mm)
I.D. 3.04" (77.2mm)
Height .15" (3.8mm)



PX-26-5

ILL #28 **CLUTCH ASSEMBLY**

O.D. 11.04" (280mm)
I.D. 9.36" (238mm)
Thick. .12" (3.0mm)

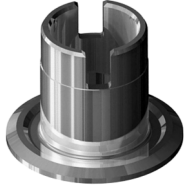
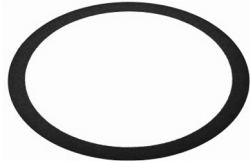


PX-26-3

**ZF5HP30, 5 SPEED,
BM-29, BMW 5401, 1993**

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Green™, For 1-1/2" Dia. Hubs		MHC-G
2	Hub, Impeller	1.574" O.D., 2.19" High, 2 Slots		PH-1-10GRC
3	Impeller			
4	Bearing	Enclosed, 2.43", O.D., 1.50" I.D., 0.18" Thick		
5	Race, Steel	2.35" O.D., 1.58" I.D., .04" Thick, With Lug		PW-2-4
6	Stator Cap	3.23" O.D., 2.29" I.D., .31" Thick		
7	Stator			
8	Sprag	24 Cams		FC-6-4
9	Race, Inner	38 Spline, 2.16" O.D., 1.16" I.D., .86" High		PX-14-7
10	Cap, Stator	2.97" O.D., 1.67" I.D., .42" Thick		PW-4-11
11	Race	2.42" O.D., 1.7" I.D., .78" Thick		PW-2-3
12	Bearing	2.36" O.D., 1.57" I.D., .09" Thick		JW-2N
		Heavy Duty, .12" Thick		JW-2ND
13	Race	2.35" O.D., 1.58" I.D., .04" Thick		JW-2-5T
14	Turbine Hub	27 Spline, 3.56" O.D.		PX-13-15HT
15	Turbine			
16	Rivet	.168" Shank Dia., 370" Long	16	PX-12
17	Seal, Metal Clad	24mm O.D., 18mm I.D., 5mm Thick		PO-25-6
18	Ring, Snap			
19	Race	2.12" O.D., 1.46" I.D., .04" Thick		PW-2-9
20	Bearing	2.04" O.D., 1.38" I.D., .08" Thick		PW-2-7
21	Race	2.04" O.D., 1.38" I.D., .04" Thick		PW-2-8
22	Retainer	3.23" O.D., 2.30" I.D., .32" Thick		
23	Spring, Diaphragm	4.30" O.D., 2.94" I.D., .22" High, 24 Slots		PX-26-4
24	Pressure Plate			
25	Spring, Diaphragm	3.730" O.D., 3.038" I.D., .154" High, 24 Slots		PX-26-5
26	Lining	10.15" O.D., 9.36" I.D., .045" Thick, Both Sides	2	PX-23-10
27	Lockup Clutch	11.04" O.D., 9.36" I.D., .12 Thick, 24 Teeth , w/2 Linings		PX-26-3
28	Bushing, Cover			PB-18-1
29	Seal			PO-25
30	Cover, Front			

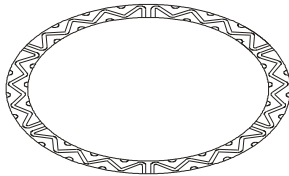
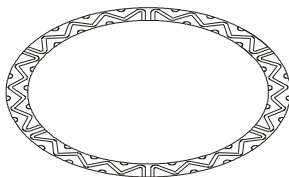
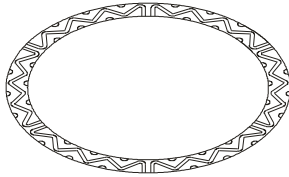
ZF6HP19, 245mm

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color Blue	For Hubs Dia. 1-3/4" / 44.5mm		MHC-BU
Hub, Impeller	Flanged, 2 Slots, Heat Treated	Flange O.D.: 2.890" / 73.4mm Journal Dia.: 1.772" / 45.0mm Height: 2.260" / 57.4mm Assembled Height: 2.129" / 54.1mm		PH-1-14GRC
Bearing	Material: Hardened Steel Enclosed	O.D.: 2.430" / 61.7mm Race O.D.: 2.51" / 63.8mm I.D.: 1.510" / 38.4mm Thick.: 0.188" / 4.8mm		PW-2-10HD
Sprag	Material: Steel	Outer Race I.D. 2.615" / 66.4mm Inner Race O.D. 1.958" / 49.7mm Width .457" / 11.6mm 18 Cams		PC-6
Inner Race	Material: Hardened Steel	O.D. 1.957" / 49.7mm Length 0.727" / 18.5mm Spline: 43		PX-14-10
Lining	Friction, High Carbon, Solid Replacement. (2 per Clutch Plate)	O.D. 9.150" / 232.4mm I.D. 7.875" / 200.0mm Thick. .045" / 1.1mm		PX-23-20HC*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
Clutch Plate	Friction Material: Steel & 2 Friction linings	O.D. 9.845" / 250.0mm I.D. 7.875" / 200.0mm Thick. .160" / 4.0mm 24 Bent Teeth		PX-26-11
O-Ring	Material: Fluorocarbon	I.D. 4.140" / 105.2mm Thick. 0.105" / 2.7mm		TO-25-6V
Ball Bearing	Material: Steel Front cover hub	O.D. 1.850" / 47.0mm I.D. 1.378" / 35.0mm Thick. 0.276" / 7.0mm		PW-9-7

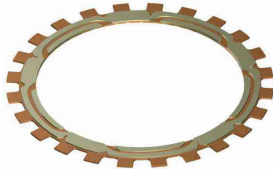
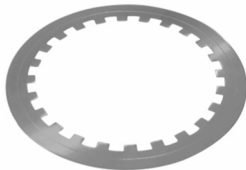
ZF6HP19, 245mm

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Ball Bearing	Material: Steel Front cover hub	O.D. 1.850" / 47.0mm I.D. 1.378" / 35.0mm Thick. 0.276" / 7.0mm		PW-9-7
Metal Clad Seal	Material: Steel & Fluorocarbon, Flanged	Housing .945" / 24mm Shaft .710" / 18mm Thick. .177" / 4.5mm		PO-25-7
Metal Clad Seal	Material: Steel & Fluorocarbon, Flanged			PO-25-6

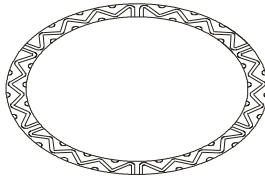
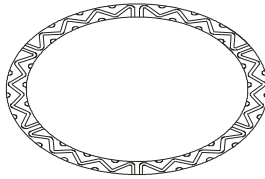
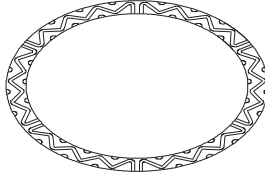
ZF6HP19, 245mm (LuK), 6L45

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia. 1.750"/ 44.5mm Length :1.500"/ 38.1mm		MHC-BU
Seal Ring	Material: PTFE Solid, Color: White With a Large 30° Chamfer on the O.D.	O.D. 2.404"/61.1mm Width 0.087"/2.2mm Height 0.081"/2.1mm		PO-25-10
Lining	Material: Tan Grooved OE Design	O.D. 8.645"/219.6mm I.D. 7.325"/186.1mm Thick. 0.045"/1.1mm		PX-23-25MT
Lining	Material: Kevlar® Grooved OE Design	O.D. 8.645"/219.6mm I.D. 7.325"/186.1mm Thick. 0.045"/1.1mm		PX-23-25MK
Lining	Material: Kevlar® Grooved OE Design	O.D. 8.645"/219.6mm I.D. 7.325"/186.1mm Thick. 0.070"/1.8mm		PX-23-25X70MK*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
Clutch Plate	Friction Internal Spline	O.D. 8.670"/220.2mm I.D. 6.300"/160 mm Thick. 0.138"/3.5mm		PX-26-21
Rivet	Rivet Head Flat Rivet Type Solid 6 Required	Length 0.272"/6.9mm Shank Dia.: 0.200"/5.1mm Head Dia.: 0.280"/7.1mm		PX-12-2

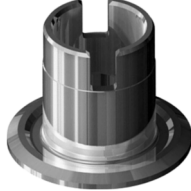
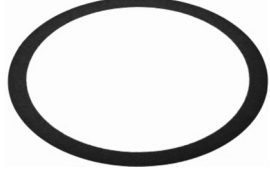
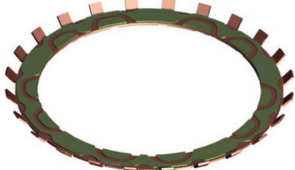
ZF6HP19 255mm

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Clutch Plate	Friction Material: Steel, Friction linings 2 required	O.D.: 8.071"/ 205.0mm I.D.: 6.300"/ 160.0mm Thick.: .145"/ 3.7mm 24 Teeth		PX-26-12
Clutch Plate	Steel	O.D.: 7.570"/ 192.0mm I.D.: 5.703"/ 145.1mm Thick.: .108"/ 2.7mm 24 Teeth		PX-26-13
Sprag	Material: Steel	Outer Race Dia.: 2.615"/ 66.4mm Inner Race Dia.: 1.958"/ 49.7mm Width: .457"/ 11.6mm 18 Cams		PC-6

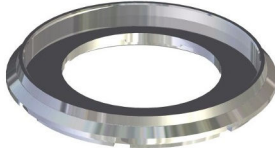
ZF6HP21, 245mm (LuK)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia.: 1.750"/44.5mm Length: 1.500"/ 38.1 mm		MHC-BU
Seal Ring	Material: PTFE Solid, Color: White With a Large 30° Chamfer on the O.D.	O.D. 2.410"/ 61.2 mm Width 0.087"/ 2.2 mm Height 0.081"/ 2.1 mm		PO-25-10
Lining	Material: Tan Grooved OE Design	O.D. 8.645"/ 219.6 mm I.D. 7.325"/ 186.1 mm Thick. 0.045"/ 1.1 mm		PX-23-25MT
Lining	Material: Kevlar® Grooved OE Design	O.D. 8.645"/ 219.6 mm I.D. 7.325"/ 186.1 mm Thick. 0.045"/ 1.1 mm		PX-23-25MK
Lining	Material: Kevlar® Grooved OE Design	O.D. 8.645"/ 219.6 mm I.D. 7.325"/ 186.1 mm Thick. 0.070"/ 1.8 mm		PX-23-25X70MK*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
Clutch Plate	Friction 4 Internal Tab	O.D. 8.670"/ 220.2 mm I.D. 4.240"/ 107.7 mm Thick. 0.138"/ 3.5 mm Bolt Circle Dia.: 4.975"/ 126.4 mm		PX-26-20
Rivet	Rivet Head Flat Rivet Type Solid 6 Required	Length 0.272"/ 6.9 mm Shank Dia.: 0.200"/ 5.1 mm Head Dia.: 0.280"/ 7.1 mm		PX-12-2
Rivet	Type: Solid Rivet Head: Flat 8 Required	Length 0.278"/ 7.1 mm Shank Dia.: 0.236"/ 6 mm Head Dia.: 0.355"/ 9mm		PX-12-4

ZF6HP26 260mm

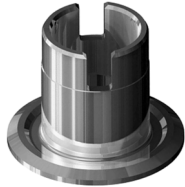
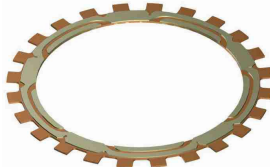
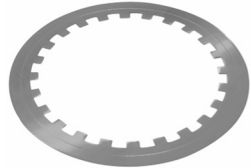
	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color Blue	For Hubs Dia. 1-3/4"/ 44.4mm		MHC-BU
Hub, Impeller	Flanged, 2 slots, Heat Treated	Flange O.D.: 2.890"/ 73.4mm Journal Dia.: 1.772"/ 45.0mm Height: 2.260"/ 57.4mm Assembled Height: 2.129"/ 54.1mm		PH-1-14GRC
Bearing	Material: Hardened Steel Enclosed, 2 Required, Both Sides of Stator.	O.D.: 2.430"/ 61.7mm Race O.D.: 2.510"/ 63.8mm I.D.: 1.510"/ 38.4mm Thick.: 0.188"/ 4.8mm		PW-2-10HD
Retainer Repair Ring	Material: Steel	O.D. 3.555"/ 90.4mm I.D. 2.173"/ 57.0mm Thick. 0.100"/ 2.5mm		PX-22-6
Lining	Friction, High Carbon, Solid Replacement. (2 per Clutch Plate)	O.D. 9.710"/ 246.6mm I.D. 8.190"/ 208.0mm Thick. 0.045"/ 1.1mm		PX-23-19HC*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
Clutch Plate	Friction Material: Steel & 2 Friction linings	O.D. 10.625"/ 269.9mm I.D. 8.190"/ 208.0mm Thick. .160"/ 24 Bent Teeth		PX-26-10
O-Ring	Material: Fluorocarbon, Front cover hub	I.D. 2.76"/ 70.1mm Thick. 0.098"/ 2.5mm		PO-25-1
Metal Clad Seal	Material: Steel & Fluorocarbon, Flanged, Front cover hub	Housing .945"/ 24.0mm Shaft .709"/ 18.0mm Thick. .177"/ 4.5mm		PO-25-7
Ball Bearing	Material: Steel Front cover hub	O.D. 1.850"/ 47.0mm I.D. 1.378"/ 35.0mm Thick. 0.276"/ 7.0mm		PW-9-7
Metal Clad Seal	Material: Steel & Fluorocarbon, Front cover hub			PO-25-6

ZF6HP26
Jaguar 2.7 V6, Y85

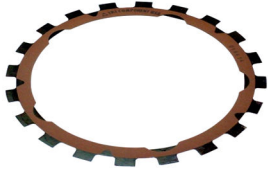
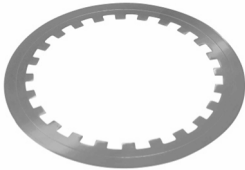
	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hub, Impeller	Flanged, 2 slots, Heat Treated	O.D. 1.771" / 45.0mm Height 2.087" / 53.0mm		PH-1-14GRC
Stator cap	Aluminum	O.D. 2.79" / 70.9mm I.D. 1.63" / 41.4mm Thick. 0.36" / 9.1mm		PW-4-14
Bearing	Enclosed	O.D. 2.43" / 61.7mm I.D. 1.51" / 38.4mm Thick. 0.188" / 4.8mm		PW-2-10HD
Bearing	Ball	O.D. 1.850" / 47mm I.D. 1.378" / 35mm Thick. 0.276" / 7mm		PW-9-7
Clutch Plate	Friction, 24 Teeth	O.D. 8.08" / 205mm I.D. 6.30" / 160mm Thick. 0.14" / 3.6mm		PX-26-12
Plate, Steel	24 Teeth	O.D. 7.56" / 192mm I.D. 5.71" / 145mm Thick. 0.11" / 2.7mm		PX-26-13
Metal Clad Seal	With Lip	18mm x 24mm x 4.5mm		PO-25-7
O-Ring	Fluorocarbon	I.D. 2.76" / 70mm Thick. 0.098" / 2.5mm		PO-25-1

Items not yet in stock are in production planning. Your Tri Component representative will advise availability as per your requirements. Your suggestions for additional items will be directed to engineering.

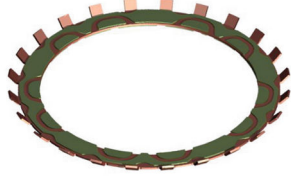
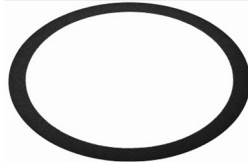
ZF6HP26 255mm

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia.: 1-3/4" / 44.5mm		MHC-BU
Hub, Impeller	Flanged, 2 slots, Heat Treated	Flange O.D.: 2.890" / 73.4mm Journal Dia.: 1.772" / 45.0mm Height: 2.260" / 57.4mm Assembled Height: 2.129" / 54.1mm		PH-1-14GRC
Bearing	Material: Hardened Steel Enclosed Impeller-side	O.D.: 2.430" / 61.7mm Race O.D.: 2.510" / 63.8mm I.D.: 1.510" / 38.4mm Thick.: 0.188" / 4.8mm		PW-2-10HD
Sprag	Material: Steel	Outer Race Dia.: 2.615" / 66.4mm Inner Race Dia.: 1.958" / 49.7mm Width: .457" / 11.6mm 18 Cams		PC-6
Clutch Plate	Friction Material: Steel, Friction linings 2 required	O.D.: 8.071" / 205.0mm I.D.: 6.300" / 160.0mm Thick.: .145" / 3.7mm 24 Teeth		PX-26-12
Clutch Plate	Steel	O.D.: 7.570" / 192.0mm I.D.: 5.703" / 145.1mm Thick.: .108" / 2.7mm 24 Teeth		PX-26-13
O-Ring	Material: Fluorocarbon	I.D.: 2.550" / 64.8mm Thick.: .103" / 2.6mm		PO-25-15
Metal Clad Seal	Material: Steel, Fluorocarbon	Housing: .945" / 24mm Shaft: .709" / 18mm		PO-25-6
Metal Clad Seal	Material: Steel, Fluorocarbon. Flanged	Housing: .945" / 24mm Shaft: .710" / 18mm		PO-25-7
Ball Bearing	Material: Hardened Steel Front Cover Hub	O.D.: 1.850" / 47.0mm I.D.: 1.378" / 35.0mm Thick.: 0.276" / 7.0mm		PW-9-7

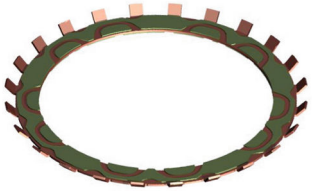
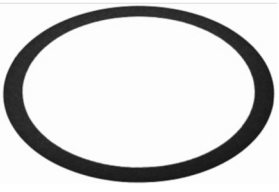
ZF6HP26 275mm

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Clutch Plate	Friction Material: Steel and Friction Linings. 2 required	O.D.: 9.060"/ 230.1mm I.D.: 7.283"/ 185.4mm Thick.: .109"/2.8mm 20 Teeth		PX-26-15
Clutch Plate	Steel	O.D.: 8.355"/ 212.2mm I.D.: 6.695"/ 170.1mm Thick.: .094"/ 2.4mm 24 Teeth		PX-26-23

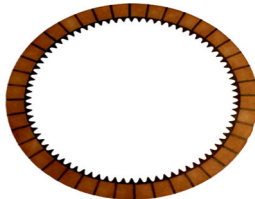
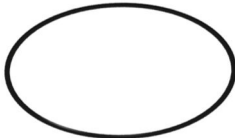
ZF6HP26 280mm

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Clutch Plate	Friction Material: Steel & 2 Friction linings	O.D.:11.320"/ 287.5mm I.D.: 8.775"/ 222.9mm Thick.: .157"/4.0mm 24 Bent Teeth		PX-26-9
Lining	Material:High Carbon	O.D.: 10.250"/ 260.3mm I.D.: 8.785"/ 223.1mm Thick.: 0.045/ 1.1mm		PX-23-17HC*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
Sprag	Material: Steel	Outer Race I.D.: 2.615"/ 66.4mm Inner Race O.D.: 1.958"/ 49.7mm Width: .457"/ 11.6mm 18 Cams		PC-6

ZF6HP28

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Clutch Plate	Friction Material: Steel & 2 Friction linings	O.D. 11.320"/ 287.5mm I.D. 8.775"/ 222.9mm Thick. .157"/4.0mm 24 Bent Teeth		PX-26-9
Lining	Material:High Carbon	O.D.: 10.250"/ 260.3mm I.D.: 8.785"/ 223.1mm Thick.: 0.045/ 1.1mm		PX-23-17HC*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
Sprag	Steel	Outer Race I.D. 2.615"/ 66.4mm Inner Race O.D. 1.958"/ 49.7mm Width .457"/ 11.6mm 18 Cams		PC-6

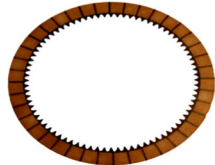
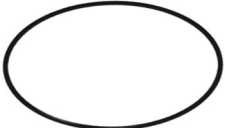
ZF8HP45

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Red	For Hub Dia.: 2.000"/ 50.8mm		MHC-R
Bearing	Material: Hardened Steel Enclosed Turbine-Side	O.D. 2.430"/61.7mm Race O.D.2.510"/63.8mm I.D. 1.510"/38.4mm Thick. 0.188"/4.8mm		PW-2-10HD
Bearing	Material: Hardened Steel Semi-Enclosed Impeller-Side	O.D.: 2.780"/ 70.6mm I.D.: 1.900"/ 48.3mm Thick.: 0.150"/ 3.8mm		PW-2-14
Bearing Race	Material: Hardened Steel Tang Count: 2	O.D.: 2.900"/ 73.7mm I.D.: 1.950"/ 49.5mm Thick.: 0.032"/ 0.8mm		PW-2-16
Clutch Plate	Material: Steel 30 External Teeth	O.D. 8.151"/ 207mm I.D. 6.499"/ 165.1mm Thick. 0.169"/ 4.3mm		PX-26-17
Clutch Plate	Friction 80 Internal Teeth	O.D. 7.768"/197.3mm I.D. 6.120"/155.4mm Thick. 0.096"/2.4mm		PX-26-14
Clutch Plate	Material: Steel 30 External Teeth	O.D. 8.151"/207mm I.D. 6.499"/ 165.1mm Thick. 0.109"/2.9mm		PX-26-18
Seal Ring	Material: Fluorocarbon Color Black Solid	O.D. 7.700"/195.6mm Width 0.072"/1.8mm Height 0.176"/4.5mm		PO-25-11
O-Ring	Material: Fluorocarbon Color Black	I.D. 0.703"/ 25.4mm Cross Section 0.083"/ 2.1mm		PO-25-14

ZF8HP45

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Seal Ring	Material: Torlon® Seal Style Compound Finger Joint	O.D. 1.722" / 43.7mm Width 0.094" / 2.4mm		PO-25-13
Turbine Washer	Material: Vespel®	O.D. 1.516" / 38.5mm I.D. 0.984" / 25mm Thick. 0.079" / 2mm		PW-9-9
Seal Ring	Material: Fluorocarbon Color Black 4-Lobed	O.D. 4.349" / 110.5mm Width 0.194" / 4.9mm Height 0.174" / 4.4mm		PO-25-12

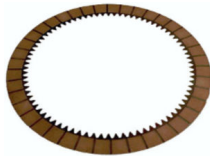
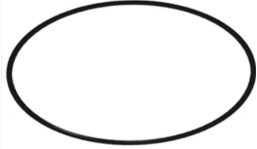
ZF8HP55

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color Red	For Hub Dia.: 2.000"/ 50.8mm		MHC-R
Bearing	Material: Hardened Steel Enclosed Turbine-Side	O.D. 2.430"/ 61.7mm Race O.D. 2.510"/63.8mm I.D. 1.510"/ 38.4mm Thick. 0.188"/ 4.8mm		PW-2-10HD
Bearing	Material: Hardened Steel Semi-Enclosed Impeller-Side	O.D.: 2.780"/ 70.6mm I.D.: 1.900"/ 48.3mm Thick.: 0.150"/ 3.8mm		PW-2-14
Bearing Race	Material: Hardened Steel Tang Count: 2	O.D.: 2.900"/ 73.7mm I.D.: 1.950"/ 49.5mm Thick.: 0.032"/ 0.8mm		PW-2-16
Clutch Plate	Material: Steel 30 External Teeth Turbine side	O.D. 8.151"/207mm I.D. 6.499"/165.1mm Thick. 0.169"/ 4.3mm		PX-26-17
Clutch Plate	Friction 80 Internal Teeth 2 required	O.D. 7.768"/197.3mm I.D. 6.120"/155.4mm Thick. 0.096"/2.4mm		PX-26-14
Clutch Plate	Material: Steel 30 External Teeth Install Between 2 Friction Plates	O.D. 8.151"/207mm I.D. 6.499"/165.1mm Thick. 0.071"/1.8mm		PX-26-19
Clutch Plate	Material: Steel 30 External Teeth Front Cover Side	O.D. 8.151"/207mm I.D. 6.499"/165.1mm Thick. 0.109"/2.8mm		PX-26-18
Seal Ring	Material: Fluorocarbon Color Black Solid	O.D. 7.700"/195.6mm Width 0.072"/1.8mm Height 0.176"/4.5mm		PO-25-11
O-Ring	Material: Fluorocarbon Color: Black	I.D. 0.703"/17.9mm Cross Section 0.083"/2.1mm		PO-25-14

ZF8HP55

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Seal Ring	Material: Torlon® Seal Style Compound Finger Joint	O.D. 1.722"/43.7mm Width 0.094"/2.4mm		PO-25-13
Turbine Washer	Material: Vespel®	O.D. 1.516" /38.5mm I.D. 0.984" /25mm Thick. 0.079"/2mm		PW-9-9
Seal Ring	Material: Fluorocarbon Color Black 4-Lobed	O.D. 4.349"/110.5mm Width 0.194"/4.9mm Height 0.174"/4.4mm		PO-25-12

ZF8HP70

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Red	For Hub Dia.: 2.000"/ 50.8mm		MHC-R
Bearing	Material: Hardened Steel Enclosed. Turbine-Side	O.D. 2.430"/ 61.7mm Race O.D. 2.510"/63.8mm I.D. 1.510"/ 38.4mm Thick. 0.188"/ 4.8mm		PW-2-10HD
Bearing	Material: Hardened Steel Semi-Enclosed Impeller-Side	O.D.: 2.780"/ 70.6mm I.D.: 1.900"/ 48.3mm Thick.: 0.150"/ 3.8mm		PW-2-14
Bearing Race	Material: Hardened Steel Tang Count: 2	O.D.: 2.900"/ 73.7mm I.D.: 1.950"/ 49.5mm Thick.: 0.039"/ 1.0mm		PW-2-15
Bearing Race	Material: Hardened Steel Tang Count: 2	O.D.: 2.900"/ 73.7mm I.D.: 1.950"/ 49.5mm Thick.: 0.032"/ 0.8mm		PW-2-16
Pressure Plate	Steel	O.D. 8.151"/207.0mm I.D. 6.499"/ 165.0mm Thick. 0.169"/ 4.3mm 30 External Teeth		PX-26-17
Clutch Plate	Steel Install between 2 friction plates	O.D. 8.151"/207.0mm I.D. 6.499"/ 165.0mm Thick. 0.071"/ 1.8mm 30 External Teeth		PX-26-19
Clutch Plate	Steel Next to Front Cover	O.D. 8.151"/ 207.0mm I.D. 6.499"/ 165.0mm Thick. 0.109"/ 2.8mm 30 External Teeth		PX-26-18
Clutch Plate	Friction 2 Required	O.D. 7.768"/ 197.3mm I.D. 6.120"/ 155.4mm Thick. 0.096"/ 2.4mm 80 Internal Teeth		PX-26-14
Seal	Material: Fluorocarbon Color Black Outer Piston Seal	O.D. 7.700"/ 195.6mm Width 0.072"/ 1.8mm Height 0.176"/ 4.5mm		PO-25-11

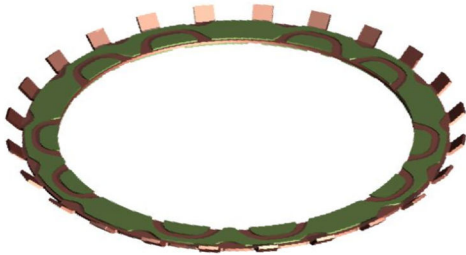
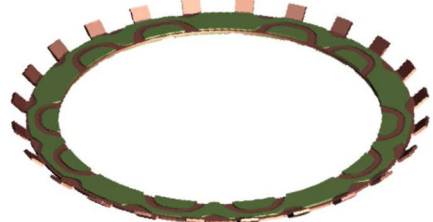
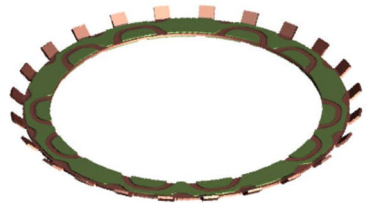
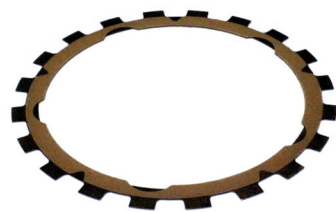
ZF8HP70

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
O-Ring	Material: Fluorocarbon Color Black	I.D. 0.703"/ 18.9mm Cross Section 0.083"/ 2.1mm		PO-25-14
Seal	Material: Polyimide Seal Style: Compound Finger Joint	O.D. 1.696"/ 43.1mm Width 0.095"/ 2.4mm		PO-25-13
Seal	Material: Fluorocarbon Color Black 4-Lobed. Inner piston	O.D. 4.349"/ 110.5mm Width 0.194"/ 4.9mm Height 0.174"/ 4.4mm		PO-25-12
Turbine Washer	Material: Polyimide	O.D. 1.516"/ 38.5mm I.D. 0.984"/ 25.0mm Thick. 0.079"/ 2.0mm		PW-9-9

ZF9HP48 (948TE)

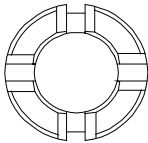
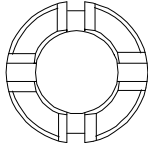
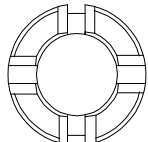
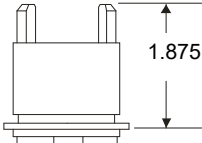
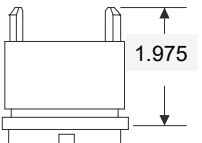
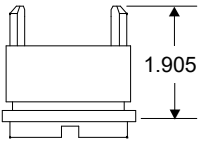
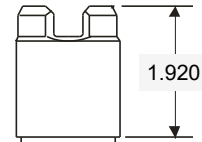
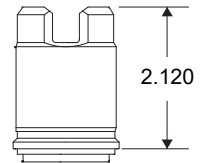
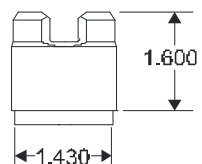
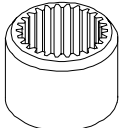
	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia.: 1-3/4"/ 44.5mm		MHC-BU
Bearing	Material: Hardened Steel Enclosed	O.D.: 2.896"/ 73.6mm I.D.: 2.087"/ 53.2mm Thick.: 0.180"/ 4.6mm		TW-2-22
O-Ring	Material: Fluorocarbon	I.D.: 2.347"/ 69.6mm Thick.: .106"/ 2.7mm		PO-25-17
Lining	Material: KEVLAR®	O.D.:10.236"/ 260.0mm I.D.: 8.870"/ 225.3mm Thick.: 0.070"/ 1.8mm		PX-23-27X70K*
Lining	Material: KEVLAR®	O.D.:10.236"/ 260.0mm I.D.: 8.870"/ 225.3mm Thick.: 0.045"/ 1.1mm		PX-23-27K*
<i>* - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
O-Ring	Material: Fluorocarbon	I.D.: 0.633"/ 16.1mm Thick.: .111"/ 2.8mm		PO-25-16

**ZF PARTS,
Not Cataloged Elsewhere**

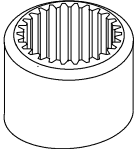
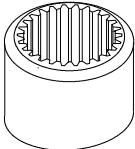
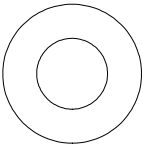
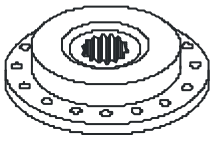
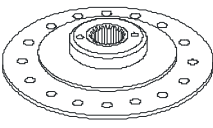
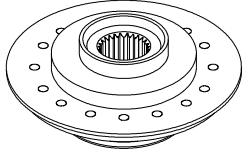
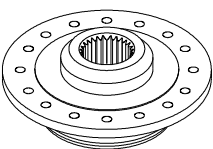
ZF LOCKUP				
	APPLICATION	DIMENSIONS	ILLUSTRATION	PART #
Clutch Plate	ZF5HP24 BMW X5 / 4.6L ZF6HP26 280mm	11.320"/ 288mm O.D., 8.775"/ 223mm I.D., 0.157"/ 4mm Thick 24 Teeth		PX-26-9
Clutch Plate	ZF6HP26 260mm BMW 745, Jaguar S, XK8 Audi A8	10.625"/ 269mm O.D., 8.190"/ 208mm I.D., 0.160"/ 4mm Thick 24 Teeth		PX-26-10
Clutch Plate	ZF6HP19 525i, 530i BMW ZF6HP19 245mm	9.845"/ 250mm O.D., 7.875"/ 200mm I.D., 0.160"/ 4mm Thick 24 Teeth		PX-26-11
Clutch Plate	ZF6HP26 275mm	9.060"/ 250mm O.D., 7.298"/ 185mm I.D., 0.109" 3mm Thick 20 Flat Teeth		PX-26-15
Beefplate™	ZF5HP19 ZF5HP24	3.56"/ 90.4mm O.D., 2.24"/ 57.0mm I.D. 0.10"/ 2.5mm Thick		PX-22-5
Beefplate™	ZF6HP26	3.56"/ 90.4mm O.D., 2.17"/ 55.1mm I.D. 0.10"/ 2.5mm Thick		PX-22-6

Items not yet in stock are in production planning. Your Tri Component representative will advise availability as per your requirements. Your suggestions for additional items will be directed to engineering.

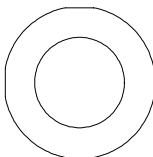
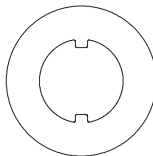
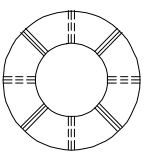
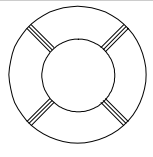
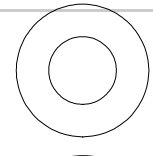
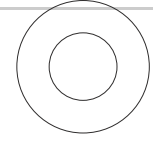
ZF,
Not Cataloged Elsewhere, Continued

ZF NON - LOCKUP, Peugeot, BMW, Alfa Romeo				
	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Cap, Stator	Aluminum, ZF-4HP14	2.51" (64mm) O.D., 1.43" (36mm) I.D., .44" (11mm) Thick 2.31" (59mm) Step Dia.		PW-4-7
Cap, Stator	Aluminum BM-16 ZF4-HP4	2.46" (62.5mm) O.D., 1.434" (36.4mm) I.D., .27" (6.9mm) Thick 2.28" (58mm) Step Dia.,		PW-4-8
Cap, Stator	Aluminum ZF-4HP-22	2.49" (63mm) O.D., 1.53" (38.9mm) I.D. .46" (11.7) Thick 2.30" Step Dia.		PW-4-9
Hub, Impeller	2 Lugs, Takes TW-2 Steel Washer, ZF-3HP12	1.495" (38mm) O.D.		PH-1G
Hub, Impeller	2 Lugs, ZF-3HP20	1.888" (48mm) O.D.		PH-1-2G
Hub, Impeller	2 Lugs, ZF-3HP20	1.888" (48mm) O.D.		PH-1-3G
Hub, Impeller	2 Slots, ZF-3HP22	1.574" (40mm) O.D.		PH-1-4G
Hub, Impeller	2 Slots, ZF-3HP22	1.574" (40mm) O.D.		PH-1-5G
Hub, Impeller	2 Slots, ZF-3HP22, Non-Lockup	1.554" (39mm) O.D.		PH-1-6TG
Insert, Spline	Non-Lockup	1.31" (33mm) O.D., .95" (24mm) High 27 Spline		PX-13-27

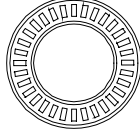
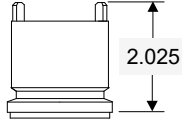
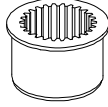
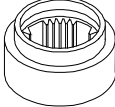
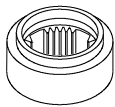
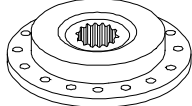
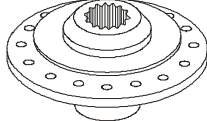
ZF,
Not Cataloged Elsewhere, Continued

ZF NON - LOCKUP, Peugeot, BMW, Alfa Romeo				
DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART #	
Insert, Spline	With Seal Bore For Lockup	1.31" (33.3mm) O.D., 1.38" (35.1mm) High 27 Spline		PX-13-27L
Insert, Spline	With Seal Bore For Range Rover	1.31" (33.3mm) O.D., 1.50" (38.1mm) High 27 Spline		PX-13-27LR
Roller	Stator	.235" (6 mm) O.D., .47" (12mm) Long		PR-7
Shim	End Play	2.87" (72.9mm) O.D., 1.47" (37.3mm) I.D. .02" (0.5mm) Thick		TW-2X
Sprag	ZF-3HP22	1.957 Inner Race O.D.; 2.613 Outer Race I.D., 0.530 thickness 22 Cams		VC-6-1
Turbine Hub	27 Spline	3.50" (88.9mm) O.D.		PX-13-2HT
Turbine Hub	22 Spline	3.50" (88.9mm) O.D.		PX-13-11HT
Turbine Hub (For BM-2)	27 Spline	4.14" (105.2mm) O.D.		PX-13-16HT
Turbine Hub	27 Spline	3.56" (90.4mm) O.D.		PX-13-17HT

ZF,
Not Cataloged Elsewhere, Continued

ZF NON - LOCKUP, PEUGEOT, BMW, ALFA ROMEO				
	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART #
Washer, Steel	ZF-3HP22	2.95" (75.7mm) O.D., 1.75" (44.5mm) I.D. .09" (2.3mm) Thick		WW-2-4
Washer, Steel	ZF-3HP20	2.87" (62.9mm) O.D., 1.59" (40.4mm) I.D. .06" (1.5mm) Thick		PW-2-2
Washer, Turbine	Fibre, Replaces Bronze Selective	2.75" (69.9mm) O.D., 1.33" (33.8mm) I.D., .062" (1.6mm) Thick .070" (1.8mm) Thick .079" (2 mm) Thick .087" (2.2mm) Thick .096" (2.4mm) Thick .106" (2.7mm) Thick .045" (1.1mm) Thick		FW-9-4A FW-9-4B FW-9-4C FW-9-4D FW-9-4E FW-9-4F FW-9-4T
Washer, Turbine	Late, Fibre	2.74" (69.6 mm) O.D., 1.45" (36.8 mm) I.D., .12" (3 mm) Thick		PW-9-1
Washer, Turbine	Fibre	2.36" (60 mm) O.D., 1.34" (34 mm) I.D. .062 (1.8 mm) Thick		PW-9-062
Washer, Turbine	Fibre	2.36" (60 mm) O.D., 1.34" (34 mm) I.D. .094 (2.4 mm) Thick		PW-9-094

ZF,
Not Cataloged Elsewhere, Continued

ZF NON - LOCKUP, PEUGEOT, BMW, ALFA ROMEO				
	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART #
INDUSTRIAL				
Bearing, Needle	Cover To Turbine	3.03" (77 mm) O.D., 2.16" (54.9mm) I.D., .12" (3 mm) Thick		PW-9-4
Hub, Impeller	2 Lugs (Can Also Use FH-1MTG)	1.937"(49.2mm) O.D.		WH-1-13G
Insert, Spline	29 Spline	1.19" (30.2mm) O.D., 1.03" (26.2mm) High		WX-13-29
Race, Inner	31 Spline, 10 Removed	2.16" (54.9mm) O.D., 1.647" (41.8mm)High		PX-14-6
Race, Inner	31 Spline, 10 Removed	2.16" (54.9mm) O.D., 1.515" (38.5mm)High		PX-14-9
Turbine Hub	29 Spline	3.5" (88.9mm) O.D.		PX-13-3HT
Turbine Hub	27 Spline	3.56" (9.4mm) O.D.		PX-13-13HT

PARTS FINDER

BALANCE WEIGHTS

PART #	WEIGHT	LENGTH	ILL.
MP-02	2gm	0.280	
MP-03	3gm	0.435	
MP-05	5gm	0.680	
MP-08	8gm	1.084	
MP-10	10gm	1.352	
MP-12	12gm	1.621	
MP-15	15gm	2.021	
MP-17	17gm	2.284	
MP-20	20gm	2.680	
MP-24	24gm	3.200	
MP-30	30gm	4.174	

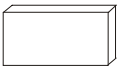
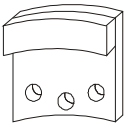
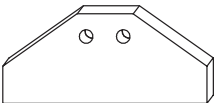
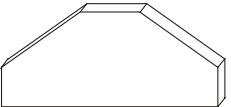
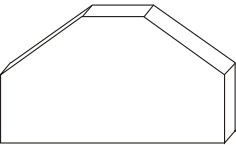
***CUSTOM WEIGHTS ARE PRODUCED
TO ORDER. SPEAK TO YOUR TRI PRO***

PART #	WEIGHT	LENGTH	ILL.
MP-05H	5gm	0.680	
MP-08H	8gm	1.084	
MP-10H	10gm	1.352	
MP-12H	12gm	1.621	
MP-15H	15gm	2.021	
MP-17H	17gm	2.284	
MP-20H	20gm	2.680	
MP-24H	24gm	3.200	
MP-30H	30gm	4.174	

CHRYSLER TURBINE WEIGHTS

TRI PART #	WEIGHT	RADIUS
4202144	1gm	0.405"
4202144-1	0.5gm	0.405"
4202145	1.8gm	0.405"
4202145-1	0.9gm	0.405"
4202146	3.6gm	0.405"
4202146-1	1.8gm	0.405"
4202147	5.2gm	0.405"
4202147-1	2.6gm	0.405"
4202148	5.4gm	0.405"
4202148-1	2.4gm	0.405"
4202150	2gm	0.780"
4202151	2.5gm	0.780"
4202152	6gm	0.780"
4202153	7.4gm	0.780"
4531394	1.9gm	0.606"
4531395	2.9gm	0.606"
4531396	6gm	0.606"
4531397	8.4gm	0.606"
4531398	1gm	0.606"
4531399	1.4gm	0.606"
4531400	3gm	0.606"
4736008	2.7gm	0.450"
4736009	4.0gm	0.450"
4736014	3.4gm	0.450"
4736015	4.7gm	0.450"

CHRYSLER BALANCE WEIGHTS

TRI PART #	WEIGHT	DIMENSIONS (inch)	ILLUSTRATION
TX-22WS	12gm	1.12 x .50	
TX-22WG	14gm	0.88 x .70	
TX-22WM	33gm	1.50 x .75	
TX-22WL	56gm	1.60 x .75	
TX-22WC	90gm	2.13 x 2.18	
TX-22WA	100gm	3.42 x 1.16	
TX-22WD	120gm	3.42 x 1.30	
TX-22WB	135gm	3.42 x 1.50	

BEARINGS

Listed In Order Of Ascending O.D.

O.D. (in)	I.D. (in)	Thick. (in)	O.D. (mm)	I.D. (mm)	Thick. (mm)	Design	Ref. #	TRI #
1.370	0.800	0.110	34.8	20.3	2.8	Semi- Enclosed	N/A	NW-9
1.378	0.787	0.079	35.0	20.0	2.0	Exposed	MI-N-1	AXK-2035
1.450	0.800	0.180	36.8	20.3	4.6	Enclosed	HO-N-2K	NW-9K
1.610	0.910	0.110	40.9	23.1	2.8	Semi- Enclosed	N/A	NW-9-1
1.654	1.181	0.276	42.0	30.0	7.0	Ball Bearing	FD-N-16	FW-9-29
1.690	0.910	0.190	42.9	23.1	4.8	Enclosed	N/A	NW-9-1K
1.717	0.988	0.157	43.6	25.1	4.0	Exposed	CH-N-6	TW-9-27
1.740	1.130	0.078	44.2	28.7	2.0	Exposed	N/A	JW-9-3
1.750	1.125	0.078	44.5	28.6	2.0	Exposed	N/A	NTA-1828
1.850	1.378	0.276	47.0	35.0	7.0	Ball Bearing	FS-N-5	PW-9-7
1.882	1.357	0.109	47.8	34.5	2.8	Semi- Enclosed	N/A	TW-2-5
1.928	1.204	0.231	49.0	30.6	5.9	Enclosed	N/A	TW-2-17
1.938	1.250	0.078	49.2	31.8	2.0	Exposed	MI-N-4	NTA-2031
2.020	1.311	0.161	51.3	33.3	4.1	Enclosed	MB-N-3	HW-2-1
2.037	1.384	0.078	51.7	35.2	2.0	Exposed	MI-N-15	PW-2-7
2.047	0.787	0.591	52.0	20.0	15.0	Ball Bearing	MI-N-6304	MB-6304
2.047	1.112	0.110	52.0	28.2	2.8	Semi-Enclosed	TO-N-10	YW-9-6
2.047	1.260	0.208	52.0	32.0	5.3	Enclosed	FD-N-17	FW-9-31
2.047	1.260	0.216	52.0	32.0	5.5	Enclosed	FD-N-17T	FW-9-32
2.047	1.575	0.276	52.0	40.0	7.0	Ball Bearing	CH-N-10	TW-9-24
2.062	1.375	0.078	52.4	34.9	2.0	Exposed	MI-N-4	NTA-2233
2.087	1.408	0.156	53.0	35.8	4.0	Enclosed	RE-N-3	RW-2-2
2.165	1.378	0.394	55.0	35.0	10.0	Ball Bearing	FD-N-12	FW-2-16
2.170	1.500	0.078	55.1	38.1	2.0	Exposed	N/A	NTA-2435
2.170	1.500	0.078	55.1	38.1	2.0	Exposed	N/A	SW-2
2.170	1.500	0.078	55.1	38.1	2.0	Exposed	GM-N-1L	SW-2D
2.175	1.506	0.125	55.2	38.3	3.2	Exposed	GM-N-1H	SW-2-1
2.175	1.506	0.156	55.2	38.3	4.0	Exposed	GM-N-2H	SW-2-1HD
2.190	1.390	0.161	55.6	35.3	4.1	Enclosed	N/A	PW-2-11

BEARINGS, continued
Listed In Order Of Ascending O.D.

O.D. (in)	I.D. (in)	Thick. (in)	O.D. (mm)	I.D. (mm)	Thick. (mm)	Design	Ref. #	TRI #
2.237	1.307	0.226	56.8	33.2	5.7	Enclosed	MT-N-2	TW-2-25
2.240	1.390	0.134	56.9	35.3	3.4	Semi- Enclosed	N/A	TW-2-14
2.244	1.300	0.228	57.0	33.0	5.8	Enclosed	MT-N-2	TW-2-21
2.250	1.436	0.134	57.2	36.5	3.4	Enclosed	MI-N-24	MW-2-1
2.273	1.500	0.184	57.7	38.1	4.7	Enclosed	MB-N-4	HW-2-6
2.283	1.968	0.787	58.0	50.0	20.0	Ball Bearing	N/A	HK-5020
2.290	1.540	0.143	58.2	39.1	3.6	Enclosed	FD-N-6	FW-2-8
2.320	1.580	0.210	58.9	40.1	5.3	Enclosed	N/A	HW-2-5
2.350	1.560	0.150	59.7	39.6	3.8	Enclosed	FD-N-5	FW-2-6
2.360	1.580	0.110	59.9	40.1	2.8	Enclosed	N/A	VW-2-3
2.362	1.575	0.118	60.0	40.0	3.0	Exposed	MI-N-3	JW-2N
2.362	1.575	0.125	60.0	40.0	3.2	Exposed	N/A	JW-2ND (FNT-4060)
2.362	1.574	0.079	60.0	40.0	2.0	Exposed	FS-N-3	PW-2-6
2.400	1.070	0.134	61.0	27.2	3.4	Enclosed	CH-N-9	TW-9-13
2.430	1.310	0.150	61.7	33.3	3.8	Semi-Enclosed	N/A	PW-2-12
2.430	1.500	0.150	61.7	38.1	3.8	Semi-Enclosed	N/A	YW-2-21
2.430	1.510	0.188	61.7	38.4	4.8	Enclosed	FS-N-4	PW-2-10HD
2.436	1.496	0.150	61.9	38.0	3.8	Semi-Enclosed	TO-N-13	YW-2-16
2.440	1.380	0.550	62.0	35.1	14.0	Ball Bearing	FD-N-13	FW-2-14
2.441	1.496	0.197	62.0	38.0	5.0	Enclosed	JA-N-7	JW-2-20
2.441	1.654	0.150	62.0	42.0	3.8	Semi- Enclosed	N/A	YW-2-9
2.470	1.670	0.140	62.7	42.4	3.6	Enclosed, 3 I.D Tags	GM-N-15	35402B
2.500	1.660	0.175	63.5	42.2	4.4	Enclosed, I.D. Lip	N/A	SW-2-13
2.500	1.670	0.140	63.5	42.4	3.6	Enclosed	N/A	35404
2.500	1.750	0.078	63.5	44.5	2.0	Exposed	MI-N-6	NTA-2840
2.547	1.775	0.157	64.7	45.1	4.0	Exposed	HO-N-1	NW-2
2.550	1.728	0.220	64.8	43.9	5.6	Semi- Enclosed	N/A	TW-2-12
2.560	1.700	0.190	65.0	43.2	4.8	Exposed	N/A	NW-2-1

BEARINGS, continued
Listed In Order Of Ascending O.D.

O.D. (in)	I.D. (in)	Thick. (in)	O.D. (mm)	I.D. (mm)	Thick. (mm)	Design	Ref. #	TRI #
2.560	1.730	0.220	65.0	43.9	5.6	Enclosed	N/A	JW-2-25
2.587	1.728	0.200	65.7	43.9	5.1	Enclosed	MB-N-1	HW-2-3
2.598	1.614	0.315	66.0	41.0	8.0	Enclosed, 6 Tangs	JA-N-8	JW-2-17
2.600	1.400	0.170	66.0	35.6	4.3	Enclosed	CH-N-8	TW-9-8
2.600	1.455	0.170	66.0	37.0	4.3	Enclosed	N/A	TW-9-6
2.609	1.842	0.149	66.3	46.8	3.8	Semi- Enclosed	N/A	YW-2-15
2.633	1.737	0.195	66.9	44.1	5.0	Enclosed	JA-N-11	JW-2-27
2.638	1.890	0.118	67.0	48.0	3.0	Semi- Enclosed	N/A	JW-2-22
2.640	1.760	0.160	67.1	44.7	4.1	Enclosed	GM-N-16	35403B
2.643	1.657	0.236	67.1	42.1	6.0	Enclosed, 12 Tangs	JA-N-5	JW-2-15
2.664	1.833	0.137	67.7	46.6	3.5	Exposed	N/A	YW-2-11
2.666	1.946	0.180	67.7	49.4	4.6	Enclosed	CH-N-3	TW-2-18
2.677	1.732	0.148	68.0	44.0	3.8	Semi- Enclosed	TO-N-6	YW-2-7
2.677	1.890	0.148	68.0	48.0	3.8	Semi- Enclosed	N/A	YW-2-10
2.713	1.654	0.276	68.9	42.0	7.0	Enclosed, 14 Tangs	JA-N-4	JW-2-14
2.713	1.654	0.276	68.9	42.0	7.0	Enclosed, 7 Tangs	JA-N-6	JW-2-16
2.750	2.000	0.078	69.9	50.8	2.0	Exposed	MI-N-8	NTA-3244
2.755	1.968	0.118	70.0	50.0	3.0	Exposed	N/A	AXK-5070
2.784	1.840	0.163	70.7	46.7	4.1	Enclosed	FD-N-8	FW-2-5
2.787	1.902	0.234	70.8	48.3	5.9	Enclosed	MT-N-3	TW-2-26
2.820	1.898	0.181	71.6	48.2	4.6	Enclosed	CH-N-1	TW-2-4
2.825	1.897	0.195	71.8	48.2	5.0	Enclosed	MB-N-5	HW-2-7
2.842	1.435	0.155	72.2	36.4	3.9	Semi- Enclosed	GM-N-8H	SW-2-8
2.846	1.972	0.177	72.3	50.1	4.5	Exposed	HO-N-4	NW-2-2
2.854	1.732	0.150	72.5	44.0	3.8	Semi-Enclosed	TO-N-11	YW-2-22
2.869	1.896	0.179	72.9	48.2	4.5	Enclosed	GMFD-N-2	SW-2-35
2.880	1.992	0.197	73.2	50.6	5.0	Enclosed	FD-N-7	FW-2-9
2.880	2.130	0.078	73.2	54.1	2.0	Exposed	MI-N-10	NTA-3446
2.890	2.138	0.141	73.4	54.3	3.6	Enclosed	GM-N-14H	35400C

BEARINGS, continued
Listed In Order Of Ascending O.D.

O.D. (in)	I.D. (in)	Thick. (in)	O.D. (mm)	I.D. (mm)	Thick. (mm)	Design	Ref. #	TRI #
2.892	2.086	0.181	73.5	53.0	4.6	Enclosed	N/A	TW-2-22
2.900	1.650	0.220	73.7	41.9	5.6	Enclosed, 12 Tangs	JA-N-9	JW-2-18
2.943	2.172	0.118	74.8	55.2	3.0	Exposed	HO-N-6	NW-2-3
2.968	2.062	0.143	75.4	52.4	3.6	Enclosed	RE-N-2	RW-2-1
2.980	2.098	0.196	75.7	53.3	5.0	Enclosed	GM-N-25	SW-2-38
2.983	2.167	0.195	75.8	55.0	5.0	Enclosed	MB-N-2	HW-2-2
2.993	2.293	0.149	76.0	58.2	3.8	Semi-Enclosed	TO-N-20	YW-2-30
3.000	1.779	0.188	76.2	45.2	4.8	Semi-Enclosed	CH-N-4	TW-2-23
3.025	2.042	0.237	76.8	51.9	6.0	Enclosed	JA-N-12	JW-2-26
3.027	2.050	0.236	76.9	52.0	6.0	Enclosed, 14 Tangs	JA-N-3	JW-2-2
3.030	2.160	0.120	77.0	54.9	3.0	Exposed	N/A	PW-9-4
3.031	2.087	0.197	77.0	53.0	5.0	Enclosed	HO-N-7	NW-2-6
3.060	2.220	0.170	77.7	56.4	4.3	Semi- Enclosed	N/A	SW-2-26
3.061	2.165	0.118	77.7	55.0	3.0	Enclosed	HO-N-5	NW-2-5
3.070	2.165	0.118	78.0	55.0	3.0	Bearing	N/A	FNT-5578
3.082	1.770	0.394	78.3	45.0	10.0	Semi- Enclosed	GM-N-13H	SW-2-14
3.100	2.360	0.138	78.7	59.9	3.5	Enclosed	N/A	HW-2-4
3.120	1.879	0.206	79.2	47.7	5.2	Enclosed	FD-N-9	FW-2-10
3.126	1.939	0.179	79.4	49.3	4.5	Semi-Enclosed	FD-N-10	FW-2-11
3.126	2.134	0.213	79.4	54.2	5.4	Enclosed	GM-N-24	SW-2-37
3.150	2.126	0.213	80.0	54.0	5.4	Enclosed	JA-N-16	JW-2-30
3.220	2.445	0.118	81.8	62.1	3.0	Semi- Enclosed	MZ-N-1	JW-2-12
3.220	2.480	0.078	81.8	63.0	2.0	Exposed	N/A	NTA-4052
3.226	2.182	0.188	81.9	55.4	4.8	Enclosed	MI-N-28	NW-2-4
3.228	2.213	0.236	82.0	56.2	6.0	Enclosed	JA-N-13	JW-2-28
3.228	2.213	0.236	82.0	56.2	6.0	Enclosed	JA-N-15	JW-2-29
3.228	2.393	0.110	82.0	60.8	2.8	Semi- Enclosed	N/A	JW-2-13
3.279	2.408	0.150	83.3	61.2	3.8	Semi-Enclosed	TO-N-23	YW-2-27
3.280	2.388	0.255	83.3	60.7	6.5	Enclosed	GM-N-8HLT	SW-2-12

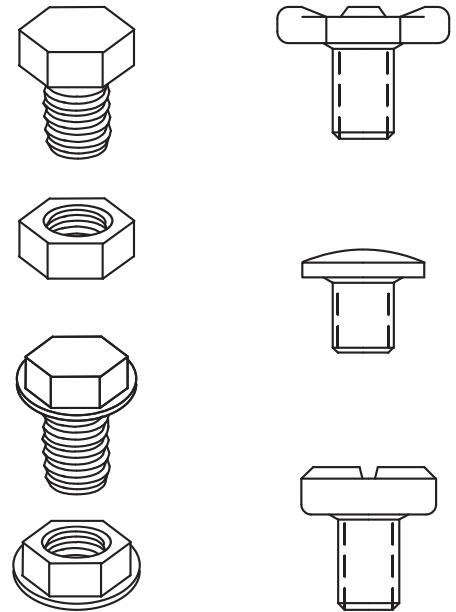
BEARINGS, continued
Listed In Order Of Ascending O.D.

O.D. (in)	I.D. (in)	Thick. (in)	O.D. (mm)	I.D. (mm)	Thick. (mm)	Design	Ref. #	TRI #
3.330	2.560	0.190	84.6	65.0	4.8	Enclosed	N/A	JW-2-24
3.346	1.771	0.748	85.0	45.0	19.0	Ball Bearing	N/A	MB-6209
3.365	2.402	0.213	85.5	61.0	5.4	Enclosed	GMFD-N-1	SW-2-34
3.375	2.178	0.220	85.7	55.3	5.6	Enclosed	AL-N-2	SW-2-32
3.380	2.500	0.150	85.9	63.5	3.8	Enclosed	GM-N-11	SW-2-11
3.440	2.430	0.129	87.4	61.7	3.3	Semi-Enclosed	AW-N-3	AW-2-3
3.440	2.430	0.130	87.4	61.7	3.3	Semi-Enclosed	N/A	YW-2-18
3.474	2.487	0.169	88.2	63.2	4.3	Semi-Enclosed	TO-N-18	YW-2-31
3.488	2.315	0.170	88.6	58.8	4.3	Semi-Enclosed	TO-N-15	YW-2-23
3.490	2.610	0.150	88.6	66.3	3.8	Semi-Enclosed	TO-N-22	YW-2-26
3.530	2.050	0.240	89.7	52.1	6.1	Enclosed, 14 Tangs	N/A	JW-2-19
3.543	1.968	0.787	90.0	50.0	20.0	Ball Bearing	MI-N-6210	MB-6210
3.570	2.600	0.208	90.7	66.0	5.3	Semi- Enclosed	N/A	SW-2-25
3.577	2.517	0.239	90.9	63.9	6.1	Enclosed	GM-N-26	SW-2-40
3.583	2.502	0.159	91.0	63.6	4.0	Semi-Enclosed	GM-N-22	SW-2-39
3.655	2.600	0.155	92.8	66.0	3.9	Enclosed	GM-N-18	SW-2-24
3.661	2.598	0.179	93.0	66.0	4.5	Enclosed	GM-N-20	SW-2-33
3.670	2.620	0.162	93.2	66.5	4.1	Enclosed	FD-N-14	FW-2-13
3.725	3.000	0.078	94.6	76.2	2.0	Exposed	N/A	NTA-4860
3.740	2.362	0.709	50.0	60.0	18.0	Ball Bearing	N/A	MB-6012
3.771	2.673	0.288	95.8	67.9	7.3	Enclosed	FD-N-15	FW-2-12
3.838	2.728	0.188	97.5	69.3	4.8	Enclosed	GM-N-17	SW-2-18
3.855	2.644	0.251	97.9	67.2	6.4	Enclosed	AL-N-3	SW-2-36
3.855	2.653	0.220	97.9	67.4	5.6	Enclosed	AL-N-1	SW-2-31
3.937	2.953	0.157	100.0	75.0	4.0	Exposed	N/A	FNT-75100
4.213	3.347	0.197	107.0	85.0	5.0	Enclosed	AW-N-2	AW-2-2
4.449	3.543	0.197	113.0	90.0	5.0	Enclosed	AW-N-1	AW-2-1
4.460	3.170	0.340	113.3	80.5	8.6	Semi-Enclosed	N/A	SW-2-42

BOLTS

Sorted By Part Number

Tri #	Ref #	Thread	Length
B-41	B41	M10 x 1.5mm	11mm
B-42	B42	M10 x 1.25mm	11mm
B-61	B96, 22982	5/16" x 24	7/16"
B-62	B62	M10 x 1.5mm	13mm
B-63	B63	3/8" x 24	9/16"
B-64	35996,	3/8" x 16	9/16"
B-78	B78, 65998	M10 x 1.5mm	15mm
B-79	B79	M10 x 1.5mm	15mm
FX-10-5	BW-FN-1	5/16" x 24	1"
FX-10-100	N/A	M10 x 1.0	14mm
FX-10-150	N/A	M10 x 1.5mm	14mm
FX-21-8	N/A	1/4" x 20	
TX-10-8	CH-FN-1	M8 x 1.0mm	16mm
YX-10-1	TO-FN-1	M8 x 1.25mm	12mm
YX-10-2	TO-FN-2	M9 x 1.25mm	13mm



NUTS

Sorted By Part Number

Part #	Ref #	Thread	Thick
D-1	864003	3/8"-16 NC-2A	0.650"
FX-10-17	E6DZ-6441A	M10 x 1mm	8.5mm
FX-10-6	MI-FN-1	5/16"-24	0.330"
FX-10-7	26761	3/8"-24	0.330"
N-63	N/A	3/8"-24	0.330"
SX-10-2	N/A	M10 x 1.5mm	25.4mm
WX-10-10	N/A	3/8"-24	0.600"
WX-10-2	N/A	3/8"-24 NF-2	0.385"
WX-10-3	N/A	3/8"-24 NF-2	0.500"
WX-10-7	N/A	3/8"-24	0.603"
WX-10-8	N/A	3/8"-24 NF-2	0.565"
WX-10-9	N/A	3/8"-24 NF-2	0.603"

STUDS

Sorted By Part Number

Tri #	Thread	Length (under the head)
FX-10-11	3/8" x 24	0.775"
FX-10-12	M10 x 1.0	0.550"
FX-10-13	M10 x 1.0	0.550"
FX-10-14	3/8" x 24	0.500"
FX-10-20	M10 x 1.0	0.400"
FX-10-3	3/8" x 24	0.520"
FX-10-4	3/8" x 24	0.465"
FX-10-9	M10 x 1.0	0.460"
TX-10	7/16x14 & 7/16x20	1.280"

BUSHINGS

Sorted By Housing Dia.

Housing Dia. (in)	Shaft Dia. (in)	Width (in)	Housing Dia.(mm)	Shaft Dia. (mm)	Width (mm)	Ref. Part #	Tri Part #
0.589	0.471	0.437	14.96	11.96	11.10	N/A	TB-18-11
0.625	0.495	0.495	15.88	12.57	12.57	N/A	CB-18-3
0.670	0.550	0.393	17.02	13.97	9.98	N/A	PB-18
0.730	0.574	0.312	18.53	14.58	7.92	N/A	SB-18-4
0.743	0.630	0.466	18.87	16.00	11.84	N/A	TB-18-5
0.767	0.624	0.500	19.48	15.85	12.70	N/A	NB-18
0.788	0.671	0.437	20.02	17.04	11.10	MT-B-1	TB-18-12
1.170	1.048	0.625	29.72	26.62	15.88	FD-B-3	FB-18-3
1.170	1.048	0.625	29.72	26.62	15.88	N/A	FB-18-3X*
1.246	1.125	0.312	31.65	28.58	7.92	N/A	JB-18-4
1.246	1.125	0.625	31.65	28.58	15.88	N/A	JB-18-5
1.281	1.159	0.408	32.54	29.44	10.36	N/A	FB-18-1
1.291	1.169	0.367	32.79	29.69	9.32	N/A	TB-18-7
1.294	1.063	0.413	32.87	27.00	10.49	CH-B-3	TB-18-13
1.294	1.063	0.360	32.87	27.00	9.14	CH-B-3X	TB-18-14***
1.299	1.179	0.342	32.99	29.95	8.69	N/A	JB-18-1
1.302	1.180	0.390	33.07	29.97	9.91	N/A	JB-18
1.302	1.180	0.390	33.07	29.97	9.91	N/A	JB-18X
1.324	1.206	0.500	33.63	30.62	12.70	N/A	TB-18
1.352	1.234	0.600	34.34	31.34	15.24	GMFD-B-2	FB-18-12
1.371	1.250	0.464	34.82	31.74	11.79	RE-B-1	ZB-18
1.375	1.246	0.437	34.93	31.64	11.10	CV-B-1	CB-18
1.375	1.245	0.440	34.93	31.62	11.18	N/A	TB-18-9
1.405	1.281	0.678	35.69	32.54	17.22	N/A	BB-18
1.407	1.249	0.468	35.74	31.72	11.89	N/A	ZB-18-2
1.416	1.296	0.465	35.97	32.92	11.81	JA-B-1	JB-18-3
1.456	1.298	0.475	36.98	32.96	12.07	JA-B-2	JB-18-6
1.457	1.337	0.472	37.01	33.96	11.99	VW-B-1	VB-18
1.500	1.365	0.475	38.09	34.67	12.07	BW-B-2	SB-18-3
1.528	1.399	0.606	38.81	35.53	15.39	GM-B-1	SB-18-1
1.535	1.415	0.551	38.99	35.94	14.00	N/A	VB-18-1
1.536	1.409	0.560	39.01	35.79	14.22	N/A	CB-18-1

- * - Housing and Shaft dimensions in the table are OE dimensions. Finish in place bushing has oversized O.D.
- ** - Housing and Shaft dimensions in the table are OE dimensions. Finish in place bushing has undersized I.D.
- *** - Housing and Shaft dimensions in the table are OE dimensions. Finish in place bushing has oversized O.D. & undersized I.D.

BUSHINGS, (continued)
Sorted By Housing Dia.

Housing Dia. (in)	Shaft Dia. (in)	Width (in)	Housing Dia.(mm)	Shaft Dia. (mm)	Width (mm)	Ref. Part #	Tri Part #
1.536	1.420	0.590	39.01	36.07	14.99	N/A	PB-18-1
1.536	1.377	0.470	39.01	34.98	11.94	N/A	PB-18-2
1.550	1.430	0.438	39.37	36.32	11.13	N/A	SB-18
1.559	1.439	0.438	39.60	36.55	11.13	JA-B-3	JB-18-10
1.563	1.437	0.610	39.70	36.50	15.49	GM-B-2	SB-18-2
1.563	1.437	0.610	39.70	36.50	15.49	GM-B-4	SB-18-2-10*
1.563	1.437	0.615	39.70	36.50	15.62	N/A	SB-18-2-2*
1.569	1.445	0.500	39.85	36.70	12.70	CH-B-1	TB-18-1
1.569	1.445	0.500	39.85	36.70	12.70	N/A	TB-18-1P sintered
1.569	1.448	0.375	39.85	36.77	9.53	N/A	TB-18-3
1.587	1.477	0.590	40.31	37.52	14.99	N/A	FB-18-11
1.603	1.476	0.585	40.72	37.49	14.86	GM-B-8	SB-18-8
1.607	1.400	0.500	40.82	35.56	12.70	N/A	TB-18-1A
1.610	1.385	0.503	40.89	35.18	12.78	CH-B-2	TB-18-4
1.610	1.385	0.503	40.89	35.18	12.78	CH-B-2X	TB-18-4X**
1.620	1.498	0.530	41.15	38.05	13.46	N/A	TB-18-10
1.623	1.500	0.624	41.22	38.10	15.85	N/A	RB-18
1.654	1.534	0.504	42.01	38.95	12.80	NI-B-1	JB-18-2
1.678	1.537	0.400	42.62	39.04	10.16	JA-B-4	JB-18-11
1.740	1.618	0.583	44.20	41.10	14.81	N/A	EB-18
1.740	1.622	0.615	44.20	41.20	15.62	GMFD-B-1	SB-18-6
1.771	1.686	0.560	44.98	42.82	14.22	N/A	CB-18-2
1.779	1.652	0.505	45.19	41.96	12.83	FD-B-2	FB-18-4
1.779	1.652	0.500	45.19	41.96	12.70	FD-B-2X	FB-18-4X*
1.890	1.772	0.354	48.01	45.01	8.99	SU-B-1	49003
1.891	1.764	0.500	48.03	44.81	12.70	FD-B-4	FB-18-6
1.892	1.764	0.510	48.06	44.81	12.95	FD-B-11	FB-18-8
1.900	1.771	0.460	48.26	44.98	11.68	GM-B-7	SB-18-7
1.919	1.796	0.476	48.74	45.62	12.09	GM-B-5T	SB-18-5T
1.941	1.809	0.625	49.30	45.95	15.88	N/A	WB-18BS
1.969	1.772	0.620	50.01	45.01	15.75	FD-B-10	FB-18-9

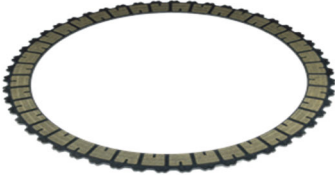
- * - Housing and Shaft dimensions in the table are OE dimensions. Finish in place bushing has oversized O.D.
- ** - Housing and Shaft dimensions in the table are OE dimensions. Finish in place bushing has undersized I.D.
- *** - Housing and Shaft dimensions in the table are OE dimensions. Finish in place bushing has oversized O.D. & undersized I.D.

BUSHINGS, (continued)
Sorted By Housing Dia.

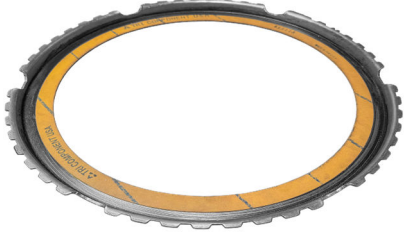
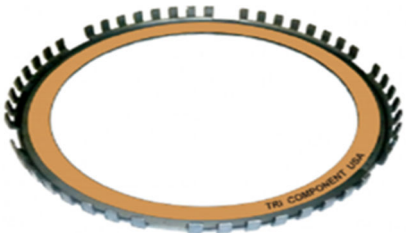
Housing Dia. (in)	Shaft Dia. (in)	Width (in)	Housing Dia.(mm)	Shaft Dia. (mm)	Width (mm)	Ref. Part #	Tri Part #
2.063	1.941	0.531	52.40	49.30	13.49	FD-B-1	FB-18
2.240	2.088	0.472	56.90	53.02	11.99	MZ-B-1A	JB-18-9
2.245	2.088	0.472	57.02	53.02	11.99	N/A	JB-18-8
2.245	2.088	0.472	57.02	53.02	11.99	MZ-B-1	JB-18-8B
2.245	2.088	0.472	57.02	53.02	11.99	N/A	JB-18-8BX**
2.402	2.243	0.461	61.01	56.97	11.71	MZ-B-2	JB-18-7
2.479	2.323	0.660	62.97	59.00	16.76	FD-B-12	FB-18-10
2.679	2.480	0.300	68.05	62.99	7.62	N/A	FB-18-5
2.835	2.708	0.366	72.01	68.78	9.30	FD-B-9	FB-18-7
3.878	3.721	0.311	98.50	94.51	7.90	N/A	FB-18-2

- * - Housing and Shaft dimensions in the table are OE dimensions. Finish in place bushing has oversized O.D.
- ** - Housing and Shaft dimensions in the table are OE dimensions. Finish in place bushing has undersized I.D.
- *** - Housing and Shaft dimensions in the table are OE dimensions. Finish in place bushing has oversized O.D. & undersized I.D.

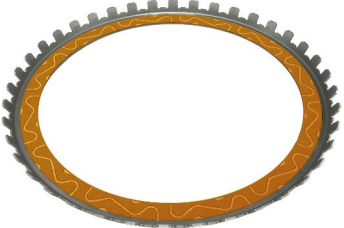
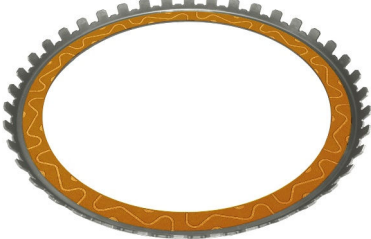
FRICTION CLUTCH PLATES

Make	Application	Illustration	Part #	Plate Dim. O.D. x I.D. x TH. Teeth / Lugs	Lining Part # /Qty
AI SIN AW	6F21WA MINI COOPER		AW-23-1	9.17" x 7.64" x .16" 232.9mm x194.0mm x4mm 50 Teeth	N/A
	TR-60SN (VW 09D) NON- CAPTIVE CLUTCH		YX-26-3	10.20" x 8.44" x .15" 259.1mm x213.4mm x3.8mm 36 Teeth	N/A
	TR-60SN (VW 09D) CAPTIVE CLUTCH		VX-23-4	7.03" x 5.60" x .10" 178.6mm x142.2mm x2.6mm 30 Teeth	N/A
AI SIN SEIKI	AS68RC, A465		YX-26-1	7.43" x 5.80" x .10" 188.7mm x147.3mm x2.6mm 36 Teeth	YX-23-23KK Kit, Includes 2 Linings)
	AS69RC		YX-26-7	8.56" x 6.81" x .09" 219.7mm x172.0mm x2.3mm 42Teeth	YX-23-27KK Kit, Includes 2 Linings)
CHRYSLER	68RFE		TX-24-11	12.60" x 10.16" x .17" 320.0mm x258.0mm x4.3mm 35 Teeth	TX-23-26HC (2)
	68RFE		TX-24-15	12.60" x 10.075" x .16" 320.0mm x256.0mm x4.0mm 35 Teeth	TX-23-27HC (2)
FORD	4F50N (AX4N)		FX-23-32	9.55" x 7.87" x .94" 242.6mm x200.0mm x23.9mm 6 Lugs	FX-23-29MK (2)

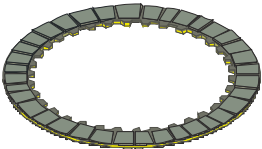
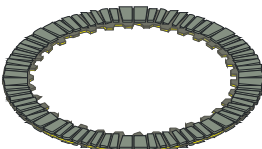
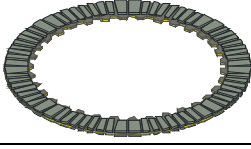
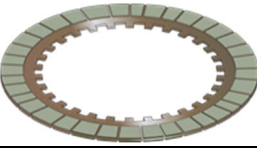
FRICTION CLUTCH PLATES, Continued

Make	Application	Illustration	Part #	Plate Dim. O.D. × I.D. × TH. Teeth / Lugs	Lining Part # /Qty
FORD	4F50N (AX4N), 5R55N, S, W		FX-23-31	9.55" x 7.87" x .94" 242.6mm x 200.0mm x 23.9mm 4 Lugs	FX-23-29MK (2)
	4F50N (AX4N)		FX-23-68A	4 Lugs	TX-23-5X70HC (1)
	AX4S, AX4N (4F50N), CD4E, 9-1/4" (3.0L & 2.3L)		FX-23-66A	4 Lugs	PX-23-9X70HC (1)
	4R100, 5R110W		FX-23-46	O.D.: 12.14"/308.4mm I.D.: 9.80"/ 249.0mm High: 0.395/ 10.0mm 54 Teeth (6 Missing)	FX-23-49K (1)
	4R100, 5R110W		FX-23-93	O.D.: 12.14"/308.4mm I.D.: 9.80"/ 249.0mm High: 0.695" / 17.7mm 54 Teeth (6 Missing)	FX-23-49T (1)
	4R100, 5R110W, Not for diesel applications		FX-23-78	O.D.: 12.14"/308.4mm I.D.: 9.80"/ 249.0mm High: 0.895" / 22.7mm 54 Teeth (6 Missing), Up-Bent	FX-23-49T (1)
	5R55N/S/W		FX-23-53	9.55" x 7.25" x .94" 242.6mm x 184.2mm x 23.9mm 4 Lugs	FX-23-47MK (2)

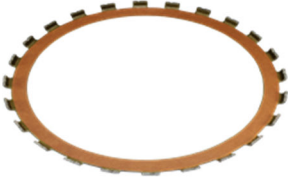
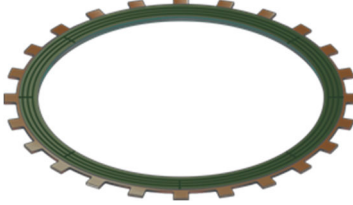
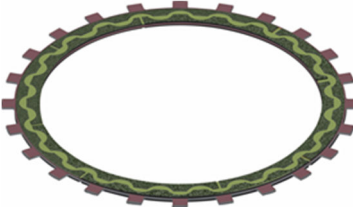
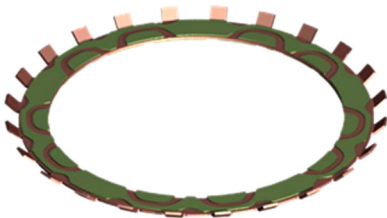
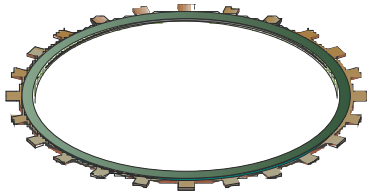
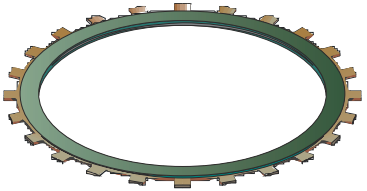
FRICITION CLUTCH PLATES, Continued

Make	Application	Illustration	Part #	Plate Dim. O.D. × I.D. × TH. Teeth / Lugs	Lining Part # /Qty
FORD	5R55N/S/W		FX-23-60A	9.55" x 1.66" x .27" 242.6mm x42.2mm x6.9mm 4 Lugs	TX-23-5X70HC (1)
	6R75, 6R80		FX-26-4	9.64" x 6.5" x .16" 244.9mm x165.1mm x4.1mm	N/A
	6R80, 260mm (Late)		FX-26-2	10.78" x 8.70" x .16" 273.8mm x221.0mm x4.1mm Teeth 40	FX-23-83SK
	6R80, 280mm (Late)		FX-26-3	11.34" x 9.15" x .16" 288.0mm x232.4mm x4.1mm Teeth 40	FX-23-80SK OR FX-23-80MK
	E4OD		FX-23-43	5 double springs	FX-23-10K (1)
	6R140		FX-23-81	11.50" x 9.77" x .12" 292.1mm x248.2mm x3mm 30 Teeth	N/A
	6R60,6R75W		FX-26-1	O.D. 8.071" - 205.0mm	FX-23-74MK OR FX-23-74SK

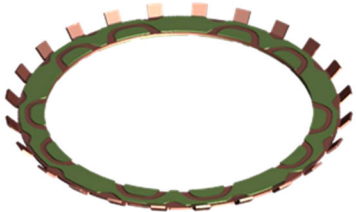
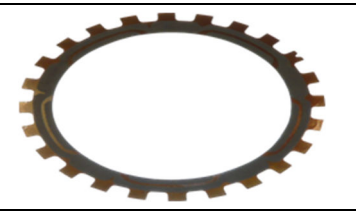
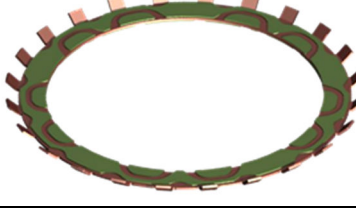
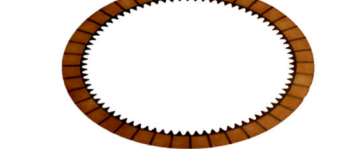
FRICION CLUTCH PLATES, Continued

Make	Application	Illustration	Part #	Plate Dim. O.D. × I.D. × TH. Teeth / Lugs	Lining Part # /Qty
GM	6L45		SX-26-1	8.70" x 6.30" x .14" 220.1mm x160.0mm x3.6mm	PX-23-25MK
	8L90		SX-26-2	10.37" x 8.51" x .16" 263.4mm x216.2mm x4mm 30 Teeth	SX-23-70MK
JATCO	RE5R05A		JX-23-34	6.47" x 5.15" x .07" 164.3mm x130.3mm x1.8mm 40 Teeth	32 Segments N/A
	RE7R01A (JR710E)		JX-23-38	6.82" x 5.14" x .07" 173.2mm x130.6mm x1.8mm 24 Teeth	40 Segments
MERCEDES	722.6 & 722.9, 290mm		HX-23	6.93" x 5.29" x .09" 176.0mm x134.4mm x2.3mm 34 Teeth	36 Segments N/A
			HX-23-9	6.93" x 5.29" x .09" 176.0mm x134.4mm x2.3mm 34 Teeth	72 Segments N/A
	722.6 & 722.9, 272mm		HX-23-4	6.93" x 5.29" x .11" 176.0mm x134.4mm x2.8mm 34 Teeth	36 Segments N/A
			HX-23-8	6.93" x 5.29" x .11" 176.0mm x134.4mm x2.8mm 34 Teeth	72 Segments N/A
	722.9 Late 7G-Tronic 725.0 9G-Tronic		HX-23-16	7.72" x 6.10" x .11" 196.0mm x155.0mm x2.8mm 40 Teeth	72 Segments N/A
	Class A, 722.7 '98-02 5 Speed		HX-23-7	6.93" x 4.72" x .11" 176.0mm x120.0mm x2.8mm 30 Teeth	36 Segments N/A

FRICTION CLUTCH PLATES, Continued

Make	Application	Illustration	Part #	Plate Dim. O.D. × I.D. × TH. Teeth / Lugs	Lining Part # /Qty
RENAULT PEUGEOT (AL4) CITROEN	DPO		RX-26-1	7.87" x 6.65" x .145" 200.0mm x168.9mm x3.7mm 24 Teeth	RX-23-1 (2)
	DPO, Late		RX-26-2	8.54" x 7.10" x .73" 217.0mm x180.0mm x18.6mm 24 Teeth	RX-23-2KK (Kit, Includes 2 Linings)
ZF	ZF5HP19FL		PX-26-8	10.21" x 8.15" x .14" 259.3mm x207.0mm x3.6mm 24 Teeth	PX-23-14MK (2)
	ZF5HP19FL, DIESEL, AUDI		PX-26-7	10.21" x 8.15" x .14" 259.3mm x207.0mm x3.6mm 24 Teeth	PX-23-12MK (2)
	ZF5HP24 BMW X5, 4.6L ZF6HP26 (280mm)		PX-26-9	11.32" x 8.77" x .16" 287.5mm x222.8mm x4mm 24 Teeth	PX-23-18HC (Solid) (2)
	ZF5HP24, JAGUAR, BM-64		PX-26-6	10.21" x 8.38" x .12" 259.3mm x212.9mm x3.0mm 24 Teeth	PX-23-11K (2)
	ZF5HP30, 5 Speed, BM-29, BMW 540i, 1993		PX-26-3	11.04" x 9.36" x .12" 208.4mm x237.7mm x3.0mm 24 Teeth	PX-23-10K (2)

FRICITION CLUTCH PLATES, Continued

Make	Application	Illustration	Part #	Plate Dim. O.D. × I.D. × TH. Teeth / Lugs	Lining Part # /Qty
ZF	ZF6HP19 525i, 530i BMW ZF6HP19 245mm		PX-26-11	9.85" x 7.87" x .16" 250.2mm x200.0mm x4mm 24 Teeth	PX-23-20HC (Solid) (2)
	ZF6HP19		PX-26-16	9.36" x 7.33" x .114" 237.7mm x186.2mm x7.1mm 30 Teeth	PX-23-26T
	ZF6HP19, 245mm (LuK)		PX-26-21	8.67" x 6.30" x .14" 220.2mm x160.0mm x3.6mm	PX-23-25MK
	ZF6HP21, 245mm (LuK)		PX-26-20	8.67" x 4.24" x .14" 220.2mm x107.7mm x3.6mm Bolt Circle Dia.: 4.975"	PX-23-25MK
	ZF6HP26, 255mm & 245mm, Jaguar 2.7 V6		PX-26-12	8.08" x 6.30" x .14" 205.2mm x160.0mm x3.6mm 24 Teeth	PX-23-22HC (Solid) (2)
	ZF6HP26, 275 mm		PX-26-15	9.06" x 7.30" x .11" 230.1mm x185.4mm x2.8mm 20 Teeth	PX-23-24T (2)
	ZF6HP26, 260mm BMW 745, Jaguar S, XK8 Audi A8		PX-26-10	10.63" x 8.19" x .16" 270.0mm x208.0mm x4mm 24 Teeth	PX-23-19HC (Solid) (2)
	ZF8HP45, ZF8HP55, ZF8HP70		PX-26-14	7.768" x 6.120" x .096" 197.3mm x 155.4mm x 2.4mm 80 Teeth	N/A

HUBCAPS®
Sorted By Impeller Hub Dia.

Fits Hub Dia. (")	Length (")	Fits Hub Dia. (mm)	Length (mm)	Color	Ref Part #	Tri Part #
3/8"	1/2"	9.5	12.7	Red	FD-SC-R	MHC-STD
1-1/2"	1-1/2"	38.1	38.1	Green	MI-HC-G	MHC-G
1-5/8"	1-3/8"	41.3	34.9	Black	MI-HC-P	MHC-B
1-3/4"	3/4"	44.4	19.0	Gray	MI-HC-BU	MHC-P
1-3/4"	1-1/2"	44.4	38.1	Blue	MI-HC-B	MHC-BU
1-7/8"	1-3/4"	47.6	44.4	Yellow	MI-HC-Y	MHC-Y
1-7/8"	1"	47.6	25.4	Yellow	N/A	MHC-YA
2"	1-1/2"	50.8	38.1	Red	MI-HC-R	MHC-R
2-1/8"	1/2"	54	12.7	Brown	MI-HC-BR	MHC-BR
2-1/4"	1-1/2"	57.2	38.1	Black	MI-HC-C	MHC-CL
2-3/8"	1/2"	60.3	12.7	White	N/A	MHC-W
2-1/2"	2-1/2"	63.5	65.0	Green	FD-HC-6R140	MHC-A
2-5/8"	1/2"	66.7	12.7	Orange	MI-HC-O	MHC-RN

LOCKUP LININGS Listed by Outside Diameter

Suffix Code Reminder: X70 for .070" Thickness; T - Tan, C - Carbon, HC - High Carbon,
K - KEVLAR®, J - LockJoint™, S - Special, M - Modulated/grooved

O.D. (inch)	I.D. (inch)	O.D. (mm)	I.D. (mm)	Basic Tri Part #
2.188	1.563	55.6	39.7	SX-23-SS45
2.875	2.375	73.0	60.3	SX-23-LS45
4.938	4.438	125.4	112.7	TX-23-20
6.813	6.438	173.0	163.5	FX-23-17
7.283	6.300	185.0	160.0	PX-23-22
7.430	6.300	188.7	160.0	YX-23-23K
7.440	6.300	189.0	160.0	KX-23-6K
7.500	6.688	190.5	169.9	RX-23-1
7.677	6.300	195.0	160.0	JX-23-41
7.930	7.100	201.4	180.3	RX-23-2
8.000	6.375	203.2	161.9	SX-23-42
8.000	7.280	203.2	184.9	YX-23-26
8.062	7.250	204.8	184.2	SX-23-51
8.080	6.930	205.0	176.0	FX-23-74
8.080	6.930	205.0	176.0	FX-23-74M
8.080	6.930	205.0	176.0	FX-23-74S
8.150	6.772	207.0	172.0	SX-23-62
8.250	7.125	209.6	181.0	JX-23-37
8.250	7.250	209.5	184.2	YX-23-2
8.250	7.281	209.6	184.9	FX-23-47M
8.250	7.293	209.6	185.2	PX-23-24
8.250	7.625	209.6	193.7	JX-23-24
8.307	7.165	211.0	182.0	SX-23-80

O.D. (inch)	I.D. (inch)	O.D. (mm)	I.D. (mm)	Basic Tri Part #
8.365	7.550	212.5	191.8	JX-23-1
8.430	6.665	214.1	169.3	SX-23-63
8.500	7.250	215.9	184.2	YX-23-19
8.500	7.500	215.9	190.5	SX-23-58
8.617	7.335	218.9	186.3	PX-23-26
8.645	7.325	219.6	186.1	PX-23-25M
8.646	7.474	219.6	189.8	JX-23-42
8.750	7.562	222.3	192.1	SX-23-50
8.750	7.750	222.3	196.9	NX-23-1
8.854	7.591	224.9	192.8	FX-23-85
8.854	7.591	224.9	192.8	FX-23-69
8.875	7.375	222.3	187.3	FX-23-71
8.875	8.000	225.4	203.2	SX-23-31
8.900	7.635	226.1	193.9	YX-23-25
9.000	7.500	228.6	190.5	FX-23-87
9.000	7.750	228.6	196.9	SX-23-13
9.000	7.875	228.6	200.0	FX-23-29
9.000	7.875	228.6	200.0	FX-23-29M
9.000	8.000	228.6	203.2	TX-23-6
9.000	8.250	228.6	209.6	JX-23-3
9.125	7.625	231.8	193.7	TX-23-5
9.125	7.750	231.8	196.9	TX-23-15
9.125	7.813	231.8	198.5	TX-23-16

LOCKUP LININGS Listed by Outside Diameter, Continued

Suffix Code Reminder: X70 for .070" Thickness; T - Tan, C - Carbon, HC - High Carbon,
K - KEVLAR®, J - LockJoint™, S - Special, M - Modulated/grooved

O.D. (inch)	I.D. (inch)	O.D. (mm)	I.D. (mm)	Basic Tri Part #
9.125	8.063	231.8	204.8	FX-23-24
9.125	8.063	231.8	204.8	FX-23-24M
9.125	8.125	231.8	206.4	NX-23-6
9.150	7.875	232.4	200.0	PX-23-20
9.188	7.500	233.4	190.5	SX-23-48
9.240	8.313	234.7	211.2	JX-23-20
9.250	7.875	235.0	200.0	JX-23-8
9.250	8.125	235.0	206.4	FX-23-6
9.252	7.992	235.0	203.0	FX-23-102X30
9.313	8.250	236.6	209.6	TX-23-21
9.360	8.380	237.7	212.9	PX-23-11
9.375	7.750	238.1	196.9	TX-23-12
9.375	7.875	238.1	200.0	YX-23-12
9.375	8.125	238.1	206.4	FX-23-18
9.400	8.250	238.8	209.6	FX-23-98M
9.430	8.220	239.5	208.8	HX-23-10M
9.438	8.141	239.7	206.8	PX-23-12M
9.500	8.250	241.8	209.6	FX-23-82S
9.500	8.250	241.3	209.6	PX-23-9
9.500	8.500	241.3	215.9	NX-23-2
9.563	8.625	242.9	219.1	JX-23-15
9.625	7.625	244.5	193.7	TX-23-18
9.625	7.875	244.5	200.0	TX-23-24

O.D. (inch)	I.D. (inch)	O.D. (mm)	I.D. (mm)	Basic Tri Part #
9.625	8.000	244.5	203.2	TX-23-9
9.625	8.063	244.5	204.8	FX-23-25
9.625	8.063	244.5	204.8	FX-23-25M
9.625	8.375	244.5	212.7	FX-23-63
9.625	8.438	244.5	214.3	NX-23-10
9.688	8.250	246.1	209.6	FX-23-19
9.694	8.675	246.2	220.3	SX-23-70M
9.710	8.190	246.6	208.0	PX-23-19
9.725	8.250	247.0	209.6	FX-23-57
9.750	8.125	247.7	206.4	FX-23-89
9.750	8.250	247.7	209.6	YX-23-3
9.750	8.313	247.7	211.2	NX-23-8
9.750	9.000	247.7	228.6	JX-23-33
9.813	8.562	249.3	217.5	SX-23-61
9.813	8.813	249.3	223.9	JX-23-32
9.813	8.562	249.3	217.5	SX-23-61
9.830	8.660	249.7	220.0	SX-23-75
9.845	8.675	250.1	220.3	YX-23-70M
9.875	8.750	250.8	222.3	JX-23-22
9.875	8.875	250.8	225.4	NX-23-9
9.880	8.750	251.0	222.3	FX-23-83
9.880	8.750	251.0	222.3	FX-23-83S
9.890	8.750	251.2	222.3	FX-23-83M

LOCKUP LININGS Listed by Outside Diameter, Continued

Suffix Code Reminder: X70 for .070" Thickness; T - Tan, C - Carbon, HC - High Carbon,
K - KEVLAR®, J - LockJoint™, S - Special, M - Modulated/grooved

O.D. (inch)	I.D. (inch)	O.D. (mm)	I.D. (mm)	Basic Tri Part #
9.921	7.921	252.0	201.2	TX-23-25
9.930	8.800	252.2	223.5	TX-23-35
9.930	8.800	252.2	223.5	TX-23-35M
9.938	9.000	252.4	228.6	JX-23-10
10.000	7.200	254.0	182.9	SX-23-78
10.000	8.250	254.0	209.6	YX-23-1
10.000	8.400	254.0	213.4	PX-23-13
10.000	8.500	254.0	215.9	YX-23-18
10.000	8.750	254.0	222.3	TX-23-17
10.000	8.750	254.0	222.3	TX-23-17M
10.000	9.000	254.0	228.6	NX-23-7
10.063	8.500	255.6	215.9	YX-23-10
10.100	7.500	256.5	190.5	SX-23-55
10.125	8.125	257.2	206.4	TX-23-13
10.125	8.25	257.2	209.6	YX-23-8
10.125	8.688	257.2	220.7	YX-23-20
10.125	9.000	257.2	228.6	FX-23-65
10.125	9.125	257.2	231.8	NX-23-5
10.126	8.626	257.2	219.1	YX-23-11
10.150	9.360	257.8	237.7	PX-23-10
10.188	8.730	258.8	221.7	YX-23-24
10.200	8.960	259.1	227.6	FX-23-70M
10.250	8.625	260.4	219.1	YX-23-22

O.D. (inch)	I.D. (inch)	O.D. (mm)	I.D. (mm)	Basic Tri Part #
10.250	9.250	260.4	235.0	NX-23-12
10.250	8.785	260.4	223.1	PX-23-17
10.313	8.750	261.9	222.3	TX-23-11
10.313	9.250	262.0	235.0	SX-23-52
10.375	8.625	263.5	219.1	YX-23-7
10.375	9.250	263.5	235.0	NX-23-11
10.375	9.375	263.5	238.1	SX-23-32
10.375	9.375	263.5	238.1	FX-23-100M
10.400	9.200	264.2	233.7	FX-23-80M
10.400	9.200	264.2	233.7	FX-23-80S
10.500	7.850	266.7	199.4	SX-23-87
10.500	8.625	266.7	219.1	FX-23-13
10.500	9.000	266.7	228.6	YX-23-21
10.500	9.125	266.7	231.8	TX-23X
10.500	9.188	266.7	233.4	TX-23-19
10.500	9.188	266.7	233.4	TX-23-19M
10.500	9.375	266.7	238.1	FX-23-59
10.500	9.500	266.7	241.3	FX-23-67
10.563	9.250	268.3	235.0	TX-22X
10.563	9.313	268.3	236.5	FX-23-26M
10.563	9.313	268.3	236.6	FX-23-26
10.750	9.000	273.1	228.6	TX-23-14
10.750	9.125	273.1	231.8	TX-23-32

LOCKUP LININGS Listed by Outside Diameter, Continued

Suffix Code Reminder: X70 for .070" Thickness; T - Tan, C - Carbon, HC - High Carbon,
K - KEVLAR®, J - LockJoint™, S - Special, M - Modulated/grooved

O.D. (inch)	I.D. (inch)	O.D. (mm)	I.D. (mm)	Basic Tri Part #
10.750	9.250	273.1	235.0	TX-23-4
10.750	9.500	273.1	241.3	JX-23-23
10.750	9.625	273.1	244.5	NX-23-13
10.850	9.800	275.6	248.9	FX-23-49
10.954	9.930	278.2	252.2	FX-23-101M
11.000	9.563	279.4	242.9	YX-23-17
11.125	9.500	282.6	241.3	SX-23-76X70E
11.125	9.813	282.6	249.3	FX-23-52
11.125	10.000	282.6	254.0	SX-23-4
11.200	10.400	284.5	264.2	FX-23-23
11.220	9.843	285.0	250.0	TX-23-31M
11.233	10.135	285.3	257.4	SX-23-65
11.250	9.700	285.8	246.4	FX-23-86
11.250	10.000	285.8	254.0	FX-23-28
11.250	10.000	285.8	254.0	FX-23-28M
11.375	10.000	288.9	254.0	FX-23-27
11.480	10.390	291.6	263.9	FX-23-97
11.500	10.000	292.1	254.0	FX-23-10
11.500	10.250	292.1	260.4	SX-23-69
11.560	9.990	293.6	253.7	SX-23-81
11.570	10.000	293.9	254.0	SX-23-57
11.580	10.313	294.1	262.0	SX-23-25
11.625	9.750	295.3	247.7	FX-23-15

O.D. (inch)	I.D. (inch)	O.D. (mm)	I.D. (mm)	Basic Tri Part #
11.625	10.000	295.3	254.0	FX-23-12
11.625	10.375	295.3	263.5	SX-23-47
11.654	10.157	296.0	258.0	TX-23-26
11.688	10.000	296.9	254.0	MX-23-1
11.750	10.250	298.5	260.4	SX-23-66
11.875	10.625	301.6	269.9	SX-23-67
12.080	10.860	306.8	275.8	FX-23-99M
12.340	10.750	313.4	273.1	SX-23-54
12.344	9.906	313.5	251.6	SX-23-40
12.344	10.250	313.5	260.4	SX-23-44
12.500	10.750	317.5	273.1	SX-23-49
12.562	11.625	319.1	295.3	TX-23-33
12.625	10.688	320.7	271.5	SX-23-35
13.000	10.375	330.2	263.5	SX-23-38
13.400	11.510	340.4	292.4	SX-23-82
13.500	11.508	342.9	292.1	SX-23-46
13.625	11.500	346.1	292.1	SX-23-56

HIGH PERFORMANCE LININGS

Listed By Outside Diameter

Tri Part #	O.D. (inch)	I.D. (inch)	O.D. (mm)	I.D. (mm)	Make	Application
SX-23-48*	9.188	7.500	233.4	190.5	GM	245mm LU High Performance
SX-23-78*	10.000	7.200	254.0	182.9	GM	245mm High Performance
SX-23-86*	10.000	7.750	254.0	196.9	GM	245mm High Performance
SX-23-55*	10.100	7.500	256.5	190.5	GM	CORVETTE High Performance
SX-23-87*	10.500	7.850	266.7	199.4	GM	6L80, 4L60 High Performance
SX-23-77*	10.600	7.600	269.2	193.0	GM	High Performance
SX-23-85*	11.000	7.500	279.4	190.5	GM	258mm High Performance

** - Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan*

FLOATING RINGS

Listed By Outside Diameter, (.070" Thickness)

O.D. (inch)	I.D. (inch)	O.D. (mm)	I.D. (mm)	Make	Application	Tri Part#
9-5/8	8	244.5	203.2	Jatco-Datsun, Nissan Mitsubishi	L4N71B (Early & Late) DA-8	JX-23-4
9-3/4	7-17/32	247.7	191.3	Jatco-Datsun, Nissan Mitsubishi	Nissan RL3FO1A F.W.D.	JX-23-9
9-11/16	7.97	246.0	202.4	Chrysler	9-1/2" F.W.D., A404, A604	TX-26-9
9-1/8	7-17/32	231.8	191.3	Jatco-Datsun	L3N71B, DA-5	JX-23-2
9-1/4	7-7/8	235.0	200.0	Mitsubishi	KM-175-5, 177	TX-26-7
9-1/2	8	241.3	203.2	General Motors	TH125 (145mm)	SX-23-14
10-5/16	8-3/4	262.0	222.3	Chrysler	10" (254mm) F.W.D.	TX-26-11
10-3/4	9-1/4	273.1	235.0	Chrysler	10-3/4 R.W.D., 904	TX-26-4
10-11/32	7	262.7	177.8	Ford	AXOD	FX-23-7
10-11/32	8-5/16	262.7	211.1	Jatco	9-3/8"	JX-23-12
10-1/4	8-1/8	260.4	206.4	Ford	A4LD	FX-23-3
11-21/32	9-1/2	296.1	241.3	General Motors	TH350 (298mm)	SX-23-11

RING GEARS

Part #	Application	I.D. (in)	O.D. (in)	Teeth #
RG-103N	Honda, Lockup	9.605	10.48	103
RG-103NB	Honda, 16 Bolt Holes, Lockup	7.512	10.49	103
RG-106KM	Mitsubishi, KM-170/175/175-5/176/177 F4A33	9.630	10.69	106
RG-107A	AP, U.K.	9.555	10.81	107
RG-107N	Honda, Lockup	9.617	10.87	107
RG-107NA	Honda	10.050	10.88	107
RG-109N	Honda, Lockup	10.500	11.08	109
RG-109NW	Honda, Lockup	9.600	11.08	109
RG-110B	Borg Warner, U.K.	10.030	11.12	110
RG-110BA	Borg Warner, U.K., 9-1/2" Models 35, 45, 66	10.150	11.12	110
RG-110KM	Mitsubishi, KM-175-5/177 Lockup	9.620	11.06	110
RG-114B	Honda, Lockup	9.606	11.54	114
RG-114N	Honda, Lockup	10.478	11.54	114
RG-114NB	Honda Accord, Acura, Integra	9.606	11.54	114
RG-114NW	Honda, Lockup	10.036	11.54	114
RG-115B	Borg Warner, Hillman, Sunbeam, U.K. 9-1/2" Models	10.290	11.65	115
RG-115S	Subaru	10.520	11.46	115
RG-120B	Borg Warner, BLMC 1800, U.K. 9-1/2" Models 35, 45, 66	11.020	12.02	120
RG-121B	Borg Warner, Ford, Transit, U.K.	11.150	12.32	121
RG-122	Chrysler, 62-Up, 6 Cyl. 10 3/4" Lockup, Early, Non-Lockup	11.190	12.29	122
RG-124	Studebaker, '51-'55, 11" Models 35, 01 & 10	11.290	12.59	124
RG-125V	Volkswagen & Audi, Passat, 095, 096, Passat	9.103	10.54	125
RG-125VL	097, 098, Passat	9.245	10.54	125
RG-130	Chrysler, 62-Up 8 Cyl., 010	12.150	13.17	130
RG-130H	Chrysler, 64-Up, 10 3/4" Non-Lockup, Lockup	11.190	13.2	131

RING GEARS, continued

Part #	Application	I.D. (in)	O.D. (in)	Teeth #
RG-130V	Volkswagen & Audi	9.990	10.88	130
RG-132	Ford, 61-Up, 2 Speed & C-4, 10-1/4"	10.310	11.16	132
RG-132B	Borg Warner, Ford, U.K., 9-1/2" Models 35, 45 & 66	10.022	11.13	132
RG-133	Jaguar, 56-64; Studebaker, 51-55, V-8; Divco Truck, 59-60; Willy's & Jeep, 60-64	11.295	13.49	133
RG-133F	Studebaker, 1950 Commander	12.096	13.52	133
RG-135B	Borg Warner, Ford Capri, Etc., U.K. 9-1/2" Models 35, 45 & 66	10.140	11.24	135
RG-146	Chrysler, 49-56	13.560	14.64	146
RG-146S	Borg Warner & Ford, Bolted Aluminum	13.810	14.81	146
RG-147	Corvair, 60-69	10.713	12.36	147
RG-148	Chrysler, 60-61, 6 Cyl. 10 3/4" Non Lockup	11.190	12.52	148
RG-148A	Borg Warner, Australia, 11" Except U.S.A. Type 2	11.500	12.51	148
RG-148S	Borg Warner & Ford, Bolted Aluminum	14.012	15.01	148
RG-149	Rambler, 62-65, 6 Cyl., 11" Models 35, 01 & 10	11.290	12.47	149
RG-151	Studebaker, 56-63, 6 Cyl., 11" Models 35, 01 & 10	11.296	12.68	151
RG-153	Rambler, 64-Up, 232 Eng. 11" Models 35, 01 & 10	11.295	12.75	153
RG-153S	Borg Warner & Ford	14.580	15.46	153
RG-157N	Ford, Flyweel	12.025	13.29	157
RG-158	Willys & Jeep, 63-66; Rambler, 65-Up, 11" Models 35, 01 & 10	11.295	13.29	158
RG-159	Checker Cab, 57-64, 11" Models 35, 01 & 10	11.295	13.31	159
RG-162	Studebaker, 56-62, 8 Cyl., 11" Models 35, 01 & 10	11.295	13.7	162
RG-164C	Ford, Flywheel	13.005	14.25	164
RG-164F		12.980	13.92	164
RG-164M	Mercedes, With 9 Holes, 11" Models 35, 01 & 10	11.425	13.74	164
RG-164R	AMC, Flywheel	12.906	13.83	164
RG-164T	Lincoln, Flywheel	13.005	14.21	164

RING GEARS, continued

Part #	Application	I.D. (in)	O.D. (in)	Teeth #
RG-166D	Cadillac, Flywheel	12.620	13.92	166
RG-166P	Pontiac	12.900	13.94	166
RG-168		13.250	14.11	168
RG-168C	Chevrolet, Flywheel	13.268	14.13	168
RG-168S	Chevrolet, Flywheel	13.265	14.1	168
RG-172	Chrysler, 57-61	13.565	14.65	172
RG-176	Rambler, 65-Up, Wide Gear	11.310	14.67	176
RG-184T	Ford, Flyweel	14.210	15.50	184

RIVETS,

Sorted By Shank Dia

Shank Dia. (in)	Shank length (in)	Head Dia. (In)	Shank Dia. (mm)	Shank length (mm)	Head Dia. (mm)	Type	Tri part #
0.156	0.220	0.356	3.96	5.59	9.04	S	SX-12-6
0.158	0.285	0.220	4.01	7.24	5.59	S	JX-12-7
0.158	0.316	0.261	4.01	8.03	6.63	S	VX-12
0.160	0.360	0.283	4.06	9.14	7.19	S	RX-12
0.165	0.344	0.325	4.19	8.74	8.26	S	TX-12-7
0.168	0.370	0.300	4.27	9.40	7.62	S	PX-12
0.168	0.500	0.300	4.27	12.70	7.62	S	PX-12L
0.170	0.270	0.260	4.32	6.86	6.60	S	SX-12-12
0.170	0.340	0.281	4.32	8.64	7.14	S	SX-12-5
0.183	0.353	0.341	4.65	8.97	8.66	S	SX-12-4
0.183	1.000	0.308	4.65	25.40	7.82	T	SX-12-11
0.183	1.576	0.315	4.65	40.03	8.00	T	TX-12-1
0.185	1.800	0.470	4.70	45.72	11.94	S	RX-22-3
0.185	1.814	0.470	4.70	46.08	11.94	S	RX-22-4
0.193	0.218	0.312	4.90	5.54	7.92	T	WX-12
0.193	0.250	0.312	4.90	6.35	7.92	S	WX-12S
0.193	0.310	0.312	4.90	7.87	7.92	T	WX-12A
0.193	0.322	0.343	4.90	8.18	8.71	S	JX-12-4
0.193	0.380	0.312	4.90	9.65	7.92	T	WX-12B
0.193	0.380	0.312	4.90	9.65	7.92	S	WX-12BS
0.193	0.500	0.312	4.90	12.70	7.92	T	JX-12
0.193	0.500	0.312	4.90	12.70	7.92	S	JX-12S
0.193	0.500	0.333	4.90	12.70	8.46	S	SX-12-16
0.193	0.625	0.400	4.90	15.88	10.16	T	JX-12L
0.196	0.296	0.310	4.98	7.52	7.87	S	SX-12-15
0.198	0.631	0.290	5.03	16.03	7.37	S	JX-12-8
0.198	0.515	0.300	5.03	13.08	7.62	S	SX-12-14
0.200	0.272	0.280	5.08	6.91	7.11	S	PX-12-2
0.203	0.352	0.340	5.16	8.94	8.64	S	YX-12-2
0.214	0.300	0.295	5.44	7.62	7.49	S	TX-12-5
0.214	0.312	0.310	5.44	7.92	7.87	T	FX-12
0.214	0.385	0.310	5.44	9.78	7.87	T	FX-12L
0.214	0.385	0.310	5.44	9.78	7.87	S	FX-12LS
0.218	0.438	0.438	5.54	11.13	11.13	S	SX-12-17
0.220	0.440	0.315	5.59	11.18	8.00	S	FX-12-6

RIVETS, Continued
Sorted By Shank Dia

Shank Dia. (in)	Shank length (in)	Head Dia. (In)	Shank Dia. (mm)	Shank length (mm)	Head Dia. (mm)	Type	Tri part #
0.220	0.510	0.380	5.59	12.95	9.65	T	SX-12
0.224	0.290	0.356	5.69	7.37	9.04	S	TX-12-4
0.224	0.445	0.328	5.69	11.30	8.33	S	SX-12-10
0.225	0.515	0.344	5.72	13.08	8.74	S	TX-12-9
0.226	0.343	0.352	5.74	8.71	8.94	S	TX-12-4L
0.230	0.312	0.380	5.84	7.92	9.65	S	FX-12F
0.231	0.358	0.303	5.87	9.09	7.70	S	3141249
0.233	0.394	0.400	5.92	10.01	10.16	S	TX-12-3
0.233	0.475	0.400	5.92	12.07	10.16	S	HX-12A
0.233	0.475	0.400	5.92	12.07	10.16	S	HX-12S
0.233	0.710	0.400	5.92	18.03	10.16	S	HX-12LA
0.233	0.710	0.400	5.92	18.03	10.16	S	HX-12LS
0.235	0.414	0.300	5.97	10.52	7.62	S	SX-12-19
0.235	0.574	0.300	5.97	14.58	7.62	S	SX-12-20
0.236	0.278	0.355	5.99	7.06	9.02	S	PX-12-4
0.238	0.380	0.380	6.05	9.65	9.65	S	SX-12-18
0.238	0.380	0.430	6.05	9.65	10.92	S	VX-12-1
0.240	0.370	0.340	6.10	9.40	8.64	S	TX-12-10
0.245	0.300	0.400	6.22	7.62	10.16	S	YX-12
0.245	0.370	0.580	6.22	9.40	14.73	S	SX-12-7
0.245	0.425	0.400	6.22	10.80	10.16	S	YX-12L
0.249	0.620	0.500	6.32	15.75	12.70	S	YX-12-1
0.250	0.594	0.490	6.35	15.09	12.45	T	TX-12-6
0.250	0.435	0.500	6.35	11.05	12.70	T	TX-12L
0.250	0.476	0.490	6.35	12.09	12.45	T	TX-12-2
0.255	0.325	0.500	6.48	8.26	12.70	T	TX-12S
0.267	0.440	0.495	6.78	11.18	12.57	S	D-27
0.283	0.432	0.378	7.19	10.97	9.60	S	FX-12-10
0.304	0.685	0.625	7.72	17.40	15.88	S	MAL-R-1
0.310	0.375	0.470	7.87	9.53	11.94	S	FX-12-8
0.323	0.440	0.500	8.20	11.18	12.70	S	SX-12-2
0.345	0.360	0.668	8.76	9.14	16.97	S	WX-10-1
0.486	0.250	0.625	12.34	6.35	15.88	S	SX-12-9

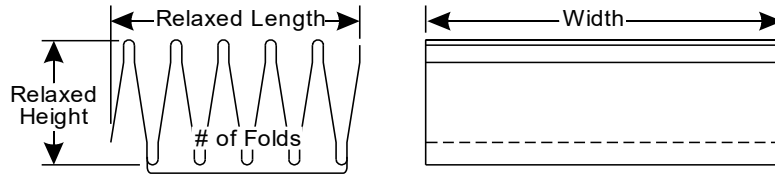
ROLLERS

Sorted By Diameter

Dia. (inch)	Length (inch)	Dia. (mm)	Length (mm)	Ref. Part #	Tri Part #
0.235	0.310	6.0	7.9	GM-RO-2	SR-7-5
0.235	0.470	6.0	11.9	N/A	PR-7
0.235	0.531	6.0	13.5	JA-RO-1	JR-7-1
0.235	0.785	6.0	19.9	HO-RO-1	YR-7-1
0.256	0.984	6.5	25.0	N/A	JR-7-4
0.275	0.675	7.0	17.1	JA-RO-4	JR-7-2
0.275	0.856	7.0	21.7	N/A	YR-7
0.309	0.660	7.8	16.8	N/A	TR-7-3
0.312	0.375	7.9	9.5	GM-RO-385	SR-7-2
0.312	0.432	7.9	11.0	N/A	FR-7-1
0.312	0.432	7.9	11.0	N/A	VR-7
0.312	0.444	7.9	11.3	GM-RO-435	SR-7-1
0.312	0.480	7.9	12.2	GM-RO-480	SR-7-6
0.312	0.500	7.9	12.7	GM-RO-556	CR-7-1
0.312	0.572	7.9	14.5	GM-RO-572	SR-7
0.312	0.705	7.9	17.9	2464888	12960R
0.312	0.710	7.9	18.0	FD-RO-705	FR-7-2
0.312	0.750	7.9	19.1	N/A	TR-7-1
0.312	0.775	7.9	19.7	JA-RO-6	FR-7-3
0.312	0.860	7.9	21.8	GM-RO-864	CR-7
0.313	0.900	8.0	22.9	FD-RO-900	FR-7
0.314	0.980	8.0	24.9	JA-RO-7	JR-7-3
0.315	0.360	8.0	9.1	N/A	TR-7-5
0.316	0.623	8.0	15.8	CH-RO-623A	TR-7
0.316	0.623	8.0	15.8	CH-RO-623A	TR-7-2
0.358	0.535	9.1	13.6	GM-RO-1	SR-7-4
0.358	0.835	9.1	21.2	GM-RO-837	SR-7-3

ACCORDION SPRINGS

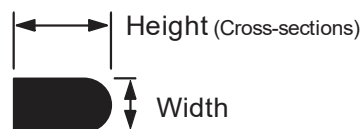
Sorted By Height



Relaxed Height (in)	Relaxed Length (in)	Width (in)	Relaxed Height (mm)	Relaxed Length (mm)	Width (mm)	Folds	Ref. Part #	Tri Part #
0.185	0.368	0.945	4.7	9.3	24.0	4	N/A	JS-6-5
0.190	0.420	0.680	4.8	10.7	17.3	5	N/A	YS-6-1
0.210	0.340	0.530	5.3	8.6	13.5	4	N/A	JS-6-1
0.220	0.438	0.560	5.6	11.1	14.2	3	GM-S-11A	SS-6
0.220	0.438	0.430	5.6	11.1	10.9	3	GM-S-4A	SS-6-1
0.220	0.450	0.375	5.6	11.4	9.5	3	GM-S-3A	SS-6-2
0.230	0.450	0.470	5.8	11.4	11.9	3	GM-S-12A	SS-6-7
0.230	0.440	0.850	5.8	11.2	21.6	5	N/A	YS-6
0.240	0.472	0.665	6.1	12.0	16.9	4	N/A	JS-6-2
0.240	0.472	0.944	6.1	12.0	24.0	4	N/A	JS-6-3
0.220	0.450	0.765	5.6	11.4	19.4	4	N/A	JS-6-4
0.240	0.430	0.560	6.1	10.9	14.2	5	GM-S-2A	SS-6-6
0.280	0.430	0.504	7.1	10.9	12.8	4	N/A	CS-6-1
0.280	0.420	0.930	7.1	10.7	23.6	4	FD-S-1A	FS-6-2
0.280	0.430	0.440	7.1	10.9	11.2	4	N/A	FS-6-5
0.280	0.420	0.730	7.1	10.7	18.5	4	FD-S-2	FS-6-8
0.280	0.410	0.440	7.1	10.4	11.2	4	N/A	VS-6
0.280	0.260	0.730	7.1	6.6	18.5	2	N/A	TS-6-4
0.285	0.420	0.680	7.2	10.7	17.3	4	N/A	TS-6-2
0.285	0.430	0.600	7.2	10.9	15.2	4	CH-S-1A	TS-6
0.300	0.450	0.812	7.6	11.4	20.6	4	GM-S-1A	CS-6
0.302	0.875	0.600	7.7	22.2	15.2	5	CH-S-5HP	TS-6-5HP
0.303	0.437	0.150	7.7	11.1	3.8	3	GM-S-7	SS-6-5
0.310	0.420	0.680	7.9	10.7	17.3	4	N/A	TS-6-1
0.525	0.425	0.265	13.3	10.8	6.7	2	GM-S-10A	SS-6-4
0.560	0.437	0.280	14.2	11.1	7.1	3	N/A	FS-6-10
0.600	0.560	0.195	15.2	14.2	5.0	3	N/A	5187
0.625	0.750	0.197	15.9	19.1	5.0	2	N/A	TS-6-3
0.700	0.560	0.195	17.8	14.2	5.0	3	N/A	5253
0.733	0.255	0.280	18.6	6.5	7.1	3	N/A	FS-6-11
0.815	0.485	0.265	20.7	12.3	6.7	2	GM-S-9	SS-6-3

SEALS, D-RINGS

Sorted By Inside Diameter



I.D. (inch)	Width (inch)	Height (inch)	I.D. (mm)	Width (mm)	Height (mm)	Ref. Part #	Tri Part #
1.614	0.068	0.118	41.0	1.7	3.0	HO-O-3V	NO-25-3
1.809	0.083	0.133	45.9	2.1	3.4	JA-O-13V	JO-25-22
2.018	0.086	0.112	51.3	2.2	2.8	MB-O-4V	HO-25-2
2.018	0.086	0.112	51.3	2.2	2.8	N/A	HO-25-2HD
2.020	0.080	0.130	51.3	2.0	3.3	MT-O-3V	TO-25-9
2.224	0.083	0.158	56.5	2.1	4.0	JA-O-8V	JO-25-13
3.795	0.078	0.112	96.4	2.0	2.8	MB-O-12V	HO-25-9
3.840	0.078	0.114	97.5	2.0	2.9	N/A	HO-25-4
3.904	0.083	0.152	99.2	2.1	3.9	CH-O-16V	TO-25-24
4.360	0.083	0.116	110.7	2.1	2.9	MB-O-6V	HO-25-7
5.114	0.085	0.145	129.9	2.2	3.7	FD-O-27V	FO-25-31
5.906	0.089	0.158	150.0	2.3	4.0	JA-O-9V	JO-25-14
6.200	0.081	0.152	157.5	2.1	3.9	JA-O-14V	JO-25-23
6.510	0.083	0.115	165.4	2.1	2.9	MB-O-2V	HO-25-1
6.528	0.080	0.125	165.8	2.0	3.2	MB-O-7V	HO-25-12
6.785	0.078	0.112	172.3	2.0	2.8	MB-O-11V	HO-25-8
6.962	0.083	0.149	176.8	2.1	3.8	CH-O-15V	TO-25-23
7.348	0.072	0.176	186.6	1.8	4.5	ZF-O-3V	PO-25-11
7.796	0.070	0.114	198.0	1.8	2.9	HO-O-4V	NO-25-2
7.816	0.085	0.140	198.5	2.2	3.6	FD-O-31V	FO-25-32
11.040	0.085	0.147	280.4	2.2	3.7	FD-O-26V	FO-25-33
11.970	0.240	0.080	302.7	6.1	2.0	S6758036	SO-23-45

SEALS, O-RINGS

Sorted By Inside Diameter



Thickness

I.D. (inch)	Thick (inch)	I.D. (mm)	Thick (mm)	Ref. Part #	Tri Part #
0.669	0.078	17.0	2.0	CH-O-10V	TO-25-16
0.703	0.083	17.9	2.1	ZF-O-5V	PO-25-14
1.102	0.098	28.0	2.5	GM-O-7V	SO-23-27
1.174	0.103	29.8	2.6	GMFD-O-2V	SO-23-42
1.181	0.139	30.0	3.5	FD-O-3V	FO-25-4
1.237	0.105	31.4	2.7	FD-O-13V	FO-25-7X
1.240	0.070	31.5	1.8	GM-O-21V	SO-23-21
1.240	0.075	31.5	1.9	GM-O-4V	SO-23-21A
1.250	0.094	31.8	2.4	FD-O-6V	FO-25-7
1.260	0.079	32.0	2.0	JA-O-1V	JO-25-1
1.299	0.103	33.0	2.6	NI-O-1V	JO-25-24
1.301	0.070	33.0	1.8	HO-O-1V	84048
1.327	0.088	33.7	2.2	JA-O-5V	JO-25-1X
1.362	0.103	34.6	2.6	GM-O-5V	SO-23-25
1.364	0.070	34.6	1.8	GM-O-6V	SO-23-26
1.398	0.075	35.5	1.9	HO-O-2V	NO-25-1
1.417	0.079	36.0	2.0	JA-O-2V	JO-25-2
1.438	0.079	36.5	2.0	HO-O-5V	NO-25-4
1.475	0.102	37.5	2.6	JA-O-3V	JO-25-4
1.489	0.065	37.8	1.7	GM-O-9V	SO-23-28
1.496	0.079	38.0	2.0	GM-O-17V	SO-23-39
1.500	0.103	38.1	2.6	JA-O-11V	JO-25-19
1.516	0.079	38.5	2.0	JA-O-6V	JO-25-12

SEALS, O-RINGS, *Continued*
Sorted By Inside Diameter



Thickness

I.D. (inch)	Thick (inch)	I.D. (mm)	Thick (mm)	Ref. Part #	Tri Part #
1.549	0.103	39.3	2.6	FD-O-8V	FO-25-8
1.575	0.109	40.0	2.8	FD-O-17V	FO-25-8A
1.612	0.103	40.9	2.6	CH-O-8V	TO-25-15
1.800	0.103	45.7	2.6	FD-O-23V	FO-25-18
1.825	0.092	46.4	2.3	N/A	YO-25-15
1.848	0.072	46.9	1.8	GM-O-2V	SO-23-24
1.850	0.100	47.0	2.5	JA-O-10V	JO-25-15
1.864	0.077	47.3	2.0	GM-O-10V	SO-23-24A
2.050	0.103	52.1	2.6	GM-O-8V	SO-23-33
2.050	0.108	52.1	2.7	GM-O-12V	SO-23-33X
2.087	0.138	53.0	3.5	FD-O-18V	FO-25-5X
2.087	0.097	53.0	2.5	MT-O-8V	TO-25-20
2.087	0.103	53.0	2.6	MT-O-10V	TO-25-21
2.114	0.075	53.7	1.9	GM-O-3V	SO-23-1A
2.118	0.070	53.8	1.8	GM-O-1V	SO-23-1
2.156	0.128	54.8	3.3	FD-O-4V	FO-25-5V
2.205	0.080	56.0	2.0	MZ-O-1V	JO-25-10
2.205	0.098	56.0	2.5	SU-O-2V	JO-25-18
2.224	0.107	56.5	2.7	FD-O-24V	FO-25-20
2.239	0.070	56.9	1.8	CH-O-12V	TO-25-19
2.300	0.103	58.4	2.6	GM-O-11V	SO-23-36
2.300	0.111	58.4	2.8	GM-O-19V	SO-23-46
2.346	0.079	59.6	2.0	RE-O-3V	RO-25-3

SEALS, O-RINGS, *Continued*
Sorted By Inside Diameter

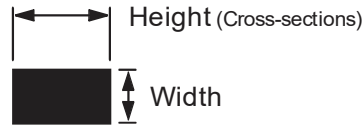
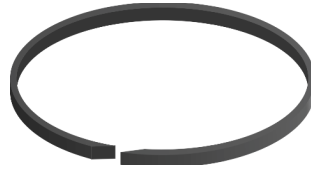


Thickness

I.D. (inch)	Thick (inch)	I.D. (mm)	Thick (mm)	Ref. Part #	Tri Part #
2.550	0.103	64.8	2.6	ZF-O-6V	PO-25-15
2.573	0.106	65.4	2.7	CH-O-11V	TO-25-17
2.756	0.098	70.0	2.5	FS-O-2V	PO-25-1
2.913	0.098	74.0	2.5	MT-O-4V	TO-25-4
2.913	0.106	74.0	2.7	N/A	TO-25-4X
2.945	0.103	74.8	2.6	FS-O-3V	PO-25-8
2.960	0.107	75.2	2.7	N/A	YO-25-17
3.150	0.098	80.0	2.5	CH-O-14V	TO-25-22
3.150	0.098	80.0	2.5	N/A	PO-25-3
3.189	0.098	81.0	2.5	SU-O-1V	JO-25-17
3.215	0.137	81.7	3.5	N/A	AO-23
3.236	0.103	82.2	2.6	VW-O-1V	VO-25-1
3.237	0.103	82.2	2.6	MT-O-7V	TO-25-25
3.240	0.098	82.3	2.5	MZ-O-2V	TO-25-14
4.110	0.122	104.4	3.1	CH-O-5V	TO-25-6X
4.150	0.106	105.4	2.7	CH-O-6V	TO-25-6V
4.237	0.103	107.6	2.6	CH-O-3V	TO-25-3V
6.190	0.125	157.2	3.2	N/A	YO-25-16
7.948	0.123	201.9	3.1	VW-O-5V	VO-25-5

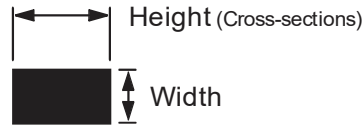
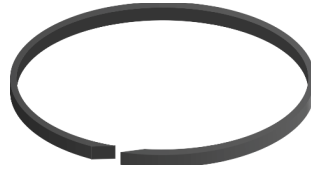
SEAL RINGS, PTFE

Sorted By Outside Diameter



O.D. (inch)	Width (inch)	Height (inch)	O.D. (mm)	Width (mm)	Height (mm)	Ref. Part #	Tri Part#
1.255	0.091	0.064	31.9	2.3	1.6	TO-O-14	YO-25-14
1.263	0.077	0.082	32.1	2.0	2.1	TO-O-8	YO-25-9
1.417	0.079	0.052	36.0	2.0	1.3	HO-O-36	NO-25
1.541	0.092	0.100	39.1	2.3	2.5	FD-O-40	FO-25-11
1.559	0.087	0.077	39.6	2.2	2.0	FD-O-22	FO-25-19
1.562	0.090	0.093	39.7	2.3	2.4	VW-O-3	VO-25-3
1.571	0.092	0.092	39.9	2.3	2.3	MZ-O-40	JO-25-8
1.675	0.130	0.096	42.5	3.3	2.4	FD-O-16	FO-25-16
1.683	0.130	0.095	42.7	3.3	2.4	FD-O-20	FO-25-13
1.689	0.092	0.092	42.9	2.3	2.3	JA-O-4	JO-25-9
1.693	0.091	0.083	43.0	2.3	2.1	JA-O-12	JO-25-21
1.699	0.090	0.089	43.2	2.3	2.3	JA-O-7	JO-25-16
1.710	0.100	0.111	43.4	2.5	2.8	FD-O-15	FO-25-15
1.730	0.102	0.114	43.9	2.6	2.9	FD-O-21	FO-25-14
1.730	0.094	0.086	43.9	2.4	2.2	GM-O-13	SO-23-35
2.049	0.084	0.112	52.0	2.1	2.8	FD-O-52	FO-25-1
2.049	0.092	0.110	52.0	2.3	2.8	N/A	FO-25-1A
2.052	0.090	0.093	52.1	2.3	2.4	VW-O-4	VO-25-4
2.140	0.074	0.080	54.4	1.9	2.0	RE-O-1A	RO-25-1
2.153	0.092	0.094	54.7	2.3	2.4	RE-O-2	RO-25-2
2.280	0.096	0.105	57.9	2.4	2.7	SU-O-58	JO-25-7

SEAL RINGS, PTFE, Continued
Sorted By Outside Diameter



O.D. (inch)	Width (inch)	Height (inch)	O.D. (mm)	Width (mm)	Height (mm)	Ref. Part #	Tri Part #
2.356	0.090	0.100	59.8	2.3	2.5	FD-O-29	FO-25-21
2.358	0.095	0.102	59.9	2.4	2.6	FD-O-60	JO-25-5
2.38	0.090	0.096	60.5	2.3	2.4	AL-O-1	SO-23-34
2.383	0.091	0.095	60.5	2.3	2.4	TO-O-4	YO-25-7
2.385	0.168	0.104	60.6	4.3	2.6	FD-O-19A	FO-25-17
2.393	0.098	0.128	60.8	2.5	3.3	GM-O-22	SO-23-30
2.404	0.087	0.081	61.1	2.2	2.1	FS-O-5	PO-25-10
2.586	0.113	0.081	65.7	2.9	2.1	GM-O-16	SO-23-43
2.683	0.088	0.106	68.1	2.2	2.7	TO-O-68	YO-25-1
2.758	0.100	0.111	70.1	2.5	2.8	FD-O-9	FO-25-12
2.953	0.091	0.085	75.0	2.3	2.2	AL-O-2	SO-23-37
3.160	0.091	0.100	80.3	2.3	2.5	AL-O-3	SO-23-44
3.493	0.093	0.113	88.7	2.4	2.9	MZ-O-3	JO-25-20
3.499	0.093	0.113	88.9	2.4	2.9	FD-O-11	TO-25-11
3.511	0.103	0.160	89.2	2.6	4.1	FD-O-30	FO-25-22
4.020	0.091	0.091	102.1	2.3	2.3	TO-O-102	YO-25-4
4.344	0.033	0.096	110.3	0.8	2.4	CH-O-4	TO-25-7
4.357	0.091	0.091	110.7	2.3	2.3	TO-O-110	YO-25-3
4.428	0.033	0.090	112.5	0.8	2.3	CH-O-2	TO-25-2

METAL CLAD SEALS

Sorted By Housing Diameter



Housing Dia.(inch)	Shaft Dia.(inch)	Housing Dia.(mm)	Shaft Dia.(mm)	Ref. Part #	Tri Part #
0.776	0.501	19.8	12.2	CH-O-9V	TO-25-8
0.788	0.533	20.0	13.5	FD-O-28V	FO-25-25
0.826	0.583	21.0	14.8	FS-O-4V	PO-25-9
0.852	0.531	21.6	13.5	N/A	SO-23-38
0.858	0.531	21.8	13.5	GM-O-14V	FO-25-26
0.870	0.512	22.1	13.0	MB-O-8V	HO-25-5
0.906	0.590	23.0	15.0	FD-O-10V	TO-25-12
0.906	0.639	23.0	16.2	GMFD-O-1V	SO-23-41
0.929	0.591	23.6	15.0	TO-O-7V	YO-25-12
0.929	0.591	23.6	15.0	TO-O-7V	YO-25-2 (Spring loaded)
0.929	0.61	23.6	15.5	TO-O-9V	YO-25-11
0.945	0.709	24.0	18.0	FS-O-27V	PO-25-6
0.945	0.709	24.0	18.0	N/A	PO-25-7 (Flanged)
0.969	0.63	24.8	16.0	MT-O-6V	TO-25-13
0.985	0.663	25.0	16.8	HK-O-1V	KO-25-1
0.984	0.669	25.0	16.8	MT-O-5V	TO-25-5
0.984	0.591	25.0	15.0	TO-O-3V	YO-25-5
0.984	0.61	25.0	15.5	TO-O-5V	YO-25-8
1.024	0.769	26.0	19.5	FD-O-7V	FO-25-9
1.066	0.775	27.0	19.9	CH-O-1V	TO-25-1
1.083	0.869	27.5	22.0	FD-O-5V	FO-25-6
1.095	0.755	27.8	19.2	TO-O-13V	YO-25-13
1.181	0.871	30.0	22.1	FD-O-32V	FO-25-23
1.26	1.043	32.0	26.6	VW-O-2V	VO-25-2
1.516	1.181	38.5	30.0	N/A	HO-25-13
1.851	1.554	47.0	39.5	FD-O-25V	FO-25-24

SEAL RINGS, SPECIAL DESIGN

O.D. (inch)	Width (inch)	Height (inch)	O.D. (mm)	Width (mm)	Height (mm)	Ref. Part #	Tri Part #	Shape
1.489	0.083	0.102	37.8	2.6	2.6	MB-O-10	HO-25-11	
2.742	0.099	0.083	69.6	2.5	2.1	MB-O-9	HO-25-6	
0.815	0.095	0.093	20.7	2.4	2.4	N/A	HO-25-14	
0.834	0.082	0.112	21.2	2.1	2.8	MB-O-5V	HO-25-3	
12.250	0.125	0.125	311.2	3.2	3.2	FD-O-2	FO-1-21	
3.976	0.137	0.137	101.0	3.5	3.5	FD-O-1	FO-1-20	
4.349	0.194	0.174	110.5	4.9	4.4	ZF-O-4V	PO-25-12	
1.722	0.095	0.160	43.7	2.4	4.1	ZF-O-2	PO-25-13	
2.367	0.086	0.196	60.1	2.2	5.0	FS-O-60K	PO-25T	
2.947	0.102	0.205	74.9	2.6	5.2	N/A	PO-25-2	
2.150	0.095	0.214	54.6	2.4	5.4	FS-O-1V	PO-25	

SHIMS
Sorted By O.D.

O.D. (in)	I.D. (in)	Thick.(in)	O.D.(mm)	I.D..(mm)	Thick.(mm)	Ref. #	Tri Part #
1.350	1.122	0.056	34.29	28.50	1.42	N/A	SW-9-11S
1.910	1.450	0.012	48.51	36.83	0.30	BW-WS-12	WW-9-1
2.000	1.750	0.020	50.80	44.45	0.51	FD-WS-18	FW-9-24
2.000	1.075	0.020	50.80	27.31	0.51	N/A	TW-9-14
2.175	1.510	0.030	55.25	38.35	0.76	GM-WS-30S	SW-2-30
2.175	1.510	0.060	55.25	38.35	1.52	GM-WS-60	SW-2-60
2.260	1.650	0.010	57.40	41.91	0.25	N/A	FW-9-20A
2.260	1.650	0.020	57.40	41.91	0.51	N/A	FW-9-20B
2.345	1.585	0.080	59.56	40.26	2.03	N/A	JW-2-5
2.345	1.585	0.042	59.56	40.26	1.07	MB-WS-4060	JW-2-5T
2.345	1.585	0.030	59.56	40.26	0.76	FS-WS-30	JW-2-5TT
2.350	1.482	0.010	59.69	37.64	0.25	N/A	FW-2-010
2.350	1.482	0.020	59.69	37.64	0.51	N/A	FW-2-020
2.350	1.482	0.030	59.69	37.64	0.76	N/A	FW-2-030
2.360	2.050	0.083	59.94	52.07	2.11	N/A	FW-9-21A
2.360	2.050	0.067	59.94	52.07	1.70	N/A	FW-9-21B
2.360	2.050	0.051	59.94	52.07	1.30	N/A	FW-9-21C
2.360	2.050	0.083	59.94	52.07	2.11	N/A	FW-9-21D
2.360	2.050	0.067	59.94	52.07	1.70	N/A	FW-9-21E
2.360	2.050	0.051	59.94	52.07	1.30	N/A	FW-9-21F
2.360	2.050	0.035	59.94	52.07	0.89	N/A	FW-9-21G
2.360	2.050	0.020	59.94	52.07	0.51	FD-WS-16	FW-9-21H
2.370	2.065	0.050	60.20	52.45	1.27	FD-WS-23	FW-9-22
2.380	1.350	0.010	60.45	34.29	0.25	VW-WS-20	VW-9-2
2.400	1.452	0.010	60.96	36.88	0.25	CH-WS-16	TW-9-010

SHIMS, Continued
Sorted By O.D.

O.D. (in)	I.D. (in)	Thick.(in)	O.D.(mm)	I.D..(mm)	Thick.(mm)	Ref. #	Tri Part #
2.400	1.452	0.020	60.96	36.88	0.51	CH-WS-17	TW-9-020
2.400	1.452	0.030	60.96	36.88	0.76	CH-WS-18	TW-9-030
2.410	1.700	0.010	61.21	43.18	0.25	N/A	HW-2-10
2.500	1.575	0.010	63.50	40.01	0.25	FS-WS-10	VW-2-10
2.500	1.575	0.020	63.50	40.01	0.51	FS-WS-20	VW-2-20
2.500	1.575	0.030	63.50	40.01	0.76	FS-WS-30	VW-2-30
2.582	2.406	0.020	65.58	61.11	0.51	FD-WS-6	FW-9-18
2.590	2.415	0.020	65.79	61.34	0.51	FD-WS-17	FW-9-23
2.700	1.880	0.050	68.58	47.75	1.27	N/A	FW-2-17
2.720	2.000	0.030	69.09	50.80	0.76	N/A	WW-9-5
2.750	1.585	0.010	69.85	40.26	0.25	N/A	SW-2-010
2.750	1.585	0.020	69.85	40.26	0.51	N/A	SW-2-020
2.750	1.585	0.030	69.85	40.26	0.76	GM-WS-30	SW-2-030
2.750	1.585	0.050	69.85	40.26	1.27	N/A	SW-2-050
2.820	1.975	0.010	71.63	50.17	0.25	CH-WS-7	TW-2-110
2.820	1.975	0.020	71.63	50.17	0.51	CH-WS-8	TW-2-120
2.820	1.975	0.030	71.63	50.17	0.76	CH-WS-9	TW-2-130
2.855	1.700	0.175	72.52	43.18	4.45	N/A	MW-2-135
2.870	2.073	0.010	72.90	52.65	0.25	CH-WS-21	TW-2-210
2.870	2.073	0.020	72.90	52.65	0.51	CH-WS-22	TW-2-220
2.870	2.073	0.030	72.90	52.65	0.76	CH-WS-23	TW-2-230
2.875	1.469	0.020	73.03	37.31	0.51	FD3-WS-20	TW-2X
2.875	1.469	0.010	73.03	37.31	0.25	FD3-WS-10	TW-2X10
2.875	1.469	0.030	73.03	37.31	0.76	FD3-WS-30	TW-2X30
2.938	1.875	0.010	74.63	47.63	0.25	FD-WS-10	MW-2-10

SHIMS, Continued
Sorted By O.D.

O.D. (in)	I.D. (in)	Thick.(in)	O.D.(mm)	I.D..(mm)	Thick.(mm)	Ref. #	Tri Part #
2.938	1.875	0.020	74.63	47.63	0.51	FD-WS-20	MW-2-20
2.938	1.875	0.030	74.63	47.63	0.76	FD-WS-30	MW-2-30
2.938	1.875	0.050	74.63	47.63	1.27	N/A	MW-2-50
2.950	2.160	0.010	74.93	54.86	0.25	CH-WS-10	TW-2-10
2.950	2.160	0.020	74.93	54.86	0.51	CH-WS-20	TW-2-20
2.950	2.160	0.030	74.93	54.86	0.76	CH-WS-30	TW-2-30
2.950	2.400	0.010	74.93	60.96	0.25	GM-WS-4	SW-2-210
2.950	2.400	0.020	74.93	60.96	0.51	GM-WS-5	SW-2-220 (SW-2-17)
2.950	2.400	0.030	74.93	60.96	0.76	GM-WS-6	SW-2-230
3.275	2.500	0.010	83.19	63.50	0.25	GM-WS-1	SW-2-110
3.275	2.500	0.020	83.19	63.50	0.51	GM-WS-2	SW-2-120 (SW-2-15)
3.275	2.500	0.030	83.19	63.50	0.76	GM-WS-3	SW-2-130
3.440	2.590	0.010	87.38	65.79	65.79	GM-WS-24	SW-2-410
3.440	2.590	0.020	87.38	65.79	65.79	GM-WS-25	SW-2-420
3.440	2.590	0.030	87.38	65.79	65.79	GM-WS-26	SW-2-430
3.600	2.350	0.010	91.44	59.69	0.25	GM-WS-43	SW-2-44
3.600	2.350	0.039	91.44	59.69	0.99	GMBW-WS-40	SW-2-45
3.725	2.750	0.010	94.62	69.85	0.25	N/A	SW-2-310
3.725	2.750	0.020	94.62	69.85	0.51	GM-WS-19	SW-2-320
3.725	2.750	0.030	94.62	69.85	0.76	GM-WS-20	SW-2-330
4.050	3.150	0.008	102.87	80.01	0.20	N/A	PX-8-1
4.050	3.150	0.020	102.87	80.01	0.51	N/A	PX-8-1A

SPRAGS

Tri Part #	Ref. Part #	Description	Outer Race I.D.(in)	Inner Race O.D.(in)	Width (in)	Outer Race I.D. (mm)	Inner Race O.D. (mm)	Width (mm)	Illustration
BC-6	N/A	14 Cams # F-315 2 Inside Strips	2.281	1.625	0.530	57.9	41.3	13.5	
BC-6HD	MI-SP-7	20 Cams # F-655 5 Outside Clips 3 Inside Strips	2.406	1.750	0.875	61.1	44.5	25.4	
FC-6	N/A	Standard Duty, 14 Cams	2.812	2.156	0.625	71.4	54.8	15.9	
FC-6-1	N/A	20 Cams # F-407 2 Inside Strips Replaced By FC-6-10	2.812	2.156	0.625	71.4	54.8	15.9	N/A
FC-6-10	DC5476A	24 Cams # F-395 12 Outside Clips, 3 Inside Strips	2.812	2.156	0.625	71.4	54.8	15.9	
FC-6-11	FD-SP-1	26 Cams	3.031	2.375	0.792	77.0	60.3	20.1	
FC-6-3	N/A	20 Cams # F-395 5 Outside Clips, 3 Inside Strips Replaced By FC-6-10	2.812	2.156	0.625	71.4	54.8	15.9	
FC-6-4	BW-SP-1	20 Cams # F-407 10 Outside Clips, 3 Inside Strips Replaced By FC-6-10	2.812	2.156	0.625	71.4	54.8	15.9	
FC-6-9	N/A	22/24 Cams # F-407 10 Outside Clips, 2/3 Inside Strips Replaced By FC-6-10	2.812	2.156	0.625	71.4	54.8	15.9	
JC-6-2	N/A	26 Cams # F-240 / S-240	2.820	2.410	0.450	71.6	61.2	11.4	

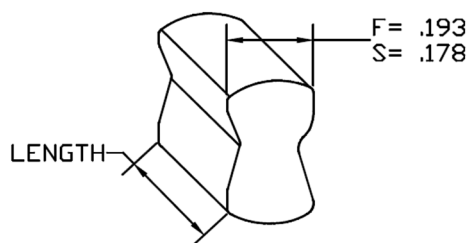
SPRAGS, Continued

Tri Part #	Ref. Part #	Description	Outer Race I.D.(in)	Inner Race O.D.(in)	Width (in)	Outer Race I.D. (mm)	Inner Race O.D. (mm)	Width (mm)	Illustration
MC-1	MI-SP-1	24 Cams # S-532 12 Outside Clips 3 Inside Strips	2.804	2.148	0.810	71.2	54.6	20.6	
MC-2	MI-SP-3	30 Cams # F-585 15 Outside Clips 3 Inside Strips	3.499	2.843	0.825	88.9	72.2	21.0	
MC-3	N/A	26 Cams # F-760 13 Outside Clips	3.000	2.344	1.000	76.2	59.5	25.4	
MC-4	MI-SP-4	22 Cams # S-532 11 Outside Clips 3 Inside Strips	2.614	1.958	0.750	66.4	49.7	19.1	
MC-5	N/A	22 Cams # S-532	2.540	1.870"	0.730	64.5	25.4	18.5	N/A
MC-6	MI-SP-5	26 Cams # F- 395 13 Outside Clips	2.930	2.274	0.635	74.4	57.8	16.1	
MC-8	BW-SP-5	22 cams	2.522	1.862	0.347	64.1	47.3	8.8	
PC-6	BW-SP-4	18 cams	2.615	1.958	0.457	66.4	49.7	11.6	
RC-6-1	RE-SP-1	Outer cage made of glass reinforced nylon 16 Cams # F-240	2.400	1.750	0.420	61.0	44.5	10.7	
SC-6	AL-SP-1	29 Cams	3.281	2.625	0.750	83.3	66.7	19.1	

SPRAGS, Continued

Tri Part #	Ref. Part #	Description	Outer Race I.D.(in)	Inner Race O.D.(in)	Width (in)	Outer Race I.D. (mm)	Inner Race O.D. (mm)	Width (mm)	Illustration
VC-6-1	N/A	22 Cams # F-295, 4 Outside Clips 4 Outside Clips	2.613	1.957	0.530	66.4	49.7	13.5	
WC-6	N/A	24 Cams	2.812	1.957	0.500	71.4	49.7	12.7	
YC-6	N/A	22 Cams # S-315	2.450	1.870	0.510	62.2	47.5	13.0	
YC-6-2	TO-SP-1	24 cams	2.717	2.074	0.638	69.0	52.7	16.2	
YC-6-3	BW-SP-2	24 Cams	2.747	2.087	0.336	69.8	53.0	8.5	
YC-6-4	BW-SP-3	23 Cams	2.622	1.966	0.343	66.6	49.9	8.7	

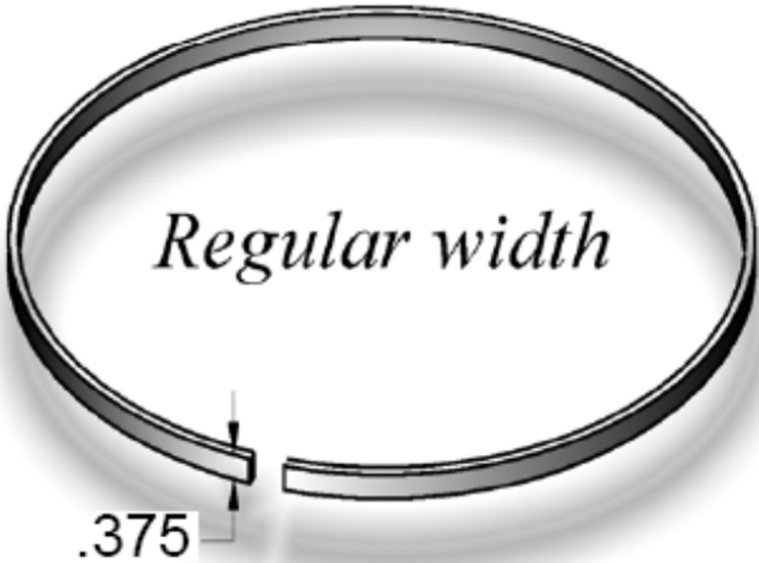
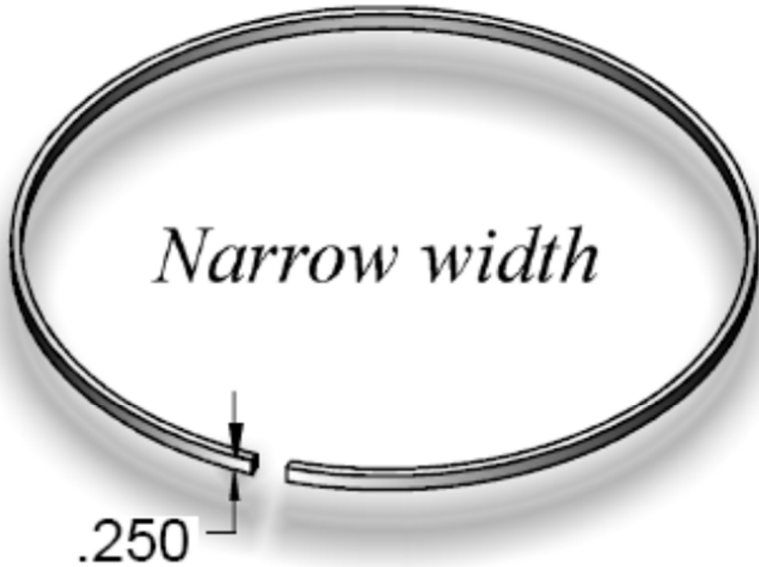
Sprags Are Economically Rebuildable By Tri Component. All Cores Should Be Saved For Rebuild Or Purchased By Tri Component. Call your Tri Pro For Other Sprag Components.



How to Specify Cams

Cam part number consists of a letter (F or S) and 3 digits. Letter F or S describes cam's width and 3 digits after dash - cam's length. For example: F-395 is a cam with dimensions: .193 wide and .395 long

SALVAGE RING™
Sorted By Outside Diameter



Tri Part #	O.D. (in)	Width
TX-24-559 TX-24-559NR	7.00	0.375 0.250
TX-22-7015 TX-22-7015NR	9.04	0.375 0.250
TX-22-786 TX-22-786NR	10.11	0.375 0.250
TX-22-7915 TX-22-7915NR	10.17	0.375 0.250
TX-22-840 TX-22-840NR	10.75	0.375 0.250
TX-22-846 TX-22-846NR	10.86	0.375 0.250
TX-22-855 TX-22-855NR	11.00	0.375 0.250
TX-22-878 TX-22-878NR	11.25	0.375 0.250
TX-22-8907 TX-22-8907NR	11.85	0.375 0.250
TX-21-972 TX-21-972NR	12.45	0.375 0.250
TX-22-985 TX-22-985NR	12.60	0.375 0.250
TX-21-1005 TX-21-1005NR	12.92	0.375 0.250
TX-23-1054 TX-23-1054NR	13.43	0.375 0.250

BEARING RACES & RETAINERS

Sorted By O.D.

O.D. (inch)	I.D. (inch)	MATER. THICK. (inch)	O.D. (mm)	I.D. (mm)	MATER. THICK. (mm)	DESCRIP.	TRI PART NUMBER
1.378	0.787	0.039	35.0	20.0	1.0	Race	NW-9W
1.450	0.830	0.038	36.8	21.1	1.0	Retainer	NW-9B
1.605	0.912	0.032	40.8	23.2	0.8	Retainer	NW-9-1A
1.690	0.950	0.039	42.9	24.1	1.0	Retainer	NW-9-1B
1.843	1.094	0.098	46.8	27.8	2.5	Race	TW-9-28
1.861	0.993	0.130	47.3	25.2	3.3	Race	TW-9-29
1.925	1.420	0.080	48.9	36.1	2.0	Race	TW-2-6
2.040	1.385	0.040	51.8	35.2	1.0	Race	PW-2-8
2.070	1.480	0.030	52.6	37.6	0.8	Retainer	SW-2-6
2.090	1.390	0.080	53.1	35.3	2.0	Race w/tangs	JW-9-9
2.110	1.557	0.030	53.6	39.5	0.8	Retainer	SW-2-5
2.120	1.460	0.040	53.8	37.1	1.0	Race	PW-2-9
2.126	1.260	0.075	54.0	32.0	1.9	Race	YW-9-7
2.167	1.510	0.030	55.0	38.4	0.8	Washer	SW-2-30
2.175	1.510	0.060	55.2	38.4	1.5	Retainer	SW-2-60
2.240	1.440	0.030	56.9	36.6	0.8	Race	WW-2-8
2.250	1.440	0.030	57.2	36.6	0.8	Retainer	SW-2-4
2.270	0.860	0.390	57.7	21.8	9.9	Retainer	JW-9-8
2.280	1.430	0.078	57.9	36.3	2.0	Retainer	TW-2-15
2.280	1.590	0.140	57.9	40.4	3.6	Race	YW-2-6
2.300	1.580	0.080	58.4	40.1	2.0	Race	YW-2
2.345	1.585	0.080	59.6	40.3	2.0	Race	JW-2-5

BEARING RACES & RETAINERS

Sorted By O.D.

O.D. (inch)	I.D. (inch)	MATER. THICK. (inch)	O.D. (mm)	I.D. (mm)	MATER. THICK. (mm)	DESCRIP.	TRI PART NUMBER
2.345	1.585	0.040	59.6	40.3	1.0	Race	JW-2-5T
2.345	1.585	0.030	59.6	40.3	0.8	Race	JW-2-5TT
2.350	1.480	0.040	59.7	37.6	1.0	Retainer	FW-2-3
2.350	1.540	0.098	59.7	39.1	2.5	Race	YW-2-17
2.350	1.590	0.040	59.7	40.4	1.0	Race	PW-2-4
2.370	1.376	0.030	60.2	35.0	0.8	Retainer	JW-2-6
2.400	1.700	0.030	61.0	43.2	0.8	Race	TW-2-13
2.420	1.700	0.080	61.5	43.2	2.0	Race	PW-2-3
2.420	1.700	0.080	61.5	43.2	2.0	Race	PW-2-5
2.430	1.495	0.032	61.7	38.0	0.8	Retainer	JW-2-4
2.440	1.664	0.030	62.0	42.3	0.8	Retainer	YW-2-4
2.480	1.710	0.040	63.0	43.4	1.0	Race w/tangs	FW-2-4
2.480	1.710	0.080	63.0	43.4	2.0	Race w/tangs	FW-2-4A
2.510	1.530	0.040	63.8	38.9	1.0	Race	PW-2-13
2.520	1.390	0.100	64.0	35.3	2.5	Washer	BW-2
2.550	1.728	0.080	64.8	43.9	2.0	Retainer	TW-2-12A
2.560	1.840	0.080	65.0	46.7	2.0	Race w/tangs	YW-2-5
2.560	1.840	0.080	65.0	46.7	2.0	Race w/tangs	YW-2-8
2.590	1.790	0.010	65.8	45.5	0.3	Race	YW-2-13
2.690	2.016	0.100	68.3	51.2	2.5	Race	YW-2-14
2.703	1.839	0.118	68.7	46.7	3.0	Race w/tangs	YW-2-25
2.726	1.841	0.096	69.2	46.8	2.4	Race w/tangs	YW-2-33

BEARING RACES & RETAINERS

Sorted By O.D.

O.D. (inch)	I.D. (inch)	MATER. THICK. (inch)	O.D. (mm)	I.D. (mm)	MATER. THICK. (mm)	DESCRIP.	TRI PART NUMBER
2.750	2.100	0.100	69.9	53.3	2.5	Race	JW-2-21
2.839	1.939	0.107	72.1	49.3	2.7	Race	FW-2-15
2.870	1.590	0.060	72.9	40.4	1.5	Race	PW-2-2
2.900	1.950	0.039	73.7	49.5	1.0	Race	PW-2-15
2.900	1.950	0.032	73.7	49.5	0.8	Race	PW-2-16
2.953	1.898	0.098	75.0	48.2	2.5	Race w/tangs	TW-2-24
3.000	1.760	0.045	76.2	44.7	1.1	Race	SW-2-9
3.000	2.530	0.080	76.2	64.3	2.0	Race w/tangs	JW-2-10
3.000	2.530	0.080	76.2	64.3	2.0	Retainer	JW-2-7
3.020	1.770	0.093	76.7	45.0	2.4	Retainer	SW-2-19
3.130	2.374	0.098	79.5	60.3	2.5	Retainer	SW-2-28
3.155	4.243	0.094	80.1	107.8	2.4	Race	SW-2-43
3.251	1.457	0.031	82.6	37.0	0.8	Race w/tangs	YW-2-32
3.310	2.560	0.098	84.1	65.0	2.5	Race	AW-2-4
3.315	2.556	0.098	84.2	64.9	2.5	Race	YW-2-19
3.341	2.421	0.138	84.9	61.5	3.5	Race with tangs	YW-2-24
3.380	2.530	0.118	85.9	64.3	3.0	Retainer	SW-2-27
3.420	2.600	0.077	86.9	66.0	2.0	Race w/tangs	SW-2-41
3.487	1.500	0.079	88.6	38.1	2.0	Race w/tangs	YW-2-29
3.811	1.594	0.059	96.8	40.5	1.5	Race	YW-2-28

INTERCHANGE

REFERENCE - TRI INTERCHANGE

SORTED BY REFERENCE NUMBERS

REF #	TRI #
10GMKHP	CK-6HP
10THC6	FX-13-42HP
10THFMX	FX-13-29HP
2676h1	FX-10-7
3473031	CX-5-15HP
3473073	CX-5-14HP
8GMRKCC	CK-3HP
8LPS	SX-22-3HP
8TH26	FX-13-41HP
8TH30	SX-13-35HP
AL-90-1G	SH-1-49GRC
AL-90-2G	SH-1-48GRC
AL-90-3G	SH-1-68HP
AL-90-4G	SH-1-65GRC
AL-CC-1	SX-22-1
AL-CC-2	SX-22-6
AL-DA-3P	SX-23-72
AL-HR-2	SX-14-7
AL-N-1	SW-2-31
AL-N-2	SW-2-32
AL-N-3	SW-2-36
AL-O-1	SO-23-34
AL-O-2	SO-23-37
AL-O-3	SO-23-44
AL-RO-1ASSY	SC-6-1
AL-SP-1	SC-6
AL-WA-2	SW-4-29
AL-WA-6	SW-4-33
AL-WF-1	SW-9-25
AL-WF-2	SW-9-26
AL-WF-3	SW-9-24
AL-WP1-OE	SW-9-18
AL-WS-3	SW-3-1
AS-CP-1FK	YX-26-1
AS-CP-1FK	YX-26-1K
AS-CP-2SK	YX-26-2
AS-CP-4S	YX-26-8
AS-CP-5F	YX-26-7
AS-HB-1	YX-22-1
AS-O-1V	AO-25-1
AS-PI-1	YX-17-1
AS-WA-1	YW-4-16
AW-CP-4S	VX-23-2
AW-CP-5P	VX-23-3

REF #	TRI #
AW-CP-6F	YX-26-3
AW-CP-7F	AX-26-1
AW-CP-7S	AX-26-2
AW-N-1	AW-2-1
AW-N-2	AW-2-2
AW-N-3	AW-2-3
AW-N-4	AW-2-4
B41	B-41
B42	B-42
B45001HTE	SX-23-57K
B45001HTS	SX-23-57HC
B45002HTE	SX-23-56K
B45002HTS	SX-23-56HC
B45010HTE	FX-23-10K
B45010HTS	FX-23-10HC
B45020HTE	JX-23-23JK
B45030HTE	FX-23-13K
B45030HTS	FX-23-13HC
B45040HTE	YX-23-1K
B45040HTS	YX-23-1HC
B45050HTE	JX-23-22K
B45050HTE	JX-23-32K
B45050HTS	JX-23-22HC
B45050HTS	JX-23-32HC
B45050HTS	FX-23-83HC
B45060HTE	JX-23-33K
B45064HTE	JX-23-10K
B45064HTS	JX-23-10HC
B45070HTE	FX-23-57K
B45070HTE	NX-23-8K
B45070HTE	PX-23-19K
B45070HTE	YX-23-3K
B45070HTS	FX-23-57HC
B45070HTS	NX-23-8HC
B45070HTS	PX-23-19HC
B45070HTS	YX-23-3HC
B45080HTE	FX-23-89K
B45084HTE	SX-23-47K
B45084HTS	SX-23-47HC
B45090HTE	NX-23-2K
B45090HTS	NX-23-2HC
B45100HTE	FX-23-18K
B45110HTE	JX-23-20K
B45110HTE	TX-23-21K

REF #	TRI #
B45120HTE	FX-23-6K
B45120HTS	FX-23-6HC
B45130HTE	SX-23-31K
B45150HTE	NX-23-1K
B45150HTS	NX-23-1HC
B45160HTE	JX-23-37K
B45170HTE	FX-23-17K
B45180HTE	TX-23-32K
B45190HTE	FX-23-26K
B45190HTE	TX-22XK
B45190HTS	FX-23-26HC
B45190HTS	TX-22XHC
B45200HTE	TX-23-17K
B45200HTS	TX-23-17HC
B45205HTE	TX-23-25K
B45210HTE	TX-23-18K
B45220HTE	TX-23-16K
B45220HTS	TX-23-15HC
B45225HTE	TX-23-36K
B45230HTE	SX-23-49K
B45230HTS	SX-23-49HC
B45240HTE	SX-23-25K
B45240HTS	SX-23-25HC
B45250HTE	SX-23-4K
B45250HTS	SX-23-4HC
B45260HTE	YX-23-21K
B45260HTS	YX-23-21HC
B45270HTE	SX-23-32K
B45270HTS	SX-23-32HC
B45280HTE	YX-23-22K
B45280HTS	YX-23-22HC
B45285HTE	PX-23-27K
B45290HTE	FX-23-63K
B45290HTE	NX-23-10K
B45290HTS	FX-23-63HC
B45300HTE	PX-23-9K
B45300HTS	PX-23-9HC
B45310HTE	JX-23-3K
B45310HTS	JX-23-3HC
B45320HTE	SX-23-13K
B45320HTS	SX-23-13HC
B45330HTE	PX-23-10K
B45330HTS	PX-23-10HC
B45350HTE	SX-23-44K

REFERENCE - TRI INTERCHANGE

SORTED BY REFERENCE NUMBERS

REF #	TRI #
B45350HTS	SX-23-44HC
B45360HTE	YX-23-19K
B45360HTS	YX-23-19HC
B45370HTE	NX-23-7K
B45370HTS	NX-23-7HC
B45380HTE	FX-23-19K
B45390HTE	TX-23-6K
B45410HTE	FX-23-86K
B45420HTE	RX-23-1K
B45420HTS	RX-23-1HC
B45440HTE	YX-23-17K
B45440HTS	YX-23-17HC
B45450HTE	NX-23-9K
B45450HTS	NX-23-9HC
B45460HTE	JX-23-42K
B45460HTS	JX-23-42HC
B45500HTE	TX-23XK
B45510HTE	SX-23-66K
B45520HTE	JX-23-8K
B45520HTE	YX-23-12K
B45520HTS	JX-23-8HC
B45520HTS	YX-23-12HC
B45540HTE	FX-23-24K
B45540HTE	NX-23-6K
B45540HTS	FX-23-24HC
B45540HTS	NX-23-6HC
B45551HTE	FX-23-28K
B45551HTS	FX-23-28HC
B45580	SX-23-65
B45580HTE	SX-23-65K
B45590HTE	HX-23-10MK
B45590HTS	HX-23-10MHC
B45606HTE	FX-23-74SK
B45606HTS	FX-23-74SHC
B45620HTE	RX-23-2AMK
B45620HTE	RX-23-2BMK
B45620HTS	RX-23-2AMHC
B45620HTS	RX-23-2BMHC
B45640HTE	SX-23-51K
B45640HTE	YX-23-26
B45640HTS	SX-23-51HC
B45650HTS	FX-23-69HC
B45670HTS	SX-23-55HC
B45680HTE	SX-23-61K

REF #	TRI #
B45680HTS	SX-23-61HC
B45690HTE	PX-23-11K
B45690HTS	PX-23-11HC
B45740HTS	PX-23-20HC
B45750HTE	FX-23-52K
B45750HTS	FX-23-52HC
B45930HTE	NX-23-12K
B45930HTE	NX-23-5K
B45930HTS	NX-23-12HC
B45930HTS	NX-23-5HC
B45935HTE	FX-23-82SK
B45935HTS	FX-23-82SHC
B45940HTE	YX-23-24K
B45950HTE	FX-23-83SK
B45955HTE	FX-23-80MK
B45955HTE	FX-23-80SK
B45960HTE	FX-23-65K
B45970HTE	YX-23-25K
B46610HTE	SX-23-66X70K
B61	B-61
B62	B-62
B63	B-63
B66001HTS	SX-23-57X70HC
B66002HTS	SX-23-56X70HC
B66010HTE	FX-23-10X70K
B66010HTS	FX-23-10X70HC
B66020HTE	JX-23-23X70K
B66030HTL	FX-23-13X70HC
B66030HTL	FX-23-13X70K
B66040HTE	YX-23-1X70K
B66040HTS	YX-23-1X70HC
B66050HTE	JX-23-22X70K
B66050HTE	JX-23-32X70K
B66050HTS	JX-23-22X70HC
B66050HTS	JX-23-32X70HC
B66060HTE	JX-23-33X70K
B66064HTE	JX-23-10X70K
B66070HTE	FX-23-57X70K
B66070HTE	NX-23-8X70K
B66070HTE	PX-23-19X70K
B66070HTE	YX-23-3X70K
B66070HTS	FX-23-57X70HC
B66070HTS	PX-23-19X70HC
B66070HTS	YX-23-3X70HC

REF #	TRI #
B66084HTE	SX-23-47X70K
B66084HTS	SX-23-47X70HC
B66090HTE	NX-23-2X70K
B66090HTS	NX-23-2X70HC
B66100HTS	FX-23-18X70HC
B66110HTE	JX-23-20X70K
B66110HTE	TX-23-21X70K
B66120HTE	FX-23-6X70K
B66120HTS	FX-23-6X70HC
B66130HTE	SX-23-31X70K
B66150HTE	NX-23-1X70K
B66150HTS	NX-23-1X70HC
B66160HTE	JX-23-37X70K
B66170HTE	FX-23-17X70K
B66180HTE	TX-23-32X70K
B66190HTE	FX-23-26X70K
B66190HTE	TX-22X70K
B66190HTS	FX-23-26X70HC
B66190HTS	TX-22X70HC
B66200HTE	TX-23-17X70K
B66200HTS	TX-23-17X70HC
B66205HTE	TX-23-25X70K
B66210HTE	TX-23-18X70K
B66220HTE	TX-23-15X70K
B66220HTE	TX-23-16X70K
B66220HTS	TX-23-15X70HC
B66225HTE	TX-23-36X70K
B66230HTE	SX-23-49X70K
B66230HTS	SX-23-49X70HC
B66240HTE	SX-23-25X70K
B66240HTS	SX-23-25X70HC
B66250HTE	SX-23-4X70K
B66250HTS	SX-23-4X70HC
B66260HTE	YX-23-21X70K
B66270HTE	SX-23-32X70K
B66270HTS	SX-23-32X70HC
B66280HTE	YX-23-22X70K
B66285HTE	PX-23-27X70K
B66290HTE	FX-23-63X70K
B66290HTE	NX-23-10X70K
B66300HTE	PX-23-9X70K
B66300HTS	PX-23-9X70HC
B66310HTE	JX-23-3X70K
B66310HTS	JX-23-3X70HC

REFERENCE - TRI INTERCHANGE

SORTED BY REFERENCE NUMBERS

REF #	TRI #
B66320HTE	SX-23-13X70K
B66320HTS	SX-23-13X70HC
B66330HTE	PX-23-10X70K
B66330HTS	PX-23-10X70HC
B66340HTE	FX-23-88X70T
B66350HTE	SX-23-44X70K
B66350HTS	SX-23-44X70HC
B66360HTE	YX-23-19X70K
B66370HTE	NX-23-7X70K
B66370HTS	NX-23-7X70HC
B66390HTE	TX-23-6X70K
B66450HTE	NX-23-9X70K
B66450HTS	NX-23-9X70HC
B66460HTE	JX-23-42X70K
B66500HTE	TX-23-19X70K
B66500HTE	TX-23X70K
B66500HTS	TX-23-19X70HC
B66500HTS	TX-23X70HC
B66520HTE	JX-23-8X70K
B66520HTE	YX-23-12X70K
B66520HTS	JX-23-8X70HC
B66520HTS	YX-23-12X70HC
B66551HTE	FX-23-28X70K
B66551HTS	FX-23-28X70HC
B66606HTS	FX-23-74X70HC
B66680HTE	SX-23-61X70K
B66680HTS	SX-23-61X70HC
B66750HTE	FX-23-52X70K
B66750HTS	FX-23-30X70HC
B66750HTS	FX-23-52X70HC
B66930HTE	NX-23-5X70K
B66930HTS	NX-23-12X70HC
B66930HTS	NX-23-5X70HC
B66940HTE	YX-23-24X70K
B66960HTE	FX-23-65X70K
B66960HTS	FX-23-65X70HC
B66970HTE	YX-23-25X70K
B78	B-78
B79	B-79
BW35-WF-094	WW-9-3BF
BW-90-11G	WH-1-9GRC
BW-90-1G	WH-1TBGRC
BW-90-23G	MH-1TCMLGRC
BW-90-24G	MH-1TCMGRC

REF #	TRI #
BW-90-2G	BH-1-4GRC
BW-90-32G	WH-1-7SGRC
BW-90-34G	WH-1-3GRC
BW-90-37G	WH-1-6GRC
BW-90-38G	JH-1-33GRC
BW-90-39G	WH-1-25FLG
BW-90-3G	YH-1-3GRC
BW-90-40G	WH-1-21FLG
BW-90-42G	MH-1-7GRC
BW-90-47G	SH-1-23GRC
BW-90-49G	SH-1-55GRC
BW-90-4G	YH-1-5GRC
BW-90-50G	WH-1-24GRC
BW-90-5BG	WH-1-19GRC
BW-90-5BG	WH-1-23GRC
BW-90-5G	WH-1-5GRC
BW-90-6G	WH-1-7GRC
BW-B-1	WB-18B
BW-B-2	SB-18-3
BW-CC-1	WX-22-1
BW-DS-1	SX-23-34FLG
BW-DS-2	SX-23-60
BW-FN-1	FX-10-5
BW-H-11G	WH-1-9G
BW-H-1G	WH-1TBG
BW-H-23G	MH-1TCMLG
BW-H-34G	WH-1-3G
BW-H-37G	WH-1-6G
BW-H-3G	YH-1-3G
BW-H-43G	BH-1-1G
BW-H-4G	YH-1-5G
BW-H-5G	WH-1-5G
BW-H-6G	WH-1-7G
BW-HR-2	WX-14-2
BW-HR-3	WX-14-1
BW-HR-35	WX-14
BW-HR-4	FX-14
BW-HR-5	PX-14-5
BW-HT-1	WX-13-5
BW-HT-10HS	WX-13-3HT
BW-HT-11HS	WX-13-10HT
BW-HT-12HS	WX-13-9HT
BW-HT-14	BX-13-4
BW-HT-15HS	WX-13-14HT

REF #	TRI #
BW-HT-16	BX-13
BW-HT-16HS	BX-13HT
BW-HT-17HS	BX-13-2HT
BW-HT-18HS	BX-13-3HT
BW-HT-2HS	FX-13-8HT
BW-HT-3HS	WX-13-6SHT
BW-HT-4HS	WX-13-8HT
BW-HT-5HS	WX-13-7HT
BW-HT-6	FX-13-7
BW-HT-7	WX-13-1
BW-HT-8	WX-13-2
BW-HT-9	WX-13-4
BW-I-26	WX-13-26
BW-MI-1	WX-8-1
BW-MI-2	WX-21TX
BW-MI-3	WX-22TB
BW-MI-4	WX-22TC
BW-R-55	BX-14
BW-RG-146	RG-146S
BW-RV-1	WX-12BS
BW-SP-1	FC-6-4
BW-SP-2	YC-6-3
BW-SP-3	YC-6-4
BW-SP-4	PC-6
BW-SP-5	MC-8
BW-ST-1S	SX-5-11
BW-WA-4	WW-4
BW-WA-46	WW-4-6
BW-WA-7	WW-4-8
BW-WB-1	WW-4B
BW-WB-2	WW-9
BW-WF-062	WW-9-7A
BW-WF-094	WW-9-7B
BW-WP-10	WW-4-7
BW-WP2-OE	SW-4-19A
BW-WP-3	WW-9-11
BW-WP3-OE	FW-9
BW-WP-4	SW-9-16
BW-WS-1	WW-2-5
BW-WS-12	WW-9-1
BW-WS-2	WW-2-1
BW-WS-3	WW-2-3
CH-90-10BG	TH-1-18GRC
CH-90-11G	TH-1-12AGRC

REFERENCE - TRI INTERCHANGE

SORTED BY REFERENCE NUMBERS

REF #	TRI #
CH-90-12G	TH-1-28AGRC
CH-90-13BG	TH-1-14TGRC
CH-90-16BG	TH-1-32TGRC
CH-90-16G	TH-1-32GRC
CH-90-17BG	TH-1-33TGRC
CH-90-17G	TH-1-33GRC
CH-90-18BG	TH-1-19GRC
CH-90-18G	TH-1-17GRC
CH-90-19G	TH-1-46FLG
CH-90-1BG	TH-1TGRC
CH-90-1G	TH-1-1GRC
CH-90-21G	TH-1-25GRC
CH-90-25G	TH-1-42FLG
CH-90-26G	TH-1-20GRC
CH-90-2BG	TH-1TBGRC
CH-90-2G	TH-1-2GRC
CH-90-3BG	TH-1-15GRC
CH-90-3BG	TH-1-15TGRC
CH-90-3G	TH-1-3GRC
CH-90-4BG	TH-1-4GRC
CH-90-4FG	TH-1-20AGRC
CH-90-4G	TH-1-4AGRC
CH-90-6BG	TH-1TSGRC
CH-90-8BG	TH-1-5TGRC
CH-90-8G	TH-1-8GRC
CH-90CM-20BG	TH-1-35GCM
CH-90CM-21BG	TH-1-34GCM
CH-90CM-28G	TH-1-44FLG
CH-B-1	TB-18-1
CH-B-1X	TB-18-1X
CH-B-2	TB-18-4
CH-B-2X	TB-18-4X
CH-B-3	TB-18-13
CH-B-3X	TB-18-14
CH-CC-1	TX-22-15
CH-CC-5	TX-22-14
CH-CC-7	TX-22-10
CH-CP-6BW	TX-24-15
CH-DA-3P	TX-24-5N
CH-DA-5PB	TX-23-34
CH-FN-1	TX-10-8
CH-FP-1	TX-600
CH-FP-2	TX-601
CH-FP-3	TX-800

REF #	TRI #
CH-FP-4	TX-801
CH-H-11G	TH-1-12AG
CH-H-12G	TH-1-28AG
CH-H-13BG	TH-1-14TG
CH-H-16BG	TH-1-32TG
CH-H-16G	TH-1-32G
CH-H-17G	TH-1-33G
CH-H-18BG	TH-1-19G
CH-H-18G	TH-1-17G
CH-H-1BG	TH-1TG
CH-H-1G	TH-1-1G
CH-H-1X	TH-1-1
CH-H-21G	TH-1-25G
CH-H-26G	TH-1-20G
CH-H-2BG	TH-1TBG
CH-H-2G	TH-1-2G
CH-H-2X	TH-1-2
CH-H-3BG	TH-1-15G
CH-H-3G	TH-1-3G
CH-H-3X	TH-1-3
CH-H-4BG	TH-1-18G
CH-H-4BG	TH-1-4G
CH-H-4FG	TH-1-20AG
CH-H-4G	TH-1-4AG
CH-H-8BG	TH-1-5TG
CH-H-8G	TH-1-8G
CH-H-8X	TH-1-8
CH-HR-1	TX-14-6
CH-HR-2	TX-14-4
CH-HR-3	TX-14-7
CH-HR-4	CX-14CB
CH-HT-1	TX-13-5S
CH-HT-10	TX-13-7S
CH-HT-12HS	TX-13-28HT
CH-HT-13HS	TX-13-29HT
CH-HT-19HS	TX-13-38HT
CH-HT-1HS	TX-13-5HT
CH-HT-2	TX-13-6
CH-HT-20HS	TX-13-41HT
CH-HT-25HS	TX-13-43HT
CH-HT-27HS	TX-13-42HT
CH-HT-4	TX-13-4
CH-HT-5	TX-13-1030
CH-HT-6	TX-13-8

REF #	TRI #
CH-HT-670HS	TX-13-13HT
CH-HT-7	TX-13-1017
CH-HT-9HS	TX-13-14HT
CH-HTCM-16	TX-13-40HP
CH-N-1	TW-2-4
CH-N-10	TW-9-24
CH-N-11	TW-9-29
CH-N-2	TW-2-22B
CH-N-3	TW-2-18
CH-N-4	TW-2-23
CH-N-5	TW-2-24
CH-N-6	TW-9-27
CH-N-7	TW-9-28
CH-N-8	TW-9-8
CH-N-9	TW-9-13
CH-O-10V	TO-25-16
CH-O-11V	TO-25-17
CH-O-12V	TO-25-19
CH-O-14V	TO-25-22
CH-O-15V	TO-25-23
CH-O-16V	TO-25-24
CH-O-1V	TO-25-1
CH-O-2	TO-25-2
CH-O-3V	TO-25-3V
CH-O-4	TO-25-7
CH-O-5V	TO-25-6X
CH-O-6V	TO-25-6V
CH-O-8V	TO-25-15
CH-O-9V	TO-25-8
CH-PI-1	TX-17-3
CH-RG-122	RG-122
CH-RG-130	RG-130H
CH-RG-130T	RG-130
CH-RG-149	RG-149
CH-RG-153	RG-153
CH-RG-158	RG-158
CH-RG-172	RG-172
CH-RO-623A	TR-7
CH-RO-623A	TR-7-2
CH-RV-1	TX-12-2
CH-RV-2	TX-12-6
CH-RV-3	PX-12
CH-RV-3	TX-12-7
CH-RV-4	TX-12-9

REFERENCE - TRI INTERCHANGE

SORTED BY REFERENCE NUMBERS

REF #	TRI #
CH-RV-5	TX-12-10
CH-RV-6	TX-12-8
CH-S-1	TS-6
CH-S-2	TS-6-1
CH-S-5HP	TS-6-5HP
CH-SD-1	TX-24-13
CH-SD-2	TX-24-12
CH-SD-B	TX-24B
CH-SD-G	TX-24G
CH-SD-O	TX-24-1
CH-SD-P	TX-24-8
CH-SD-R	TX-24R
CH-SD-W	TX-24W
CH-SD-Y	TX-24Y
CH-WA-10	TW-4-2
CH-WA-3	TW-4-17
CH-WA-4	TW-4-13
CH-WA-9	TW-4-4
CH-WB-1	TW-3-3
CH-WB-3	TW-3-9
CH-WF-062	TW-9-7CF
CH-WF-094	TW-9-7DF
CH-WF-1	TW-9-15
CH-WF-1	TW-9-15PR
CH-WF-125	TW-9-7AF
CH-WF-156	TW-9-7BF
CH-WF-3	TW-9-21
CH-WF-4	TW-9-25
CH-WF-5	TW-9-26
CH-WP2-OE	TW-9-23
CH-WP2-OE	TW-9-23B
CH-WP4-OE	TW-4-19
CH-WP-5	TW-9-30
CH-WP7-OE	TW-4-16
CH-WP-8	TW-9-31
CH-WS-1	TW-2
CH-WS-10	TW-2-10
CH-WS-11	TW-4-11
CH-WS-12	TW-2-2
CH-WS-14	TW-4-11A
CH-WS-15	TX-22-840
CH-WS-16	TW-9-010
CH-WS-17	TW-9-020
CH-WS-18	TW-9-030

REF #	TRI #
CH-WS-2	TW-2-3
CH-WS-20	TW-2-20
CH-WS-21	TW-2-210
CH-WS-22	TW-2-220
CH-WS-23	TW-2-230
CH-WS-26	TW-4-20
CH-WS-27	TW-4-21
CH-WS-30	TW-2-30
CH-WS-7	TW-2-110
CH-WS-8	TW-2-120
CH-WS-9	TW-2-130
CH-WT-100	TX-22WA
CH-WT-120	TX-22WD
CH-WT-13	TX-22WS
CH-WT-132	TX-22WB
CH-WT-32	TX-22WM
CH-WT-60	TX-22WL
CH-WT-91	TX-22WC
CI-B-1	D-11
CI-B-2	D-12
CI-MI-1	D-9
CI-MI-2	TX-10
CI-MI-3	D-23
CI-N-3	D-22A
CI-O-1	D-7
CI-O-2	D-10
CI-RG-146XF	RG-146
CI-S-1	D-5
CV-B-1	CB-18
CV-HR-2	CX-14
CV-HT-2	CX-13
CV-HT-2HS	CX-13HT
CV-HT-4HS	MX-13-17HT
CV-HT-5HS	MX-13-30HT
CV-HT-HS	CX-13-1HT
CV-R-1	CX-14-1
CV-WA-1	CW-4
CV-WA-3	CW-4-4
CV-WF-062	CW-9-062
CV-WF-094	CW-9-094
CV-WF-125	CW-9F
CV-WP1-OE	CW-4P
CV-WP2-OE	CW-4-3P
CV-WP3-OE	CW-4-300

REF #	TRI #
FD3-WS-10	TW-2X10
FD3-WS-20	TW-2X
FD3-WS-30	TW-2X30
FD5-WF-047	FW-9-9A
FD5-WF-062	FW-9-9
FD-90-10BG	FH-1-CB9GRC
FD-90-10FG	FH-1-9FGRC
FD-90-140G	FH-1-46FLG
FD-90-15FG	FH-1-16FGRC
FD-90-16BG	FH-1-CB3GRC
FD-90-17G	FH-1-13GRC
FD-90-20BG	FH-1-15TGRC
FD-90-22G	FH-1-13FLG
FD-90-24BG	FH-1-14TGMRC
FD-90-27G	FH-1-7GRC
FD-90-30BG	FH-1-CB30GRC
FD-90-30FG	FH-1-30FGRC
FD-90-32G	FH-1-12GRC
FD-90-35BG	FH-1-14TGRC
FD-90-35FG	FH-1-14FGRC
FD-90-37G	FH-1-18FLG
FD-90-38BG	FH-1-CB11GRC
FD-90-3BG	FH-1-CB14GRC
FD-90-3BX	FH-1-CB3
FD-90-3FG	FH-1-3FGRC
FD-90-45FG	FH-1-23GRC
FD-90-48FG	FH-1-27FGRC
FD-90-4BG	FH-1-CB4GRC
FD-90-4FG	FH-1-4FGRC
FD-90-51G	FH-1-300ELGRC
FD-90-54FG	FH-1-43FLG
FD-90-59G	FH-1-55FLG
FD-90-5BG	FH-1-CB5GRC
FD-90-5FG	FH-1-5FGRC
FD-90-60G	TH-1-36GRC
FD-90-61G	FH-1-40FLG
FD-90-62G	FH-1-48GRC
FD-90-63FG	FH-1-45GRC
FD-90-66G	FH-1-49FLG
FD-90-68G	FH-1-47GRC
FD-90-6BG	FH-1-CB6GRC
FD-90-6BX	FH-1-CB6
FD-90-6FG	FH-1-6FGRC
FD-90-71G	FH-1-50FLG

REFERENCE - TRI INTERCHANGE

SORTED BY REFERENCE NUMBERS

REF #	TRI #
FD-90-8BG	FH-1-CB13GRC
FD-90-8FG	FH-1-8FGRC
FD-90-9BG	FH-1-CB16GRC
FD-90-9FG	FH-1-11FGRC
FD-90CM-40G	FH-1-38HP
FD-90-DD	FH-1-500GRC
FD-B-1	FB-18
FD-B-10	FB-18-9
FD-B-11	FB-18-8
FD-B-2	FB-18-4
FD-B-2X	FB-18-4X
FD-B-3	FB-18-3
FD-B-4	FB-18-6
FD-B-9	FB-18-7
FD-CC-11	FX-22-6D
FD-CC-12D	FX-22-35
FD-CC-12D	FX-22-4D
FD-CC-16	FX-22-27
FD-CC-17L4	FX-22-36
FD-CC-17S	FX-22-29
FD-CC-21S	FX-22-37
FD-CC-22S	FX-22-38
FD-CP-1	FX-23-31
FD-CP-12	FX-23-77
FD-CP-13	FX-23-76
FD-CP-140A	FX-23-81
FD-CP-15	FX-26-1
FD-CP-18	FX-26-2
FD-CP-19	FX-26-3
FD-CP-2	FX-23-32
FD-CP-7	FX-23-53
FD-DA-13	FX-23-45
FD-DA-14	FX-23-43
FD-DA-17PB	FX-23-60
FD-DA-17PBF	FX-23-60A
FD-DA-18PB	FX-23-68
FD-DA-18PBF	FX-23-68A
FD-DA-19PB	FX-23-66
FD-DA-19PBF	FX-23-66A
FD-DA-23P	FX-23-79
FD-DA-5	FX-23-106
FD-DA-6	FX-23-109
FD-DA-7	FX-23-8N
FD-DA-8	FX-23-108

REF #	TRI #
FD-DA-9	FX-23-11N
FD-DA-9K	FX-23-11
FD-DP-1B	FX-11
FD-DS-3	FX-23-95
FD-FE-7	FX-23-10
FD-FN-4	FX-10-4
FD-FN-6K	FX-10-21K
FDGM-HT-1	FX-13-27HD
FDGM-HT-HPHS	FX-13GMHT
FDGM-R-1	FX-14CB
FDGM-R-HP	FX-14-27
FD-H-10BG	FH-1-CB9G
FD-H-10FG	FH-1-9FG
FD-H-16BG	FH-1-CB3G
FD-H-17G	FH-1-13G
FD-H-24BG	FH-1-14TGM
FD-H-25G	FH-1-20G
FD-H-30BG	FH-1-CB30G
FD-H-30FG	FH-1-30FG
FD-H-35BG	FH-1-14TG
FD-H-35FG	FH-1-14FG
FD-H-38BG	FH-1-CB11G
FD-H-3BG	FH-1-CB14G
FD-H-3FG	FH-1-3FG
FD-H-3FX	FH-1-3F
FD-H-41-CP	FH-1-25FLG
FD-H-4BG	FH-1-CB4G
FD-H-4FG	FH-1-4FG
FD-H-51G	FH-1-300ELG
FD-H-5BG	FH-1-CB5G
FD-H-5FG	FH-1-5FG
FD-H-6BG	FH-1-CB6G
FD-H-6FG	FH-1-6FG
FD-H-6FX	FH-1-6F
FD-H-8FG	FH-1-8FG
FD-H-9BG	FH-1-CB16G
FD-H-9FG	FH-1-11FG
FD-H-DD	FH-1-500G
FD-HC-6R140	MHC-A
FD-HR-11	FX-14-9
FD-HR-6	FX-14-1J
FD-HR-8	FX-14-10HP
FD-HT-12HS	FX-13-31HT
FD-HT-13K	FX-13-19BK

REF #	TRI #
FD-HT-14HSK	FX-13-19CKHT
FD-HT-16HS	FX-13-21HT
FD-HT-25HS	FX-13-33HT
FD-HT-27	FX-13-3S
FD-HT-30	FX-13-16
FD-HT-31HS	FX-13-34HT
FD-HT-32HS	FX-13-37HT
FD-HT-33HS	FX-13-35HT
FD-HT-34HS	FX-13-22HT
FD-HT-37HS	FX-13-44HT
FD-HT-38HS	FX-13-48HT
FD-HT-39HS	FX-13-32HT
FD-HT-3HS	FX-13-30HT
FD-HT-4	FX-13-4S
FD-HT-40HS	FX-13-45HT
FD-HT-40HSK	FX-13-45HTK
FD-HT-41HS	FX-13-43HT
FD-HT-4E	FX-13-1
FD-HT-4HS	FX-13-4HT
FD-HT-4T	FX-13-6
FD-HT-5HS	FX-13-39HT
FD-HT-6	FX-13-2
FD-HT-65HS	FX-13-15HT
FD-HT-66HS	FX-13-46HT
FD-HT-6HS	FX-13-2S
FD-HT-A4LDHS	FX-13-13SHT
FD-HT-AODEHS	FX-13-20HT
FD-HT-AODHS	FX-13-10HT
FD-HT-AXOD	FX-13-14
FD-HTCM-26K	FX-22-26K
FD-HT-E4OD	FX-13-19
FD-HT-E4ODHS	FX-13-19HT
FD-I-26	FX-13-26
FD-I-2K	FX-13-28K
FD-I-4	FX-22-21
FD-I-5	FX-22-23
FD-I-7	FX-22-26
FD-IK-01	FX-22-25
FD-N-1	FW-2-3
FD-N-10	FW-2-11
FD-N-11	FW-2-15
FD-N-12	FW-2-16
FD-N-13	FW-2-14
FD-N-14	FW-2-13

REFERENCE - TRI INTERCHANGE

SORTED BY REFERENCE NUMBERS

REF #	TRI #
FD-N-15	FW-2-12
FD-N-16	FW-9-29
FD-N-17	FW-9-31
FD-N-17T	FW-9-32
FD-N-1K	FW-2BK
FD-N-2	FW-2-4
FD-N-3	FW-2-4A
FD-N-5	FW-2-6
FD-N-6	FW-2-8
FD-N-7	FW-2-9
FD-N-8	FW-2-5
FD-N-9	FW-2-10
FD-O-1	FO-1-20
FD-O-10V	TO-25-12
FD-O-11	TO-25-11
FD-O-13V	FO-25-7X
FD-O-15	FO-25-15
FD-O-16	FO-25-16
FD-O-17V	FO-25-8A
FD-O-18V	FO-25-5X
FD-O-19A	FO-25-17
FD-O-2	FO-1-21
FD-O-20	FO-25-13
FD-O-21	FO-25-14
FD-O-22	FO-25-19
FD-O-23V	FO-25-18
FD-O-24V	FO-25-20
FD-O-25V	FO-25-24
FD-O-26V	FO-25-33
FD-O-27V	FO-25-31
FD-O-28V	FO-25-25
FD-O-29	FO-25-21
FD-O-30	FO-25-22
FD-O-31V	FO-25-32
FD-O-32V	FO-25-23
FD-O-33	FO-25-34
FD-O-3V	FO-25-4
FD-O-40	FO-25-11
FD-O-4V	FO-25-5V
FD-O-52	FO-25-1
FD-O-5V	FO-25-6
FD-O-60	JO-25-5
FD-O-6V	FO-25-7
FD-O-7V	FO-25-9

REF #	TRI #
FD-O-8V	FO-25-8
FD-O-9	FO-25-12
FD-PI-1	FX-17-9HP
FD-R-10	CX-5-30HP
FD-R-4	FX-14-2
FD-R-7	FX-14-5
FD-RG-132	RG-132
FD-RO-705	FR-7-2
FD-RO-900	FR-7
FD-RV-1	FX-12
FD-RV-10	FX-12-10
FD-RV-11	FX-12-8
FD-RV-1L	FX-12L
FD-RV-2	FX-12-4
FD-RV-3	FX-12LS
FD-RV-8	FX-12-9
FD-RV-9	SX-12-10
FD-S-1	FS-6-2
FD-S-2	FS-6-8
FD-S-3	FS-6-5
FD-SC-R	MHC-STD
FD-SP-1	FC-6-11
FD-SR-2	FX-20-11
FD-WA-1	FW-4-11
FD-WA-10	FW-4-25
FD-WA-12	FW-4-23
FD-WA-14	FW-4-27
FD-WA-17	FW-9-14
FD-WA-18	FW-4-35
FD-WA-2	FW-4-10
FD-WA-20	FW-4-33
FD-WA-25	FW-4-37
FD-WA-26	FW-4-39
FD-WA-27	FW-4-38
FD-WA-3	FW-4-17
FD-WA-4A	FW-4-18A
FD-WA-5	FW-9-10C
FD-WA-6	FW-9-10
FD-WA-7	FW-4-14
FD-WA-7A	FW-4-14A
FD-WA-8	FW-4-4A
FD-WA-9	FW-4-24
FD-WB-2	FW-9-6
FD-WB-3A	FW-9-12A

REF #	TRI #
FD-WB-3B	FW-9-12B
FD-WB-3C	FW-9-12C
FD-WB-3D	FW-9-12D
FD-WB-4A	FW-9-16A
FD-WB-4B	FW-9-16B
FD-WB-4C	FW-9-16C
FD-WB-4D	FW-9-16D
FD-WB-4E	FW-9-16E
FD-WF-047	FW-9-4TF
FD-WF-062	FW-9-4AF
FD-WF-094	FW-9-4EF
FD-WF-125	CW-9-3F
FD-WF-156	CW-9-3BF
FD-WF-188	FW-9-4G
FD-WF-188	FW-9-4GF
FD-WF-3	FW-9-28
FD-WP12-OE	FW-4-22
FD-WP-17A	FW-9-19
FD-WP18-OE	FW-4-30
FD-WP19-OE	FW-4-29
FD-WP1-OE	FW-4-7
FD-WP20-OE	FW-4-28
FD-WP21-OE	FW-9-17
FD-WP23-OE	FW-9-30
FD-WP-26	FW-9-26
FD-WP-28	FW-9-27
FD-WP2-OE	FW-4-9
FD-WP3-OE	FW-4-2P
FD-WP6-OE	FW-4-4P
FD-WP7-OE	FW-4-19
FD-WP8-OE	FW-4-12
FD-WP9-OE	FW-4-15
FD-WP-AP	FW-4-3P
FD-WS-1	FX-22-10K
FD-WS-10	MW-2-10
FD-WS-11	FX-8-13
FD-WS-12	FX-22-22
FD-WS-13	FX-22-28
FD-WS-14	FW-24-8HP
FD-WS-17	FW-9-23
FD-WS-18	FW-9-24
FD-WS-2	FW-2-1
FD-WS-20	MW-2-20
FD-WS-21	FX-23-61

REFERENCE - TRI INTERCHANGE

SORTED BY REFERENCE NUMBERS

REF #	TRI #
FD-WS-23	FW-9-22
FD-WS-27	FW-4-34
FD-WS-28	FX-8-15
FD-WS-3	FW-2-1A
FD-WS-30	MW-2-30
FD-WS-31	FX-22-30
FD-WS-38	FW-4-40
FD-WS-6	FW-9-18
FD-WS-7	FX-22-12A
FS-90-10G	PH-1-14GRC
FS-90-1G	TH-1-14GRC
FS-90-2G	PH-1-6GRC
FS-90-3G	PH-1-7GRC
FS-90-4G	PH-1-9GRC
FS-90-6G	PH-1-15GRC
FS-90-7G	PH-1-18GRC
FS-90-8G	PH-1-12GRC
FS-90-9G	PH-1-17FLG
FS-CP-1	PX-26-3
FS-CP-2	PX-26-7
FS-CP-3	PX-26-6
FS-CP-56BW	PX-26-10
FS-CP-7BW	PX-26-11
FS-H-1G	TH-1-14G
FS-H-2G	PH-1-6G
FS-HT-1	PX-13-2
FS-HT-10HS	PX-13-10HT
FS-HT-11HS	PX-13-12HT
FS-HT-14HS	PX-13-15HT
FS-HT-2HS	PX-13-8HT
FS-HT-3HS	PX-13-4HT
FS-HT-4HS	PX-13-7HT
FS-HT-5HS	PX-13-5HT
FS-HT-6	PX-13
FS-HT-6HS	PX-13HT
FS-HT-7HS	PX-13-9HT
FS-HT-8HS	PX-13-1HT
FS-HT-9	PX-13-11
FS-I-27	PX-13-27
FS-N-1	PW-2-4
FS-N-2	PW-2-3
FS-N-3	PW-2-6
FS-N-4	PW-2-10
FS-N-5	PW-9-7

REF #	TRI #
FS-O-1V	PO-25
FS-O-27V	PO-25-6
FS-O-2V	PO-25-1
FS-O-3V	PO-25-8
FS-O-4V	PO-25-9
FS-O-5	PO-25-10
FS-O-60K	PO-25T
FS-O-60K	PO-25X
FS-RV-1	PX-12
FS-RV-1L	PX-12L
FS-SD-1	PX-26-5
FS-WA-1	PW-4-4
FS-WA-10	PW-4-14
FS-WA-11	PW-4-13
FS-WA-2	PW-4-2
FS-WA-3	PW-4-3
FS-WA-5	PW-4-5
FS-WA-6	PW-4-6
FS-WA-7	PW-4-8
FS-WA-8	PW-4-1
FS-WA-9	PW-4-11
FS-WF-062	PW-9-062
FS-WF-094	PW-9-094
FS-WP1-OE	PW-9-3D
FS-WP2-OE	PW-9-3E
FS-WP3-OE	PW-9-3F
FS-WP4-OE	PW-9-2D
FS-WP5-OE	PW-9-2E
FS-WP6-OE	PW-9-2F
FS-WP-8	PW-9-8
FS-WS-1	PX-22-5
FS-WS-10	VW-2-10
FS-WS-2	PX-22-6
FS-WS-20	VW-2-20
FS-WS-30	VW-2-30
GM-90-10G	SH-1-10GRC
GM-90-10GSP	SH-1-28GRC
GM-90-11G	SH-1-14GRC
GM-90-12G	SH-1-12GRC
GM-90-13G	SH-1-19GRC
GM-90-14G	SH-1-57GRC
GM-90-15G	SH-1-20GRC
GM-90-17G	SH-1-17GRC
GM-90-18G	SH-1-24GRC

REF #	TRI #
GM-90-19G	SH-1-21GRC
GM-90-1G	SH-1GRC
GM-90-2G	SH-1-2GRC
GM-90-300G	SH-1-300GRC
GM-90-300GA	SH-1-300AGRC
GM-90-30G	SH-1-18GRC
GM-90-30G	SH-1-27GRC
GM-90-32FG	SH-1-22GRC
GM-90-33G	SH-1-15GRC
GM-90-38G	SH-1-500GRC
GM-90-3G	CH-1-8TGRC
GM-90-40G	SH-1-25GRC
GM-90-41G	SH-1-41GRC
GM-90-44G	SH-1-43GRC
GM-90-46G	SH-1-38GRC
GM-90-47G	SH-1-36GRC
GM-90-48G	SH-1-37GRC
GM-90-49G	SH-1-29GRC
GM-90-4G	SH-1-4GRC
GM-90-50G	SH-1-58GRC
GM-90-51G	SH-1-47GRC
GM-90-52G	SH-1-35GRC
GM-90-53G	SH-1-46GRC
GM-90-5G	SH-1-5GRC
GM-90-61G	SH-1-62GRC
GM-90-69G	SH-1-61GRC
GM-90-6G	SH-1-6GRC
GM-90-71G	SH-1-60GRC
GM-90-72G	SH-1-64GRC
GM-90-75G	SH-1-59GRC
GM-90-83G	SH-1-66FLG
GM-90-8G	CH-1-10TGRC
GM-90-9G	SH-1-9GRC
GM-90CM-29G	SH-1-52HP
GM-90CM-32G	SH-1-50HP
GM-90CM-70	SH-1-67HP
GM-B-1	SB-18-1
GM-B-2	SB-18-2
GM-B-2X	SB-18-2X
GM-B-4	SB-18-2-10
GM-B-5T	SB-18-5T
GM-B-7	SB-18-7
GM-B-8	SB-18-8
GM-BM-2	FX-10-18

REFERENCE - TRI INTERCHANGE

SORTED BY REFERENCE NUMBERS

REF #	TRI #
GM-BM-4	SX-24-4HP
GMBW-WS-40	SW-2-45
GM-CC-11	SX-22-26
GM-CC-13	SX-22-12
GM-CC-5	SX-22-2HP
GM-CP-5	SX-26-1
GM-DA-1	SX-23-104
GM-DA-18	SX-23-74
GM-DA-2	SX-23-103
GM-DA-3	SX-23-110
GM-DA-4	SX-23-111
GM-DA-5P	SX-23-64
GM-DA-6P	SX-23-73
GM-DA-7P	SX-23-53
GMFD-90-1G	SH-1-63GRC
GMFD-B-1	SB-18-6
GMFD-HT-1HS	SX-13-43HT
GMFD-N-1	SW-2-34
GMFD-N-2	SW-2-35
GMFD-O-1V	SO-23-41
GMFD-O-2V	SO-23-42
GMFD-RV-1	SX-12-18
GMFD-WP-1	SW-9-19
GMFD-WP-1T	SW-9-21
GMFD-WP-2	SW-9-20
GMFD-WP-2T	SW-9-22
GM-FN-1	SX-10-4
GM-FN-2	SX-10-6
GM-FN-3	SX-10
GM-FN-7	SX-10-12
GM-H-125G	SH-1-1G
GM-H-3G	CH-1-8G
GM-H-8G	CH-1-10TG
GM-H-DD	SH-1-500G
GM-HR-1	SX-14
GM-HR-10	SX-14-5
GM-HR-16	SX-14-10
GM-HR-17	SX-14-9
GM-HR-2	SX-14-3
GM-HR-21	SX-14-11
GM-HR-3	SX-14-4
GM-HR-9	SX-14-6
GM-HT-13HS	SX-13-30WHT
GM-HT-14HS	SX-13-27WHT

REF #	TRI #
GM-HT-33HSR	SX-13-44HP
GM-HT-34HS	SX-13-34HT
GM-HT-3HS	SX-13-12HT
GM-HT-4	SX-13-15
GM-HT-40HS	SX-13-10HT
GM-HT-45HS	SX-13-35HT
GM-HT-5HS	SX-13-5HT
GM-HT-6	SX-13-6
GM-HT-8HS	SX-13-11HT
GM-HT-9HS	SX-13-14HT
GM-HTCM-28	SX-13-39HP
GM-HTCM-29	CW-13-7HP
GM-HTCM-44R	SX-13-46HP
GM-HTCM-49HS	SX-13-41HT
GM-HTCM-56HS	SX-13-45HT
GM-HT-HS	SX-13SHT
GM-I-14HS	SX-22XA
GM-I-27	SX-13-27
GM-I-27A	SX-13-27C
GM-I-27B	SX-13-27FF
GM-I-27F	SX-13-27F
GM-I-27FL	SX-13-27FL
GM-I-30	SX-13-30
GM-I-30F	SX-13-30FF
GM-I-31	SX-13-30FS
GM-N-10H	SW-2-9HD
GM-N-11	SW-2-11
GM-N-13H	SW-2-14
GM-N-13R	SW-2-19
GM-N-17	SW-2-18
GM-N-18	SW-2-24
GM-N-1H	SW-2-1
GM-N-1HK	SW-2-3K
GM-N-1L	SW-2D
GM-N-20	SW-2-33
GM-N-22	SW-2-39
GM-N-23	SW-2-41
GM-N-24	SW-2-37
GM-N-25	SW-2-38
GM-N-26	SW-2-40
GM-N-2H	SW-2-1HD
GM-N-2HK	SW-2-3KHD
GM-N-4H	SW-2-4
GM-N-6H	SW-2-6

REF #	TRI #
GM-N-8H	SW-2-8
GM-N-8HLT	SW-2-12
GM-N-8HLT	SW-2-12T
GM-N-9H	SW-2-9
GM-O-10V	SO-23-24A
GM-O-11V	SO-23-36
GM-O-12V	SO-23-33X
GM-O-13	SO-23-35
GM-O-14V	FO-25-26
GM-O-15V	SO-23-40
GM-O-16	SO-23-43
GM-O-17V	SO-23-39
GM-O-19V	SO-23-46
GM-O-1V	SO-23-1
GM-O-21V	SO-23-21
GM-O-22	SO-23-30
GM-O-2V	SO-23-24
GM-O-3V	SO-23-1A
GM-O-4V	SO-23-21A
GM-O-5V	SO-23-25
GM-O-6V	SO-23-26
GM-O-7V	SO-23-27
GM-O-8V	SO-23-33
GM-O-9V	SO-23-28
GM-PI-1	SX-23HP
GM-PI-10	SX-23R
GM-PI-11	SX-23C
GM-PI-125K	CSK-1HP
GM-PI-14	SX-23M
GM-PI-2	SX-23F
GM-PI-250K	CSK-3HP
GM-PI-375K	CSK-4HP
GM-PI-500K	CSK-5HP
GM-PI-9	SX-23B
GM-PV-1	SX-23-8
GM-R-15	SX-15HP
GM-R-8	CX-5-29HP
GM-RK-14	SX-22-28KHP
GM-RO-1	SR-7-4
GM-RO-2	SR-7-5
GM-RO-385	SR-7-2
GM-RO-435	SR-7-1
GM-RO-480	SR-7-6
GM-RO-556	CR-7-1

REFERENCE - TRI INTERCHANGE

SORTED BY REFERENCE NUMBERS

REF #	TRI #
GM-RO-572	SR-7
GM-RO-837	SR-7-3
GM-RO-864	CR-7
GM-RS-1	SX-15B
GM-RS-3HP	SX-15-5
GM-RV-1	SX-12-17
GM-RV-10	SX-12-16
GM-RV-11	SX-12-19
GM-RV-12	SX-12-15
GM-RV-13	SX-12-20
GM-RV-3	SX-12-11
GM-RV-6	SX-12-2
GM-RV-9	SX-12-14
GM-S-1	CS-6
GM-S-11A	SS-6
GM-S-12	SS-6-7
GM-S-2A	SS-6-6
GM-S-3A	SS-6-2
GM-S-4A	SS-6-1
GM-S-5	CS-6-1
GM-S-8	SS-6-4
GM-S-9	SS-6-3
GM-ST-086	SX-5-10
GM-WA-10	SW-4-15
GM-WA-13	SW-4-20
GM-WA-19	SW-4-22
GM-WA-2	SW-4-17
GM-WA-20	SW-4-11
GM-WA-21	SX-15-3K
GM-WA-22	SW-4-25
GM-WA-24	SW-4-24
GM-WA-25	SW-9-17
GM-WA-27C	SW-9-11
GM-WA-28	SW-4-30
GM-WA-3	SW-2-16
GM-WA-37	SW-4-18
GM-WA-38	SW-4-26
GM-WA-4	SW-4-9
GM-WA-40	SW-4-32
GM-WA-44	SW-4-34
GM-WA-47	SW-4-31
GM-WA-5	SW-9-150
GM-WA-50	SW-4-41
GM-WA-6	SW-4-12

REF #	TRI #
GM-WA-7	SW-4-13
GM-WA-8	SW-9-14
GM-WC-2	SW-9-52
GM-WC-3	SW-9-53
GM-WC-4	SW-9-54
GM-WC-5	SW-9-55
GM-WC-6	SW-9-56
GM-WC-7	SW-9-57
GM-WF-062	TW-9-5AF
GM-WF-094	TW-9-5BF
GM-WF-125	SW-9-1F
GM-WF-125	TW-9-5CF
GM-WF-156	SW-9-3F
GM-WF-188	SW-9-4
GM-WP-1	SW-4-6
GM-WP10-OE	SW-4-16
GM-WP11-OE	SW-4-2A
GM-WP12-OE	SW-4-2C
GM-WP14-OE	SW-4-28
GM-WP-16	SW-9-23
GM-WP-2	SW-4-2
GM-WP2-OE	SW-4-2B
GM-WP3-OE	SW-4-27
GM-WP4-OE	SW-4-10
GM-WP-5	SW-4-4
GM-WP6-OE	SW-4-5
GM-WP8-OE	SW-4-5D
GM-WS-020X	SW-2-020
GM-WS-1	SW-2-110
GM-WS-10	SW-9-10
GM-WS-11	SW-9-15
GM-WS-14	SX-24-3HP
GM-WS-17	SX-24-1HP
GM-WS-18	SW-2-310
GM-WS-19	SW-2-320
GM-WS-2	SW-2-120
GM-WS-20	SW-2-330
GM-WS-24	SW-2-410
GM-WS-25	SW-2-420
GM-WS-26	SW-2-430
GM-WS-3	SW-2-130
GM-WS-30	SW-2-030
GM-WS-30S	SW-2-30
GM-WS-4	SW-2-210

REF #	TRI #
GM-WS-43	SW-2-44
GM-WS-5	SW-2-220
GM-WS-50	SW-2-050
GM-WS-6	SW-2-230
GM-WS-60	SW-2-60
HK-90-1G	KH-1-6FLG
HK-90-2G	KH-1-5FLG
HK-90-3G	KH-1-3FLG
HK-90-4G	KH-1-1FLG
HK-90-5G	KH-1-4FLG
HK-90-6G	KH-1-2FLG
HK-CP-1	KX-23-2
HK-CP-2	KX-23-3
HK-CP-3	KX-23-4
HK-CP-4	KX-23-5
HK-O-1V	KO-25-1
HO-90-1G	NH-1
HO-90-2G	NH-1-2A
HO-90-3G	NH-1-4
HO-90-4G	NH-1-8
HO-CP-1	NX-26-1
HO-CP-12K	NX-26-1K
HO-CP-2	NX-26-2
HO-N-1	NW-2
HO-N-2	NW-9B
HO-N-2K	NW-9K
HO-N-4	NW-2-2
HO-N-5	NW-2-5
HO-N-6	NW-2-3
HO-N-7	NW-2-6
HO-O-2V	NO-25-1
HO-O-36	NO-25
HO-O-3V	NO-25-3
HO-O-4V	NO-25-2
HO-O-5V	NO-25-4
HO-RG-103	RG-103N
HO-RG-107	RG-107N
HO-RG-114	RG-114NW
HO-RG-114A	RG-114N
HO-RG-114B	RG-114B
HO-RO-1	YR-7-1
HO-WB-1	NW-4
HO-WB-2	NW-4-1
JA-90-10G	JH-1-49FLG

REFERENCE - TRI INTERCHANGE

SORTED BY REFERENCE NUMBERS

REF #	TRI #
JA-90-13G	JH-1-41FLG
JA-90-14G	JH-1-43FLG
JA-90-1G	JH-1-25GRC
JA-90-2G	JH-1-27GRC
JA-90-3G	JH-1-16GRC
JA-90-4G	JH-1-32FLGRC
JA-90-6G	JH-1-31GRC
JA-90-8G	JH-1-50FLG
JA-90-9G	JH-1-48FLG
JA-B-1	JB-18-3
JA-B-2	JB-18-6
JA-B-3	JB-18-10
JA-B-4	JB-18-11
JA-CP-1	JX-23-34
JA-CP-2	JX-23-35
JA-CP-4	JX-23-38
JA-CP-5S	JX-23-40
JA-CP-6P	JX-23-39
JA-H-3G	JH-1-16G
JA-H-6G	JH-1-31G
JA-HT-10HS	JX-13-34HT
JA-HT-11HS	JX-13-49HT
JA-HT-14HS	JX-13-47HT
JA-HT-1HS	JX-13-27HT
JA-HT-20HS	JX-13-31HT
JA-HT-25HS	JX-13-35HT
JA-HT-3HS	JX-13-38HT
JA-HT-5HS	JX-13-5HT
JA-HT-6HS	JX-13-7HT
JA-HT-8-20HS	JX-13-28HT
JA-HT-8HS	JX-13-6HT
JA-I-18	JX-13-18X
JA-IK-12HT	JX-22-100
JA-IK-1HT	JX-22-102
JA-N-1	JW-2-6
JA-N-11	JW-2-27
JA-N-12	JW-2-26
JA-N-13	JW-2-28
JA-N-15	JW-2-29
JA-N-16	JW-2-30
JA-N-2	JW-2-5
JA-N-3	JW-2-2
JA-N-4	JW-2-14
JA-N-5	JW-2-15

REF #	TRI #
JA-N-6	JW-2-16
JA-N-7	JW-2-20
JA-N-8	JW-2-17
JA-N-9	JW-2-18
JA-O-10V	JO-25-15
JA-O-11V	JO-25-19
JA-O-12	JO-25-21
JA-O-13V	JO-25-22
JA-O-14V	JO-25-23
JA-O-1V	JO-25-1
JA-O-2V	JO-25-2
JA-O-3V	JO-25-4
JA-O-4	JO-25-9
JA-O-5V	JO-25-1X
JA-O-6V	JO-25-12
JA-O-7	JO-25-16
JA-O-8V	JO-25-13
JA-O-9V	JO-25-14
JA-RO-1	JR-7-1
JA-RO-4	JR-7-2
JA-RO-6	FR-7-3
JA-RO-7	JR-7-3
JA-RV-1	JX-12
JA-RV-1L	JX-12L
JA-RV-2	WX-12A
JA-RV-3	JX-12-3
JA-RV-4	HX-12S
JA-RV-5	JX-12-7
JA-RV-6	JX-12-8
JA-S-1	JS-6-1
JA-WA-1	JW-4-15
JA-WA-10	JW-4-27
JA-WA-11	JW-4-32
JA-WA-12	JW-4-33
JA-WA-13	JW-4-34
JA-WA-14	JW-4-35
JA-WA-15	JW-4-36
JA-WA-16	JW-4-37
JA-WA-17	JW-4-38
JA-WA-2	JW-4-16
JA-WA-4	JW-4-17
JA-WA-5	JW-4-18
JA-WA-6	JW-4-21
JA-WA-7	JW-4-22

REF #	TRI #
JA-WA-9	JW-4-26
JA-WB-2	JW-9-12
JA-WB-3	JW-9-15
JA-WP-1	JW-9-16
JA-WS-2	JW-4-11
MB-90-1G	HH-1-2C
MB-90-2G	HH-1-3C
MB-90-4G	HH-1-6C
MB-90-5G	HH-1-5GRC
MB-90-6G	HH-1-9GRC
MB-B-1	HB-18
MB-B-1T	HB-18T
MB-CP-10KA	HX-23-13K
MB-CP-10R	HX-23-13
MB-CP-11KA	HX-23-15K
MB-CP-12	HX-23-19
MB-CP-14S	HX-23-17
MB-CP-15S	HX-23-18
MB-CP-272K	HX-23-5K
MB-CP-290K	HX-23-6K
MB-CP-3KR	HX-23-1K
MB-CP-4K	HX-23-2
MB-CP-6K	HX-23-3
MB-CP-7K	HX-23-4K
MB-CP-7KBW	HX-23-8K
MB-CP-8BW	HX-23-16
MB-CP-9K	HX-23
MB-FN-2K	HX-10K
MB-HB-1K	HX-22-1
MB-N-1	HW-2-3
MB-N-2	HW-2-2
MB-N-3	HW-2-1
MB-N-4	HW-2-6
MB-N-5	HW-2-7
MB-O-10	HO-25-11
MB-O-11V	HO-25-8
MB-O-12V	HO-25-9
MB-O-2V	HO-25-1
MB-O-4V	HO-25-2
MB-O-5V	HO-25-3
MB-O-6V	HO-25-7
MB-O-7V	HO-25-12
MB-O-8V	HO-25-5
MB-O-9	HO-25-6

REFERENCE - TRI INTERCHANGE

SORTED BY REFERENCE NUMBERS

REF #	TRI #
MB-S-1	HX-24-1
MB-S-2	HX-24-2
MB-SR-2	HX-20-2
MB-SR-3	HX-20-1
MB-WS-4060	JW-2-5T
MB-WS-4060T	JW-2-5TT
MI-DP-1B	FX-11A
MI-DP-1S	FX-11
MI-DP-2B	TX-11
MI-FN-1	FX-10-6
MI-HC-B	MHC-BU
MI-HC-BR	MHC-BR
MI-HC-BU	MHC-P
MI-HC-C	MHC-CL
MI-HC-G	MHC-G
MI-HC-O	MHC-RN
MI-HC-P	MHC-B
MI-HC-R	MHC-R
MI-HC-W	MHC-W
MI-HC-Y	MHC-Y
MI-LB-1	ML-1
MI-LB-3	ML-3
MI-N-1	AXK-2035
MI-N-10	NTA-3446
MI-N-11	TRA-3446
MI-N-12	TRB-2031
MI-N-15	PW-2-7
MI-N-16	PW-2-9
MI-N-16	TRA-2233
MI-N-17	TRB-3244
MI-N-18	TRB-2840
MI-N-18	TWB-2840
MI-N-2	NW-9W
MI-N-20	TRB-2233
MI-N-22	TRC-2233
MI-N-24	MW-2-1
MI-N-28	NW-2-4
MI-N-3	JW-2N
MI-N-4	NTA-2031
MI-N-5	TRA-2031
MI-N-6	NTA-2840
MI-N-6210	MB-6210
MI-N-6304	MB-6304
MI-N-7	TRA-2840

REF #	TRI #
MI-N-8	NTA-3244
MI-N-9	TRA-3244
MI-RG-164	RG-164C
MI-RR-1	TX-22-985
MI-RR-1N	TX-22-985NR
MI-RR-2	TX-22-878
MI-RR-2N	TX-22-878NR
MI-RR-3	TX-22-786
MI-RR-3N	TX-22-786NR
MI-RR-4	FX-21-846
MI-RR-4N	FX-21-846NR
MI-RR-5	FX-21-1005
MI-RR-5N	FX-21-1005NR
MI-RR-6	TX-22-7015
MI-RR-6N	TX-22-7015NR
MI-RR-7	SX-23-1054
MI-RR-7N	SX-23-1054NR
MI-RR-8N	JX-22-855NR
MI-RV-1	TX-12S
MI-SH-1	MX-SH-1
MI-SH-2	MX-SH-2
MI-SH-3	MX-SH-3
MI-SP-1	MC-1
MI-SP-2	MC-2
MI-SP-3	MC-3
MI-SP-4	MC-4
MI-SP-5	MC-6
MI-SP-6	BC-6HDA
MI-SP-7	BC-6HD
MI-TS-1	ML-TS1
MI-WA-1	JW-4-23
MI-WT-10	MP-10
MI-WT-10H	MP-10H
MI-WT-12	MP-12
MI-WT-12H	MP-12H
MI-WT-15	MP-15
MI-WT-15H	MP-15H
MI-WT-17	MP-17
MI-WT-17H	MP-17H
MI-WT-20	MP-20
MI-WT-20H	MP-20H
MI-WT-24	MP-24
MI-WT-24H	MP-24H
MI-WT-5	MP-05

REF #	TRI #
MI-WT-5H	MP-05H
MI-WT-8	MP-08
MI-WT-8H	MP-08H
MT-90-1G	TH-1-23GRC
MT-90-2G	TH-1-21GRC
MT-90-3G	TH-1-28GRC
MT-90-4G	TH-1-22GRC
MT-90-5G	TH-1-26GRC
MT-90-6G	TH-1-13GRC
MT-90-7G	TH-1-45FLG
MT-90-8G	TH-1-38GRC
MT-B-1	TB-18-12
MT-H-6G	TH-1-13G
MT-HT-175HS	TX-13-11HT
MT-HT-176HS	TX-13-15HT
MT-HT-177HS	TX-13-17HT
MT-HT-1HS	TX-13-16HT
MT-HT-2HS	TX-13-19HT
MT-HT-3HS	TX-13-32HT
MT-HT-4HS	TX-13-37HT
MT-HT-5HS	TX-13-35HT
MT-HT-6HS	TX-13-36HT
MT-N-1K	TW-2-12K
MT-N-2	TW-2-25
MT-N-3	TW-2-26
MT-O-10V	TO-25-21
MT-O-3V	TO-25-9
MT-O-4V	TO-25-4
MT-O-5V	TO-25-5
MT-O-6V	TO-25-13
MT-O-7V	TO-25-25
MT-O-8V	TO-25-20
MT-RG-106	RG-106KM
MT-RG-110	RG-110KM
MT-RV-1	TX-12-4
MT-RV-1L	TX-12-4L
MT-RV-2	TX-12-5
MT-WA-175	TW-4-6
MT-WA-2K	TW-4-15K
MT-WA-3K	TW-4-18K
MT-WB-1	TW-9-11
MT-WP-1	TW-3-6
MT-WP-3K	TW-2-5K
MT-WP4-OE	TW-9-17

REFERENCE - TRI INTERCHANGE

SORTED BY REFERENCE NUMBERS

REF #	TRI #
MT-WS-4K	TW-2-27K
MZ-90-1G	JH-1-19FLGRC
MZ-90-2G	JH-1-20FLGRC
MZ-B-1	JB-18-8B
MZ-B-1A	JB-18-9
MZ-B-1X	JB-18-8X
MZ-B-2	JB-18-7
MZ-HT-11HS	JX-13-36HT
MZ-HT-12HS	JX-13-50HT
MZ-HT-1HS	JX-13-13HT
MZ-HT-2HS	JX-13-17HT
MZ-HT-3HS	JX-13-12HT
MZ-HT-4HS	JX-13-9HT
MZ-HT-5HS	JX-13-30HT
MZ-HT-6HS	JX-13-29HT
MZ-HT-7HS	JX-13-32HT
MZ-HT-7HS	JX-13-41HT
MZ-HT-8HS	JX-13-33HT
MZ-HT-9	JX-13-11
MZ-N-1	JW-2-12
MZ-N-2	JW-2-10
MZ-N-4	JW-9-8K
MZ-N-5	JW-9-9
MZ-O-1V	JO-25-10
MZ-O-2V	TO-25-14
MZ-O-3	JO-25-20
MZ-O-40	JO-25-8
MZ-RV-1	FX-12-6
MZ-WA-1	JW-4-12B
MZ-WA-10	JW-4-40
MZ-WA-13	JW-4-28
MZ-WA-2	JW-4-14
MZ-WA-3	JW-4-13
MZ-WA-5	JW-4-9
MZ-WA-6	JW-4-19
MZ-WA-9	JW-4-41
MZ-WA-901	JW-4-20
MZ-WB-1	JW-3
MZ-WF-1	JW-9-10
N/A	PX-23-25X70MK
N/A	PX-26-22
N61	FX-10-17
NI-90-1G	JH-1-21GRC
NI-90-2G	JH-1-22GRC

REF #	TRI #
NI-90-3G	JH-1-24GRC
NI-90-4G	JH-1-14GRC
NI-90-7G	JH-1-47FLG
NI-B-1	JB-18-2
NI-HT-1HS	JX-13-14HT
NI-HT-2HS	JX-13-10HT
NI-HT-3HS	JX-13-15HT
NI-HT-4	JX-13-26
NI-HT-4HS	JX-13-26HT
NI-O-1V	JO-25-24
NI-RV-1	JX-12S
NI-WA-1	JW-4-24
NI-WA-3	JW-4-25
RE-90-1G	RH-1-2FLG
RE-90-2G	RH-1-1GRC
RE-B-1	ZB-18
RE-CP-1	RX-26-1
RE-CP-1K	RX-26-1K
RE-CP-2	RX-26-2
RE-CP-2K	RX-26-2K
RE-CP-3K	RX-26-3K
RE-FN-1	RX-22-1
RE-FN-3	RX-22-5
RE-HT-1HS	RX-13-1HT
RE-N-1K	RW-2-1K
RE-N-2	RW-2-1
RE-N-3	RW-2-2
RE-O-1A	RO-25-1
RE-O-2	RO-25-2
RE-O-3V	RO-25-3
RE-RV-1	RX-12
RE-RV-2	RX-22-3
RE-RV-3	RX-22-4
RE-RV-4	RX-12-1
RE-SP-1	RC-6-1
RE-WP1-OE	RW-4-1
RE-WP2-OE	RW-9-1
RG-147	RG-147
S20250WC	SX-23-4WC
S20290WC	FX-23-91WC
S20300WC	PX-23-9WC
S20320WC	SX-23-13WC
S20636WC	FX-23-92WC
S20680WC	SX-23-61WC

REF #	TRI #
S20750WC	FX-23-52WC
S20930WC	NX-23-12WC
S20960WC	NX-23-5WC
S6758036	SO-23-45
SU-90-1G	JH-1-26GRC
SU-90-2G	JH-1-44FLG
SU-90-3G	JH-1-45FLG
SU-HT-1HS	JX-13-16HT
SU-HT-3HS	JX-13-52HT
SU-O-1V	JO-25-17
SU-O-2V	JO-25-18
SU-O-58	JO-25-7
TH-HT-110HS	YX-13-1HT
TO-90-10G	YH-1-7GRC
TO-90-11G	YH-1-11FLG
TO-90-13G	YH-1-13FLG
TO-90-14G	YH-1-6GRC
TO-90-15G	YH-1-18FLG
TO-90-16G	YH-1-16FLG
TO-90-17G	YH-1-23FLG
TO-90-18G	YH-1-17FLG
TO-90-19G	YH-1-24FLG
TO-90-20G	YH-1-25FLG
TO-90-21G	YH-1-19FLG
TO-90-22G	YH-1-22FLG
TO-90-24G	YH-1-20FLG
TO-90-3G	YH-1-14FLG
TO-90-4G	YH-1-44FLG
TO-90-5G	YH-1-55FLG
TO-90-6G	YH-1-66FLG
TO-90-7G	YH-1-77FLG
TO-90-8G	YH-1-88FLG
TO-90-9G	YH-1-8GRC
TO-FN-1	YX-10-1
TO-FN-2	YX-10-2
TO-H-10G	YH-1-7G
TO-H-14G	YH-1-6G
TO-HT-102	YX-13
TO-HT-102HS	YX-13HT
TO-HT-110	YX-13-1
TO-HT-1HS	YX-13-8HT
TO-HT-22HS	YX-13-13HT
TO-HT-25	YX-13-5
TO-HT-34HS	YX-13-6HT

REFERENCE - TRI INTERCHANGE

SORTED BY REFERENCE NUMBERS

REF #	TRI #
TO-HT-3HS	YX-13-12HT
TO-HT-3HSMOD	YX-13-12HT
TO-HT-68-12HS	YX-13-7HT
TO-HT-68HS	YX-13-2HT
TO-N-1	YW-2-4
TO-N-10	YW-9-6
TO-N-11	YW-2-22
TO-N-12	YW-2-33
TO-N-13	YW-2-16
TO-N-14	YW-9-7
TO-N-15	YW-2-23
TO-N-16	YW-2-24
TO-N-17	YW-2-25
TO-N-18	YW-2-31
TO-N-20	YW-2-30
TO-N-21	YW-2-32
TO-N-22	YW-2-26
TO-N-23	YW-2-27
TO-N-24	YW-2-28
TO-N-25	YW-2-29
TO-N-5	YW-2
TO-N-6	YW-2-7
TO-N-7	YW-2-8
TO-N-8K	YW-2-21K
TO-N-9K	YW-2-20K
TO-O-102	YO-25-4
TO-O-110	YO-25-3
TO-O-13V	YO-25-13
TO-O-14	YO-25-14
TO-O-3V	YO-25-5
TO-O-4	YO-25-7
TO-O-5V	YO-25-8
TO-O-68	YO-25-1
TO-O-7V	YO-25-2
TO-O-8	YO-25-9
TO-O-9V	YO-25-11
TO-RV-1	YX-12
TO-RV-3	YX-12-1
TO-RV-4	YX-12-2
TO-SP-1	YC-6-2
TO-WA-1	YW-4-5
TO-WA-15	YW-4-4
TO-WA-16	YW-4-14
TO-WA-17	YW-4-15

REF #	TRI #
TO-WA-4	YW-4-3
TO-WA-5	YW-4-7
TO-WA-6	YW-4-13
TO-WA-7	YW-4-9
TO-WA-8	YW-4-11
TO-WA-9	YW-4-12
TO-WB-1	YW-9-3
TO-WB-3	YW-9-2B
TO-WB-4	YW-9-9
TO-WB-5	YW-9-8
TO-WS-3K	YW-2-34K
VW-90-2G	VH-1-3GRC
VW-90-3G	VH-1-5FLG
VW-90-4G	VH-1-4FLG
VW-90-6G	VH-1-6FLG
VW-B-1	VB-18
VW-H-1G	VH-1FLG
VW-HT-1	VX-13
VW-HT-5HS	VX-13-5HT
VW-N-2	VB-18-2
VW-O-1V	VO-25-1
VW-O-2V	VO-25-2
VW-O-3	VO-25-3
VW-O-4	VO-25-4
VW-O-5V	VO-25-5
VW-RG-125	RG-125V
VW-RV-1	VX-12
VW-RV-4	VX-12-1
VW-WA-1	VW-4-6
VW-WB-1	VW-9-5
VW-WB-4	VW-9-7
VW-WP1-OE	VW-4-5
VW-WS-20	VW-9-2
ZF-90-1G	PH-1-19FLG
ZF-CP-1	PX-26-12
ZF-CP-10S	PX-26-18
ZF-CP-11P	PX-26-17
ZF-CP-12	PX-26-20
ZF-CP-13	PX-26-21
ZF-CP-2	PX-26-9
ZF-CP-3	PX-26-16
ZF-CP-4	PX-26-12
ZF-CP-5	PX-26-15
ZF-CP-6	PX-26-9

REF #	TRI #
ZF-CP-7	PX-26-13
ZF-CP-8F	PX-26-14
ZF-CP-9S	PX-26-19
ZF-HR-1	PX-14-10
ZF-N-3	PW-2-14
ZF-N-4	PW-2-15
ZF-N-5	PW-2-16
ZF-O-2	PO-25-13
ZF-O-3VA	PO-25-11
ZF-O-4V	PO-25-12
ZF-O-5V	PO-25-14
ZF-O-6V	PO-25-15
ZF-O-7V	PO-25-16
ZF-O-8V	PO-25-17
ZF-RV-1	PX-12-2
ZF-RV-2	PX-12-4
ZF-WP-1	PW-9-9

INDEX

INDEX

Tri Part #	Page #
1953	10-13
17783	10-14
35404	20-3
49003	16-3, 20-9
84042	8-5
84048	8-3, 20-31
84052	8-5
101825	10-14
136353	10-14
195360	10-14
195856	10-11
224772	10-11
246615	10-12
310927	10-13
450263	10-12, 10-14
592196	10-13
592197	10-14
622248	10-13
643864	10-14
643877	10-13
878337	10-13
896467	10-13, 10-14
3141249	20-27
4003358	10-13, 10-14
4003359	10-14
4050487	10-13, 10-14
4907656	10-13
4991266	10-13
56219600	10-14
0005128-00	10-11
000-675-1005	10-13
000-700-1040	10-13
0158096-00	10-10
0158124-00	10-10
0158377-00	10-10
0159219-00	10-10
0225218-00	10-10
0225219-00	10-10
04/500217	10-14
0591017-00	10-10
0636888-00	10-10
0641409-00	10-10

Tri Part #	Page #
0643900-00	10-10
0668248-00	10-11
0669666-00	10-11
0669667-00	10-11
1003-508-001	10-14
1003-508-002	10-14
1003-508-003	10-14
1003-508-005	10-14
1003-508-006	10-13
1003-508-008	10-14
1003-508-010	10-13, 10-14
1003-508-011	10-14
103-4969-M91	10-13
12960R	11-3, 12-3, 20-28
1315453-00	10-10
1500213-04	10-10
20/900400	10-14
3-10A60C	10-13
3-12A60C	10-13
3-14A60C	10-13
3-4A60C	10-13
35400C	20-4
35402B	20-3
35403B	20-4
35A311	10-13
3-60A60C	10-13
5002695-00	10-11
5006755-00	10-10
5023338-00	10-10
5077443-00	10-10
5134246-00	10-10
5141326-00	10-10
5145526-00	10-10
5145586-00	10-10
5147526-00	10-11
5148024-00	10-11
5150428-01	10-11
5154068-00	10-11
5154068-01	10-11
5154068-05	10-11
5154068-06	10-11

Tri Part #	Page #
5157351-00	10-10
5160408-99	10-10
5197444-00	10-10
5197524-00	10-11
530718-M91	10-14
530-718-M91	10-13
530718-M92	10-14
6551A	10-12
6551D	10-12
6AT1160	10-14
6AT11-60	10-12
A711B1	10-13
AC-6	15-6
AO-23	15-6
AT101451	10-14
AW-2-1	1-7, 1-8, 1- 11, 20-6
AW-2-2	1-7, 1-8, 1- 11, 20-6
AW-2-3	1-6, 1-8, 20- 6
AW-23-1	20-13
AW-2-4	1-6
AXK-2035	20-2
AXK-5070	10-4, 20-4
B1AZ-7A103A	10-13
B-41	14-3, 14-9, 14-11, 14- 13, 14-17, 14-21, 20-7
B-42	14-5, 14-7, 14-15, 14- 19, 20-7
B-61	5-13, 5-15, 5-19, 5-21, 20-7
B-62	5-3, 5-5, 5-7, 20-7
B-63	7-37, 7-39, 7-47, 20-7
B-64	7-41, 7-45, 20-7

INDEX

Tri Part #	Page #
B-78	6-60, 7-7, 7-17, 7-19, 7-23, 7-25, 7-27, 7-29, 7-41, 7-45, 20-7
B-79	7-3, 7-9, 7-11, 7-13, 7-19, 7-49, 20-7
BB-18	20-8
BC-6	4-17, 10-7, 14-11, 14-17, 14-19, 14-21, 17-3, 17-5, 17-7, 17-9, 17-11, 17-13, 19-3, 20-41
BC-6HD	20-41
BH-1-1G	4-17
BH-1-2G	4-17
BH-1-3G	4-17
BH-1-4G	4-17
BH-1G	4-17
BW-2	4-17, 20-47
BW-4	4-17
BW-9A	4-17
BW-9B	4-17
BX-13-1	10-9
BX-13-1HT	4-17
BX-13-2HT	4-17
BX-13-3	10-9
BX-13-3HT	4-17
BX-13-4HT	4-17
BX-13HT	4-17
BX-14	4-17
BX-15	4-17
BX-20	4-17
BX-21-30K	4-17
BX-21-8	4-17
BX-5	4-17
BX-8-31K	4-17
BX-8R	4-17
C3AZ-7A103E	10-13

Tri Part #	Page #
CB-18	7-47, 20-8
CB-18-1	7-35, 20-8
CB-18-2	7-35, 20-9
CB-18-3	7-35, 20-8
CH-1-10G	7-46, 7-38
CH-1-10TG	7-46, 7-38
CH-1-2G	7-46
CH-1-36G	7-35
CH-1-3G	7-46
CH-1-4G	7-46
CH-1-7G	7-35
CH-1-8G	7-35
CH-1-8TG	7-35
CH-1G	7-46
CR-7	7-39, 7-47, 20-28
CR-7-1	7-35, 7-39, 20-28
CS-6	6-19, 6-23, 6-25, 6-29, 7-39, 7-47, 20-29
CS-6-1	7-35, 7-39, 20-29
CW-2	7-47
CW-2-1	7-47
CW-2-2	7-35
CW-2-3	7-35
CW-2-4	7-47
CW-3	4-7, 7-39, 7-47
CW-4	7-39
CW-4-1/1P	7-35
CW-4-1B/1A	7-35
CW-4-2P	7-39, 7-47
CW-4-300	7-41, 7-47
CW-4-3P	7-39, 7-47
CW-4-4	7-39, 7-47
CW-4-5	7-39, 7-47
CW-4-6	7-39
CW-4P	7-39, 7-47
CW-9-062	7-46, 7-47
CW-9-094	7-46, 7-47

Tri Part #	Page #
CW-9-1F	7-35
CW-9-3	7-39
CW-9-3B	6-5, 6-7, 6-11, 6-15, 7-39
CW-9A	7-47
CW-9B	7-47
CW-9F	7-47
CX-13-1HT	7-39
CX-13-2HT	7-35
CX-13-4HT	7-39
CX-13S	7-47
CX-14	7-35, 7-39, 7-47
CX-14-1	7-35, 7-39
CX-14F	7-47
CX-14HD	7-39
CX-14T	7-35
CX-15	7-39, 7-47
CX-15-1	7-47
CX-15-2	7-35, 7-39
CX-17-2	7-35
CX-20	7-35, 7-37, 7-39, 7-47
CX-20-1	7-47
CX-5-12	7-35
CX-5-13	7-35
CX-5-9	7-35
CX-8-29K	7-35
D-1	20-7
D-27	20-27
DS0000039	10-14
E4NN7A103AA	10-14
EB-18	20-9
FB-18	6-35, 20-9
FB-18-1	6-37, 20-8
FB-18-10	6-71, 20-10
FB-18-2	6-37, 20-10
FB-18-3	6-17, 20-8
FB-18-4	6-39, 6-41, 20-9
FB-18-4X	6-39, 6-41, 20-9

INDEX

Tri Part #	Page #
FB-18-5	6-37, 20-10
FB-18-6	6-43, 6-45, 20-9
FB-18-7	6-51, 6-54, 20-10
FB-18-8	20-9
FB-18-9	20-9
FC-6	4-7, 4-11, 4-13, 6-3, 20-41
FC-6-1	4-3, 4-7, 4-11, 4-13, 6-3, 10-7, 10-12, 20-41
FC-6-10	4-3, 4-20, 10-7, 19-18, 20-41
FC-6-11	6-61, 20-41
FC-6-3	4-3, 10-7, 20-41
FC-6-4	4-3, 4-20, 10-7, 19-26, 20-41
FC-6-9	4-3, 10-7, 19-16, 20-41
FH-1-10FG	6-9
FH-1-11FG	6-13
FH-1-12G	6-35
FH-1-13AG	6-41, 6-39
FH-1-13FLG	6-39, 6-41
FH-1-13G	6-39, 6-41
FH-1-14FG	6-19, 6-25, 6-19, 6-25, 6-29
FH-1-14TGM	6-19, 6-25, 6-29
FH-1-14TGRC	6-23
FH-1-15TG	6-19, 6-25, 6-29
FH-1-18FLG	6-23
FH-1-18FLGRC	6-19, 6-25
FH-1-1MG	6-3
FH-1-20G	6-43, 6-45
FH-1-23GRC	6-19, 6-25

Tri Part #	Page #
FH-1-2EG	6-9, 6-13, 6-9, 6-13
FH-1-30FG	6-7
FH-1-31FG	6-7
FH-1-33FLG	6-39, 6-41
FH-1-3FG	6-13
FH-1-40FLG	6-39
FH-1-41FLG	6-39
FH-1-46FLG	6-61
FH-1-47GRC	6-65, 6-69
FH-1-48GRC	6-63, 6-65, 6-67, 6-69
FH-1-49FLG	6-57
FH-1-4FG	6-9
FH-1-50FLG	6-57
FH-1-5FG	6-3, 6-13, 6-17, 6-31, 6-33, 6-47, 6-51, 6-54
FH-1-6FG	6-3, 6-13
FH-1-7GRC	4-20, 10-12
FH-1-7K	4-20
FH-1-8FG	6-9
FH-1-9FG	6-9
FH-1-CB10G	6-9
FH-1-CB11G	6-13
FH-1-CB14G	6-13
FH-1-CB16G	6-13
FH-1-CB30G	6-7
FH-1-CB3G	6-13
FH-1-CB4G	6-9
FH-1-CB5G	6-13, 6-17, 6-31, 6-33, 6-47, 6-51, 6-54
FH-1-CB6G	6-13
FH-1-CB8G	6-9
FH-1-CB9G	6-9
FH-1LMG	6-3
FH-1MG	6-3
FH-1MTAG	6-3
FH-1MTG	6-3
FNT-5578	10-4, 20-5

Tri Part #	Page #
FNT-75100	10-4, 20-6
FO-1-20	4-20, 10-12, 20-37
FO-1-21	4-20, 10-12, 20-37
FO-1-22	4-20, 10-12
FO-25-1	6-19, 6-23, 6-25, 11-21, 20-34
FO-25-11	6-39, 20-34
FO-25-12	6-51, 6-54, 20-35
FO-25-13	6-43, 6-45, 6-58, 20-34
FO-25-14	6-29, 20-34
FO-25-15	6-29, 20-34
FO-25-16	6-39, 6-45, 6-58, 20-34
FO-25-17	20-35
FO-25-18	6-63, 20-32
FO-25-19	1-7, 1-8, 1-11, 20-34
FO-25-1A	6-19, 6-25, 20-34
FO-25-20	20-32
FO-25-21	6-67, 20-35
FO-25-22	6-65, 6-69, 20-35
FO-25-23	6-65, 6-67, 6-69, 20-36
FO-25-24	6-61, 20-36
FO-25-25	6-58, 20-36
FO-25-26	6-58, 20-36
FO-25-31	6-61, 20-30
FO-25-32	6-61, 20-30
FO-25-33	6-61, 20-30
FO-25-34	6-58
FO-25-4	6-41, 20-31
FO-25-5V	6-33, 6-49, 20-32
FO-25-5X	20-32
FO-25-6	6-33, 20-36
FO-25-7	6-41, 20-31

INDEX

Tri Part #	Page #
FO-25-7X	6-41, 20-31
FO-25-8	6-43, 17-17, 20-32
FO-25-8A	6-43, 20-32
FO-25-9	6-43, 6-45, 20-36
FR-7	6-3, 6-7, 6-9, 6-13, 6-31, 6-47, 6-51, 6-54, 11-5, 20-28
FR-7-1	6-35, 20-28
FR-7-2	6-17, 6-31, 6-33, 6-35, 6-39, 6-41, 6-43, 6-47, 20-28
FR-7-3	6-19, 6-23, 6-25, 6-29, 20-28
FS-6-10	6-43, 6-45, 20-29
FS-6-11	6-43, 6-56, 20-29
FS-6-2	6-3, 6-7, 6-9, 6-13, 6-31, 6-47, 6-51, 6-54, 20-29
FS-6-5	6-35, 20-29
FS-6-8	6-17, 6-31, 6-33, 6-35, 6-39, 6-41, 6-47, 20-29
FW-2	6-3, 10-12
FW-2-010	6-19, 20-38
FW-2-020	6-19, 20-38
FW-2-030	6-19, 20-38
FW-2-1	6-3, 6-9, 6-13, 6-17, 6-31, 6-33, 6-47, 6-51
FW-2-10	6-54, 20-5
FW-2-11	6-54, 20-5
FW-2-12	6-61, 20-6
FW-2-13	6-67, 6-69

Tri Part #	Page #
FW-2-14	6-62, 20-3
FW-2-15	20-49
FW-2-16	6-62, 20-2
FW-2-17	20-39
FW-2-1A	6-3, 6-9, 6-13, 6-17, 6-31, 6-33, 6-47, 6-51
FW-2-2	6-35
FW-2-3	6-19, 6-23, 6-25, 20-47
FW-2-4	6-19, 6-23, 6-25, 20-47
FW-2-4A	6-19, 6-23, 6-25, 20-47
FW-2-5	6-43, 20-4
FW-2-6	6-51, 6-54, 20-3
FW-2-8	6-51, 6-54, 20-3
FW-2-9	6-29, 20-4
FW-2BK	6-19, 6-25, 18-3
FW-2BKHD	6-19
FW-3	4-13, 4-20, 6-3, 10-12
FW-3-1	6-3, 6-9, 6-13
FW-3-1A	6-3, 6-9, 6-13
FW-3-2	6-3, 6-9, 6-13
FW-3-3	6-35
FW-3-4	6-35
FW-3DW	4-20, 6-3
FW-4	4-20, 6-3, 10-12
FW-4-10	6-19, 6-23, 6-25
FW-4-11	6-19, 6-25
FW-4-12	6-35
FW-4-13	6-17, 6-31, 6-33

Tri Part #	Page #
FW-4-14	6-31, 6-33, 6-47
FW-4-15	6-31, 6-47, 6-51, 6-51, 6-54
FW-4-16	6-19, 6-25
FW-4-17	6-9
FW-4-18	6-17, 6-31, 6-47, 6-51
FW-4-19	6-17, 6-31, 6-33, 6-47
FW-4-21K	6-43
FW-4-22	6-19, 6-23, 6-25
FW-4-23	6-43
FW-4-24	6-19, 6-23, 6-25
FW-4-25	6-39, 6-41
FW-4-27	6-47
FW-4-28	6-45
FW-4-29	6-56
FW-4-2A	6-9
FW-4-2P	6-7, 6-9
FW-4-30	6-29
FW-4-31	6-51
FW-4-33	6-29
FW-4-34	6-54, 6-54
FW-4-36	6-45
FW-4-38	6-61
FW-4-3A	6-3, 6-13
FW-4-3P	6-3, 6-13, 6-31
FW-4-40	6-57
FW-4-4A	6-13
FW-4-4P	6-13
FW-4-5	6-35
FW-4-6	6-35
FW-4-7	6-35
FW-4-9	6-39, 6-41
FW-9	4-20, 6-5, 10-12
FW-9-1	6-5
FW-9-10	6-17

INDEX

Tri Part #	Page #
FW-9-10C	6-17
FW-9-12A	6-21, 6-27
FW-9-12B	6-21, 6-27
FW-9-12C	6-21, 6-27
FW-9-12D	6-21, 6-27
FW-9-12E	6-21, 6-27
FW-9-12F	6-21, 6-27
FW-9-13	6-31
FW-9-14	6-37
FW-9-15A	6-49
FW-9-15B	6-49
FW-9-15C	6-49
FW-9-15D	6-49
FW-9-15E	6-49
FW-9-15F	6-49
FW-9-16A	6-21, 6-27, 18-7
FW-9-16B	6-21, 6-27, 18-7
FW-9-16C	6-21, 6-27, 18-7
FW-9-16D	6-21, 6-27, 18-7
FW-9-16E	6-21, 6-27, 18-7
FW-9-16F	6-21, 6-27, 18-7
FW-9-17	6-39
FW-9-17B	6-39
FW-9-18	6-49, 20-39
FW-9-19	6-51, 6-54
FW-9-20A	20-38
FW-9-20B	20-38
FW-9-21	6-23
FW-9-21A	20-38
FW-9-21B	20-38
FW-9-21C	20-38
FW-9-21D	20-38
FW-9-21E	20-38
FW-9-21F	20-38
FW-9-21G	20-38
FW-9-21H	20-38
FW-9-22	6-23, 20-38

Tri Part #	Page #
FW-9-23	20-39
FW-9-24	20-38
FW-9-26	6-29
FW-9-27	6-64
FW-9-28	6-67
FW-9-29	6-66, 6-68, 6-70, 20-2
FW-9-31	20-4
FW-9-32	20-4
FW-9-4A	6-5, 6-7, 6-11, 6-15, 7-39, 19-45
FW-9-4B	6-5, 6-7, 6-11, 6-15, 19-45
FW-9-4C	6-5, 6-7, 6-11, 6-15, 19-45
FW-9-4D	6-5, 6-7, 6-11, 6-15, 19-45
FW-9-4E	6-5, 6-7, 6-11, 6-15, 7-39, 19-45
FW-9-4F	6-5, 6-7, 6-11, 6-15, 19-45
FW-9-4G	6-5, 6-7, 6-11, 6-15, 7-39
FW-9-4T	6-5, 6-7, 6-11, 6-15, 7-39, 19-45
FW-9-5	6-15
FW-9-6	6-31
FW-9-6P	6-31
FW-9-7	6-37
FW-9-8	6-37
FW-9-9A	6-17
FW-9-9B	6-17
FW-9-9C	6-17
FX-10-100	6-7, 20-7
FX-10-11	6-21, 6-23, 6-27, 6-49, 6-71

Tri Part #	Page #
FX-10-12	6-41, 6-71
FX-10-13	6-29, 6-37, 6-39, 6-41, 6-43, 6-45, 6-71, 12-7, 12-9, 12-11, 12-13, 12-15
FX-10-14	6-49, 6-71
FX-10-150	6-7, 20-7
FX-10-17	6-29, 6-37, 6-39, 6-41, 6-43, 6-45, 6-62, 6-64, 6-66, 6-68, 6-70, 6-71, 12-17, 20-7
FX-10-2	6-5
FX-10-20	6-56
FX-10-21K	6-64
FX-10-3	6-5, 6-15
FX-10-30	6-7
FX-10-31	6-7
FX-10-4	6-11, 6-15, 6-31, 6-71
FX-10-5	4-20, 20-7
FX-10-7	6-11, 6-15, 6-17, 6-21, 6-23, 6-27, 6-31, 6-33, 6-49, 6-51, 6-54, 20-7
FX-10-8	10-9
FX-10-9	6-71, 12-17, 18-5, 18-7
FX-11	4-5, 4-9, 4-11, 4-15, 4-20, 5-13, 5-15, 6-5, 6-7, 6-11, 6-15, 6-31, 6-33, 6-49

INDEX

Tri Part #	Page #
FX-11A	4-5, 4-9, 4-11, 4-15, 4-20, 5-13, 5-15, 6-5, 6-7, 6-11, 6-15, 6-31, 6-33, 6-49
FX-12	4-17, 6-5, 6-11, 6-13, 6-29, 6-35, 6-41, 6-45, 7-41, 7-45, 10-3, 11-7, 20-26
FX-12-10	6-54
FX-12-4	6-27
FX-12-4A	6-27
FX-12-6	6-51, 6-54, 20-26
FX-12-8	6-66, 6-70, 20-27
FX-12L	4-17, 4-20, 5-30, 6-5, 6-7, 6-11, 6-13, 6-17, 6-19, 6-25, 6-29, 6-31, 6-33, 6-35, 6-39, 6-41, 6-43, 6-45, 6-47, 7-9, 7-37, 10-3, 11-23, 12-5, 12-7, 12-9, 12-11, 12-13, 12-15, 20-26
FX-12LS	6-29, 6-39, 6-45, 6-47, 16-3, 20-26
FX-13-10HT	6-31
FX-13-11HT	6-37
FX-13-12HT	6-17
FX-13-13S	6-19, 6-25
FX-13-14HT	6-41
FX-13-15HT	6-37
FX-13-16HT	6-37

Tri Part #	Page #
FX-13-17	6-37
FX-13-18	6-37
FX-13-19BHT	6-47
FX-13-19BKHT	6-47
FX-13-19CHT	6-47
FX-13-19HT	6-47
FX-13-19SHT	6-47
FX-13-1S	6-11, 6-15
FX-1-32	6-9
FX-13-20HT	6-33
FX-13-21HT	6-43
FX-13-22HT	6-43
FX-13-28K	6-37
FX-13-2HT	6-15
FX-13-2S	6-15
FX-13-3/S	6-5
FX-13-30HT	6-7
FX-13-31HT	6-41
FX-13-32HT	6-39
FX-13-33HT	6-19, 6-25
FX-13-34HT	6-51, 6-54
FX-13-35HT	6-51, 6-54
FX-13-36HT	6-56
FX-13-37HT	6-51, 6-54
FX-13-39HT	6-45
FX-13-4	6-11
FX-13-44HT	6-29
FX-13-45HTK	6-47, 6-51
FX-13-45HTK	6-52
FX-13-46HT	6-45
FX-13-4HT	6-15, 6-17
FX-13-4S	6-11, 6-15
FX-13-6HT	6-11
FX-13-7	6-5
FX-13-7HT	4-20
FX-13-8	6-5
FX-13-8HT	4-20
FX-13-9	6-11
FX-13C	6-11
FX-13GMHT	6-11
FX-14	4-20, 6-3, 10-12

Tri Part #	Page #
FX-14-1	6-3, 6-13, 6-31, 6-47, 6-51, 6-54
FX-14-2	6-9
FX-14-3	6-3
FX-14-30	6-7
FX-14-4	6-35
FX-14-5	6-17, 6-31, 6-33, 6-47
FX-14-6	6-19, 6-23, 6-25, 6-29
FX-14-7	6-35
FX-14-8	6-35, 6-39, 6-41, 6-43
FX-14-9	6-43, 6-45, 6-56
FX-14CA	6-9
FX-15	4-20, 6-3, 10-12
FX-15-2	6-3, 6-13
FX-15-3	6-7, 6-9
FX-15-4	6-31, 6-47, 6-51, 6-54
FX-15-5	6-35
FX-15-6	6-17, 6-33, 6-47
FX-15-7	6-19, 6-25, 6-29
FX-15-8	6-35, 6-39, 6-41, 6-43
FX-15-9	6-43
FX-17	6-5
FX-17-1	6-5
FX-17-3	6-5
FX-17-31	6-7
FX-17-5	6-11
FX-17-6	6-5
FX-17-8	6-21, 6-27
FX-17-8A	6-21
FX-20-10	6-7, 6-9, 6-19, 6-23, 6-25, 6-29

INDEX

Tri Part #	Page #
FX-20-11	4-20, 6-3, 6-13, 6-17, 6-31, 6-33, 6-47, 6-51, 6-54
FX-20-12	6-3, 6-13, 7-5, 7-41
FX-21-1005	6-5, 6-15, 6-17, 6-31, 6-33, 6-49
FX-21-1005NR	6-5, 6-15, 6-17, 6-31
FX-21-10K	6-9
FX-21-8	4-20, 10-12, 20-7
FX-21-9	10-12
FX-22-10K	6-49
FX-22-11K	6-49
FX-22-12A	6-25
FX-22-21	6-37
FX-22-22	6-39, 6-41
FX-22-23	6-37
FX-22-24	6-37
FX-22-25	6-43, 6-45
FX-22-26	6-37
FX-22-26K	6-31
FX-22-27	6-51
FX-22-28	6-43, 6-45
FX-22-29	6-51
FX-22-30	6-39, 6-41
FX-22-35	6-49
FX-22-36	6-49, 6-51
FX-22-37	6-54
FX-22-38	6-54
FX-22-4D	6-49
FX-22-4G	6-49
FX-22-6BHD	6-31
FX-22-6D	6-49
FX-22-6G	6-49
FX-22-8A	6-31
FX-22-9	6-49
FX-23-10	20-20

Tri Part #	Page #
FX-23-100MHC	20-22
FX-23-101MHC	20-23
FX-23-102X30HC	20-21
FX-23-106	6-33
FX-23-108	6-43
FX-23-109	6-33
FX-23-10K	6-49
FX-23-10X70K	6-49
FX-23-11N	6-49
FX-23-12	20-21
FX-23-12K	6-49
FX-23-12X70K	6-49
FX-23-13	20-20
FX-23-13K	4-18
FX-23-14	6-25
FX-23-15	20-21
FX-23-17	6-27, 20-18
FX-23-18	20-19
FX-23-18K	1-8, 6-27
FX-23-19	6-41, 20-19
FX-23-19K	6-21
FX-23-24M	20-18, 6-43
FX-23-25M	6-41, 20-19, 6-43, 6-45
FX-23-26	20-20
FX-23-26M	20-20, 6-33
FX-23-27	20-20
FX-23-27K	6-49
FX-23-27X70K	6-49
FX-23-28	20-20
FX-23-28M	20-20, 6-33
FX-23-29	20-18
FX-23-29M	6-39, 20-18
FX-23-3	20-22
FX-23-31	6-29, 6-39, 20-13
FX-23-32	6-39, 20-13
FX-23-37	6-51, 6-54
FX-23-42	6-51, 6-54, 6-54

Tri Part #	Page #
FX-23-43	6-49, 20-15
FX-23-44203	6-27
FX-23-45A	6-51, 6-54
FX-23-46	6-51, 6-54, 20-14
FX-23-47M	6-29, 20-18
FX-23-49	20-20
FX-23-4R55E	6-23
FX-23-5	6-41
FX-23-52	6-54, 20-20
FX-23-52K	6-51, 7-27
FX-23-53	6-29, 20-14
FX-23-57	6-23, 20-19
FX-23-57K	6-21
FX-23-58	6-23
FX-23-59	20-20
FX-23-6	6-41, 20-19
FX-23-60	6-29
FX-23-60A	6-29, 20-14
FX-23-61	6-49
FX-23-63	20-19
FX-23-63K	6-58
FX-23-63T	6-21, 6-23
FX-23-64	6-49
FX-23-65	20-20
FX-23-65HC	7-29
FX-23-65K	7-29
FX-23-65X70HC	7-29
FX-23-65X70K	7-29
FX-23-66A	20-14
FX-23-67	20-20
FX-23-68A	20-14
FX-23-69K	20-21
FX-23-6K	11-17, 11-23, 12-11, 12-13, 12-17, 14-17, 14-17, 14-7, 14-19
FX-23-7	6-41, 20-22
FX-23-70M	20-20, 6-54
FX-23-71	20-18

INDEX

Tri Part #	Page #
FX-23-72	6-52
FX-23-74	20-18
FX-23-74M	20-18
FX-23-74MK	6-64
FX-23-74S	20-18
FX-23-74SHC	6-63
FX-23-74X70MK	6-64
FX-23-78	6-52, 20-14
FX-23-79	6-63
FX-23-80M	20-20
FX-23-80MT	6-70
FX-23-80S	20-20
FX-23-80SK	6-70
FX-23-80X70MK	6-70
FX-23-81	6-61, 20-15
FX-23-82HC	6-68
FX-23-82S	20-19
FX-23-82SK	6-67
FX-23-83HC	6-66
FX-23-83MK	6-66
FX-23-83S	20-19
FX-23-83SK	6-66
FX-23-85	20-18
FX-23-86	20-20
FX-23-86K	6-51
FX-23-87	20-18
FX-23-89	20-19
FX-23-8N	6-19, 6-25
FX-23-9	6-41
FX-23-91WC	6-58
FX-23-92WC	6-58
FX-23-97HC	6-61
FX-23-98MHC	6-68
FX-23-99MK	6-71
FX-26-1	6-64, 20-15
FX-26-2	6-66, 20-15
FX-26-3	6-70, 20-15
FX-26-4	6-64, 20-14
FX-27-5	6-37
FX-5	6-3
FX-5-1P	6-39

Tri Part #	Page #
FX-5-7	6-43
FX-5-8	6-43
FX-5E	4-20, 6-3
FX-5ES	4-20
FX-5L	6-47, 6-51, 6-54
FX-8-11	4-20
FX-8-12	4-20
FX-8-13	6-51, 6-54
HC-6	13-3, 13-5
HC-6-1	13-7, 13-13, 13-14
HC-6-2	13-10, 13-11
HH-1-2C	13-3
HH-1-3C	13-3
HH-1-3G	13-3
HH-1-4C	13-3
HH-1-5GRC	13-7
HH-1-6C	13-3, 13-5
HH-1-7GRC	13-10
HH-1-8GRC	13-11
HH-1-9GRC	13-12
HH-1E	13-3
HH-1L	13-3
HH-1LC	13-3
HH-1SC	13-3
HH-1SW	13-3
HK-5020	10-4, 20-3
HO-1	13-3
HO-25-1	13-9, 13-10, 20-30
HO-25-11	13-13, 20-37
HO-25-11	13-14
HO-25-12	20-30
HO-25-13	13-13, 20-36
HO-25-13	13-14
HO-25-14	13-13, 20-37
HO-25-14	13-14
HO-25-16	13-14
HO-25-2	13-9, 20-30
HO-25-2HD	13-9, 20-32
HO-25-3	13-9, 13-13, 20-37

Tri Part #	Page #
HO-25-4	13-10, 20-30
HO-25-5	13-11, 20-36
HO-25-6	13-11, 20-37
HO-25-7	13-9, 20-30
HO-25-8	13-13, 13-14, 20-30
HO-25-9	13-13, 20-30
HW-2-1	13-7, 13-10, 20-2
HW-2-10	13-3, 20-39
HW-2-11	13-15
HW-2-2	13-7, 20-5
HW-2-3	13-7, 13-12, 20-4
HW-2-4	13-10, 13-11, 20-5
HW-2-5	13-11, 20-3
HW-2-6	13-12, 20-3
HW-2-7	13-12, 20-4
HW-2-8	13-15
HW-2-9	13-15
HW-2BK	13-3
HW-4	13-3, 13-3
HW-4-1	13-5
HW-4-3	13-11
HW-4K	13-3
HW-9	13-3
HW-9-000	13-3
HW-9-123	13-3
HW-9-126	13-3, 13-5
HX-10K	13-13
HX-12A	13-3, 20-27
HX-12LA	13-3, 20-27
HX-12LS	13-3, 20-27
HX-12S	11-19, 13-3, 20-27
HX-14	13-3
HX-14-1	13-3
HX-20-1	13-7
HX-20-2	13-7
HX-23	13-7, 20-16
HX-23-1	13-7, 13-10
HX-23-10M	20-19

INDEX

Tri Part #	Page #
HX-23-10MK	13-11
HX-23-11K	13-9
HX-23-12K	13-9
HX-23-13	13-7
HX-23-13K	13-9, 13-9
HX-23-15K	13-9, 13-9
HX-23-16	13-12, 13-14, 20-16
HX-23-17	13-12
HX-23-18	13-12
HX-23-1A	13-7, 13-10
HX-23-2	13-7
HX-23-21	13-14
HX-23-22	13-14
HX-23-3	13-7, 13-10
HX-23-4	13-7, 20-16
HX-23-5K	13-9
HX-23-6K	13-9
HX-23-7	13-10, 20-16
HX-23-74SK	6-63
HX-23-8	13-7, 20-16
HX-23-9	13-7, 20-16
HX-24-1	13-9
HX-24-2	13-9
JB-18	20-8
JB-18-1	20-8
JB-18-10	20-9, 11-34
JB-18-11	11-31, 20-9
JB-18-2	11-13, 11-21, 20-9
JB-18-3	12-3, 20-8
JB-18-4	20-8
JB-18-5	20-8
JB-18-6	11-9, 12-5, 20-8
JB-18-7	12-7, 20-10
JB-18-8	20-10
JB-18-8B	12-7, 12-9, 12-11, 12-13, 12-15, 12-17, 20-10

Tri Part #	Page #
JB-18-8BX	12-9, 12-11, 12-13, 12-15, 12-17, 20-10
JB-18-9	20-9
JB-18X	20-8
JC-6-2	10-7
JC-6-2	12-9, 12-11, 12-13, 12-15, 20-41
JH-1-10GRC	12-7
JH-1-11GRC	16-3
JH-1-12GRC	12-9, 12-11, 12-13, 12-15
JH-1-13GRC	11-25, 11-27
JH-1-14GRC	11-25, 11-27
JH-1-15G	11-29
JH-1-16GRC	11-15
JH-1-19FLGRC	12-9, 12-11, 12-13, 12-15
JH-1-20FLGRC	12-7
JH-1-21GRC	11-11
JH-1-22GRC	11-11, 11-13
JH-1-23GRC	11-15
JH-1-24GRC	11-15
JH-1-25GRC	11-23
JH-1-26GRC	16-3
JH-1-27GRC	11-19
JH-1-29GRC	11-23
JH-1-2G	11-7
JH-1-2GRC	11-5
JH-1-30GRC	11-27
JH-1-31GRC	11-3, 11-5, 11-7
JH-1-32FLGRC	11-5
JH-1-33G	10-4
JH-1-35GRC	11-17
JH-1-37GRC	11-19
JH-1-38FLGRC	12-17
JH-1-39GRC	12-17
JH-1-42GRC	11-30
JH-1-43FLG	11-31
JH-1-47FLG	11-33

Tri Part #	Page #
JH-1-5GRC	11-3
JH-1-6G	12-3
JH-1-7GRC	11-13, 11-21
JH-1-8G	11-9
JH-1-9GRC	11-11, 11-13
JO-25-1	11-3, 11-13, 11-17, 20-31
JO-25-10	12-13, 20-32
JO-25-12	20-32
JO-25-13	11-30, 20-30
JO-25-14	11-30, 20-30
JO-25-15	20-32
JO-25-16	11-30, 20-34
JO-25-17	20-33
JO-25-18	20-32
JO-25-19	20-32
JO-25-19	11-34
JO-25-1X	11-3, 11-13, 11-17, 20-31
JO-25-2	11-5, 11-7, 11-11, 11-15, 11-19, 11-25, 11-27, 20-31
JO-25-20	20-35
JO-25-21	11-34, 20-34
JO-25-22	11-32, 20-30
JO-25-23	11-31, 20-30
JO-25-24	20-31
JO-25-3	11-3
JO-25-4	11-5, 11-7, 11-11, 11-15, 11-19, 11-25, 11-27, 20-31
JO-25-5	12-7, 12-9, 12-11, 12-13, 12-15, 20-35
JO-25-7	16-3, 20-34
JO-25-8	11-23, 20-34
JO-25-9	6-58, 11-29, 20-34

INDEX

Tri Part #	Page #
JR-7-1	12-5, 12-7, 20-28
JR-7-2	11-13, 20-28
JR-7-3	11-7, 20-28
JR-7-4	11-5, 20-28
JS-6-1	12-5, 12-7, 20-29
JS-6-2	20-29
JS-6-3	11-5, 11-7, 20-29
JS-6-4	11-11, 11-15, 20-29
JS-6-5	11-5, 20-29
JW-2-1	11-3, 12-3
JW-2-10	12-9, 12-11, 12-13, 12-15, 20-47
JW-2-12	12-7, 12-9, 12-11, 12-11, 12-13, 12-13, 12-15, 20-5
JW-2-13	12-7, 12-9, 12-11, 12-11, 12-13, 12-13, 12-15, 20-5
JW-2-14	11-15, 11-27, 20-4
JW-2-15	11-13, 11-15, 11-15, 20-4
JW-2-16	11-15, 11-27, 20-4
JW-2-17	11-25, 20-4
JW-2-18	20-5
JW-2-19	11-17, 20-6
JW-2-2	11-11, 11-15, 11-23, 11-27, 20-5
JW-2-20	11-17, 11-23, 20-3
JW-2-21	12-13, 12-15, 20-47

Tri Part #	Page #
JW-2-22	12-13, 12-15, 20-4
JW-2-24	12-17, 14-7, 20-5
JW-2-25	20-3
JW-2-26	11-29, 20-5
JW-2-27	11-29, 20-4
JW-2-28	11-30, 11-31, 20-5
JW-2-28	11-33
JW-2-29	11-30, 20-5
JW-2-30	11-34, 20-5
JW-2-4	20-48
JW-2-5	11-5, 11-7, 13-3, 20-38, 20-47
JW-2-5T	11-5, 11-7, 13-5, 19-6, 19-8, 19-12, 19-16, 19-18, 19-19, 19-24, 19-26, 20-38, 20-47
JW-2-5TT	11-5, 11-7, 19-3, 19-12, 20-38, 20-47
JW-2-6	11-5, 11-7, 20-47
JW-2-7	12-7, 20-47
JW-2BK	11-5, 11-7
JW-2N	6-19, 6-23, 17-3, 17-5, 17-7, 17-9, 17-11, 17-13, 17-17, 19-3, 19-8, 19-12, 19-16, 19-18, 19-24, 19-26, 20-3

Tri Part #	Page #
JW-2ND	6-19, 6-23, 6-25, 11-5, 11-7, 13-3, 13-5, 14-5, 17-3, 17-5, 17-7, 17-9, 17-11, 17-13, 17-17, 17-21, 19-3, 19-5, 19-8, 19-12, 19-16, 19-18, 19-19, 19-24, 19-26, 20-3
JW-3	12-13
JW-4-1	11-3, 11-5, 12-3
JW-4-10	12-5
JW-4-11	11-15
JW-4-12B	12-11, 12-13
JW-4-13	12-9
JW-4-14	12-7
JW-4-15	11-23
JW-4-16	11-9
JW-4-17	11-27
JW-4-18	11-13
JW-4-19	12-11, 12-13
JW-4-20	12-11, 12-13
JW-4-21	11-19
JW-4-22	11-19
JW-4-23	10-9
JW-4-24	11-11, 11-15
JW-4-24L	11-11
JW-4-25	11-27
JW-4-26	11-27
JW-4-27	11-5
JW-4-28	12-9
JW-4-3	11-3, 11-5, 12-3
JW-4-31	11-11
JW-4-32	11-17, 11-23
JW-4-33	11-25
JW-4-36	11-13

INDEX

Tri Part #	Page #
JW-4-37	11-15
JW-4-38	11-15
JW-4-39	11-21
JW-4-4	11-13
JW-4-40	12-15
JW-4-41	12-15
JW-4-42	12-17
JW-4-43	11-29
JW-4-44	11-29
JW-4-9	12-7
JW-9	12-3
JW-9-10	12-13, 12-15
JW-9-10B	12-13, 12-15
JW-9-11	12-5
JW-9-12	11-23
JW-9-13	11-21
JW-9-14	12-13
JW-9-15	11-35
JW-9-16	11-32
JW-9-3	20-2
JW-9-5	11-3, 11-11, 11-15, 11- 17, 11-19, 11-25, 11-27
JW-9-6	11-5, 11-7, 11-13
JW-9-7	11-9
JW-9-8K	12-7, 12-9, 12-11, 20-47
JW-9-9	12-7, 12-9, 12-11, 20-47
JX-12	11-9, 11-13, 11-17, 11- 19, 11-21, 11-25, 11- 27, 11-29, 20-26
JX-12-3	11-3
JX-12-4	20-26
JX-12-5	11-29
JX-12-7	20-26
JX-12-8	20-26
JX-12L	11-9, 20-26

Tri Part #	Page #
JX-12S	17-21, 20-26
JX-13-10HT	11-15
JX-13-11HT	12-7
JX-13-12HT	12-11
JX-13-13HT	12-13
JX-13-14HT	11-11
JX-13-15HT	11-21
JX-13-16HT	16-3
JX-13-17HT	12-7
JX-13-18X	11-3, 11-5, 11-7, 11-9, 11-13, 11- 21, 11-23, 12-3, 12-5
JX-13-1HT	12-3
JX-13-20	11-11
JX-13-21	12-9, 12-11, 12-13
JX-13-22	16-3
JX-13-25	12-7
JX-13-26HT	11-19, 11-25
JX-13-27HT	11-27
JX-13-28HT	11-7
JX-13-29HT	12-9
JX-13-30HT	11-23
JX-13-31HT	11-17
JX-13-32HT	12-15
JX-13-33HT	12-15
JX-13-34HT	11-9
JX-13-35HT	11-19
JX-13-36HT	12-11
JX-13-37HT	11-36
JX-13-38HT	11-36
JX-13-39HT	11-36
JX-13-40HT	11-36
JX-13-41HT	12-13
JX-13-42HT	12-9
JX-13-42K	12-9
JX-13-43HT	12-13
JX-13-44HT	11-36
JX-13-46HT	12-13
JX-13-47HT	11-29, 11-36
JX-13-48HT	11-36

Tri Part #	Page #
JX-13-50HT	12-17
JX-13-5HT	11-3
JX-13-6HT	11-5
JX-13-7HT	11-13
JX-13-8HT	11-3
JX-13-9HT	12-5
JX-14-1	11-3, 12-3
JX-14-10	11-19, 11-23
JX-14-14	12-17
JX-14-4	11-5, 11-7
JX-14-5	11-13
JX-14-6	12-7
JX-14-7	12-9, 12-11, 12-13, 12-15
JX-14-8	10-6
JX-14-9	11-9
JX-15-1	11-3
JX-15-5	11-5
JX-22-100	11-9, 12-3, 12-5, 12-13, 12-17
JX-22-101	11-13, 11-21
JX-22-102	12-3, 12-7, 12-9, 12-11, 12-15
JX-22-2	11-5, 11-7, 11-13
JX-22-3	11-3, 11-11, 11-15, 11- 17, 11-19, 11-25, 11-27
JX-22-855	12-7, 12-15
JX-23-1	20-18
JX-23-10	20-19
JX-23-10K	11-11, 19-14
JX-23-12	20-22
JX-23-13	11-5
JX-23-14	11-11, 11-15
JX-23-15	12-7, 12-15, 20-19
JX-23-15K	12-9
JX-23-15X70	12-15
JX-23-15X70K	12-9

INDEX

Tri Part #	Page #
JX-23-16	12-7, 12-9, 12-15
JX-23-18	12-11, 12-13
JX-23-1K	11-3
JX-23-2	20-22
JX-23-20	20-19
JX-23-20K	11-13, 16-3
JX-23-211R	12-5
JX-23-22	20-19
JX-23-22K	11-15, 19-4, 19-20, 14-13
JX-23-23	20-20
JX-23-23K	11-19, 11-25
JX-23-24	20-18
JX-23-24K	11-21
JX-23-25	16-3
JX-23-26	11-23
JX-23-28	11-19, 11-27
JX-23-29	11-25
JX-23-3	20-18
JX-23-30	11-21
JX-23-32	20-19
JX-23-32K	11-29
JX-23-33	20-19
JX-23-33K	11-13
JX-23-34	11-30, 20-16
JX-23-35	11-30
JX-23-36	11-30
JX-23-37	20-18
JX-23-38	11-31, 20-16
JX-23-39	11-31
JX-23-3K	7-7, 11-5
JX-23-3X70K	11-5
JX-23-4	11-5, 20-22
JX-23-40	11-31
JX-23-41	20-18
JX-23-42	20-18
JX-23-5	11-3
JX-23-6	11-5, 11-7
JX-23-7	11-13
JX-23-8	20-19
JX-23-8K	1-6, 5-5, 17-21, 12-7

Tri Part #	Page #
JX-23-9	20-22
JX-23-9K	11-13
KH-1-4FLG	9-2
KO-25-1	9-2, 20-36
KX-23-6K	20-20
L30488	10-14
MAL-R-1	20-27
MB-6012	10-4, 20-2
MB-6209	10-4, 20-6
MB-6210	10-4, 20-6
MB-6304	10-4, 20-2
MC-1	10-7, 20-42
MC-2	10-7, 20-42
MC-3	10-7, 20-42
MC-4	10-8, 11-25, 20-42
MC-5	10-8
MC-6	10-8
MC-8	1-6, 20-42
MF-240-16K	15-3, 15-5
MF-295-18K	19-8, 19-22
MF-295-22K	19-12, 19-24, 19-6
MH-1-10GRC	10-5
MH-1-2G	10-4
MH-1-3G	10-4
MH-1-4G	10-4
MH-1-7GRC	10-5
MH-1-8G	10-5
MH-1-9G	10-5
MH-1TCMG	10-5
MH-1TCMLG	10-5
MHC-A	6-61, 20-17

Tri Part #	Page #
MHC-B	1-3, 4-11, 4-13, 4-17, 6-7, 6-19, 6-23, 6-25, 6-29, 7-3, 8-3, 9-2, 11-3, 11-5, 11-7, 11-17, 11-23, 13-7, 13-12, 14-3, 14-5, 14-9, 14-11, 14-13, 14-15, 14-17, 14-19, 14-21, 17-17, 18-3, 20-17
MHC-BR	6-43, 6-45, 15-3, 15-5, 20-17
MHC-BU	1-6, 1-9, 1-11, 2-2, 6-63, 6-65, 6-67, 6-69, 7-5, 7-15, 7-19, 7-26, 7-28, 7-37, 7-49, 11-11, 11-13, 11-15, 11-19, 11-25, 11-27, 11-29, 11-31, 19-5, 19-8, 19-19, 19-22, 19-27, 19-29, 19-31, 19-32, 19-34, 19-41, 20-17
MHC-CL	3-3, 7-32, 20-17

INDEX

Tri Part #	Page #
MHC-G	1-5, 4-17, 5-3, 5-5, 5-7, 5-9, 5-11, 5-17, 5-21, 5-24, 6-56, 6-57, 17-3, 17-5, 17-7, 17-9, 17-11, 17-13, 17-15, 17-19, 17-21, 19-3, 19-4, 19-12, 19-16, 19-18, 19-24, 19-26, 20-17
MHC-P	7-9, 7-11, 11-9, 12-3, 12-5, 20-17
MHC-R	4-3, 4-7, 6-3, 6-9, 6-13, 6-17, 6-31, 6-33, 6-39, 6-41, 6-47, 6-51, 6-54, 6-59, 7-21, 7-25, 7-30, 11-34, 13-14, 18-5, 18-7, 19-38, 19-39, 19-40, 20-17
MHC-RN	12-7, 12-9, 12-11, 12-13, 12-15, 20-17
MHC-STD	6-5, 6-11, 6-15, 6-17, 6-21, 6-23, 6-27, 6-29, 6-31, 6-33, 6-37, 6-41, 6-43, 6-45, 6-49, 6-51, 6-54, 6-71, 12-7, 12-9, 12-11, 12-13, 12-15, 15-3, 15-5, 18-7, 20-17

Tri Part #	Page #
MHC-W	4-3, 6-35, 20-17
MHC-Y	1-7, 4-7, 4-11, 4-13, 4-20, 5-11, 5-15, 5-17, 5-21, 5-23, 5-26, 5-30, 6-3, 7-5, 7-13, 7-15, 7-35, 7-39, 7-41, 7-43, 7-46, 11-13, 11-21, 11-33, 16-3, 20-17
MHC-YA	20-17
MHS-STD	6-39
MS-240-20K	12-17, 14-7
MS-240-24K	14-7
MS-315-22K	11-29
MS-316-14K	14-11, 14-17, 14-19, 14-21, 19-3
MW-2-1	20-3
MW-2-10	4-20, 5-17, 6-3, 6-9, 6-13, 6-17, 6-31, 6-33, 6-47, 6-51, 6-54, 7-47, 20-39
MW-2-135	20-39
MW-2-20	4-20, 5-17, 6-3, 6-9, 6-13, 6-17, 6-31, 6-33, 6-47, 6-51, 6-54, 7-47, 20-40, 4-20, 5-17
MW-2-30	6-3, 6-9, 6-13, 6-17, 6-31, 6-33, 6-47, 6-51, 6-54, 7-46, 20-40
MW-2-50	20-40

Tri Part #	Page #
MX-14	10-6
MX-14-1	10-6
MX-14-2	10-6
MX-14-3	10-6
MX-23-1	10-6, 20-21
MX-SH-1	10-6
MX-SH-2	10-6
MX-SH-3	10-6
N-63	7-37, 7-39, 7-47, 20-7
NB-18	20-8
NH-1	8-3
NH-1-1	8-3
NH-1-2	8-3
NH-1-3	8-3
NH-1-4	8-3
NH-1-5	8-3
NH-1-6	8-3
NH-1-7	8-3
NH-1-8	8-3
NO-25	8-5, 20-34
NO-25-1	8-3, 20-31
NO-25-2	20-30
NO-25-3	20-30
NO-25-4	20-31
NTA-1828	20-2
NTA-2031	20-2
NTA-2233	20-2
NTA-2435	20-2
NTA-2840	20-3
NTA-3244	14-9, 14-15, 20-4
NTA-3446	20-4
NTA-4052	20-5
NTA-4860	20-6
NW-2	8-3, 20-3
NW-2-1	8-3, 20-3
NW-2-18K	8-3
NW-2-2	8-3, 20-4
NW-2-24K	8-3
NW-2-26K	8-3
NW-2-3	8-3, 20-5
NW-2-4	20-5

INDEX

Tri Part #	Page #
NW-2-5	8-3, 20-5
NW-2-6	20-5
NW-4	8-3
NW-4-1	8-5
NW-9	20-2
NW-9-1	20-2
NW-9-1A	20-47
NW-9-1B	20-47
NW-9-1K	8-5, 20-2
NW-9B	20-47
NW-9K	8-5, 20-2
NW-9W	20-47
NX-23	8-5
NX-23-1	8-5, 20-18
NX-23-10	20-19
NX-23-11	20-20
NX-23-12	20-20
NX-23-12HC	6-60, 7-31
NX-23-12K	6-60, 7-31
NX-23-12X70HC	7-31, 6-60
NX-23-12X70K	6-60, 7-31
NX-23-13	20-20
NX-23-14	8-5
NX-23-1K	19-3
NX-23-2	8-5, 12-7, 12-15, 20-19
NX-23-2K	12-9, 18-7
NX-23-2X70K	12-9, 12-15
NX-23-3	8-5
NX-23-5	8-5, 20-20
NX-23-6	8-5, 20-18
NX-23-7	8-5, 20-19
NX-23-8	20-19
NX-23-9	20-19
NX-23V	8-5
PB-18	19-3, 19-14, 19-16, 19-18
PB-18-1	19-26, 20-8
PB-18-2	19-24, 20-9
PB-18-3	19-22

Tri Part #	Page #
PC-6	19-19, 19-27, 19-30, 19-34, 19-36, 19-37, 20-42
PH-1-10GRC	19-26
PH-1-11GRC	19-24
PH-1-12GRC	19-8, 19-19, 19-22
PH-1-14GRC	19-27, 19-32, 19-33, 19-34
PH-1-15GRC	19-18
PH-1-17FLG	19-19, 19-22
PH-1-19FLG	19-4
PH-1-2G	19-43
PH-1-3G	19-43
PH-1-4G	19-43
PH-1-5G	19-43
PH-1-6G	19-12
PH-1-6TG	19-12, 19-43
PH-1-7GRC	19-5
PH-1-8GRC	19-3
PH-1-9GRC	19-16
PH-1-9GRC	19-18
PH-1G	19-43
PMP10-3	10-13
PO-25	19-3, 19-14, 19-16, 19-18, 19-26, 20-37
PO-25-1	19-24, 19-32, 19-33, 20-33
PO-25-10	19-29, 19-31, 20-35
PO-25-11	19-38, 19-39, 20-30
PO-25-11	19-40
PO-25-12	19-38, 19-39, 19-40, 20-37
PO-25-13	19-38, 19-39, 19-40, 20-37

Tri Part #	Page #
PO-25-13	7-33
PO-25-14	19-38, 19-39, 19-40, 20-31
PO-25-15	19-34, 20-33
PO-25-16	19-41
PO-25-17	19-41
PO-25-2	19-24, 20-37
PO-25-3	19-22, 20-33
PO-25-6	6-63, 19-3, 19-14, 19-16, 19-18, 19-20, 19-24, 19-26, 19-28, 19-32, 19-34, 20-36
PO-25-7	19-10, 19-20, 19-22, 19-28, 19-32, 19-33, 19-34, 20-36
PO-25-8	19-10, 19-20, 20-33
PO-25-9	19-4, 20-36
PO-25T	19-3, 19-14, 19-16, 19-18, 20-37
PO-25X	19-3, 19-14, 19-16, 19-18
PR-7	19-44, 20-28
PW-2-10HD	19-4, 19-8, 19-8, 19-19, 19-22, 19-24, 19-27, 19-32, 19-33, 19-34, 19-38, 19-39, 19-40, 20-3
PW-2-11	19-22, 20-2
PW-2-12	19-10, 20-3
PW-2-13	19-10, 20-47
PW-2-14	19-38, 19-40, 19-42
PW-2-15	19-42, 20-47

INDEX

Tri Part #	Page #
PW-2-16	19-38, 19-40, 19-42, 20-47
PW-2-2	19-45, 20-47
PW-2-3	13-3, 13-5, 16-3, 19-3, 19-5, 19-8, 19-12, 19-16, 19-18, 19-19, 19-24, 19-26, 20-47
PW-2-4	19-3, 19-5, 19-12, 19-16, 19-18, 19-26
PW-2-5	20-48
PW-2-6	20-3, 20-47
PW-2-7	19-24, 19-26, 20-2
PW-2-8	19-24, 19-26, 20-47
PW-2-9	19-24, 19-26, 20-47
PW-4-1	19-6, 19-8, 19-12, 19-18, 19-24
PW-4-10	19-6
PW-4-11	19-16, 19-26
PW-4-12	19-24
PW-4-13	19-4, 19-8, 19-19, 19-22, 19-8, 19-22
PW-4-14	19-33
PW-4-3	19-12, 19-12
PW-4-4	19-12
PW-4-5	19-12
PW-4-6	19-3
PW-4-7	19-43
PW-4-8	19-43
PW-4-9	19-43
PW-9-062	19-45
PW-9-094	19-45
PW-9-1	19-45

Tri Part #	Page #
PW-9-2D	19-14, 19-16
PW-9-2E	19-14, 19-16
PW-9-2F	19-14, 19-16
PW-9-3D	19-3, 19-6, 19-14, 19-18
PW-9-3E	19-3, 19-6, 19-14, 19-18
PW-9-3F	19-3, 19-6, 19-14, 19-18
PW-9-4	19-46, 20-5
PW-9-6	19-10
PW-9-7	19-27, 19-28, 19-32, 19-33, 19-34, 20-2
PW-9-8	19-20
PW-9-9	19-38, 19-39, 19-40
PX-12	19-3, 19-6, 19-14, 19-16, 19-18, 19-24, 19-26, 20-26
PX-12-1	19-22
PX-12-1L	19-10, 19-22
PX-12-2	19-29, 19-31, 20-26
PX-12-4	19-31, 20-27
PX-12L	19-6, 19-14, 20-26
PX-13-10HT	19-14
PX-13-11HT	19-44
PX-13-12HT	19-16, 19-18
PX-13-13HT	19-46
PX-13-14HT	19-24
PX-13-15HT	19-26
PX-13-16HT	19-44
PX-13-17HT	19-44
PX-13-18HT	19-22
PX-13-19HT	19-10
PX-13-1HT	19-14
PX-13-20HT	19-10
PX-13-26	19-14

Tri Part #	Page #
PX-13-27	19-3, 19-14, 19-43
PX-13-27L	19-3, 19-14, 19-44
PX-13-27LR	19-44
PX-13-2HT	19-44
PX-13-3HT	19-46
PX-13-4HT	19-14
PX-13-5HT	19-3, 19-14
PX-13-6HT	19-14
PX-13-7HT	19-14
PX-13-8HT	19-14
PX-13-9HT	19-14
PX-13HT	19-14
PX-14	19-12
PX-14-1	19-12
PX-14-10	19-27
PX-14-2	19-12
PX-14-3	19-12
PX-14-5	10-6
PX-14-6	10-6, 19-46
PX-14-7	19-16, 19-18, 19-26
PX-14-8	19-24
PX-14-9	19-46
PX-22-1	19-24
PX-22-2	19-22, 19-24
PX-22-3	19-24
PX-22-4	19-22
PX-22-5	19-22, 19-42
PX-22-6	19-32, 19-42
PX-23-10	19-26, 20-20
PX-23-11	20-19
PX-23-11K	19-24, 6-56
PX-23-12M	19-22, 20-19
PX-23-13	20-19
PX-23-13K	19-10
PX-23-17	20-21
PX-23-17HC	19-36, 19-37
PX-23-19	20-19
PX-23-19HC	19-32
PX-23-20	20-18
PX-23-20HC	19-27

INDEX

Tri Part #	Page #
PX-23-22	20-18
PX-23-24	20-18
PX-23-25M	20-18
PX-23-25MK	19-29, 19-31
PX-23-25MT	19-29, 19-31
PX-23-25X70MK	19-29, 19-31
PX-23-26	20-18
PX-23-27K	19-41
PX-23-27X70K	19-41
PX-23-9	19-14, 20-19
PX-23-9HC	11-33, 11-34
PX-23-9K	7-11, 7-49, 11-33, 11-34
PX-23-9X70HC	11-33, 11-34
PX-23-9X70K	11-33, 11-34
PX-26	19-14
PX-26-1	19-14
PX-26-10	19-32, 19-42, 20-18
PX-26-11	19-27, 19-42, 20-18
PX-26-12	19-30, 19-33, 19-34
PX-26-12	20-18
PX-26-13	19-30, 19-33, 19-34
PX-26-14	19-38, 19-40, 19-42, 20-18
PX-26-15	19-35, 19-42, 20-18
PX-26-16	20-18
PX-26-17	19-38, 19-39, 19-40
PX-26-18	19-39, 19-40
PX-26-18	19-38
PX-26-19	19-39, 19-40
PX-26-2	19-3
PX-26-20	19-31, 20-18
PX-26-21	19-29, 20-18
PX-26-23	19-35
PX-26-3	19-26, 20-17

Tri Part #	Page #
PX-26-4	19-26
PX-26-5	19-26
PX-26-6	19-24, 20-17
PX-26-7	19-22, 20-17
PX-26-8	20-17
PX-26-9	19-36, 19-37, 19-42, 20-17
PX-8	19-6, 19-14, 19-16, 19-18
PX-8-1	19-10, 20-40
PX-8-1A	19-10, 20-40
R29995	10-14
RB-18	20-9
RC-6-1	15-3, 15-5, 20-42
RG-103N	8-3, 20-23
RG-103NB	8-3, 20-23
RG-106KM	14-3, 14-9, 14-11, 14-15, 14-19, 14-21, 20-23
RG-107A	20-23, 15-6
RG-107N	8-3, 20-23
RG-107NA	20-23
RG-109N	8-3, 20-23
RG-109NW	8-3, 20-23
RG-110B	20-23
RG-110BA	4-17, 20-23
RG-110KM	14-19, 20-23
RG-114B	8-3, 20-23
RG-114N	8-3, 20-23
RG-114NB	20-23
RG-114NW	8-3, 20-23
RG-115B	4-17, 20-23
RG-115S	16-3, 20-23
RG-120B	4-17, 20-23
RG-121B	20-23
RG-122	5-13, 5-19, 5-21, 20-23
RG-124	4-15, 20-23
RG-125V	18-5, 20-23
RG-125VL	18-7, 20-23

Tri Part #	Page #
RG-130	5-15, 20-23
RG-130H	5-13, 5-21, 20-23
RG-130V	18-3, 20-24
RG-132	6-11, 20-24
RG-132B	4-17, 20-24
RG-133	20-24
RG-133F	20-24
RG-135B	4-17, 20-24
RG-146	20-24
RG-146S	4-20, 20-24
RG-147	7-35, 20-24
RG-148	5-13, 20-24
RG-148A	4-11, 20-24
RG-148S	4-20, 20-24
RG-149	4-15, 20-24
RG-151	4-15, 20-24
RG-153	4-15, 20-24
RG-153S	20-24
RG-157N	20-24
RG-158	4-15, 20-24
RG-159	4-15, 20-24
RG-162	4-15, 20-24
RG-164C	20-24
RG-164F	20-24
RG-164M	20-24
RG-164R	20-24
RG-164T	20-24
RG-166D	20-25
RG-166P	20-25
RG-168	20-25
RG-168C	20-25
RG-168S	20-25
RG-172	20-25
RG-176	20-25
RG-184T	20-25
RH-1-1GRC	15-3, 15-5
RH-1-2FLG	15-3, 15-5
RO-25-1	15-3, 20-34
RO-25-2	15-5, 20-34
RO-25-3	20-33
RW-2-1	15-3, 15-5, 20-5

INDEX

Tri Part #	Page #
RW-2-2	20-2
RW-4-1	15-3, 15-5
RW-9-1	15-3, 15-5
RX-12	15-3, 15-5, 20-26
RX-13-1HT	15-3, 15-5
RX-22-1	15-3
RX-22-2	15-3, 15-5
RX-22-3	15-3, 20-26
RX-22-4	15-5, 20-26
RX-22-5	15-5
RX-23-1	20-18
RX-23-1K	15-3
RX-23-2	20-18
RX-23-2KK	15-5
RX-26-1	15-3, 20-17
RX-26-1K	15-3
RX-26-2	15-5, 20-17
RX-26-2K	15-5
SB-18	7-41, 7-43, 20-9
SB-18-1	7-9, 20-8
SB-18-2	7-5, 7-11, 20-9
SB-18-2-10	7-5, 20-9
SB-18-2-2	7-5, 20-9
SB-18-2X	7-5, 7-11
SB-18-3	7-45, 20-8
SB-18-4	7-3, 20-8
SB-18-5T	20-9
SB-18-6	6-59, 7-30, 20-9
SB-18-7	20-9, 7-32
SC-6	2-2, 3-3, 20- 42
SC-6-1	3-3
SH-1-10GRC	7-43
SH-1-11G	7-40, 7-43
SH-1-12G	7-19
SH-1-12GRC	7-5
SH-1-14GRC	7-43
SH-1-15G	7-15

Tri Part #	Page #
SH-1-16G	7-38, 7-40, 7-43
SH-1-16GRC	7-5
SH-1-17G	7-11
SH-1-17GRC	7-5, 7-11
SH-1-18G	7-15
SH-1-19GRC	7-5
SH-1-1G	7-9
SH-1-20GRC	7-5
SH-1-21GRC	7-21
SH-1-22GRC	7-21
SH-1-23GRC	5-30, 7-43
SH-1-24GRC	7-15
SH-1-25GRC	7-21
SH-1-26GRC	7-43, 7-50
SH-1-27GRC	7-5
SH-1-28GRC	7-43
SH-1-29GRC	7-3
SH-1-2G	7-15, 7-37
SH-1-31G	7-15
SH-1-32G	7-19
SH-1-32GRC	7-5
SH-1-35GRC	7-13
SH-1-36GRC	7-5
SH-1-37GRC	7-5
SH-1-38G	7-15
SH-1-3GRC	5-30, 7-43
SH-1-41G	7-15, 7-37
SH-1-43GRC	7-21
SH-1-46G	7-25
SH-1-46GRC	7-21
SH-1-47G	7-40, 7-43
SH-1-48GRC	3-3
SH-1-49GRC	3-3
SH-1-4G	7-38, 7-40, 7-43
SH-1-55GRC	5-30
SH-1-56GRC	7-49
SH-1-57GRC	7-26
SH-1-5G	7-15, 7-40, 7-43
SH-1-5GRC	7-5
SH-1-63GRC	6-59, 7-30

Tri Part #	Page #
SH-1-64GRC	7-26, 7-28
SH-1-66FLG	7-32
SH-1-6G	7-38, 7-43
SH-1-9GRC	7-5
SH-1G	7-15, 7-38, 7-40, 7-43
SO-23-1	7-17, 20-32
SO-23-1A	7-17, 20-32
SO-23-21	7-7, 20-31
SO-23-21A	7-7, 20-31
SO-23-24	7-23, 7-25, 20-32
SO-23-24A	7-23, 20-32
SO-23-25	7-13, 20-31
SO-23-26	7-3, 7-11, 7- 49, 20-31
SO-23-27	7-3, 20-31
SO-23-28	7-13, 7-19, 20-31
SO-23-30	20-35, 7-33
SO-23-33	5-30, 20-32
SO-23-33X	5-30, 20-32
SO-23-34	3-3, 20-35
SO-23-35	7-11, 20-34
SO-23-36	7-27, 9-2, 20-33
SO-23-37	3-3, 20-35
SO-23-38	20-36
SO-23-39	7-13, 7-19, 20-31
SO-23-41	6-60, 7-31, 20-36
SO-23-42	6-60, 7-31, 20-31
SO-23-43	7-29, 20-35
SO-23-44	20-35
SO-23-45	20-30
SO-23-46	7-27, 20-33
SP89610	13-9

INDEX

Tri Part #	Page #
SR-7	5-27, 5-30, 6-43, 6-45, 6-56, 6-65, 6-67, 6-69, 7-19, 7-26, 7-28, 7-41, 7-43, 10-3, 20-28
SR-7-1	7-9, 7-15, 7- 37, 7-41, 7- 43, 20-28
SR-7-2	6-57, 7-5, 20-28
SR-7-3	7-21, 7-25, 20-28
SR-7-4	7-11, 7-13, 7-21, 7-49, 20-28
SR-7-5	7-3, 20-28
SR-7-6	6-71, 7-32, 20-28
SS-6	5-30, 7-19, 7-26, 7-28, 7-41, 7-43, 10-3, 14-9, 20-29
SS-6-1	7-9, 7-15, 7- 37, 7-41, 7- 43, 20-29
SS-6-2	6-57, 7-5, 20-29
SS-6-3	7-21, 7-25, 20-29
SS-6-4	7-11, 7-13, 7-21, 7-49, 20-29
SS-6-5	7-3, 20-29
SS-6-6	5-27, 20-29
SS-6-7	6-71, 7-32, 20-29
SW-2	7-43, 20-2
SW-2-010	7-15, 20-39
SW-2-020	7-15, 20-39
SW-2-030	7-15, 20-39
SW-2-050	7-15, 20-39

Tri Part #	Page #
SW-2-1	4-7, 7-9, 7- 37, 7-39, 7- 41, 7-43, 20- 2
SW-2-11	6-57, 6-63, 6-65, 6-67, 6-69, 7-3, 7- 5, 7-11, 7-13, 7-49, 20-6, 7-32
SW-2-110	7-5, 7-11, 7- 13, 20-40
SW-2-12	5-26, 5-30, 7-15, 7-43, 10-3, 20-5
SW-2-120	7-5, 7-11, 7- 13, 20-40
SW-2-13	20-3
SW-2-130	7-5, 7-11, 7- 13, 20-40
SW-2-14	7-43, 7-50, 20-5
SW-2-16	7-43
SW-2-18	7-21, 20-6
SW-2-19	7-43, 7-50, 20-47
SW-2-1HD	7-9, 7-9, 7- 37, 7-39, 7- 41, 7-43, 20- 2
SW-2-20K	7-3
SW-2-210	5-30, 7-15, 7-43, 10-3, 20-40
SW-2-220	5-30, 7-15, 7-43, 10-3, 20-40
SW-2-23	7-43, 7-50
SW-2-230	5-30, 7-15, 7-43, 10-3, 20-40
SW-2-24	7-19, 7-21, 7-25, 20-6
SW-2-25	3-3, 20-6
SW-2-26	3-3, 20-5

Tri Part #	Page #
SW-2-27	3-3, 20-49
SW-2-28	3-3, 20-49
SW-2-30	7-9, 7-37, 7- 39, 7-41, 7- 43, 20-38
SW-2-30	20-47
SW-2-31	3-3, 20-6
SW-2-310	7-21, 20-40
SW-23-17	7-7
SW-23-18	7-7
SW-2-32	3-3, 20-6
SW-2-320	7-21, 20-40
SW-2-33	7-19, 7-21, 7-25, 7-26, 7-27, 20-6
SW-2-330	7-21, 20-40
SW-2-34	6-59, 7-30, 20-6
SW-2-35	6-59, 7-30, 20-4
SW-2-36	20-6
SW-2-37	6-57, 20-5
SW-2-38	6-57, 20-5
SW-2-39	7-26, 7-28, 7-32, 20-6
SW-2-3K	7-9, 7-37, 7- 39, 7-41
SW-2-3KHD	7-9, 7-37, 7- 39, 7-41
SW-2-4	7-9, 7-37, 7- 39, 7-41, 7- 43, 20-47
SW-2-40	7-27, 7-28
SW-2-41	20-49
SW-2-410	7-25, 20-40
SW-2-42	20-6
SW-2-420	7-25, 20-40
SW-2-430	7-25, 20-40
SW-2-44	5-26, 20-40
SW-2-45	5-26, 20-40
SW-2-5	7-41, 7-43, 20-47

INDEX

Tri Part #	Page #
SW-2-6	4-7, 7-9, 7-37, 7-39, 7-41, 7-43, 20-47
SW-2-60	7-9, 7-37, 7-39, 7-41, 7-43, 20-38, 20-47
SW-2-7	7-41, 20-48
SW-2-8	7-15, 20-4
SW-2-9	7-15, 20-47
SW-2-9HD	7-15, 20-47
SW-2D	20-2
SW-3	7-41
SW-4-10	7-15
SW-4-11	7-21
SW-4-12	7-21
SW-4-13	7-21
SW-4-15	7-15
SW-4-16	7-15
SW-4-17	7-41, 7-45
SW-4-18	7-11, 7-13, 7-49
SW-4-19	5-30, 10-3
SW-4-19A	5-27, 5-30
SW-4-19B	5-30, 10-3
SW-4-2	7-41, 7-45
SW-4-20	7-3, 7-3
SW-4-22	7-43
SW-4-24	7-41, 7-45
SW-4-25	7-45, 7-45
SW-4-26	7-25
SW-4-28	7-45
SW-4-2A	7-41, 7-45
SW-4-2B	7-41, 7-45
SW-4-2C	7-41, 7-45
SW-4-3	7-9, 7-37
SW-4-30	7-26
SW-4-31	7-28
SW-4-4	7-37
SW-4-41	6-58
SW-4-5	7-41, 7-45
SW-4-5D	7-41

Tri Part #	Page #
SW-4-8	7-5
SW-4-9	7-5
SW-9	7-45, 7-40
SW-9-080	7-45
SW-9-1	7-45, 7-40
SW-9-10	7-7, 7-17
SW-9-11	7-7
SW-9-11S	20-38
SW-9-12	7-45, 7-40
SW-9-13	7-45, 7-40
SW-9-14	7-23, 7-25
SW-9-15	7-23
SW-9-150	7-17
SW-9-16	5-30
SW-9-16B	5-30
SW-9-17	7-13
SW-9-18	3-3
SW-9-19	1-7, 1-8, 6-60, 7-31
SW-9-2	7-45, 7-40
SW-9-200	7-37
SW-9-21	1-7, 1-8, 6-60, 7-31
SW-9-23	7-29, 7-27
SW-9-24	3-3
SW-9-25	3-3
SW-9-3	7-45, 7-40
SW-9-4	7-45, 7-40
SW-9-52	7-17
SW-9-53	7-17
SW-9-54	7-17
SW-9-55	7-17
SW-9-56	7-17
SW-9-57	7-17
SW-9-6	7-17
SW-9-7	7-9
SW-9-8	7-9
SW-9-9	7-9
SX-10	7-17
SX-10-10	7-45
SX-10-12	7-7
SX-10-2	7-7, 20-7
SX-10-3	7-41

Tri Part #	Page #
SX-10-4	7-45
SX-10-6	7-9, 7-45
SX-10-7	7-41
SX-12	7-9, 7-37, 20-27
SX-12-10	6-47, 6-51, 7-21, 7-25, 20-27
SX-12-11	7-21, 20-26
SX-12-12	7-11, 7-49, 20-26
SX-12-14	6-45, 7-7, 7-11, 7-13, 7-19, 7-23, 7-25, 20-26
SX-12-15	7-29, 20-26
SX-12-16	7-27, 7-28, 20-26
SX-12-17	20-26
SX-12-18	6-59, 7-30, 20-27
SX-12-19	7-27, 20-27
SX-12-2	7-17, 20-27
SX-12-20	7-27, 20-27
SX-12-4	20-26
SX-12-5	7-3, 7-7, 20-26
SX-12-6	20-26
SX-12-7	3-3, 7-7, 20-27
SX-12-9	7-17, 20-27
SX-13-10HT	7-23
SX-13-11HT	7-45
SX-13-12HT	7-9
SX-13-14HT	5-30
SX-13-15HT	7-3
SX-13-16HT	7-17
SX-13-27CHT	7-7
SX-13-27FFHT	7-17
SX-13-27FHT	7-7
SX-13-27HT	7-17
SX-13-27JFHT	7-17
SX-13-27PHT	7-17

INDEX

Tri Part #	Page #
SX-13-27WHT	7-17
SX-13-27X	7-17
SX-13-2HT	7-9, 7-37
SX-13-30FFHT	7-17
SX-13-30FSHT	7-17
SX-13-30HT	7-17
SX-13-30JFHT	7-17
SX-13-30PHT	7-17
SX-13-30WHT	7-17
SX-13-31HT	7-17
SX-13-33HT	3-3
SX-13-34HT	7-25
SX-13-350HT	7-17, 7-37
SX-13-35HT	7-19
SX-13-3HT	7-17
SX-13-41HT	7-27
SX-13-43HT	6-59, 7-30
SX-13-45HT	7-27
SX-13-4HT	7-17
SX-13-56HT	7-49
SX-13-5HT	7-17
SX-13-6HT	7-17
SX-13-7HT	7-17
SX-13-8HT	7-35
SX-13SHT	7-41, 7-45
SX-13TK	7-7
SX-14	5-27, 5-30, 7-41, 7-43
SX-14-10	7-26, 7-28
SX-14-11	7-32
SX-14-2	7-9, 7-37
SX-14-3	7-11, 7-13, 7-15, 7-19, 7-49
SX-14-4	7-5
SX-14-5	7-21, 7-25
SX-14-6	7-21
SX-14-7	3-3
SX-15-1	7-9, 7-15, 7-37
SX-15-2	7-9, 7-15, 7-37, 7-41, 7-43

Tri Part #	Page #
SX-15-3K	7-15
SX-15-4	7-5
SX-15A	5-26, 5-30, 7-26, 7-28, 7-41, 7-43, 10-3
SX-15B	5-26, 5-30, 7-41, 7-43, 10-3
SX-15C	7-41, 7-43
SX-17-100	7-41
SX-20	7-45
SX-21-31-3K	7-15
SX-21-972	7-17
SX-22-1	3-3
SX-22-10	7-17, 7-23, 7-50
SX-22-24K	5-30, 5-31
SX-22-24KHC	5-31
SX-22-24KK	5-31
SX-22-25K	5-30, 5-31
SX-22-25KHC	5-31
SX-22-25KK	5-31
SX-22-6	3-3
SX-22-8	7-9
SX-22-9	7-17
SX-22X	7-9
SX-22XA	7-7, 7-11
SX-23	7-45, 7-50, 10-3
SX-23-0379	7-7
SX-23-1022	7-45
SX-23-103	7-3
SX-23-1054	7-23
SX-23-1054NR	7-23
SX-23-11	20-22
SX-23-110	7-13
SX-23-111	7-7
SX-23-13	14-11, 20-18
SX-23-13K	7-7, 14-21
SX-23-14	20-22
SX-23-15A	7-7
SX-23-22A	7-7

Tri Part #	Page #
SX-23-22B	7-7
SX-23-22C	7-7
SX-23-23	7-23
SX-23-25	20-21
SX-23-25K	7-23, 7-25
SX-23-26	7-23
SX-23-27	7-7
SX-23-28	7-23
SX-23-29	7-23
SX-23-31	11-7, 20-18
SX-23-31K	7-3, 11-5
SX-23-31X70K	11-5
SX-23-32	20-20
SX-23-32K	7-13
SX-23-34	5-30
SX-23-34FLG	5-30
SX-23-35	20-21
SX-23-35K	5-30
SX-23-36	7-11, 7-49
SX-23-37	7-19
SX-23-38	20-21
SX-23-39	7-7, 7-7
SX-23-3E	7-17
SX-23-4	19-16, 20-20
SX-23-40	20-21
SX-23-41	7-23
SX-23-42	20-18
SX-23-44	20-21
SX-23-44K	3-3
SX-23-46	20-21
SX-23-47	20-21
SX-23-47K	7-25
SX-23-48HP	20-24
SX-23-49	20-21
SX-23-49K	5-30, 7-25
SX-23-4C	7-19
SX-23-4K	7-17, 19-18
SX-23-4X70	19-16
SX-23-50	20-18
SX-23-51	20-18
SX-23-51K	1-5
SX-23-52	20-20

INDEX

Tri Part #	Page #
SX-23-54	20-21
SX-23-54K	3-3
SX-23-55HP	20-24
SX-23-56	20-21
SX-23-56C	3-5
SX-23-56HC	3-5
SX-23-56K	3-5
SX-23-56T	3-5
SX-23-56X70C	3-5
SX-23-56X70HC	3-5
SX-23-56X70K	3-5
SX-23-56X70T	3-5
SX-23-57	20-21
SX-23-57C	3-4
SX-23-57HC	3-4
SX-23-57K	3-4
SX-23-57T	3-4
SX-23-57X70C	3-4
SX-23-57X70HC	3-4
SX-23-57X70K	3-4
SX-23-57X70T	3-4
SX-23-58	20-18
SX-23-61	20-19, 20-21
SX-23-62	20-18
SX-23-63	20-18
SX-23-65	20-20
SX-23-66	20-21
SX-23-67K	20-23
SX-23-68	7-27
SX-23-69	20-20
SX-23-70M	20-19
SX-23-71MK	7-33
SX-23-74	7-27
SX-23-75HC	7-33
SX-23-76X70EHC	7-17
SX-23-77HP	20-23
SX-23-78HP	20-24
SX-23-8	7-17
SX-23-80MK	20-20
SX-23-81	3-4

Tri Part #	Page #
SX-23-82	3-5
SX-23-85HP	20-24
SX-23-86HP	20-24
SX-23-87HP	20-24
SX-23-972	7-41
SX-23B	7-17, 7-23, 7-45, 7-50, 10-3
SX-23BX	7-23
SX-23C	7-17, 7-23, 7-45, 7-50, 10-3
SX-23F	7-45, 7-50, 10-3
SX-23-LS45	7-17, 20-18
SX-23-LS70	7-17
SX-23-SS45	7-7, 20-18
SX-23-SS70	7-7
SX-26-1	20-15
SX-26-2	7-33, 20-15
SX-26-3	7-33
SX-5-11	5-26
SX-5-110	7-21
SX-5-3F	7-41
SX-5-4F	7-43
SX-5-4V	7-43
SX-5-6	7-9
SX-5-88	7-15
SX-5-9	7-5
SX-8-27	7-15
SX-8-3	7-41
SX-8-30	7-15
SX-8-4	7-45
TB-18	5-13, 20-8
TB-18-1	5-13, 5-15, 5-19, 20-9
TB-18-10	20-9
TB-18-11	14-9, 14-15, 20-8
TB-18-12	14-3, 14-11, 14-13, 14-17, 14-19, 14-21, 20-8

Tri Part #	Page #
TB-18-13	5-5, 5-7, 5-9, 5-25, 20-8
TB-18-14	5-5, 5-7, 5-9, 5-25, 20-8
TB-18-1A	5-15, 5-19, 20-9
TB-18-1P	20-9
TB-18-3	5-13, 5-19, 20-9
TB-18-4	5-19, 5-21, 5-30, 19-14, 20-9
TB-18-4X	5-19, 5-21, 20-9
TB-18-5	5-3, 20-8
TB-18-7	5-3, 20-8
TB-18-9	7-35, 20-8
TH-1-10G	10-5
TH-1-12AG	5-3, 5-4
TH-1-12G	5-3
TH-1-13GRC	14-3, 14-9, 14-11, 14-13, 14-15, 14-17, 14-19, 14-21
TH-1-14G	19-12
TH-1-14TG	19-12
TH-1-15GRC	5-17, 5-20
TH-1-16G	5-3, 5-4
TH-1-17GRC	5-20
TH-1-18G	5-4
TH-1-19G	5-4
TH-1-19GRC	5-20
TH-1-1G	5-11
TH-1-20AG	5-3, 5-4
TH-1-20G	5-3, 5-9, 5-4
TH-1-21GRC	14-9, 14-11
TH-1-22GRC	14-15
TH-1-23GRC	14-21
TH-1-24GRC	5-20
TH-1-25G	5-9
TH-1-26GRC	14-17, 14-19
TH-1-28AG	5-3, 5-4

INDEX

Tri Part #	Page #
TH-1-28GRC	14-3, 14-13
TH-1-2G	5-11
TH-1-2GRC	5-17
TH-1-32GRC	5-17, 5-20
TH-1-32TGRC	5-17, 5-20
TH-1-33GRC	5-11, 5-15
TH-1-33TGRC	5-11, 5-15
TH-1-34GCM	5-9, 5-4
TH-1-35GCM	5-9, 5-4
TH-1-36G	6-56
TH-1-36GRC	14-7
TH-1-37GRC	14-7
TH-1-3GRC	5-17, 5-20
TH-1-40GRC	5-20
TH-1-42FLG	5-23
TH-1-44FLG	5-26
TH-1-46FLG	5-24
TH-1-4AG	5-3, 5-4
TH-1-4G	5-3
TH-1-5TGRC	5-15
TH-1-7G	10-5
TH-1-8GRC	5-15
TH-1G	5-11
TH-1TBGRC	5-17
TH-1TG	5-11
TH-1TSGRC	5-17
TO-25-1	5-19, 5-21, 5-28, 5-30, 19-14, 20-36
TO-25-11	14-7
TO-25-11	20-35
TO-25-12	6-56, 14-7, 20-36
TO-25-13	14-5, 14-19, 20-36
TO-25-14	6-56, 12-17, 14-7, 20-33
TO-25-15	5-23, 5-26, 20-32
TO-25-16	5-23, 20-31
TO-25-17	5-23, 20-33
TO-25-19	5-9, 5-24, 20-32

Tri Part #	Page #
TO-25-2	5-19, 5-21, 20-35
TO-25-20	20-32
TO-25-22	5-28, 20-33
TO-25-23	2-2, 20-30
TO-25-24	2-2, 20-30
TO-25-25	19-4, 20-33
TO-25-3V	5-19, 5-21, 20-33
TO-25-4	14-11, 14-17, 14-19, 14-21, 20-33
TO-25-4X	14-11, 14-17, 14-19, 14-21, 20-33
TO-25-5	14-7, 14-11, 14-13, 14-17, 14-19, 14-21, 20-36
TO-25-6	5-5, 5-7
TO-25-6A	5-5, 5-7
TO-25-6V	5-5, 5-7, 19-27, 20-33
TO-25-6X	5-5, 5-5, 5-7, 20-33
TO-25-7	5-5, 5-7, 20-35
TO-25-8	5-5, 5-7, 5-9, 5-24, 20-36
TO-25-9	14-13, 20-30
TR-7	5-3, 5-5, 5-7, 5-9, 5-11, 5-15, 5-17, 5-21, 5-23, 20-28
TR-7-1	11-11, 11-15, 20-28
TR-7-2	20-28
TR-7-3	14-9, 20-28
TR-7-5	20-28
TRA-3244	14-9, 14-15, 14-9, 14-15

Tri Part #	Page #
TS-6	5-3, 5-5, 5-7, 5-9, 5-11, 5-15, 5-17, 5-21, 5-23, 11-13, 20-29
TS-6-1	11-3, 12-3, 20-29
TS-6-2	20-29
TS-6-3	20-29
TS-6-4	20-29
TS-6-5HP	20-29
TW-2	5-11, 5-17
TW-2-1	5-11
TW-2-10	4-3, 4-13, 5-3, 5-5, 5-15, 5-17, 20-40
TW-2-110	5-7, 5-21, 20-39
TW-2-12	16-3, 20-3
TW-2-120	5-7, 5-21, 20-39
TW-2-12A	14-3, 14-13, 20-47
TW-2-12K	14-3, 14-13
TW-2-13	20-48
TW-2-130	5-7, 5-21, 20-39
TW-2-14	20-3
TW-2-14K	14-3, 14-13
TW-2-15	20-47
TW-2-17	14-19, 20-2
TW-2-18	5-24, 20-4
TW-2-2	5-15, 5-17
TW-2-20	4-3, 4-13, 5-3, 5-5, 5-15, 5-17, 20-40
TW-2-21	12-17, 14-7, 20-3
TW-2-210	5-9, 20-39
TW-2-22	5-9, 5-24, 19-41, 20-4
TW-2-220	5-9, 20-39
TW-2-23	2-2, 20-5

INDEX

Tri Part #	Page #
TW-2-230	5-9, 20-39
TW-2-24	2-2, 20-47
TW-2-25	20-3
TW-2-26	20-4
TW-2-3	5-3, 5-5
TW-2-30	4-3, 4-13, 5-3, 5-5, 5-15, 5-17, 20-40
TW-2-4	5-7, 5-21, 5-23, 6-59, 7-30, 12-13, 13-7, 17-19, 18-5, 20-4
TW-2-5	14-15, 20-2
TW-2-5K	14-3, 14-9, 14-13, 14-15, 14-17
TW-2-6	14-15, 20-47
TW-2X	5-11, 6-7, 6-23, 6-25, 19-44, 20-39
TW-2X10	5-11, 6-7, 6-23, 6-25, 20-39
TW-2X30	5-11, 6-7, 6-23, 6-25, 20-39
TW-3	5-11
TW-3-1	10-9
TW-3-10	5-5, 5-7
TW-3-2	5-15
TW-3-3	4-3, 5-3, 5-5, 5-11, 5-17, 10-3
TW-3-5	14-11, 14-17, 14-19, 14-21
TW-3-6	14-11, 14-17, 14-19, 14-21
TW-3-7	5-21
TW-3-8	5-3, 5-5, 5-7
TW-3-9	5-21
TW-4	5-11

Tri Part #	Page #
TW-4-11	5-21
TW-4-11A	5-21
TW-4-12	5-21
TW-4-13	5-3, 5-5, 5-7, 5-9
TW-4-14	5-5, 5-7
TW-4-15K	14-11, 14-17, 14-21
TW-4-19	5-23
TW-4-1A	5-15
TW-4-2	5-11, 5-17
TW-4-20	5-24
TW-4-21	5-24
TW-4-4	5-3, 5-5, 5-7
TW-4-5	14-9, 14-15
TW-4-6	14-11, 14-17, 14-21
TW-9-010	5-19, 5-21, 7-9, 7-37, 20-38
TW-9-020	5-19, 5-21, 7-9, 7-37, 20-39
TW-9-030	5-19, 5-21, 7-9, 7-37, 20-39
TW-9-10	14-9
TW-9-11	14-11, 14-21
TW-9-13	5-5, 5-7, 5-9, 20-3
TW-9-14	5-5, 5-7, 20-38
TW-9-15	5-5, 5-9, 5-25
TW-9-15B	5-5, 5-9, 5-25
TW-9-17	6-56, 12-17, 14-7, 14-19
TW-9-17B	14-19
TW-9-18	5-19
TW-9-20	5-19
TW-9-21	5-19
TW-9-21HD	5-19
TW-9-22	5-19

Tri Part #	Page #
TW-9-23	5-23
TW-9-23A	5-23
TW-9-24	5-28, 20-2
TW-9-25	5-19
TW-9-26	5-19
TW-9-27	2-2, 20-2
TW-9-28	2-2, 20-47
TW-9-29	2-2, 20-47
TW-9-3	5-13
TW-9-30	5-9, 5-25
TW-9-4	5-13, 5-15
TW-9-5A	5-13, 5-15, 7-40, 7-45
TW-9-5AF	6-31
TW-9-5B	5-13, 5-15, 7-40, 7-45
TW-9-5C	5-13, 5-15
TW-9-6	5-19, 20-4
TW-9-7A	5-3
TW-9-7B	5-3
TW-9-7C	5-3
TW-9-8	5-19, 5-21, 20-4
TX-10-2	5-13, 5-15
TX-10-3	5-13
TX-10-4	5-13, 5-19, 5-21
TX-10-6	5-3, 5-5, 5-7
TX-10-8	5-28, 20-7
TX-11	5-13, 5-15, 6-37
TX-12-1	20-26
TX-12-10	5-28, 20-27
TX-12-2	5-9, 5-11, 5-17, 5-21, 5-24, 20-27
TX-12-3	20-27
TX-12-4	6-56, 14-3, 14-7, 14-9, 14-11, 14-13, 14-17, 14-19, 14-21, 20-27

INDEX

Tri Part #	Page #
TX-12-4L	20-27
TX-12-5	12-17, 20-26
TX-12-6	5-23, 20-27
TX-12-7	5-24, 20-26
TX-12-8	5-27
TX-12-9	5-27, 20-27
TX-12L	5-3, 5-5, 5-7, 5-11, 5-15, 20-27
TX-12S	5-11, 5-15, 20-27
TX-13-1017HT	5-3
TX-13-1030HT	5-3
TX-13-11HT	14-11
TX-13-12HT	14-9
TX-13-13HT	5-5, 5-7
TX-13-14HT	5-5, 5-7
TX-13-15HT	14-21
TX-13-16HT	14-17
TX-13-17HT	14-15
TX-13-18HT	14-13
TX-13-19HT	14-17
TX-13-1S	5-13
TX-13-24M	14-11
TX-13-28HT	5-21
TX-13-29HT	5-21
TX-13-2S	5-15
TX-13-2Y	5-15
TX-13-2Y	10-9
TX-13-32HT	14-19
TX-13-33HT	14-3
TX-13-34HT	14-7
TX-13-35HT	14-7, 14-19
TX-13-37HT	14-5, 14-19
TX-13-38HT	5-23
TX-13-3S	5-13, 5-15
TX-13-3Y	10-9
TX-13-41HT	5-9
TX-13-42HT	5-24
TX-13-43HT	5-27
TX-13-4S	5-13
TX-13-5S	5-13
TX-13-6S	5-19

Tri Part #	Page #
TX-13-7S	5-19
TX-13-8SHT	5-3
TX-13X	5-15
TX-14	5-11
TX-14-10	14-11, 14- 15, 14-17, 14-19, 14-21
TX-14-11	5-3
TX-14-12	14-3, 14-13
TX-14-13	14-7
TX-14-3	5-15
TX-14-4	5-11
TX-14-5	5-11, 5-17, 5-21
TX-14-6	5-11, 5-17, 5-21, 5-23
TX-14-7	5-3, 5-5, 5-7
TX-14-8	14-9
TX-15	5-11
TX-15-1	5-15
TX-15-2	5-11
TX-15-3	5-15
TX-15-4	5-11, 5-15, 5-17, 5-21
TX-15-5	5-11, 5-17, 5-21
TX-15-6	5-3, 5-5, 5-7
TX-15-7	5-3, 5-5, 5-7
TX-17	5-13
TX-20	5-11
TX-20-1	5-15
TX-20-2	5-11, 5-17
TX-21-1005	20-46
TX-21-1005NR	20-46
TX-21-972	20-46
TX-21-972NR	20-46
TX-22-10	5-28
TX-22-131	5-19, 5-21
TX-22-7	5-3
TX-22-7015	20-46
TX-22-7015NR	20-46
TX-22-786	5-3, 5-5, 20- 46

Tri Part #	Page #
TX-22-786NR	5-3, 5-5, 20- 46
TX-22-7915	12-9, 12-11, 12-13, 20-46
TX-22-7915NR	20-46
TX-22-840	5-7, 5-9, 20- 46
TX-22-840NR	5-7, 5-9, 20- 46
TX-22-846	20-46
TX-22-846NR	20-46
TX-22-855	20-46
TX-22-855NR	20-46
TX-22-878	5-19, 5-21, 6-15, 20-46
TX-22-878NR	5-19, 6-15, 20-46
TX-22-8907	20-46
TX-22-8907NR	20-46
TX-22-985	5-21, 20-46
TX-22-985NR	20-46
TX-22WA	5-13, 5-19
TX-22WB	5-13, 5-19
TX-22WC	5-21
TX-22WD	5-13, 5-19
TX-22WG	5-13
TX-22WL	5-13, 5-15
TX-22WM	5-13, 5-15
TX-22WS	5-15
TX-22X	11-27, 20-20
TX-22XK	5-19, 5-21
TX-23-1	5-13, 5-15
TX-23-1054	20-46
TX-23-1054NR	20-46
TX-23-11	20-20
TX-23-12	20-19
TX-23-13	20-20
TX-23-14	20-20
TX-23-15	20-18
TX-23-16	20-18
TX-23-17	20-19
TX-23-17K	1-8, 8-5
TX-23-17M	5-9, 20-19

INDEX

Tri Part #	Page #
TX-23-17MHC	5-25
TX-23-17MK	5-25
TX-23-17X70MHC	5-25
TX-23-17X70MK	5-25
TX-23-18	20-19
TX-23-19	5-23, 20-20
TX-23-19M	20-20
TX-23-19MK	5-23
TX-23-20	20-18
TX-23-21	20-19
TX-23-21K	14-5
TX-23-24	20-19
TX-23-25	20-19
TX-23-25K	5-19
TX-23-26	20-23
TX-23-26K	5-28
TX-23-27	20-23
TX-23-27K	5-28
TX-23-31M	20-20
TX-23-32	20-20
TX-23-33	20-21
TX-23-34	5-25
TX-23-35	20-19
TX-23-35M	20-19
TX-23-4	20-20
TX-23-5	20-18
TX-23-5K	5-5
TX-23-6	20-18
TX-23-6K	14-21
TX-23-9	20-19
TX-23X	20-20
TX-23XK	5-19
TX-24-1	5-5, 5-19
TX-24-10	5-7
TX-24-11	5-28, 20-13
TX-24-12	5-27
TX-24-13	5-27
TX-24-14	5-7
TX-24-15	20-13
TX-24-2	5-5
TX-24-4	5-5

Tri Part #	Page #
TX-24-5	5-5
TX-24-559	5-5, 5-7, 20-46
TX-24-559NR	20-46
TX-24-5N	5-5
TX-24-6	5-5
TX-24-7	5-5
TX-24-8	5-7
TX-24-9	5-7
TX-24B	5-19, 5-21
TX-24G	5-21
TX-24R	5-19, 5-21
TX-24W	5-19, 5-21
TX-26-1	5-21
TX-26-11	5-7, 20-22
TX-26-11RB	5-7
TX-26-12	14-17, 14-19
TX-26-13	14-7
TX-26-15	14-13
TX-26-2	5-19
TX-26-4	5-19, 5-21, 20-22
TX-26-4RB	5-19, 5-21
TX-26-7	14-19, 20-22
TX-26-7K	14-11
TX-26-8	14-11
TX-26-9	20-22
TX-26-9	5-5
TX-26-9RB	5-5
TX-5-10	5-3
TX-5-5	5-17
TX-5-518	5-21
TX-5-55	5-17
TX-5-59	5-3
TX-5-6	5-17
TX-5-8	5-3
TX-8-1	5-11
TX-8-4	5-17
TX-8-5	5-3
VB-18	18-3, 20-8
VB-18-1	20-8
VB-18-2	18-7
VC-6-1	10-8

Tri Part #	Page #
VC-6-1	18-5, 18-7, 19-6, 19-12, 19-24, 19-44, 20-43
VH-1-3GRC	18-5, 18-7
VH-1-4FLG	1-6
VH-1-6FLG	1-11
VH-1FLG	18-3
VH-1G	18-3
VO-25-1	14-7, 18-7, 20-33
VO-25-2	18-7, 20-36
VO-25-3	1-6, 20-34
VO-25-4	1-10, 20-34
VO-25-5	1-10, 20-33
VR-7	18-3, 20-28
VS-6	18-3, 20-29
VW-2	18-3
VW-2-10	4-17, 18-3, 19-3, 19-5, 19-12, 20-39
VW-2-20	19-3, 19-5, 19-12, 20-39
VW-2-3	19-3, 20-3
VW-2-30	19-3, 19-5, 19-12, 20-39
VW-3	18-3, 18-3
VW-3-080	18-3
VW-4-5	18-5
VW-4-6	1-6
VW-4AB	18-3, 18-3
VW-9	18-3
VW-9-2	20-38
VW-9-3	18-3
VW-9-5	18-7
VW-9-7	18-7
VX-12	18-3, 20-26
VX-12-1	20-27
VX-12-1	1-9
VX-13-3HT	18-5
VX-13-4HT	18-7
VX-13-5HT	1-9
VX-13HT	18-3

INDEX

Tri Part #	Page #
VX-14	18-3
VX-23	18-3
VX-23-1	18-7
VX-23-2	1-10
VX-23-3	1-10
VX-23-4	1-10, 20-13
VX-23-5	1-10
VX-23-6	1-10
VX-5	18-3
WB-18B	4-3
WB-18BS	20-9
WC-6	4-3, 20-43
WH-1-10G	4-13, 4-10
WH-1-11G	4-10
WH-1-12G	4-10
WH-1-13G	4-3, 4-7, 19-46
WH-1-14G	4-7
WH-1-15G	4-10
WH-1-17G	4-3, 4-10
WH-1-18G	4-18
WH-1-1G	4-7, 4-13
WH-1-20G	4-18
WH-1-21FLG	4-18
WH-1-22G	4-3, 10-3
WH-1-3G	4-3
WH-1-4G	4-13
WH-1-5G	4-3, 4-10, 4-13
WH-1-6G	4-7, 4-10
WH-1-7G	4-3
WH-1-9G	4-3
WH-1AG	4-13
WH-1TBG	10-5
WW-2	4-9, 4-11, 4-13
WW-2-1	4-3, 4-3, 4-13
WW-22TB	4-5
WW-2-3	4-3, 4-9, 4-11, 4-13
WW-2-4	4-7, 19-45
WW-2-5	4-3

Tri Part #	Page #
WW-2-5A	4-3
WW-2-8	4-7, 20-47
WW-3	4-7
WW-4	4-3, 4-11, 4-13
WW-4-3	4-13
WW-4-5	4-7
WW-4-6	4-7, 4-7
WW-4-8	5-27, 5-30, 10-3
WW-4B	4-3, 4-13
WW-9	4-5, 4-15
WW-9-1	4-5, 4-15, 7-23, 20-38
WW-9-10	10-3
WW-9-3A	4-9
WW-9-3B	4-9
WW-9-4	4-9
WW-9-5	4-9, 20-39
WW-9-7A	4-5, 4-11, 4-15, 5-13
WW-9-7B	4-5, 4-11, 4-15, 4-20, 5-13
WW-9-8	4-5, 4-11
WW-9-9	10-3
WX-10	4-5
WX-10-1	4-5, 20-27
WX-10-10	4-9, 20-7
WX-10-1A	4-5
WX-10-2	4-5, 4-15, 20-7
WX-10-3	4-5, 4-11, 4-15, 20-7
WX-10-4	4-5
WX-10-6	4-5
WX-10-7	4-9, 20-7
WX-10-8	4-5, 4-11, 4-15, 20-7
WX-10-9	4-9, 4-11, 20-7
WX-11	4-5
WX-11G	4-5

Tri Part #	Page #
WX-12	4-5, 4-9, 4-11, 4-15, 20-26
WX-12A	4-5, 4-9, 4-11, 4-15, 7-35, 7-37, 7-39, 7-47, 11-5, 12-3, 20-26
WX-12B	4-5, 11-5, 11-11, 11-15, 20-26
WX-12BS	4-5, 7-19, 11-11, 11-15, 20-26
WX-12S	20-26
WX-13-10HT	4-15, 4-10
WX-13-12HT	4-3
WX-13-13HT	4-3, 4-10
WX-13-14HT	4-3
WX-13-15	4-5
WX-13-17	4-5, 4-9, 4-11, 4-15
WX-13-1EHT	4-9
WX-13-22	4-9, 4-11, 4-15, 4-17, 14-9
WX-13-23	4-9, 4-11, 4-15, 4-17
WX-13-26	4-9, 4-11, 4-15, 4-17, 17-11
WX-13-29	4-5, 4-9, 4-11, 4-15, 19-46
WX-13-2EHT	4-9
WX-13-2HT	4-15
WX-13-31HT	4-18
WX-13-33HT	10-3
WX-13-3HT	4-15, 4-10
WX-13-4HT	4-15
WX-13-5HT	4-3
WX-13-6HT	4-3
WX-13-6SHT	4-3
WX-13-7EHT	4-9

INDEX

Tri Part #	Page #
WX-13-7HT	4-3, 4-15, 4-10
WX-13-8EHT	4-9
WX-13-8HT	4-3, 4-15, 4-10
WX-13-9EAHT	4-9
WX-13-9HT	4-3, 4-15, 4-10
WX-14	4-7, 4-11, 4-13
WX-14-1	4-3, 4-11, 4-13, 10-3
WX-14-2	4-3
WX-14-3	4-3
WX-14-4	4-7
WX-14-5	4-7
WX-14-6	4-7
WX-14-8	10-3
WX-15	4-3
WX-17-19	4-5, 4-9, 4-11, 4-15
WX-17-19X	4-5, 4-9, 4-11, 4-15, 4-17, 6-5
WX-17-35	4-11
WX-17-41	4-15
WX-17N	4-5
WX-19	4-7, 4-11, 4-13
WX-19-1	4-3, 4-13
WX-21-11JK	4-7
WX-21-11K	4-3, 4-7, 4-11, 4-13
WX-21-11SK	4-7, 4-13
WX-21R	4-13
WX-21RS	4-13
WX-21TA	4-7, 4-11, 4-13
WX-21TB	4-13
WX-21TX	4-3
WX-22-1	5-30
WX-22-100K	4-5, 10-12
WX-22-100KHT	4-5
WX-22-100P	4-5, 10-12

Tri Part #	Page #
WX-22-100PHT	4-5
WX-22-100R	4-5, 10-12
WX-22-115	4-5
WX-22B	4-15
WX-22BWK	4-5
WX-22T	4-5, 4-15
WX-22TA	4-5, 4-11
WX-22TC	4-5
WX-22TE	4-9
WX-8	4-15
WX-8-1	4-5
WX-8-11K	4-5, 4-9, 4-11, 4-15
WX-8R	4-5, 4-11, 4-15
XN3901666	10-14
YC-6	10-8
YC-6	11-23, 11-27
YC-6-1	17-21
YC-6-2	20-43
YC-6-3	1-7, 1-11
YC-6-4	20-43
YH-1-11FLG	17-17
YH-1-12FLG	17-17
YH-1-13FLG	17-15
YH-1-14FLG	1-3
YH-1-15GRC	1-4
YH-1-16FLG	1-4
YH-1-22FLG	2-2
YH-1-23FLG	2-2
YH-1-3G	4-17, 17-3, 17-7, 17-11, 17-13, 17-15, 17-19
YH-1-44FLG	17-5, 17-21
YH-1-55FLG	17-19
YH-1-5G	4-17, 17-5
YH-1-5GRC	17-21
YH-1-66FLG	17-3, 17-7, 17-13
YH-1-6G	4-17, 17-9
YH-1-77FLG	17-9

Tri Part #	Page #
YH-1-7G	17-17
YH-1-8G	17-17
YO-25-1	1-4, 1-9, 14-5, 17-13, 17-15, 17-19, 17-21, 20-35
YO-25-11	17-7, 17-13, 20-36
YO-25-12	1-4, 17-5, 17-7, 17-13, 17-19, 17-21, 20-36
YO-25-13	1-9, 20-36
YO-25-14	20-34
YO-25-15	20-34
YO-25-16	20-35
YO-25-17	20-35
YO-25-2	1-4, 17-5, 17-7, 17-13, 17-19, 17-21, 20-36
YO-25-3	17-7, 20-35
YO-25-4	17-5, 20-35
YO-25-5	17-15, 17-17, 20-36
YO-25-7	1-3, 20-35
YO-25-8	1-3, 20-36
YO-25-9	1-5, 20-34
YR-7	20-28
YR-7-1	8-3, 11-9, 20-28
YS-6	20-29
YS-6-1	8-3, 11-9, 20-29
YW-2	14-5, 17-3, 17-5, 17-7, 17-9, 17-11, 17-13, 17-19, 17-21, 20-47
YW-2-10	17-19, 20-4
YW-2-11	1-3, 20-4
YW-2-12	1-3
YW-2-13	1-3, 20-47

INDEX

Tri Part #	Page #
YW-2-14	1-3, 20-47
YW-2-15	1-3, 20-4
YW-2-16	14-5, 17-3, 17-7, 17-9, 17-17, 17- 21, 20-3
YW-2-17	1-4, 20-47
YW-2-18	1-4, 20-6
YW-2-18K	1-4
YW-2-19	1-4, 20-49
YW-2-20K	1-4
YW-2-21	1-4, 20-3
YW-2-21K	1-4
YW-2-22	1-9, 20-4
YW-2-23	1-9, 20-6
YW-2-24	1-9, 20-49
YW-2-25	1-9, 20-47
YW-2-26	20-6
YW-2-27	20-5
YW-2-28	20-49
YW-2-29	20-49
YW-2-30	20-5
YW-2-31	20-6
YW-2-32	20-49
YW-2-33	20-48
YW-2-3BK	17-17
YW-2-4	14-5, 17-3, 17-5, 17-7, 17-9, 17-11, 17-13, 17- 17, 17-21
YW-2-5	17-19, 20-47
YW-2-6	17-17, 20-47
YW-2-7	17-15, 20-4
YW-2-8	17-19, 20-47
YW-2-9	17-19, 20-3
YW-2BK	14-5, 17-3, 17-5, 17-7, 17-9, 17-11, 17-13, 17-21
YW-4-12	1-3
YW-4-13	14-5, 17-21
YW-4-16	2-2
YW-4-3	17-9

Tri Part #	Page #
YW-4-4	17-9
YW-4-5	17-3, 17-5, 17-5, 17-7, 17-11, 17- 11, 17-13, 17-13
YW-4-6	17-7
YW-4-7	17-19
YW-9-2	17-3, 17-11, 17-13
YW-9-3	17-9
YW-9-4B	1-4, 14-5, 17-5, 17-7, 17-19, 17-21
YW-9-4K	1-4, 14-5, 17-5, 17-7, 17-7, 17-19, 17-21
YW-9-5	1-3, 17-17
YW-9-6	14-5, 17-7, 17-19, 17- 21, 20-2
YW-9-7	14-5, 17-7, 17-19, 17- 21, 20-47
YW-9-8	1-5
YX-10	17-7, 17-13, 17-21
YX-10-1	1-5, 17-3, 17-5, 17-7, 17-13, 17- 17, 17-21, 20-7
YX-10-2	17-15, 17- 19, 20-7
YX-12	17-3, 17-13, 17-17, 17- 19, 20-27
YX-12-1	20-27
YX-12-2	20-26
YX-12L	17-5, 17-7, 17-9, 17-11, 17-15, 20-27
YX-13-10HT	17-22
YX-13-11HT	17-22

Tri Part #	Page #
YX-13-12HT	1-3
YX-13-1HT	17-7
YX-13-26	17-3, 17-5, 17-7, 17-9
YX-13-2HT	17-13
YX-13-3HT	17-3, 17-11
YX-13-4HT	17-9
YX-13-5HT	17-9
YX-13-6HT	17-15
YX-13-7HT	17-19
YX-13-9HT	17-22
YX-14-3	17-3, 17-5, 17-7, 17-9, 17-11
YX-14-5	17-13, 19-3
YX-17	17-13
YX-17-1	2-2
YX-22-1	2-2
YX-23-1	20-19
YX-23-10	20-19
YX-23-11	20-20
YX-23-11K	17-15
YX-23-12	20-19
YX-23-12HC	9-2
YX-23-12K	9-2
YX-23-12X70HC	9-2
YX-23-12X70K	9-2
YX-23-13	17-19
YX-23-14	17-17
YX-23-17	20-20
YX-23-17K	1-3
YX-23-18	20-19
YX-23-19	20-18
YX-23-19K	11-3, 17-5
YX-23-1K	6-21, 17-13
YX-23-2	17-5, 20-18
YX-23-20	20-20
YX-23-20K	1-4
YX-23-20X70K	1-4
YX-23-21	20-20
YX-23-21K	1-9
YX-23-22	20-20
YX-23-23	20-21

INDEX

Tri Part #	Page #
YX-23-23KK	2-2
YX-23-24	20-20
YX-23-25	20-18
YX-23-26	20-19
YX-23-3	6-23, 6-41, 20-19
YX-23-3K	5-7, 6-21, 17-7
YX-23-4	17-5
YX-23-5	17-7
YX-23-6	17-13
YX-23-7	20-20
YX-23-70M	20-21
YX-23-7K	17-17
YX-23-8	20-20
YX-23-8K	17-19
YX-23-9	17-15
YX-26-1	2-2, 20-13
YX-26-1K	2-2
YX-26-2	2-2
YX-26-3	1-10, 20-13
YX-26-4	2-2
YX-26-5K	2-2
YX-26-7	20-13
ZB-18	20-8
ZB-18-2	20-8



Tri Component
Product Corporation
973 Brook Ave.
Bronx, New York
1 0 4 5 1 - 4 2 0 9

www.tricomponent.com
sales@tricomponent.com

800 FONE-TRI
800 366-3874
718 402-2400
Fax: 718 402-2345