

TRIGCOMPONENT

PRODUCTS CORPORATION

2020

TORQUE CONVERTER PARTS

(SEE LATE TORQUE CONVERTER CATALOG PAGES IN THE BACK OF THIS CATALOG)

VOLUME
1 & 2

**TRI COMPONENT PRODUCTS CORP.
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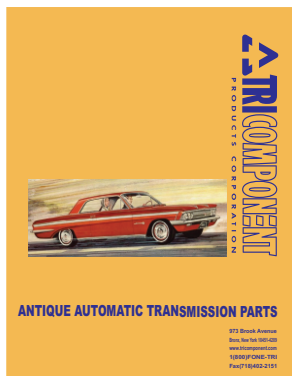
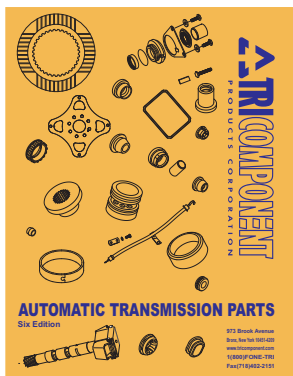
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Get these twelve great catalogs from your Tri Pro!



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.

It is with great pride to announce that Tri Component has been awarded ISO 9001 certification. This will benefit you greatly in marketing your products to customers who require it, in addition to the quality levels we are expected to maintain.

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.

The Tri Torque Converter Parts catalog available on Internet & disc.

***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 satisfy himself 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.

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ENGINEERING NOTE:

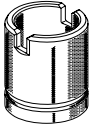
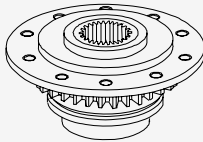
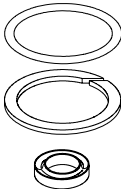
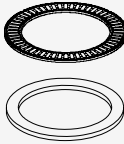
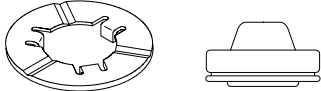
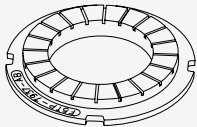
Throughout Tri Component publications you will find references to converter diameter. This dimension always refers to turbine diameter, which is consistent with engineering practice the world over.

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

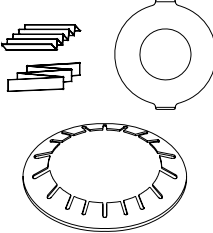
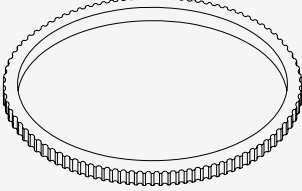
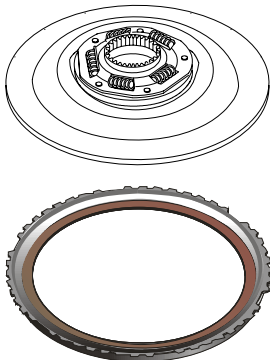
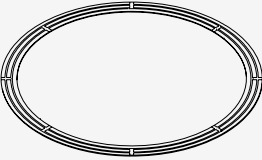
To avoid confusion, always measure the turbine diameter when using this catalog.

ADVENTURE IN TORQUE CONVERTER PARTS BY TRI COMPONENT

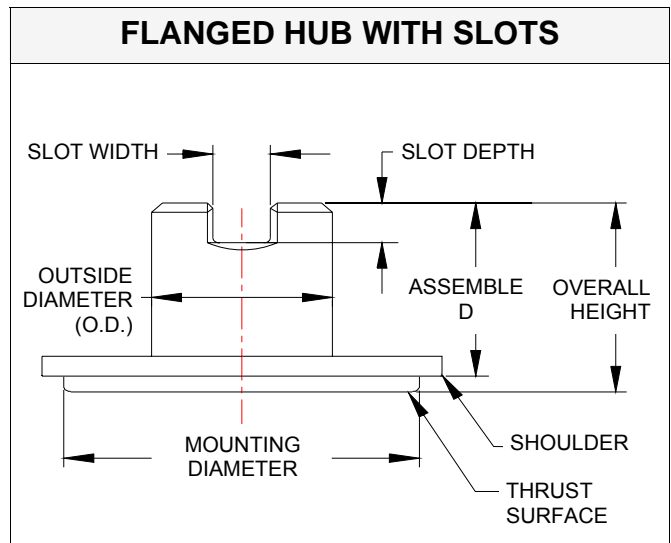
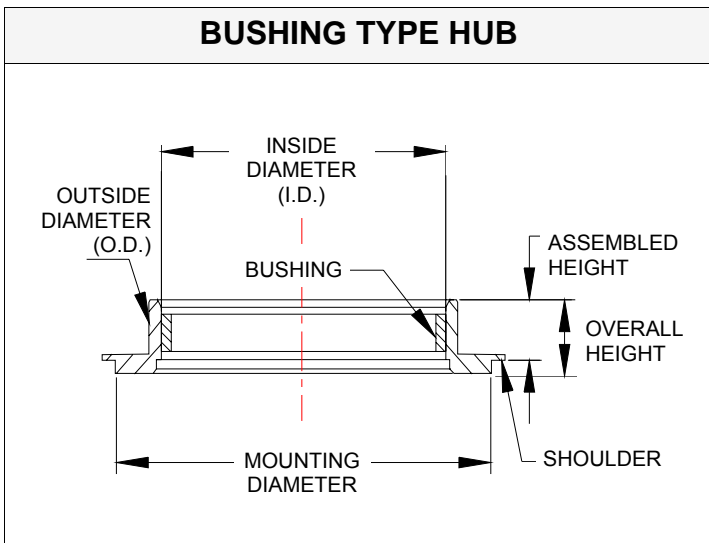
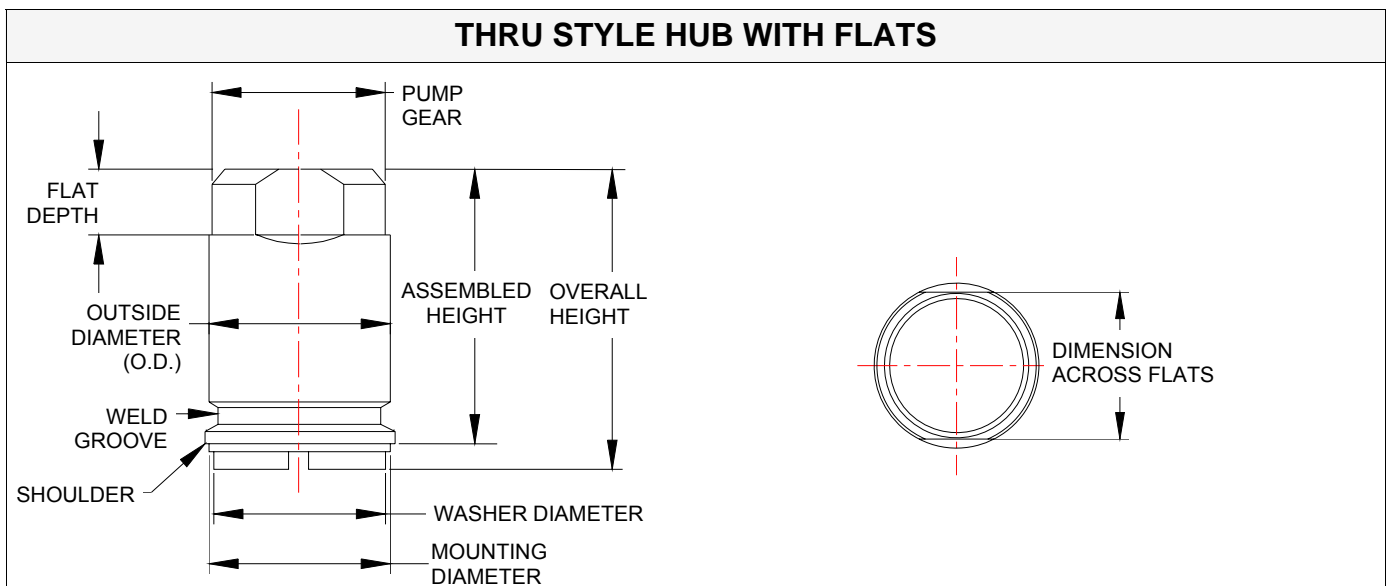
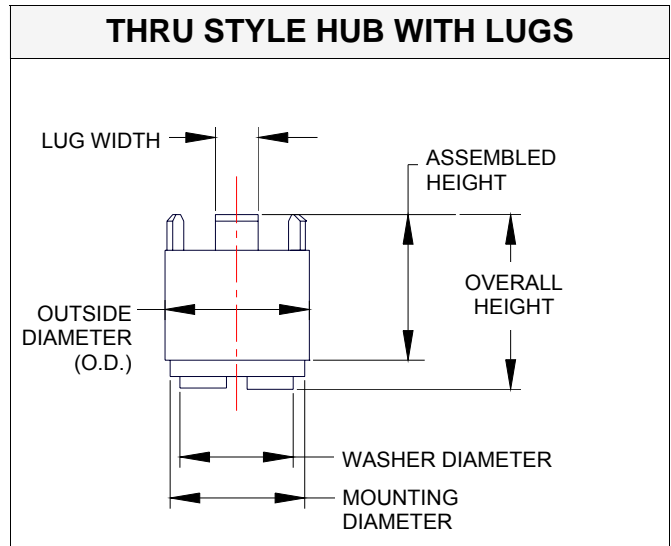
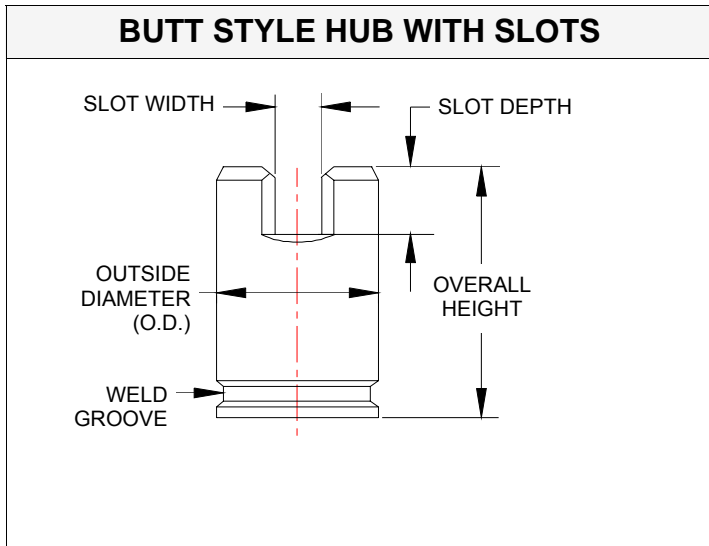
Over four decades of leadership and innovation have created an entire industry, solving the most difficult challenges daily. Our advanced research and production facility is dedicated to the converter rebuilder.

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

ADVENTURE IN TORQUE CONVERTER PARTS BY TRI COMPONENT

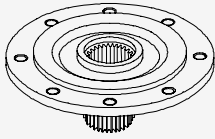
ILLUSTRATION	DESCRIPTION	RELATED PARTS
<p data-bbox="300 300 422 325">SPRINGS</p> 	<p data-bbox="552 321 1177 441">Tri is an OE approved accordion spring source, producing all applications, and is the innovator of many production methods. It is the only source for GM heat treated lockup wave springs -clearly superior.</p>	<p data-bbox="1226 321 1437 409">Rollers Coil Springs Diaphragm Springs</p>
<p data-bbox="276 615 446 640">RING GEARS</p> 	<p data-bbox="552 630 1047 688">The full line, including antiques and imports - high volume assures most favorable pricing.</p>	<p data-bbox="1226 630 1372 745">Ford Chrysler Borg Warner Japanese</p>
<p data-bbox="227 919 495 945">LOCKUP CLUTCHES</p> 	<p data-bbox="552 940 1161 1060">Complete new clutches in latest designs. Applications include Ford, Mercedes and Fichtel and Sachs. Customized price / delivery programs. Independently produced to assure continued availability.</p>	<p data-bbox="1226 940 1453 1029">Custom Bonding Damper Components Damper Assemblies</p>
<p data-bbox="243 1444 479 1470">LOCKUP LININGS</p> 	<p data-bbox="552 1438 1161 1533">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.</p> <p data-bbox="552 1564 1169 1690">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.</p> <p data-bbox="552 1722 1153 1837">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.</p>	<p data-bbox="1226 1438 1453 1501">Bonding Supplies Technical Assistance</p>

HUB TALK SM BY TRI COMPONENT

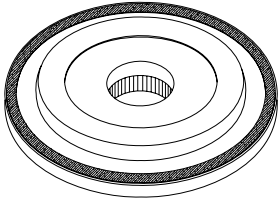


Tri will make your hub your way - any specification!


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
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Ask your Tri Pro for a supply of Core ExpressSM 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.

THE TRI COMPONENT PART NUMBERING SYSTEM

1 MAKE	2 DESCRIPTION	3 NO.	4 SUFFIX	
	T	X - 13	- 25	HT
B - Borg Warner 9-1/2"	H-1 - Impeller Hub	Starting from "1" to the next available number.	A - Alternate design or revision	
C - GM Powerglide	W-2 - Bearing, Race, Shim		B - Bronze, Black (Hubcap®)	
D - Chrysler Fluid Drive	W-3 - Washer, Stator		BU - Blue (Hubcap®)	
E - Citroen	W-4 - Stator Cap		F - Fibre	
F - Ford	X-5 - Stator		FL - Flanged (Hub)	
H - Mercedes	C-5 - Sprag		G - Finished (Hub)	
J - Jatco, Mazda, Japanese	S-6 - Spring		GRC - Finished and heat treated	
M - Industrial	R-7 - Roller		HT - Heat treated	
N - Honda	X-8 - Turbine		HD - Heavy duty	
P - Fichtel & Sachs	W-9 - Washer, turbine		K - Kit	
R - Renault	X-10 - Stud, Bolt, Mounting Pad		L - Long	
S - GM (Except PG)	X-11 - Drain Plug		M - Modulated (grooved) linings	
T - Chrysler, Mitsubishi	X-12 - Rivet		R -Red (Hubcap®)	
V - Volkswagen	X-13 - Turbine Hub		P - Plastic	
W - Borg Warner, BTR	X-14 - Inner Race		RB - Raybestos	
Y - Toyota	X-15 - Outer Race, Cam		RC - Heat treated	
Z - Fiat	X-17 - Pilot, Sleeve		RN - Orange (Hubcap®)	
	B-18 - Bushing		S - Special design, Steel	
	X-20 - Snap Ring		X70 - .070 Thickness (lining)	
	X-21 - Impeller		X - Unfinished	
	X-22 - Cover, Lining			
	X-22W -Weight		Additional:	
Exceptions:	X-23 - Pilot, Clutch, Lining		A thru G - Selective thickness (washers).	
B - Bolt	O-25 - Seal			
MHC - Hubcap®	X-26 - Floating Ring			
RG - Ring Gear				

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	10
Bushings	20
Conical Washers	10
Damper Springs	10
Drain Plugs	100
Bolts, Nuts & Studs	25
Fiber Washers	50
Friction Rings	.040 Thickness 100
	.070 Thickness 50
Hub Caps®	25 & 100
Inserts	25
O-Rings & Seals	25
Plastic Washers	10
Rivets	100
Rollers	100
Shims	25
Washers, Aluminum	10
Washers, Bi-Metal, Bronze	15
Wave Springs	25
Weights	25 & 100

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

SHOP SUPPLIES & TOOLS

PART NO.	DESCRIPTION / APPLICATION
TAPS, DIES & TOOLS	
MT-D1	M10-1 Rethreading Die - Ford AXOD, CD4E, AX4N/S
MT-D2	3/8"-24 UNF Rethreading Die - Ford RWD
MT-TC1	5/16"-24 UNF Bottoming Tap - Chrysler RWD
MT-TG1	3/8"-16 UNC Bottoming Tap - GM
MT-TG2	M10-1 Bottoming Tap - GM
10002	Rivet Setting Tool, Small Rivets
10003	Rivet Setting Tool, Large Rivets
ABRASIVE CLOTH - ECONOMY ROLLS	
MT-AC180	Abrasive cloth roll, 50 yards × 1", 180 grit
MT-AC320	Abrasive cloth roll, 50 yards × 1", 320 grit
LABELS, STICKERS & TAGS <i>(See Page 15 For Illustrations)</i>	
ML-1	“CAUTION! Use proper bolt length or lockup lining will be damaged.”
ML-2	“CAUTION! Fill converter with ATF before installation.”
ML-3	“CAUTION! For proper engagement converter must pull out of pump 1/8” to avoid gear damage!”
ML-4	“CAUTION! Transmission has critical pump and bell housing alignment procedure.”
ML-5	“CAUTION! Align pump gears before converter installation.”
ML-TS1	Timing sticker
SX-101	Warning Tag
<i>Custom designed labels upon request!</i>	
ASSEMBLY LUBE	
31295	Trans Jel® assembly lube, 1 Lb. tub
31295-12	Trans Jel® assembly lube, 12 1 Lb. tubs







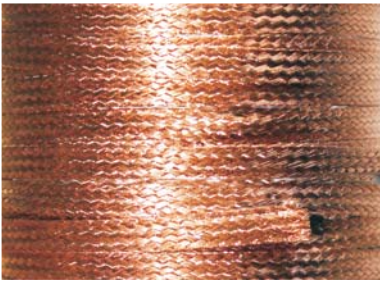
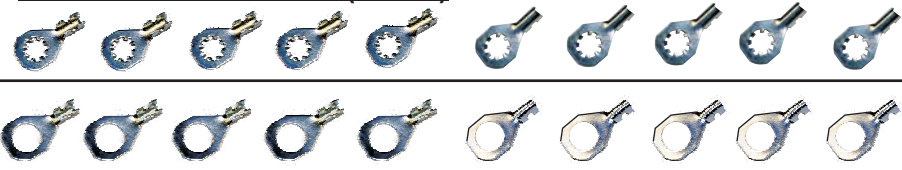
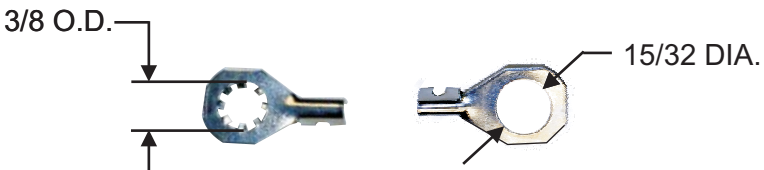
GROUND STRAPS

Now available:

The most complete line of OE quality groundstraps.

Featuring corrosion-free terminals & sharp star contact surfaces for maximum electrical efficiency.

Unequaled quality at unbeatable prices.

GROUND STRAP WITH TERMINALS		PART #	LENGTH
35756S 	35756A 	35756S	8"
35756 	35756B 	35756	13"
35756D 	35756C 	35756D	18"
		35756A	42"
		35756B	48"
		35756C	60"
GROUND STRAP WITHOUT TERMINALS		35756-10	10'
		35756-15	15'
		35756-20	20'
KIT OF 20 TERMINALS (10+10)		K35756-TMNL:	
		12004466 (10)	
		12004472 (10)	
			

SALES AND RETURN POLICY

All sales are for customer use in rebuilding only, not for resale.

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.*

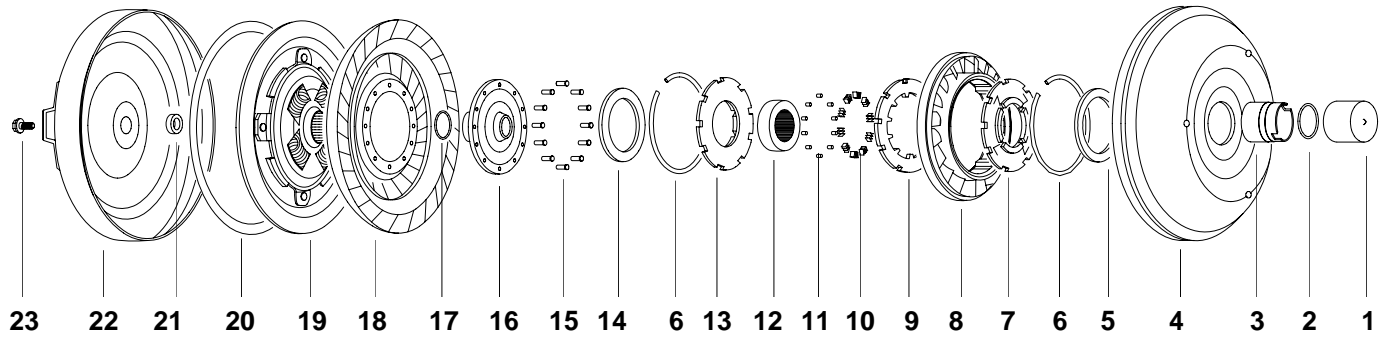
Non-resaleable items, friction products and obsolete design parts not acceptable. Restocking charges may apply.

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

*Sincerely,
The Tri Team*

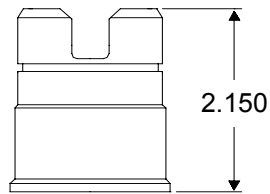
GENERAL MOTORS

GM 228mm SATURN



ILL. #3

IMPELLER HUB, 1.581" DIA.

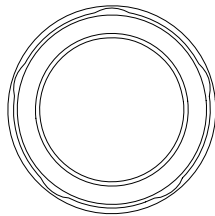


SH-1-29GRC

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

ILL. #5

BEARING



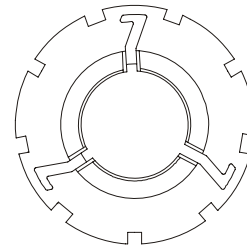
O.D. 3.37"
I.D. 2.49"
Thick. .15"

SW-2-11

Replaces O.E. Bearing or Phenolic Washer

ILL. #7

STATOR CAP



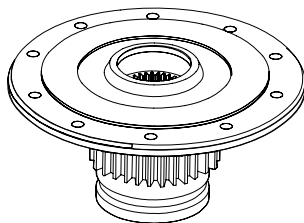
O.D. 4.02"
I.D. 1.80"
Thick. .25"

SW-4-20

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

ILL. #16

TURBINE HUB

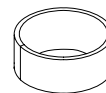


O.D. 4.08"
19 Int. Spline
30 Ext. Spline

SX-13-15HT

ILL. # 21

BUSHING



O.D. .72"
I.D. .57"
Height .30"

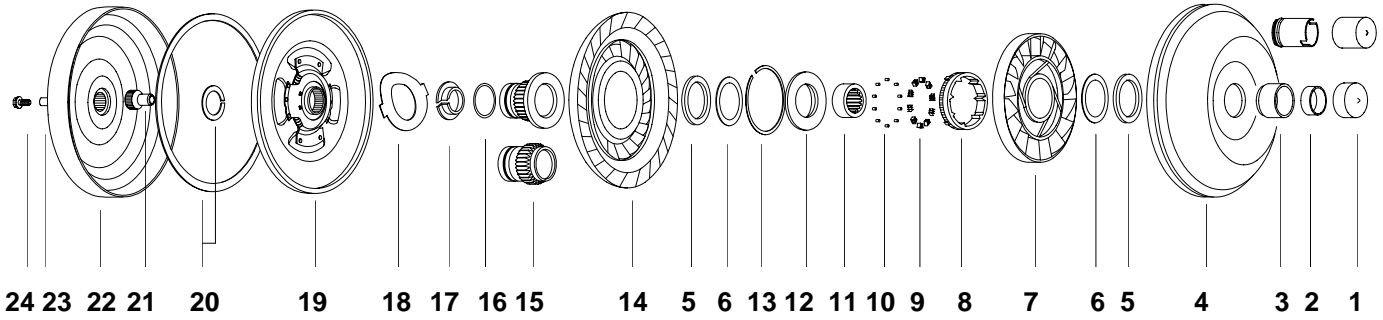
SB-18-4

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 Fluorocarbon, 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-23-31
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
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)
<p>SH-1-5G, A = 2.20" SH-1-16G, A = 2.08" SH-1-36G, A = 1.93"</p>	<p>SH-1-9G</p>	<p>SH-1-12G SH-1-32GRC SH-1-37GRC</p>
Flanged, TH125C, TH440-R4	Butt Mount, TH200C, TH700-R4	Flanged, TH700-R4(S-10)
<p>SH-1-17G</p>	<p>SH-1-19G, A = 2.25" SH-1-27G, A = 2.12"</p>	<p>SH-1-20GRC</p>
<p>Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36</p>		

ILL. #5 NEEDLE BEARING
<p>O.D. 3.37" I.D. 2.49" Thick. .15"</p> <p>SW-2-11</p>

ILL. #12 STATOR CAPS	
<p>O.D. 3.65" I.D. 1.58" Thick. .25"</p> <p>SW-4-8</p>	<p>O.D. 3.65" I.D. 1.93" Thick. .23"</p> <p>SW-4-9</p>

GM 245mm LOCKUP

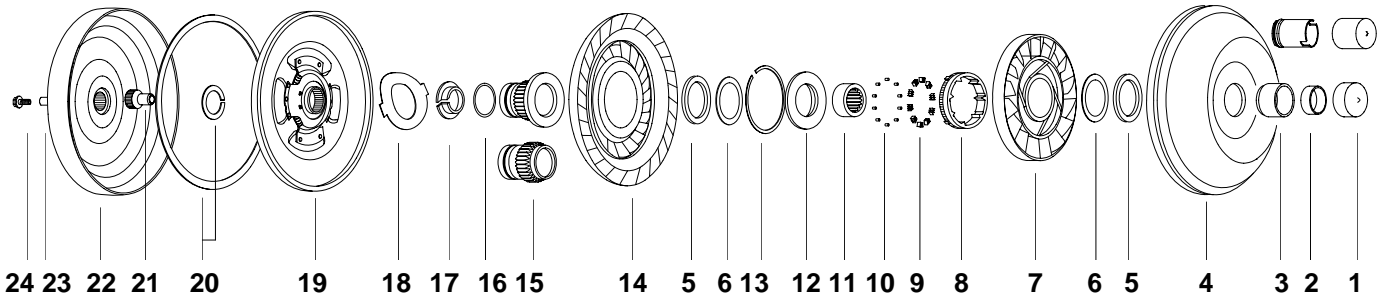
Models: 125C, 180C, 200C, 440-R4, 700-R4 (S-10 Only)

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-1-5G
		Butt Mount, TH180C		SH-1-16G
		Butt Mount, TH180C		SH-1-36G
		TH125C, TH440-R4		SH-1-9G
		Butt Mount, TH200C, TH700-R4		SH-1-12G
		Flanged, TH125C, TH440-R4		SH-1-17G
		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	Plastic		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			

Continued ➡

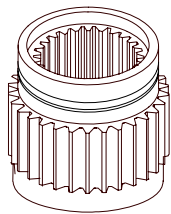
GM 245mm LOCKUP, Continued

Models: 125C, 180C, 200C, 440-T4, 700-R4 (S-10 Only)



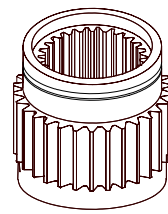
ILL. #15

TURBINE HUBS



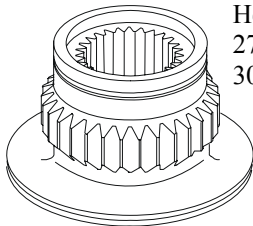
SX-13-27C

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



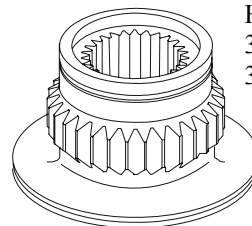
SX-13-30C

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

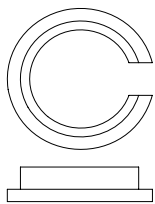


SX-13-30F

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

ILL. #17

TURBINE WASHER

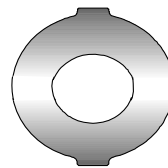


SW-9-11

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"

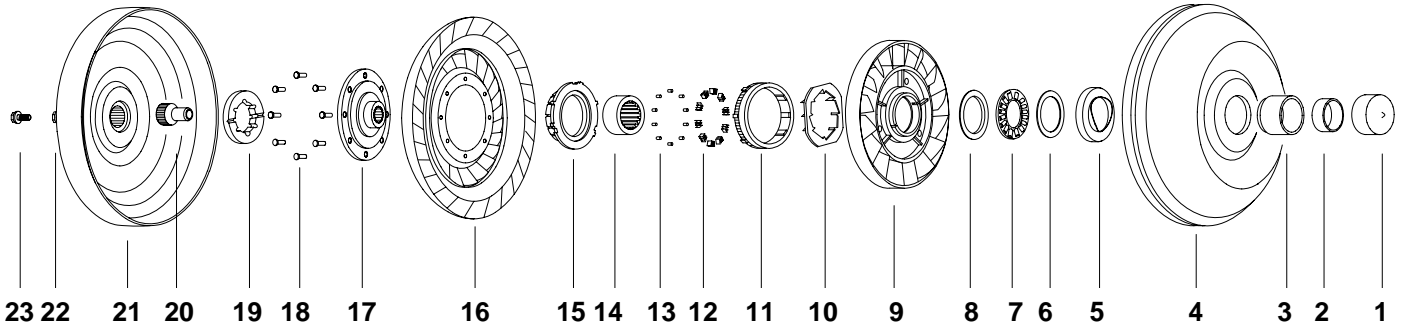
GM 245mm LOCKUP, Continued

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

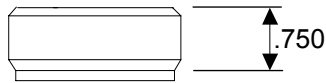
ILL.	DESCRIPTION	QTY.	PART #	
15	Turbine Hub	First Type, 27 Spline Plug, (30 Spline High Perf. SX-13-30C)	SX-13-27CHT	
		Flanged Retrofit, 27 Spline (30 Spline High Perf. SX-13-30F)	SX-13-27FHT	
N.I.	Fixture	Hub Installation	SX-13TK	
16	O-Ring	Fluorocarbon, Orange PTFE Coating, 1-1/4", I.D., 1/16" Thick	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 Assy., O.E. Style, Gasoline, No Valve	SX-23-22A	
		And Damper Assy., Diesel, With Valve	SX-23-22B	
		And Damper Assy., 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
		Damper Rivet	6	SX-12-5
		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
20	Lining	9" O.D., 7-3/4" I.D., .045" Thick	SX-23-13	
		For Viscous Damper, 9" O.D., 8-1/4" I.D., .045" Thick	JX-23-3	
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
	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	
24	Bolt	Hex Head, M10 × 1.5 × 15mm Long, O.E. # 01261968	B-78	

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

GM 254mm TH125, NON-LOCKUP



ILL. #3 IMPELLER HUB, 1.750" DIA.

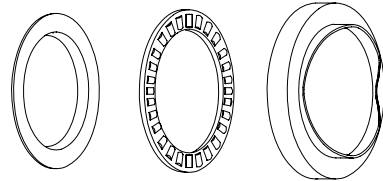


SH-1-1G

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

ILL. # 8,7,5 BEARING & RACES

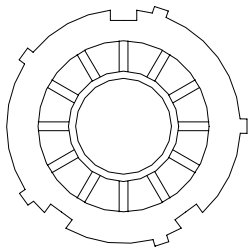
O.D. 2.06"	O.D. 2.18"	O.D. 2.25"
I.D. 1.54"	I.D. 1.50"	I.D. 1.44"



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

SW-2-3K

ILL. #15 STATOR CAP

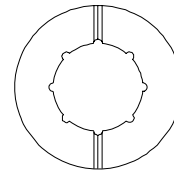


O.D. 3.74"
I.D. 1.52"
Thick. .52"

SW-4-3

Improved Design

ILL. #19 TURBINE WASHERS



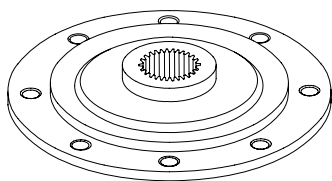
O.D. 2.44"
I.D. 1.32"

SW-9-7, Thick. .17"

SW-9-8, Thick. .20"

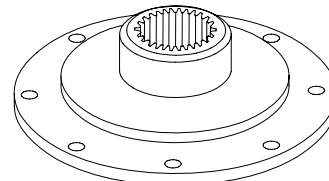
SW-9-9, Thick. .22"

ILL. #17 TURBINE HUBS



O.D. 4.44"
27 Spline

SX-13-2HT




O.D. 4.44"
30 Spline

SX-13-12HT

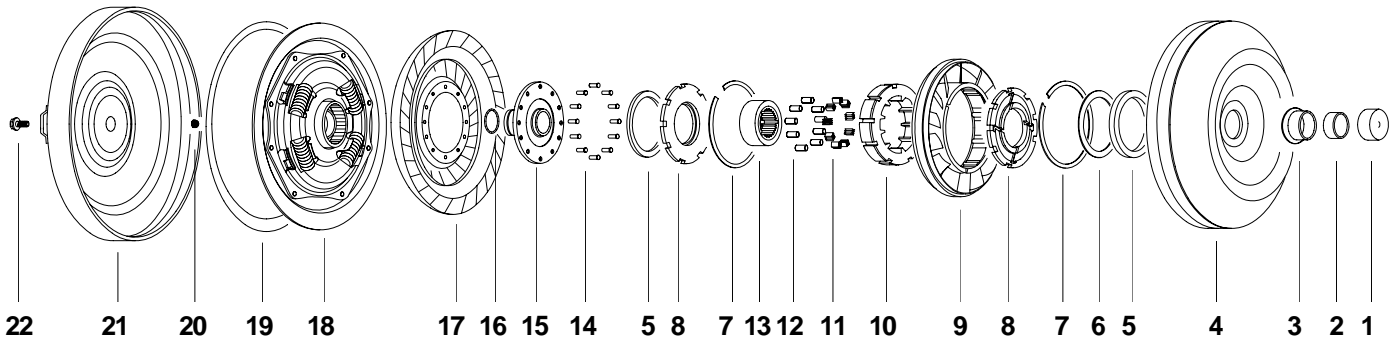
High Performance

GM 254mm TH125, NON-LOCKUP

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap®		MHC-P
2	Bushing, Hub		SB-18-1
3	Hub, Impeller		SH-1-1G
4	Impeller		
5	*Race, Outer		SW-2-4
6	Shim		SW-2-30
			SW-2-60
7	*Bearing		SW-2-1
			SW-2-1HD
8	*Race, Inner		SW-2-6
9	Stator		SX-5-6
10	Retainer		SX-15-2
11	Cam		SX-15-1
12	Spring, Accordion	10	SS-6-1
13	Roller	10	SR-7-1
14	Race, Stator		SX-14-2
15	Cap, Stator		SW-4-3
16	Turbine		
17	Turbine Hub		SX-13-2HT
			SX-13-12HT
18	Rivet	8	SX-12
		8	FX-12L
19	Washer, Turbine		SW-9-7
			SW-9-8
			SW-9-9
N.I.	Shim		TW-9-010
			TW-9-020
			TW-9-030
20	Insert, Spline		SX-22X
21	Cover, Front		SX-22-8
22	Boss, Mounting	3	SX-10-6
23	Bolt	3	B-79

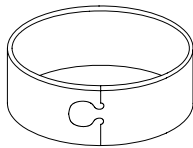
*NOTE:  SW-2-4
 SW-2-1
 SW-2-6 Bearing And Race Kit, **SW-2-3K**
 Heavy Duty, **SW-2-3KHD** (Contains **SW-2-1HD**)

GM 258mm LOCKUP, 4T65E



ILL.#2

BUSHING

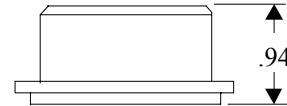


SB-18-2

I.D. 1.44"
Height .626"

ILL. #3

IMPELLER HUB, 1.789" DIA.

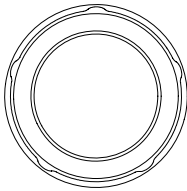


SH-1-17G

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

ILL. #5

BEARING

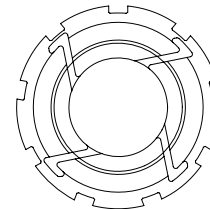


SW-2-11

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

ILL. #8

STATOR CAP

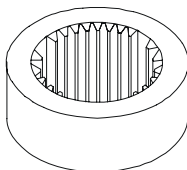


SW-4-18

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

ILL. #13

INNER RACE

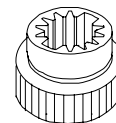


SX-14-3

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

ILL. #20

SPLINE INSERT



SX-22XA

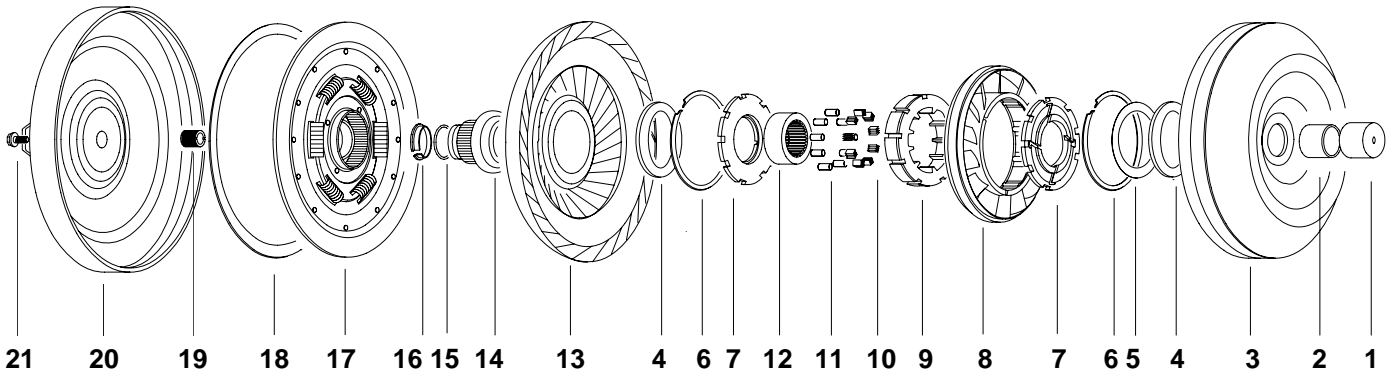
O.D. .76"
Height .78"
14 Spline
(2 Removed)

GM 258mm LOCKUP, 4T65E

ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Purple™, 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	.265" High, .525" 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	Fluorocarbon, 1-3/8" I.D., 1/16" Wide		SO-23-26
	Seal Ring	PTFE, White, Solid, 1.72" O.D., .09" Wide, for Late Model		SO-23-35
17	Turbine			
18	Lockup Clutch			SX-23-36
19	Lining	9-1/2" O.D., 8-1/4" I.D., .045" Thick		PX-23-9
		<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

GENERAL MOTORS 258mm LOCKUP, 4T65E

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

SW-2-11

ILL. #5 SELECTIVE SHIM

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

ILL. #7 STATOR CAP

SW-4-18

ILL. #12 INNER RACE

SX-14-3

ILL. #16 TURBINE WASHER

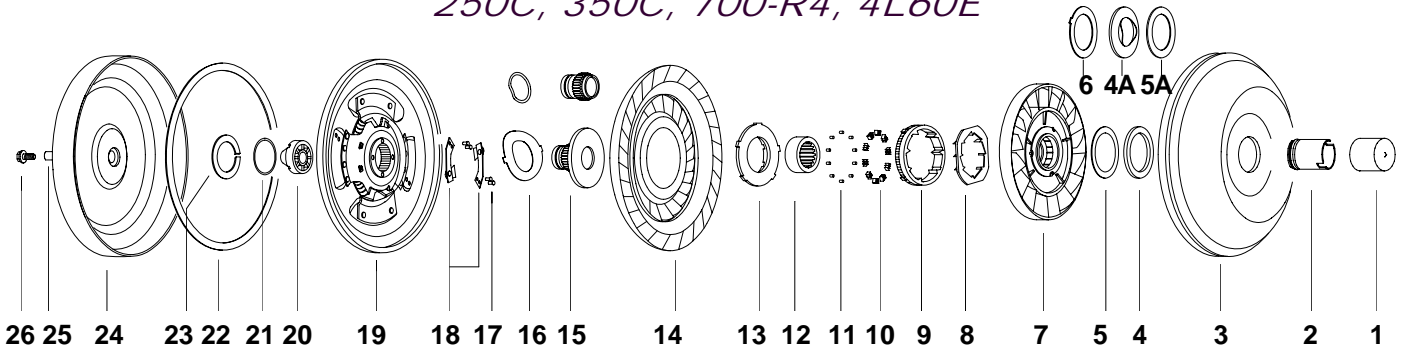
SW-9-17

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 .020" Thick .030" Thick		SW-2-110 SW-2-120 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 .265" High, .525" 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, 35mm I.D. x 2.5mm Wide		SO-23-25
16	Washer, Turbine Aluminum, C Type, 1.51" O.D., 1.05" I.D., .33" Thick		SW-9-17
17	Lockup Clutch 4T60E 4T80E, Viscous Clutch Type		SX-23-110
18	Lining 10-3/8" O.D., 9-3/8" I.D., .045" Thick		SX-23-32
	<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-1-G	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"			O.D. 2.84" I.D. 1.44" Thick. .155"	O.D. 2.70" I.D. 1.58"	
SW-2-9 , SW-2-9HD , SW-2-8			SW-2-010 , Thick. .01"	SW-2-020 , Thick. .02"	SW-2-030 , Thick. .03"
Thick. .046" Thick. .063"			SW-2-050 , Thick. .05"		

ILL. #5, 4		SHIM & BEARING	
O.D. 2.95" I.D. 2.40"	O.D. 3.28" I.D. 2.39"		
SW-2-210 , Thick. .01"	SW-2-220 , Thick. .02"	SW-2-230 , Thick. .03"	SW-2-12 , Thick. .25"

ILL. #13			STATOR CAPS		
O.D. 3.74" I.D. 1.67" Thick. .27"	O.D. 3.74" I.D. 1.67" Thick. .27"	O.D. 3.74" I.D. 1.93" Thick. .25"			
SW-4-10	SW-4-16 Replaces SW-4-10	SW-4-15			

GM 298mm LOCKUP

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

ILL. #		DESCRIPTION	QTY.	PART #
1	Hubcap®	Blue™, For 1-3/4" Dia. Hubs		MHC-BU
		Yellow™, For 1-7/8" Dia. Hubs		MHC-Y
2	Hub, Impeller	For TH200C, TH200-4R, TH700-R4, 1.748" Dia.		SH-1-2GRC
		For TH200C, TH200-4R, TH700-R4, 1.748" Dia.		SH-1-15GRC
		For TH200C, TH200-4R, TH700-R4, 1.748" Dia.		SH-1-18GRC
		For TH200C, TH200-4R, TH700-R4, 1.748" Dia.		SH-1-24GRC
		For TH200C, TH200-4R, TH700-R4, 1.748" Dia. Height 2.37"		SH-1-31GRC
		For TH200C, TH200-4R, TH700-R4, 1.748" Dia. Height 2.31"		SH-1-38GRC
		For TH200C, TH200-4R, TH700-R4, Wide Weld Groove, 1.748" Dia.		SH-1-41GRC
		For TH250C, TH-325-4L, 1.874" Dia. For TH250C, TH-325-4L, 1.874" Dia.		SH-1-5GRC SH-1GRC
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		SW-2-210
		.020" Thick		SW-2-220
		.030" Thick		SW-2-230
		End Play, Use Under SW-2-8 , .010" Thick		SW-2-010
5A		.020" Thick		SW-2-020
		.030" Thick		SW-2-030
		.050" Thick		SW-2-050
6	Plate	Steel, .045" Thick		SW-2-9
		Steel, Heavy Duty, .063" Thick		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	Plastic, 8630508, Replaced By SW-4-16		SW-4-10
		Plastic, Upgrade, 12 Grooves, O.E.#24204224		SW-4-16
		Aluminum, Use Bearing SW-2-11		SW-4-15
14	Turbine, Assembly	30 Spline		SX-8-30
		27 Spline		SX-8-27

Continued ➡

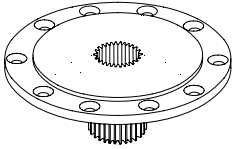
GM 298mm LOCKUP

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

ILL. #15

TURBINE HUBS

O.D. 4.00"



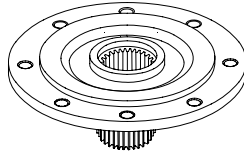
SX-13-3HT

27 Int., 30 Ext. Spline

SX-13-4HT

30 Int., 30 Ext. Spline

O.D. 4.45"



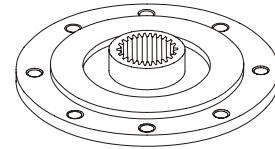
SX-13-5HT

27 Int., 30 Ext. Spline

SX-13-6HT

30 Int., 30 Ext. Spline

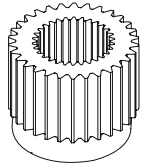
O.D. 4.45"



SX-13-7HT

30 Spline

O.D. 1.53"



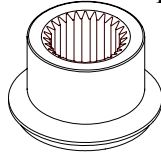
SX-13-27HT

27 Int., 30 Ext. Spline

SX-13-30HT

30 Int., 30 Ext. Spline

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



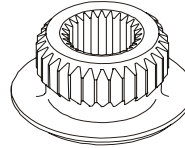
SX-13-27PHT

27 Int. Spline

SX-13-30PHT

30 Int. Spline

O.D. 2.35"



SX-13-27FFHT

27 Int., 30 Ext. Spline

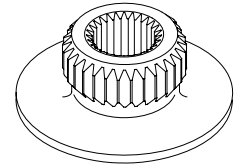
SX-13-30FFHT

30 Int., 30 Ext. Spline

SX-13-30FS

30 Int., 30 Ext. Spline

O.D. 3.30"



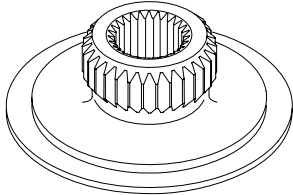
SX-13-27JFHT

27 Int., 30 Ext. Spline

SX-13-30JFHT

30 Int., 30 Ext. Spline

O.D. 4.00"



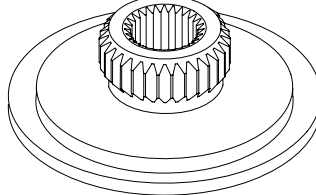
SX-13-27WHT

27 Int., 30 Ext. Spline

SX-13-30WHT

30 Int., 30 Ext. Spline

O.D. 4.50"



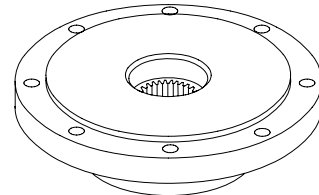
SX-13-16HT

30 Int., 30 Ext. Spline

SX-13-31HT

27 Int., 30 Ext. Spline

O.D. 4.51"



SX-13-350HT

30 Spline

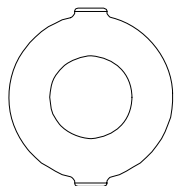
ILL. #16

WAVE SPRINGS

O.D. 3.16"

I.D. 1.60"

Thick. .02"



SW-9-10

O.D. 2.01"

I.D. 1.60"



SW-9-6

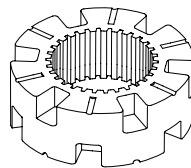
N.I.

SPACER

O.D. 2.51"

I.D. 1.46"

Thick. 1.52"



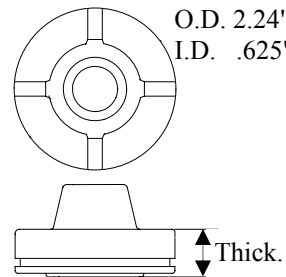
SW-9-150

ILL.#20

CONICAL WASHER

O.D. 2.24"

I.D. .625"



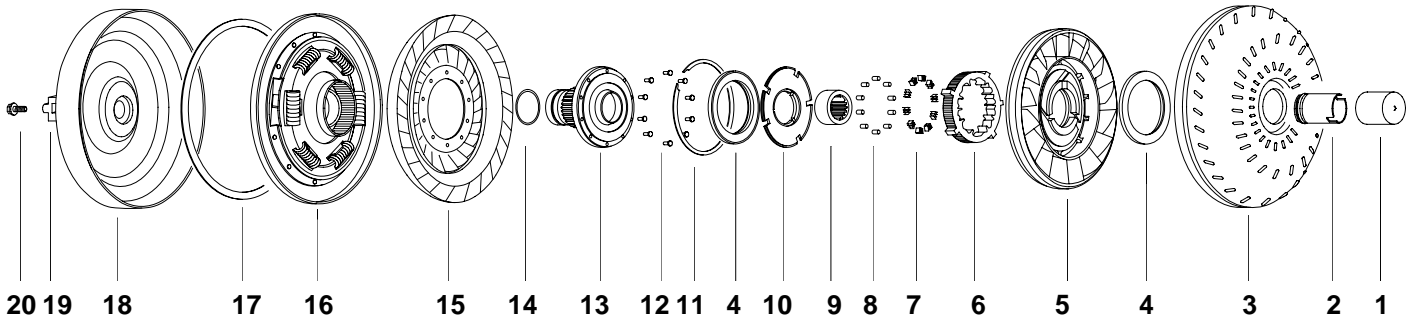
SW-9-52 Thru 57

GM 298mm LOCKUP

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

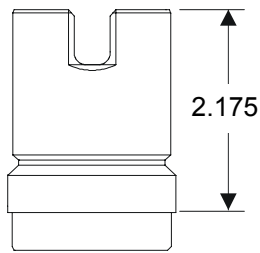
ILL.#	DESCRIPTION	QTY.	PART #
15	Turbine Hub For O.E. Turbines	Weld-In, O.E. Style, 27 Spline	SX-13-27HT
		Weld-In, O.E. Style, 30 Spline	SX-13-30HT
		Weld-In, Tapered Flange, 27 Spline	SX-13-27FFHT
		Weld-In, Tapered Flange, 30 Spline	SX-13-30FFHT
		Weld-In, Straight Flange, 30 Spline	SX-13-30FSHT
		Weld-In, .084" Thick Flange, 27 Spline	SX-13-27WHT
		Weld-In, .084" Thick Flange, 30 Spline	SX-13-30WHT
		Weld-In, .22" Thick Flange, 27 Spline	SX-13-31HT
		Weld-In, .22" Thick Flange, 30 Spline	SX-13-16HT
		Weld-In, E-Z Weld Flange, 27 Spline, Fastest Installation	SX-13-27JFHT
		Weld-In, .20" Thick Flange, 27 Spline	SX-13-27PHT
		Weld-In, E-Z Weld Flange, 30 Spline, Fastest Installation	SX-13-30JFHT
		Weld-In, .20" Thick Flange, 30 Spline	SX-13-30PHT
		Rivet-In, 27 Splines, Use SX-12-4 Rivet	SX-13-3HT
		Rivet-In, 30 Splines, Use SX-12-4 Rivet	SX-13-4HT
For TH200 Non-Lockup Turbines	(Reshaping Of Turbine Necessary In Most Cases)		
	Retains Lockup Function, 27 Splines, Use FX-12 Rivets		SX-13-5HT
	Retains Lockup Function, 30 Splines, Use FX-12 Rivets		SX-13-6HT
	Lockup Eliminator, 30 Splines, Use FX-12 Rivets		SX-13-7HT
	To Convert Entire TH-200 To TH-350 Lockup Eliminator		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.	SW-9-6
		Heavy Duty, Heat Treated, 3.16" O.D., 1.60" I.D., .02" Thick	SW-9-10
17	Rivet	Pressure Plate	4 SX-12-2
18	Valve, Poppet, Assembly	Use 4 SX-12-5 Rivets	4 SX-23-8
N.I.	Plug	Poppet Eliminator	2 SX-12-9
19	Damper & Press. Plate	Assembly, Non-Poppet	SX-23-3E
20	Washer, Conical, Plastic	Casting #2, 14.6mm Thick	SW-9-52
		Casting #3, 15.1mm Thick	SW-9-53
		Casting #4, 15.5mm Thick	SW-9-54
		Casting #5, 15.9mm Thick	SW-9-55
		Casting #6, 16.3mm Thick	SW-9-56
		Casting #7, 16.8mm Thick	SW-9-57
		N.I.	Spacer
21	O-Ring	Fluorocarbon With PTFE Coating, Orange	SO-23-1
		Oversize, Salvages Clutch Plate, Green	SO-23-1A
22	Lining	11-1/8" O.D., 10" I.D., .045" Thick	SX-23-4
<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	SX-23-LS45
		2-7/8" O.D., 2-3/8" I.D., .070" Thick	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)	SX-23B
		Self Centering	SX-23C
<i>See Page 1-42 For Pilot Program</i>			
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

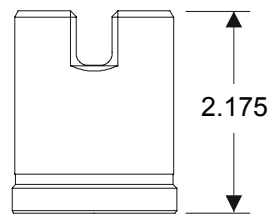


ILL. # 2

IMPELLER HUB, 1.748" DIA.



SH-1-32G

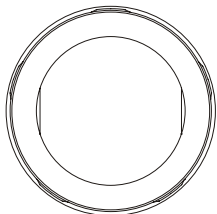


SH-1-12G

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

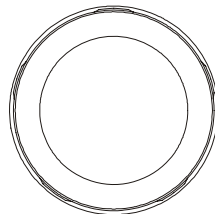
ILL. # 4

BEARINGS



SW-2-24

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

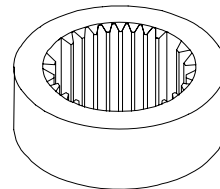


SW-2-33
*Replaces SW-2-24
on impeller side*

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

ILL. # 9

INNER RACE



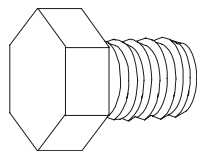
SX-14-3

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

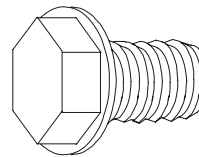
ILL. #20

BOLTS

M10 x 1.5 x 15mm Long



B-78



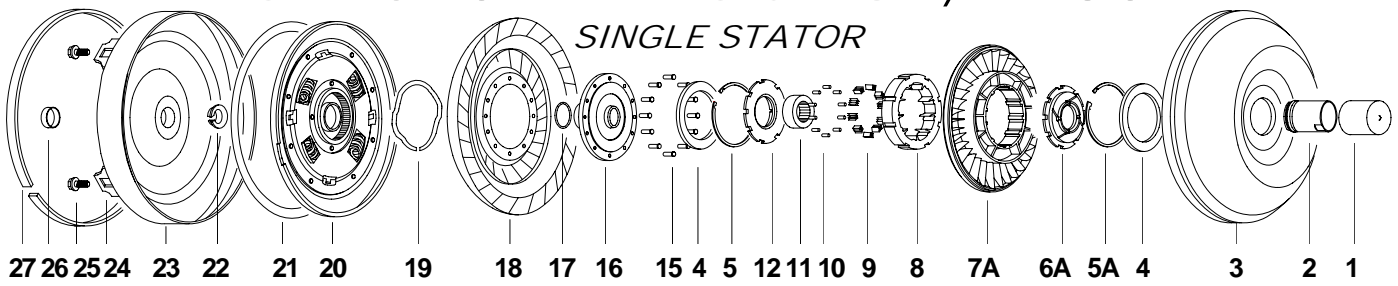
B-79

GM 300mm LOCKUP, 4L60E

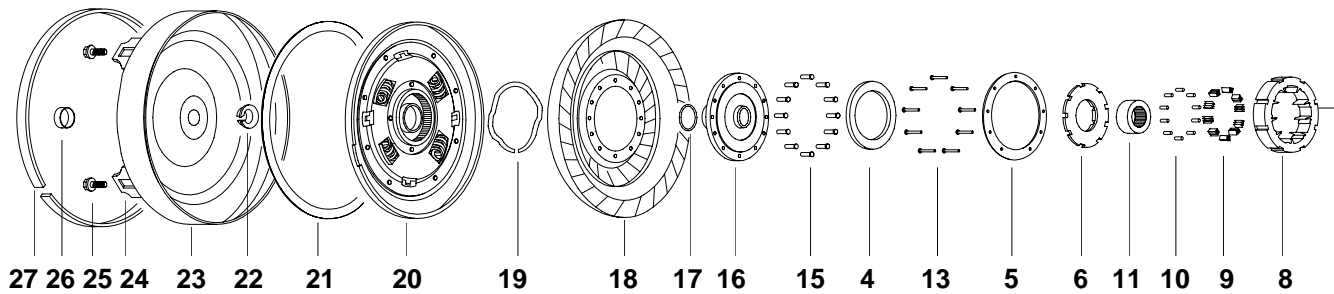
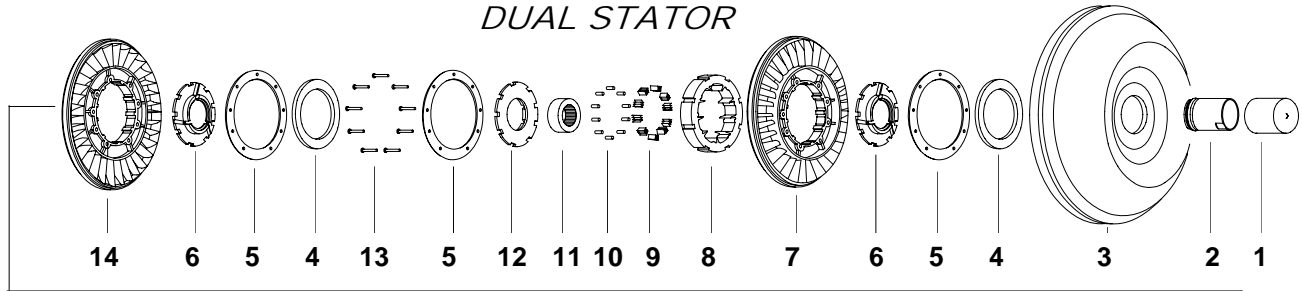
ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Blue™, For 1.748" Dia. Hubs		MHC-BU
2	Hub, Impeller	1.74"Dia., 2.175" Mounting Height		SH-1-32G
		1.74"Dia., 2.175" High		SH-1-12G
3	Impeller			
4	Bearing	Enclosed, 3.65" O.D., 2.60" I.D., .16" Thick	2	SW-2-24
		Enclosed, 3.65" O.D., 2.60" I.D., .18" Thick, Impeller Side		SW-2-33
5	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	Aluminum 4.26" O.D., 1.94" I.D., .30" Thick.		SW-4-30
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 Black/Brown®, White, PTFE Coating, 1-1/2" x 1/16"		SO-23-28
15	Turbine			
16	Lockup Clutch	6 Springs		SX-23-37
17	Lining	Carbon, 11-1/8" O.D., 10" I.D., .045" Thick		SX-23-4C
18	Cover, Front			
19	Pad, Mounting			
20	Bolt	M10 × 1.5, 15mm Long, O.E.# 01261968		B-78
		M10 × 1.5 × 15mm Long, O.E. #25509226		B-79

GENERAL MOTORS GM 300mm LOCKUP, 4L60E

GM 310mm LOCKUP, 4L80E



DUAL STATOR



ILL. #2 IMPELLER HUBS, 1.999" DIA.

SH-1-21GRC, 1.540" I. D. SH-1-43GRC, 1.620" I. D. SH-1-46GRC (See Pg. 1-19)	SH-1-22GRC	SH-1-25GRC
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Suffix Code: No Suffix - Unfinished,
"G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. #4 BEARINGS

O.D. 3.66" I.D. 2.60" Thick. .155"	O.D. 3.84" I.D. 2.74" 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"	Dual Stator O.D. 4.26" I.D. 2.00" Thick. .28"	Dual Stator O.D. 4.26" I.D. 2.00" Thick. .24"
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SW-4-11 SW-4-12 SW-4-13

GM 310mm LOCKUP, 4L80E

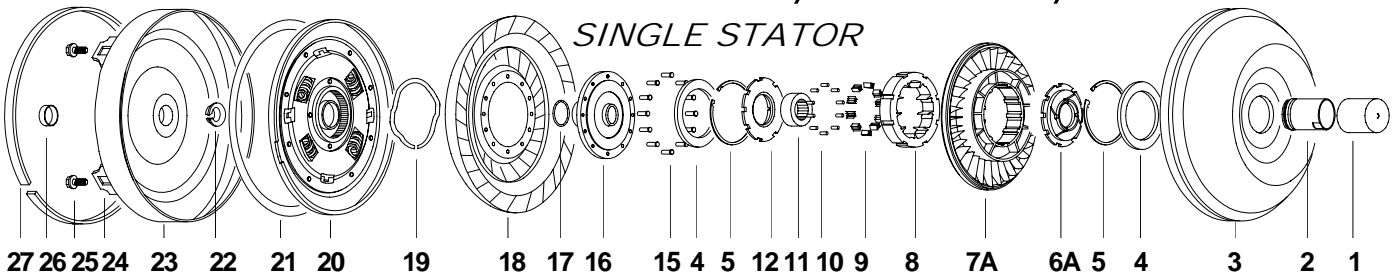
ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Red™ For 2" Dia. Hubs		MHC-R
2	Hub, Impeller Butt Mount, 1.54" I.D.		SH-1-21GRC
	Butt Mount, 1.62" I.D.		SH-1-43GRC
	Thru Mount		SH-1-22GRC
	Flanged		SH-1-25GRC
	Late, Single Stator, 2.70 High		SH-1-46GRC
3	Impeller		
4	Bearing Enclosed Type	2/3	SW-2-18
	Enclosed , 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-2-23
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

Continued

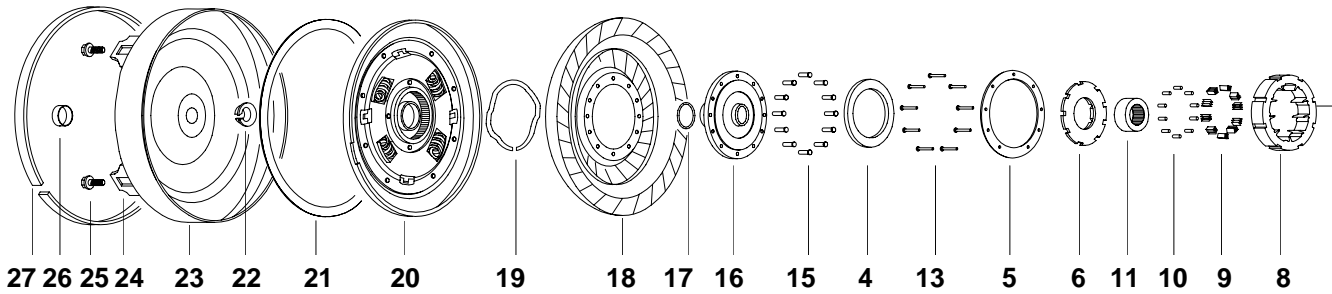
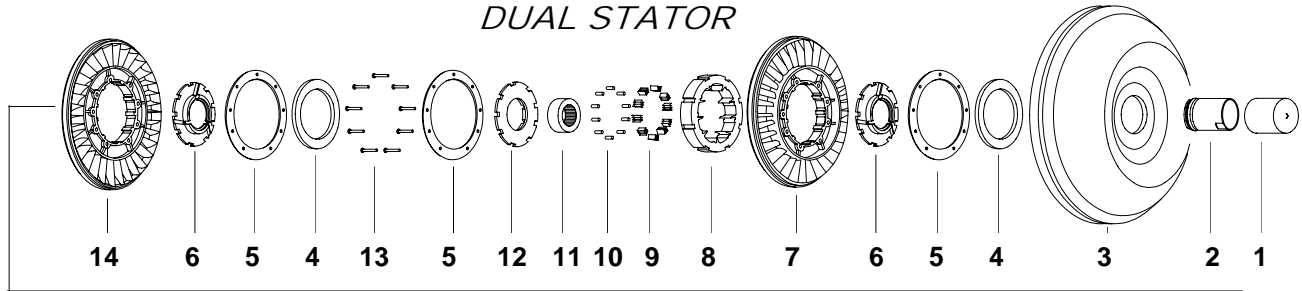


GM 310mm LOCKUP, 4L80E, Continued

SINGLE STATOR



DUAL STATOR



ILL. #16 **TURBINE HUB**

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

SX-13-10HT

ILL. #19 **WAVE SPRING**

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

SW-9-15

ILL. #22 **THRUST WASHER & SHIM**

O.D. 1.87"	O.D. 1.91"
I.D. 1.25"	I.D. 1.45"
Thick. .32"	Thick. .01"

SW-9-14 **WW-9-1**

N.I. **PILOT BUTTON**

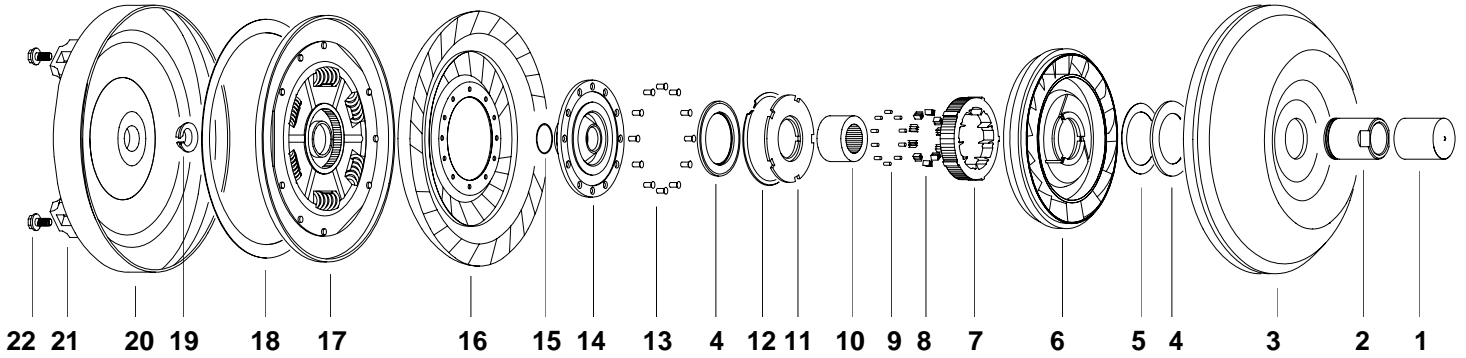
O.D. 1.70"
I.D. 0.88"
Height 3/16"

SX-23B

GM 310mm LOCKUP, 4L80E, Continued

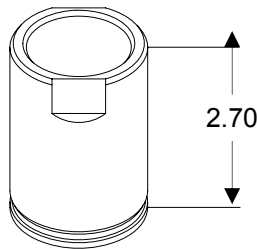
ILL.#	DESCRIPTION	QTY.	PART #
16	Turbine Hub	35 Int., 102 Ext. Spline	SX-13-10HT
17	O-Ring	Fluorocarbon, PTFE, 1-7/8" I.D., 1/16" Thick	SO-23-24
		Fluorocarbon PTFE, 1-7/8" Oversized, I.D. , 5/64" Thick	SO-23-24A
18	Turbine		
19	Spring, Wave	O.E. Style, 3.71" O.D., 3.36" I.D.	SW-9-15
20	Lockup Clutch		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
21	Lining	11-9/16" O.D., 10-5/16" I.D., .045" Thick	SX-23-25
	<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>		
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 1-42 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.

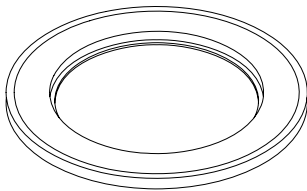


SH-1-46G

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

ILL. #4

BEARING

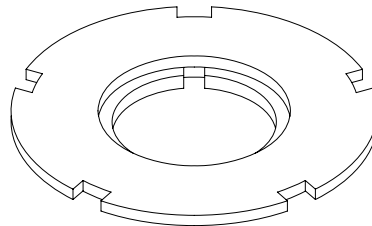


SW-2-24

O.D. 3.65"
I.D. 2.60"
Thick. .155"

ILL. #11

STATOR CAP

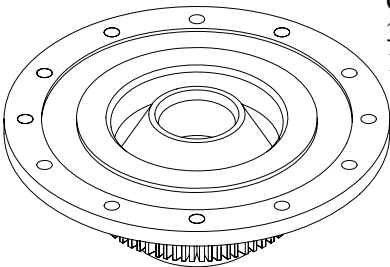


SW-4-26

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

ILL. #14

TURBINE HUB

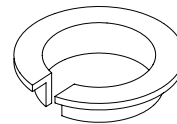


SX-13-34HT

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

ILL. #19

THRUST WASHER



SW-9-14

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

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			
18	Lining	11-9/16" O.D., 10-5/16" I.D.		SX-23-25
		11-5/8" x 10-3/8" x .045"		SX-23-47
		12-1/2" x 10-3/4" x .045"		SX-23-49
<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

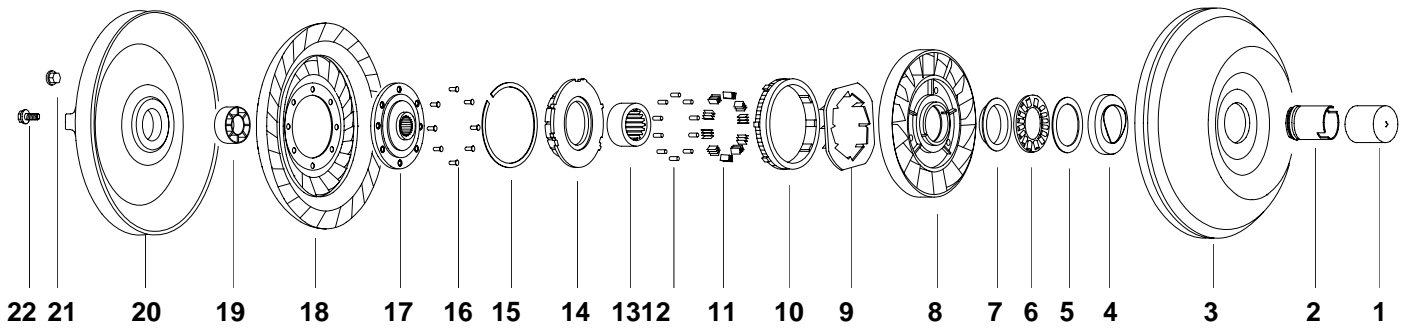
GM TH180

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

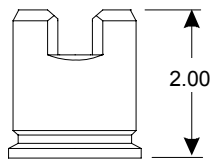
ILL. #	DESCRIPTION	QTY.	PART #
1	Hubcap® Black™, For 1-7/8" Dia. Hubs		MHC-Y
2	Bushing, Hub Corvair, 1.41" I.D. Tempest, 1.69" I.D.		CB-18-1 CB-18-2
3	Hub, Impeller 2.35" High 2.62" High Butt Style Butt Style		CH-1-7G CH-1-8G CH-1-8TG CH-1-36G
4	Impeller		
5	Washer, Steel 3 Internal Tabs Tempest		CW-2-2 CW-2-3
6	Ring, Snap	2	CX-20
7	Cap, Stator Passenger With Recess To Pilot CX-14 , High Performance		CW-4-1/IP CW-4-1B/1A
8	Stator Low Stall, O.E. #3473073 Medium Stall, O.E. #347016 High Stall, O.E., #3473063		CX-5-12 CX-5-13 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 Passenger, 27 Spline, 2.19" O.D., 1.31" I.D., .56" High Chrysler, 27 Spline, 2.19" O.D., 1.11" I.D., .56" High		CX-14 CX-14-1 CX-14T
13	Rivet .193" Shank Dia., .31" Long	8	WX-12A
14	Turbine Hub Opel, Holden, Corvair, Tempest, Etc., 22 Splines Peugeot, Fiat, 22 Spline		CX-13-2HT 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 Chrysler, 1.33" O.D., 1.25" I.D., .45" High		CB-18-3 TB-18-9
18	Cover, Front		
19	Pilot		CX-17-2
N.I.	Ring Gear Corvair, 147 Teeth		RG-147

GENERAL MOTORS TH-180, Strassbourg, Trimatic, G.M.-3, Corvair, Tempest

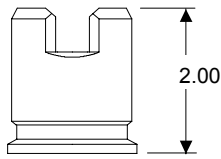
GM TH200



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



SH-1-2G

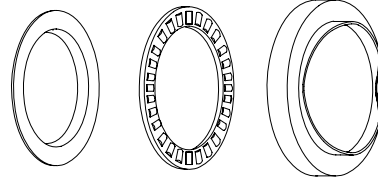


SH-1-41G

*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"	O.D. 2.18" I.D. 1.50"	O.D. 2.25" I.D. 1.44"
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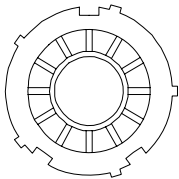


SW-2-6 SW-2-1 SW-2-4

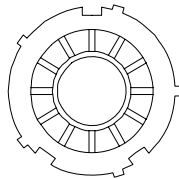
SW-2-3K

ILL. # 14 STATOR CAP

O.D. 3.75"
I.D. 1.52"



SW-4-3 .52" Thick

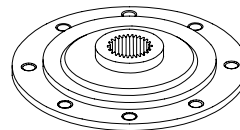


SW-4-4 .61" Thick

Improved Design Shown

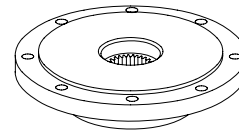
ILL. #17 TURBINE HUBS

O.D. 4.44"
27 Spline



SX-13-2HT

O.D. 4.44"
30 Spline

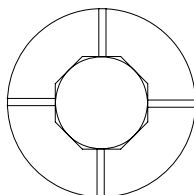


SX-13-350HT

Conversion

ILL. #19 TURBINE WASHER

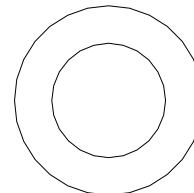
O.D. 2.45"
I.D. 1.21"
Thick. .72"



SW-9-200

N.I. SHIM

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




TW-9-010, Thick. .01"

TW-9-020, Thick. .02"

TW-9-030, Thick. .03"

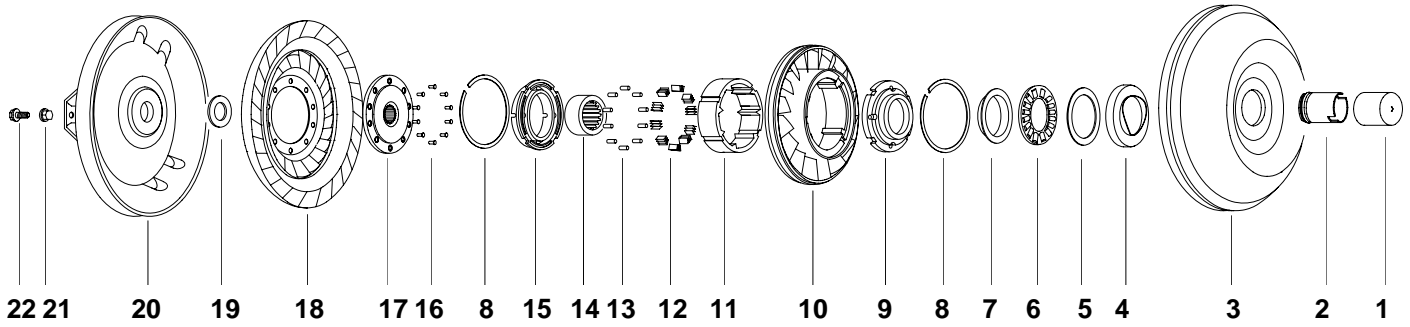
GM TH200

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap®	Blue™, For 1-3/4" Dia. Hubs	MHC-BU
2	Hub, Impeller	Butt Mount, Narrow Weld Groove Butt Mount, Wide Weld Groove	SH-1-2G 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 Flat, Hardened, .060" Thick	SW-2-30 SW-2-60
6	*Bearing	Standard, .125" Dia. Rollers, 2.18" O.D., 1.5" I.D. Heavy Duty, .156" Dia. Rollers, 2.18" O.D., 1.5" I.D.	SW-2-1 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 O.E. #8628609, .61" Thick	SW-4-3 SW-4-4
15	Ring, Snap	3.40" O.D.	CX-20
16	Rivet	.310" Long .385" Long .500" Long	8 WX-12A 8 FX-12L 8 SX-12
17	Turbine Hub	27 Spline 30 Spline, Converts TH200 To TH350 Non-Lockup Use With Fiber Or Plastic Washer, See Page 1-30, Illustration 19	SX-13-2HT SX-13-350HT
18	Turbine		
19	Washer, Turbine		SW-9-200
N.I.	Shim	.010" Thick .020" Thick .030" Thick	TW-9-010 TW-9-020 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)



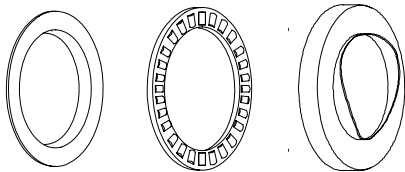
ILL. #2 IMPELLER HUBS, 1.874" DIA.

CHEVY 350				TH250	
2.150	2.150	2.075	2.075	2.460	2.450
SH-1G	SH-1-4G	SH-1-6G	SH-1-16G	CH-1-10G	CH-1-10TG

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

ILL. #7, 6, 4 BEARING & RACE KIT

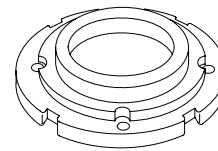
O.D. 2.06" O.D. 2.18" O.D. 2.25"
I.D. 1.54" I.D. 1.50" I.D. 1.44"



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

ILL. #9 STATOR CAP

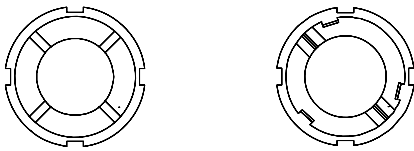
I.D. 1.56"
Thick. .50"



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

ILL. #15 STATOR CAPS

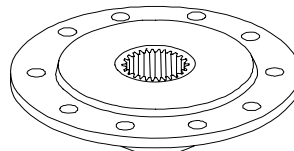
I.D. 1.78" O.D. 3.22"
Thick. .59" I.D. 1.83"



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

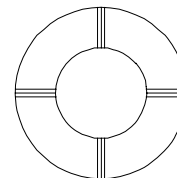
O.D. 4.00"
30 Spline



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

ILL. #19 TURBINE WASHER

O.D. 2.79"
I.D. 1.35"
Thick. .125"



CW-9-3

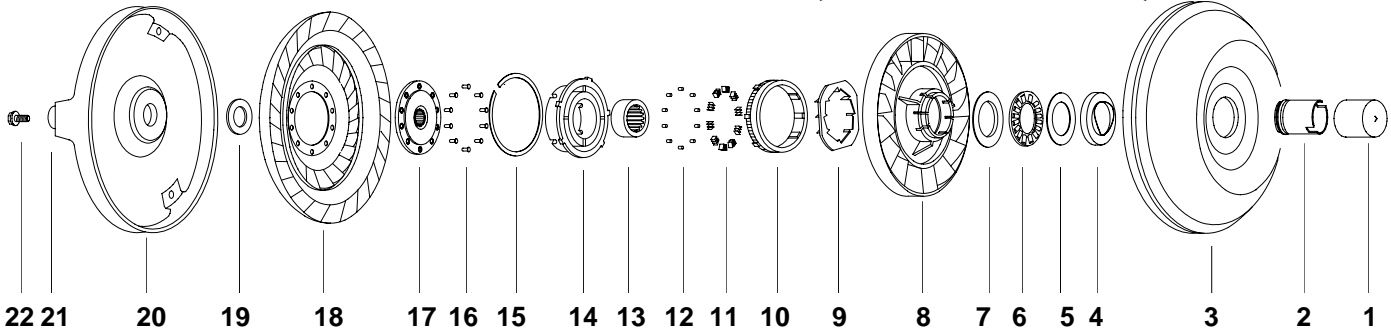
TH350 CHEVROLET, TH250 (VEGA)

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Yellow™, For 1-7/8" Dia. Hubs		MHC-Y
2	Hub, Impeller		See Page 1-30
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. Aluminum, 3.44" O.D.		CW-4-4 CW-4-5
10	Stator		
11	Cam 3.250" O.D. Vega, 9/16" Thick		CX-15 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 Heavy Duty Material (52100) Vega, .560" High		CX-14 CX-14HD CX-14-1
15	Cap, Stator Aluminum, 3.22" O.D., 1.87" I.D., .47" Thick Plastic Plastic Aluminum Or Plastic, Use With CW-3 Bronze Washer Vega, Use With CW-3 Bronze Washer		CW-4 CW-4-3P CW-4P CW-4-2(P) CW-4-6
16	Rivet .193" Shank Dia., .31" Long	10	WX-12A
17	Turbine Hub 30 Splines, Steel Vega, 30 Spline, Steel		CX-13-1SHT CX-13-4HT
18	Turbine Assembly 30 Splines, 11-7/8" Diameter		
19	Washer, Turbine Plastic, Thickness .047" .062" .094" .125" .156" .188"		FW-9-4T FW-9-4A FW-9-4E CW-9-3 CW-9-3B FW-9-4G
	<i>Add Suffix "F" For Fiber</i>		
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

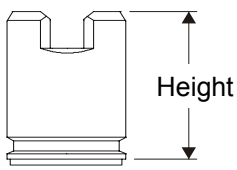
* NOTE: SW-2-4
SW-2-1/HD
SW-2-6 } Bearing And Race Kit, **SW-2-3K**
Heavy Duty, **SW-2-3KHD**, (Contains **SW-2-1HD**)

GM TH350

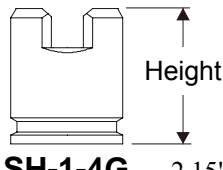
Buick, Oldsmobile, Pontiac (Includes TH300)



ILL. # 2 IMPELLER HUBS, 1.874" DIA.



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

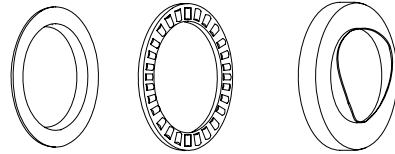


SH-1-4G, 2.15" High
SH-1-5G, 2.20" High
SH-1-11G, 2.25" High
SH-1-16G, 2.08" High

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

ILL. # 7, 6, 4 BEARING & RACES

O.D. 2.06"	O.D. 2.18"	O.D. 2.25"
I.D. 1.48"	I.D. 1.50"	I.D. 1.44"

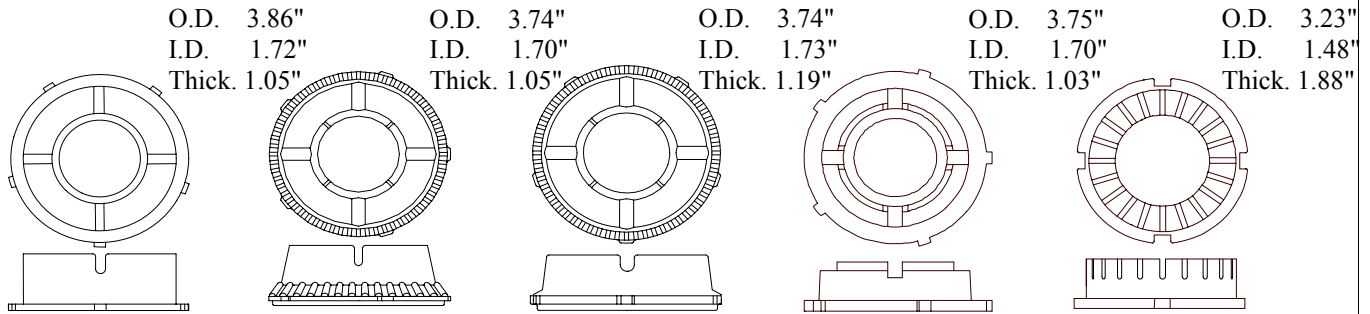


SW-2-6 **SW-2-1** **SW-2-4**

SW-2-3K

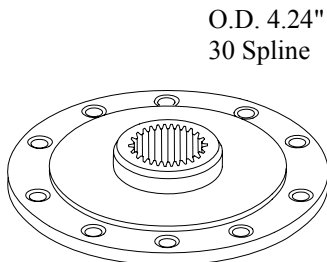
ILL. # 14

STATOR CAPS



SW-4-2/A **SW-4-2C/B** (No Lugs) **SW-4-5/5D** **SW-4-17** **CW-4-300**

ILL. #17 TURBINE HUB

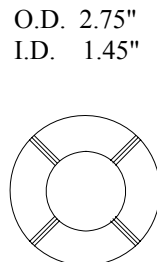


SX-13SHT

O.D. 4.24"
30 Spline

ILL. # 19

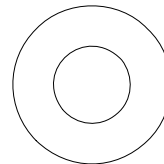
TURBINE WASHERS



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

Part #	Thick.
TW-9-5A	.063"
TW-9-5B	.094"
SW-9	.118"
SW-9-1	.132"
SW-9-2	.146"
SW-9-3	.160"
SW-9-4	.185"

O.D. 2.68" I.D. 1.45" Thick. .11"	O.D. 2.75" I.D. 1.45" Thick. .11"
---	---



SW-9-12 **SW-9-13**

Add Suffix "F" For Fibre

GM TH350

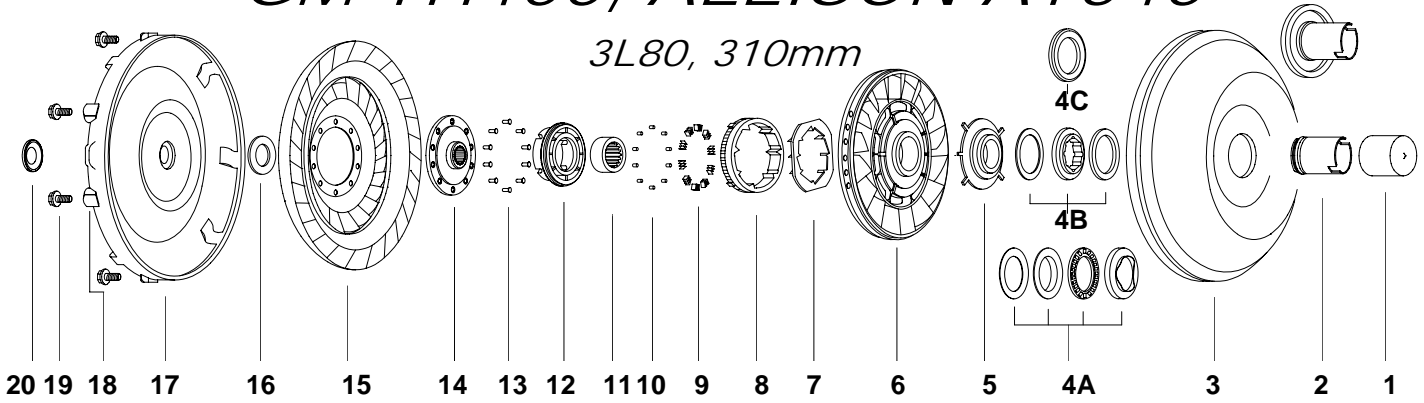
Buick, Oldsmobile, Pontiac (Includes TH300)

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Yellow™, For 1-7/8" Dia. Hubs		MHC-Y
2	Hub, Impeller		See Pg. 1-32
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" 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 Plastic, 5 Lugs (8624734), 3.86" O.D., 1.72" I.D., 1.05" Thick		SW-4-2
	Aluminum, (8623015)		SW-4-2A
	Plastic, (8626167, 25210078), With Ribs, No Lugs		SW-4-2B
	Plastic, With Ribs, With 5 Lugs		SW-4-2C
	Plastic, (8629512), Late, 1.195" High		SW-4-5
	Plastic, (8629512), Late, 1.195" High, 5 Lug Version		SW-4-5D
	Bearing Adapter For SW-2-12 Bearing, Replaces SW-4-2		SW-4-17
	For SW-2-12 Bearing, Replaces SW-4-5		SW-4-24
	Cap, Conversion 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	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. 1-32
	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 } Bearing And Race Kit, SW-2-3K
 SW-2-6 } 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										
<p>SH-1G, H - 2.15" SH-1-47G, H - 2.30"</p>	<p>SH-1-3G</p>	<table border="1"> <thead> <tr> <th>PART #</th> <th>H</th> </tr> </thead> <tbody> <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> </tbody> </table>	PART #	H	SH-1-4G	2.15	SH-1-5G	2.20	SH-1-11G	2.25	SH-1-16G	2.08	<p>SH-1-6G</p>
PART #	H												
SH-1-4G	2.15												
SH-1-5G	2.20												
SH-1-11G	2.25												
SH-1-16G	2.08												

Flanged Hubs

<p>SH-1-10GRC, 4.15 SH-1-28GRC, 3.90</p> <p>SH-1-10GRC / SH-1-28GRC (OE Replacement) (Conversion Type)</p>	<p>4.15</p> <p>SH-1-14GRC</p>	<p>4.15</p> <p>SH-1-23GRC</p>	<p>4.15</p> <p>SH-1-26GRC</p>
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Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. #4A, 4B, 4C

BEARINGS, RACES & SHIMS

<p>SW-2-30</p>	<p>SW-2-6</p>	<p>SW-2</p>	<p>SW-2-4</p>	<p>SW-2-210</p>	<p>SW-2-16</p>	<p>SW-2-12</p>	<p>SW-2-14</p>
<p>SW-2-60</p>	<p>SW-2-1/HD</p>	<p>SW-2-220</p>	<p>SW-2-230</p>				

GM TH400, ALLISON AT540

3L80, 310mm

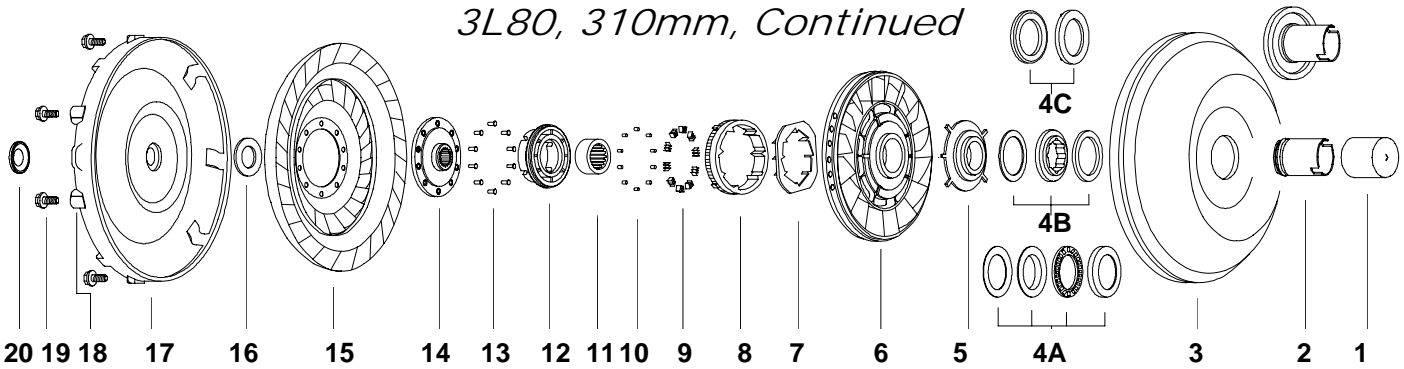
ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Yellow™, For 1-7/8" Dia. Hubs		MHC-Y
2	Hub, Impeller	2.15" Mounting Height, With Pilot Step		SH-1G
		2.30" Mounting Height, With Pilot Step		SH-1-47G
		2.25" High		SH-1-11G
		2.44" High, Dodge Truck- Cummins Diesel		SH-1-3GRC
		2.15" High		SH-1-4G
		2.20" High		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 , AT-540		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
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
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

Continued  1-35

GENERAL MOTORS TH400, ALLISON AT540

GM TH400, ALLISON AT540

3L80, 310mm, Continued



ILL. #5 & 12

STATOR CAPS

SW-4-2 , Plastic 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	O.D. 4.25" 24 Spline
SX-13SHT	SX-13-11HT

ILL. #20

PILOT BUTTON

O.D. 1.70" I.D. .88" Thick. 3/16"	O.D. 1.70" I.D. .50" Thick. 3/16"
SX-23B	SX-23F

ILL. #16

TURBINE WASHERS

O.D. 2.75" I.D. 1.46" Plastic/Fibre	O.D. 2.75" I.D. 1.46"	O.D. 2.75" I.D. 1.46"	O.D. 3.24" I.D. 1.45" Bronze	O.D. 2.75" I.D. 1.46" Plastic/Fibre
TW-9-5A , .069" Thick TW-9-5B , .095" Thick	SW-9-12 , .106" Thick SW-9 , .120" Thick		SW-9-080 , .080" Thick	SW-9-1 , .132" Thick SW-9-2 , .146" Thick SW-9-3 , .164" Thick SW-9-4 , .185" Thick

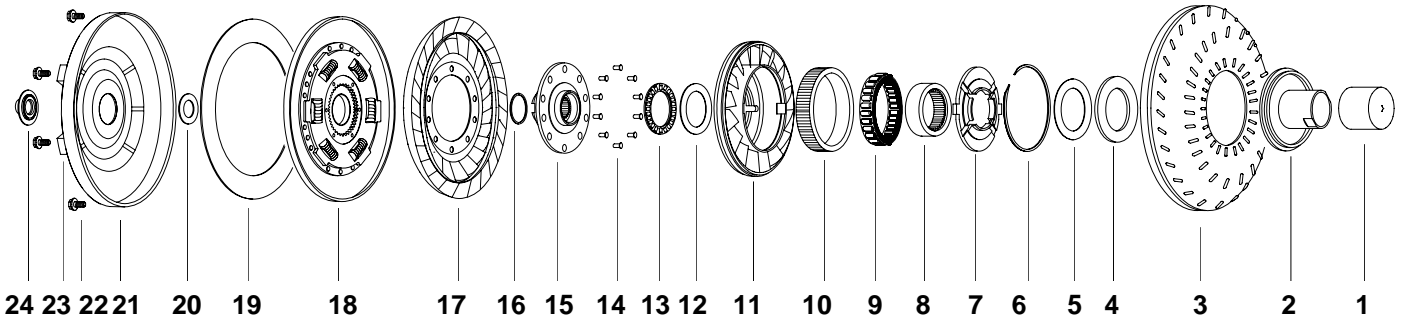
GM TH400, ALLISON AT540

3L80, 310mm, Continued

ILL#	DESCRIPTION	QTY	PART #	
12	Cap, Stator	Plastic, 8624734, 5 Lugs, 1.050" High	SW-4-2	
		Aluminum, 8623015, 25210078, 1.050" High	SW-4-2A	
	Adapter, Bearing	Plastic, 8626167, With Ribs, No Lugs, 1.050" High	SW-4-2B	
		Plastic, With Ribs, With 5 Lugs	SW-4-2C	
		Plastic, With Ribs, 1.06" High, Solid, 5 Lugs (AT540)	SW-4-28	
		Plastic, 8629512, Late, 1.195" High, 5 Lug Version	SW-4-5D	
		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	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
		.132" 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
21	Ring, Snap			SX-20
N.I.	Salvage Ring™	Core Saver™, Repairs Matching Step		SX-23-1022

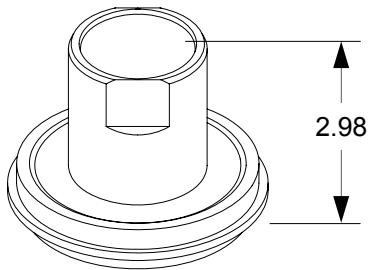
ALLISON 1000/2000/2400 SERIES

Lockup, GM 2500 & 3500 Series Trucks

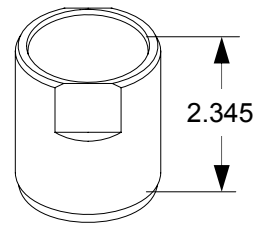


ILL. #2

IMPELLER HUB, 2.294" DIA.



SH-1-48GRC



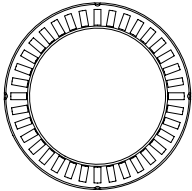
SH-1-49GRC

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

ILL. #4, 5, 12, 13

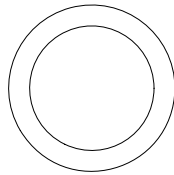
BEARINGS & RACES

O.D. 90.6mm
I.D. 66.1mm
Thick. 5.3mm



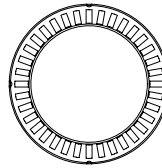
SW-2-25

O.D. 85.9mm
I.D. 64.2mm
Thick. 3.0mm



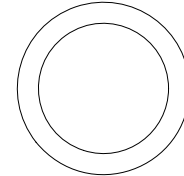
SW-2-27

O.D. 77.7mm
I.D. 56.4mm
Thick. 4.3mm



SW-2-26

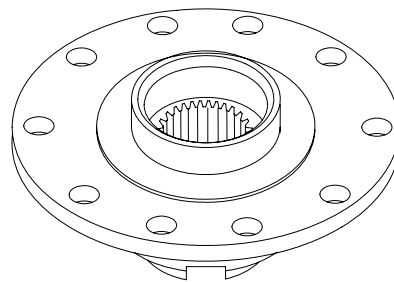
O.D. 79.5mm
I.D. 60.3mm
Thick. 2.5mm



SW-2-28

ILL. #15

TURBINE HUB



25 Spline Internal,
40 Spline External

SX-13-33HT

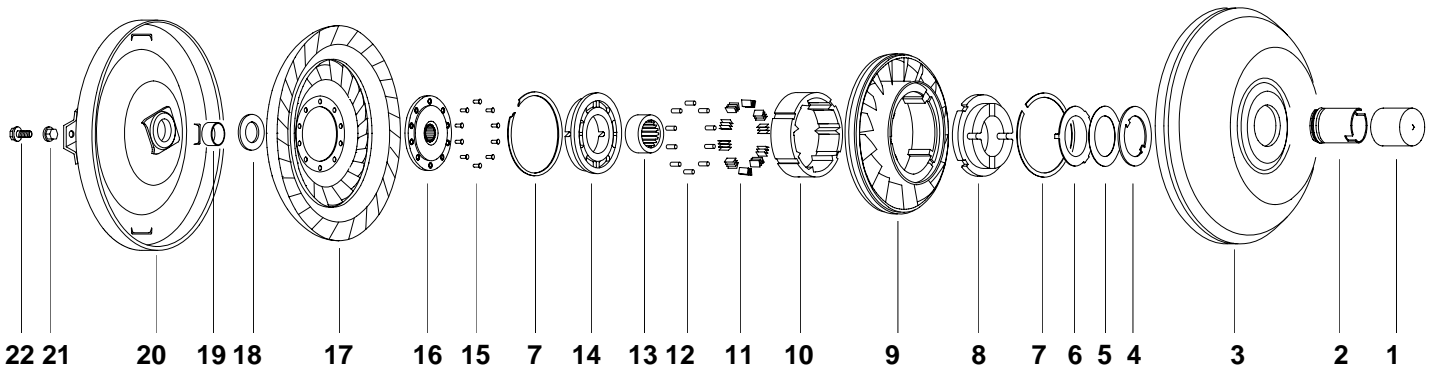
ALLISON 1000/2000/2400 SERIES

Lockup, GM 2500 & 3500 Series Trucks

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	37 Spline		
9	Sprag Roller Clutch	29 Cams		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	.214" Shank Diameter, .312" Long	12	SX-12-7
15	Turbine Hub	25 Internal Spline, 40 External Spline		SX-13-33HT
16	Seal Ring	PTFE, 2.38" O.D. × .090" 2006-Up, PTFE, 2.95" O.D. × .085"		SO-23-34 SO-23-37
17	Turbine			
18	Lockup Clutch	Assembly		
19	Lining	12.341" O. D., 10.25" I.D., .045" Thick 12.341" O. D., 10.75" I.D., .045" Thick		SX-23-44 SX-23-54
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
20	Turbine Washer	Plastic 2.228" O. D., .1483" I.D.		SW-9-18
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 1000/2000/2400 SERIES Lockup, GM 2500 & 3500 Series Trucks

GM POWERGLIDE



ILL. #2 IMPELLER HUBS, 1.874" DIA.

CH-1G	CH-1-2G	CH-1-3G	CH-1-4G	CH-1-10G	CH-1-10TG
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Suffix Code - No Suffix Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36

ILL. #4 STEEL WASHERS

CW-2 , 2.86" O.D., 1.69" I.D. CW-2-4 , 2.86" O.D., 1.63" I.D.	CW-2-1
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O.D. 2.87"
I.D. 1.67"
Thick. .06"

ILL. #6, 8 WASHERS & STATOR CAP

CW-3	CW-4-2/P	CW-4-4 , 3.25" O.D. CW-4-5 , 3.45" O.D.
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O.D. 2.56"
I.D. 1.80"
Thick. .08"

O.D. 3.22"
I.D. 1.83"
Thick. .53"

I.D. 1.56"
Thick. .50"

ILL. 8 STATOR CAPS

CW-4-3P , 3.40" O.D., .61" Thick CW-4P , 3.23" O.D., .59" Thick	CW-4-300
--	-----------------

I.D. 1.77"

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

ILL. #16 TURBINE HUB

CX-13SHT

O.D. 4.00"
17 Spline

ILL. #18 WASHER

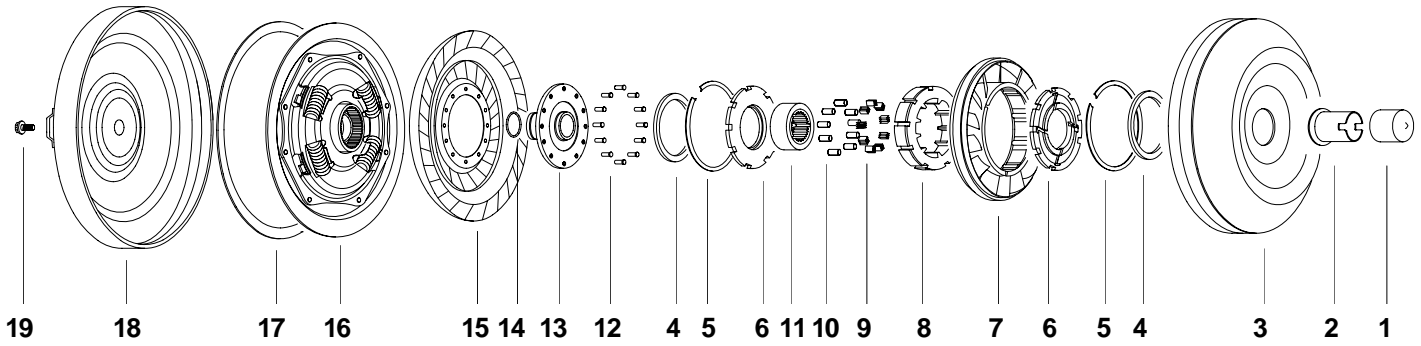
CW-9-062 , .062" Thick
CW-9-094 , .094" Thick
CW-9A , .150" Thick
CW-9B , .136" Thick
CW-9F , .120" Thick

O.D. 2.75"
I.D. 1.28"

GM POWERGLIDE

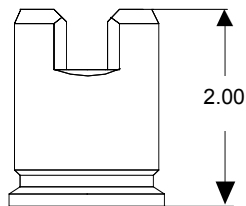
ILL.	DESCRIPTION	QTY.	PART #
1	Hubcap® Yellow, 1-7/8", Dia. Hubs		MHC-Y
2	Hub, Impeller		See Pg. 1-40
3	Impeller		
4	Washer, Steel 2 Lugs, 2.86" O.D., 1.69" I.D., .06" Thick 3 External Tangs 2 Lugs, 2.86" O.D., 1.62" I.D., .06" Thick		CW-2 CW-2-1 CW-2-4
5	Shim, Selective .010 Thick .020 Thick .030 Thick		MW-2-10 MW-2-20 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. 3.65" O.D.	2 2	CX-20 CX-20-1
8	Cap, Stator 3.225" O.D. Casting # 3735785, 6261269, 6264945, Plastic 3.225" O.D. Casting # 3831525, 6264946, Plastic 3.245" O.D. Casting # 3831525, 6261270, Plastic 3.447" O.D. Casting # 3924724, Bearing Support, Aluminum 3.425" O.D. Casting # 3924723, Bearing Support, Aluminum		CW-4P CW-4-2P CW-4-3P CW-4-4 CW-4-5
9	Stator		
10	Cam 3.250" O.D. 3.450" O.D.		CX-15 CX-15-1
11	Spring, Accordion .812" Wide	8	CS-6
12	Roller .312" Dia., .860" Long	8	CR-7
13	Race, Inner Standard To Adapt To Borg-Warner Transmission		CX-14 CX-14F
14	Cap, Stator Casting # 6254945 Converts Powerglide Stator To Fit TH350 B.O.P.	2	CW-4P CW-4-300
15	Rivet .19" Shank Dia., .31" Long	10	WX-12A
16	Turbine Hub 17 Spline, Steel See "C.D." Catalog For Entire High Performance Series		CX-13S
17	Turbine		
18	Washer, Turbine 2.75" O.D., 1.28" I.D., .062" Thick, Fibre .094" Thick, Fibre .150" Thick, Selective .136" Thick, Bronze .120" Thick, Fibre		CW-9-062 CW-9-094 CW-9A CW-9B 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.

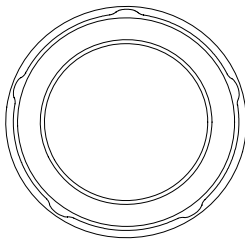


SH-1-56GRC

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

ILL. #4

BEARING

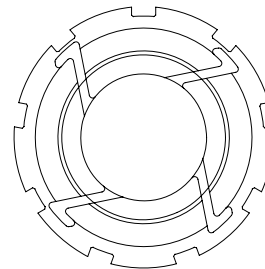


O.D. 3.37"
I.D. 2.49"
Thick. .15"

SW-2-11

ILL. #6

STATOR CAP

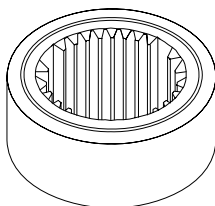


O.D. 3.96"
I.D. 1.92"
Thick. .33"

SW-4-18

ILL. #11

INNER RACE

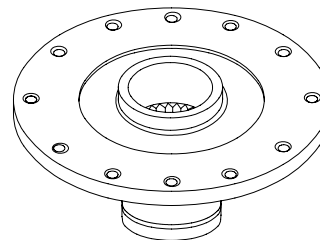


O.D. 2.156"
Height .875"
27 Spline
(3 Removed)

SX-14-3

ILL. #13

TURBINE HUB



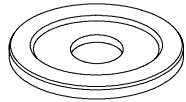
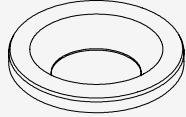
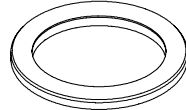
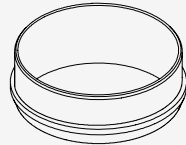
O.D. 4.133"
27 Internal Spline
45 External

SX-13-56HT

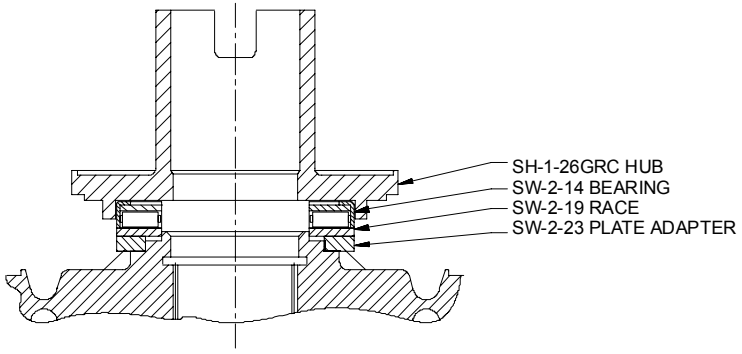
GM BMW LOCKUP, 5L40E

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 .265" High, .525" 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 Fluorocarbon, 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-23-9
<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	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

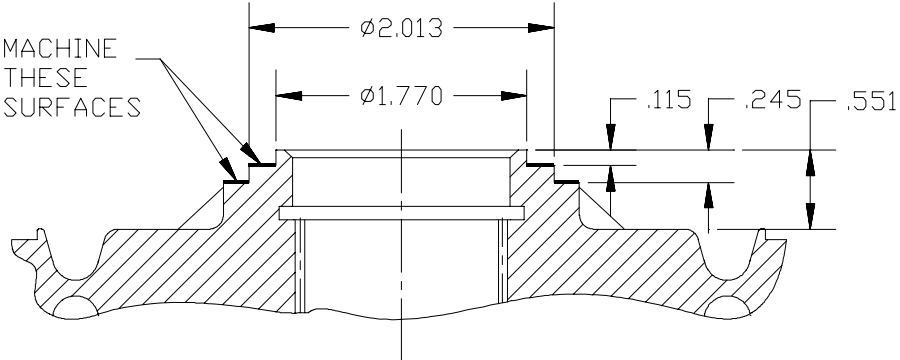
Replace Impeller Hub With **SH-1-26GRC** Flanged Hub.

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



ALLISON MD 3000 Series

ILL.#	DESCRIPTION	QTY.	PART #
Lining w/holes	11.570" O.D., 10.000" I.D., 0.045" Thick., Kevlar®		SX-23-57K
	11.570" O.D., 10.000" I.D., 0.045" Thick., Tan		SX-23-57T
	11.570" O.D., 10.000" I.D., 0.045" Thick., Carbon		SX-23-57C
	11.570" O.D., 10.000" I.D., 0.045" Thick., High Carbon		SX-23-57HC
	11.570" O.D., 10.000" I.D., 0.070" Thick., Kevlar®		SX-23-57X70K
	11.570" O.D., 10.000" I.D., 0.070" Thick., Tan		SX-23-57X70T
	11.570" O.D., 10.000" I.D., 0.070" Thick., Carbon		SX-23-57X70C
	11.570" O.D., 10.000" I.D., 0.070" Thick., High Carbon		SX-23-57X70HC

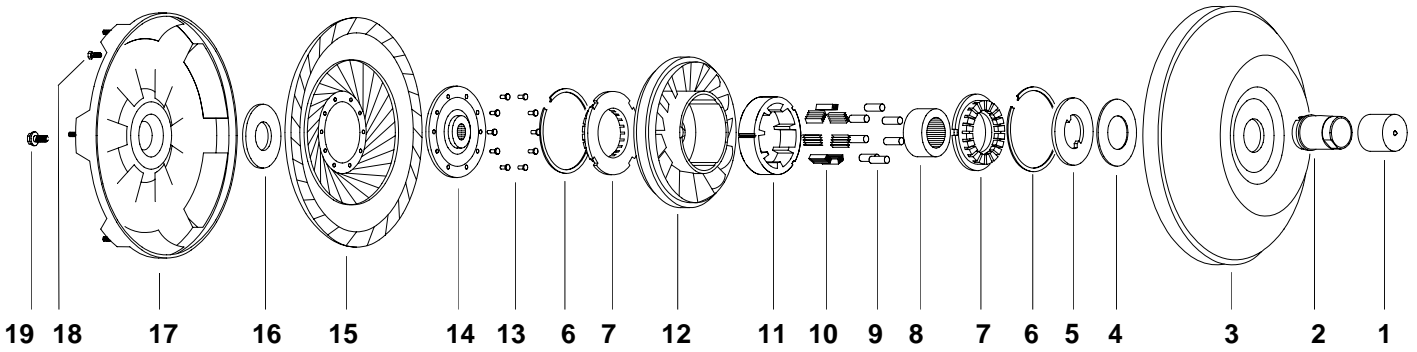
We offer linings in the LockJoint™ style. Just add suffix "J" in front of all other suffixes.
Forexample: **SX-23-57Jx70K**.

ALLISON HD 4000 Series

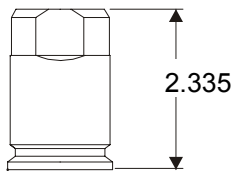
ILL.#	DESCRIPTION	QTY.	PART #
Lining w/holes	13.625" O.D., 11.500" I.D., 0.045" Thick., Kevlar®		SX-23-56K
	13.625" O.D., 11.500" I.D., 0.045" Thick., Tan		SX-23-56T
	13.625" O.D., 11.500" I.D., 0.045" Thick., Carbon		SX-23-56C
	13.625" O.D., 11.500" I.D., 0.045" Thick., High Carbon		SX-23-56HC
	13.625" O.D., 11.500" I.D., 0.070" Thick., Kevlar®		SX-23-56X70K
	13.625" O.D., 11.500" I.D., 0.070" Thick., Tan		SX-23-56X70T
	13.625" O.D., 11.500" I.D., 0.070" Thick., Carbon		SX-23-56X70C
	13.625" O.D., 11.500" I.D., 0.070" Thick., High Carbon		SX-23-56X70HC

We offer linings in the LockJoint™ style. Just add suffix "J" in front of all other suffixes.
Forexample: **SX-23-57Jx70K**.

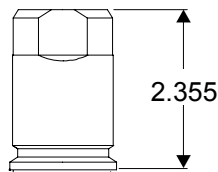
FORD C3, 10-1/4"



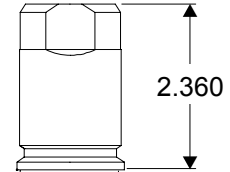
ILL. #2 IMPELLER HUBS, 1.610" DIA.



FH-1-CB30G



FH-1-30FG

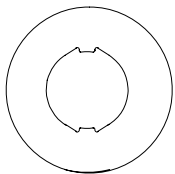


FH-1-31FG

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

ILL. #5 & #7 WASHERS

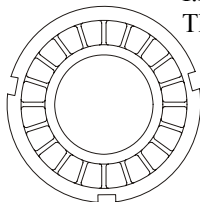
O.D. 2.95"
I.D. 1.47"



FW-2-30

Steel

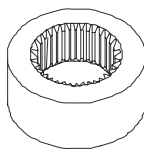
O.D. 3.34"
I.D. 1.70"
Thick. .59"



FW-4-2P

ILL. #8 INNER RACE

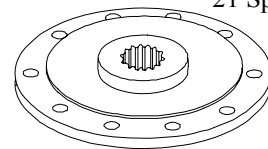
O.D. 2.10"
Height .98"
30 Spline



FX-14-30

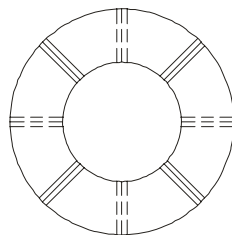
ILL. #14 TURBINE HUB

O.D. 3.85"
21 Spline



FX-13-30HT

ILL. #16 TURBINE WASHERS



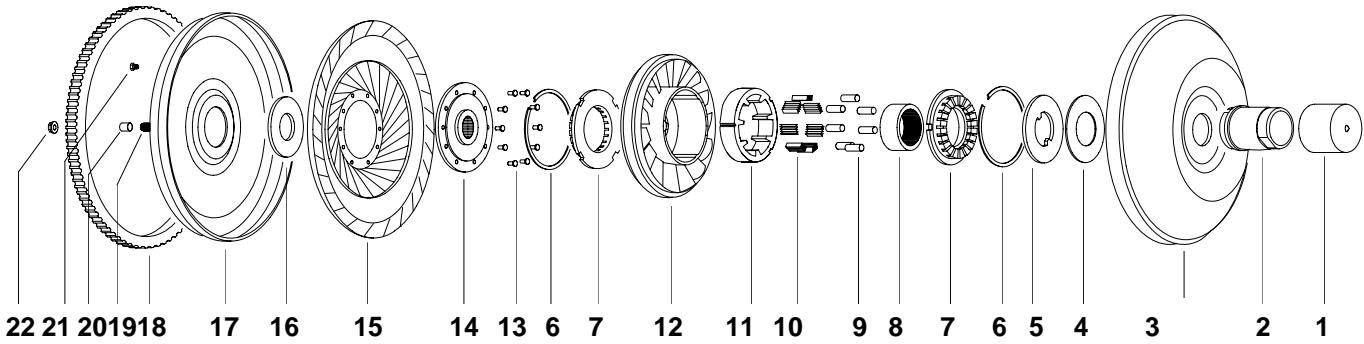
O.D. 2.75"
I.D. 1.33"

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®		MHC-B
2	Hub, Impeller		FH-1-30FG FH-1-31FG FH-1-CB30G
3	Impeller		
4	Shim, Selective		TW-2X10 TW-2X TW-2X30
5	Washer, Steel		FW-2-30
6	Ring, Snap	2	FX-20-10
7	Cap, Stator	2	FW-4-2P
8	Race, Inner		FX-14-30
9	Roller	7	FR-7
10	Spring, Accordion	7	FS-6-2
11	Cam		FX-15-3
12	Stator		
13	Rivet	10	FX-12L
14	Turbine Hub, Steel		FX-13-30HT
15	Turbine		10 1/4" Dia.
16	Washer, Turbine		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 <i>Add Suffix "F" For Fibre</i>
N.I.	Salvage Ring™		Inquire
17	Cover, Front		
18	Plug, Drain		FX-11 FX-11A
N.I.	Pad, Mounting		FX-10-30 FX-10-31
19	Bolt		FX-10-100 FX-10-150
N.I.	Pilot		FX-17-30 FX-17-31

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



ILL. #2 IMPELLER HUBS, 1.996" DIA.			
Butt Type		Thru Mount	
	2.375		2.562
FH-1-CB4G 1.750" I.D.		FH-1-CB8G 1.750" I.D.	
FH-1-CB9G 1.687" I.D.		FH-1-CB10G 1.687" I.D.	
	2.520		2.685
FH-1-4FG 1.750" I.D.		FH-1-8FG 1.750" 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"		O.D. 2.95" I.D. 1.99" Thick. .06"	
FW-2-1 .09" Thick FW-2-1A .11" Thick		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"	O.D. 3.34" I.D. 1.70" Thick. .59"	O.D. 3.34" I.D. 1.70" High. .56"
FW-4-2A	FW-4-2P	FW-4-17

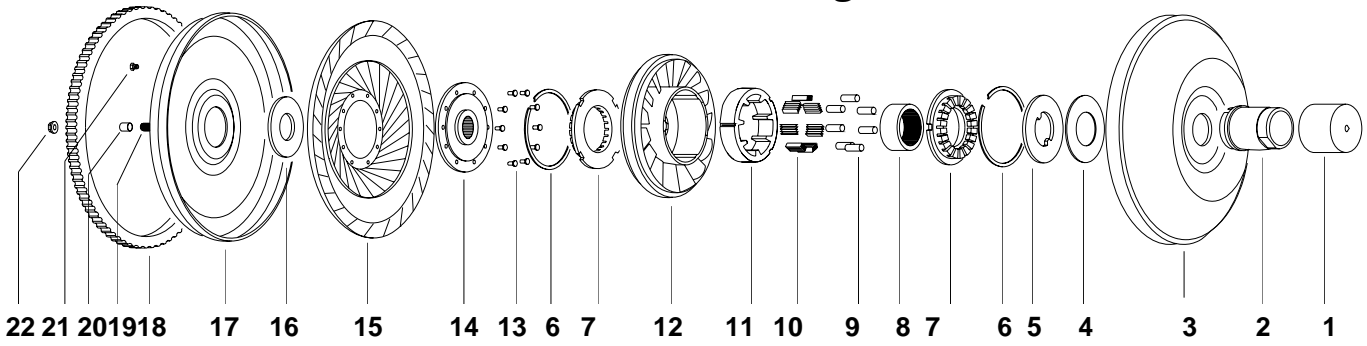
FORD C4, 10-1/4", 2 speed

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.	FH-1-CB4G
		2" Dia., 2.375" Long, 1.687" I.D.	FH-1-CB9G
		2" Dia., 2.375" Long, 1.750" I.D.	FH-1-CB8G
		2" Dia., 2.375" Long, 1.687" I.D.	FH-1-CB10G
		2" Dia., 2.520" Long, 1.750" I.D.	FH-1-4FG
		2" Dia., 2.520" Long, 1.687" I.D.	FH-1-9FG
		2" Dia., 2.685" Long, 1.750" I.D.	FH-1-8FG
		2" Dia., 2.685" Long, 1.687" I.D.	FH-1-10FG
		2" Dia., 1.69" I.D., 2.385" Long, Thru Mount 2 speed	FH-1-2FG
		2" Dia., 1.69" I.D., 2.385" Long, Thru Mount 2 speed	FH-1-2EG
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	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		2 FX-20-10
N.I.	Washer, Bronze	2 Tangs, .190" Long Tangs	2 FW-3-1
		2 Tangs, .250" Long Tangs	2 FW-3-1A
		4 Tangs	2 FW-3-2
7	Cap, Stator	3.34" O.D., Plastic (D5ZP-7937AA, C8DP-7837A)	2 FW-4-2P
		3.34" O.D., Aluminum	2 FW-4-2A
	Bearing Adapter	3.34" O.D., Plastic, Use w/Bearing SW-2-12	FW-4-17
8	Race, Inner	32 Spline, 2.10" O.D., .984" High	FX-14-2
		High Performance, Chrysler & GM Spline	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		

Continued ➡

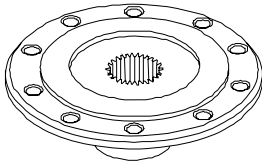
FORD C4, 10-1/4", 2 speed, Continued With & Without Ring Gear



ILL. #14

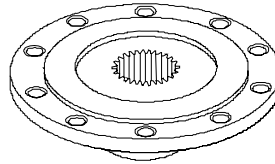
TURBINE HUBS

O.D. 3.85"
24 Spline



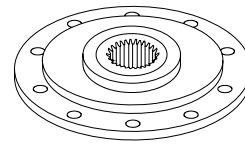
FX-13-1S

O.D. 3.85"
26 Spline



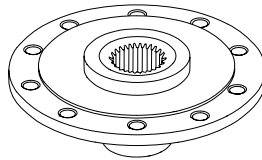
FX-13-4/4S

O.D. 3.85"
26 Spline



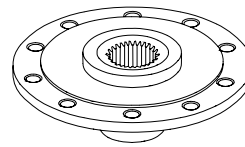
FX-13-6HT

O.D. 3.85"
24 Spline



FX-13C

O.D. 3.85"
30 Spline

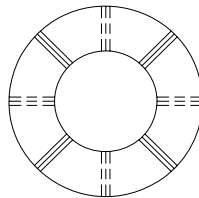


FX-13GMHT

ILL. #16

TURBINE WASHERS

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

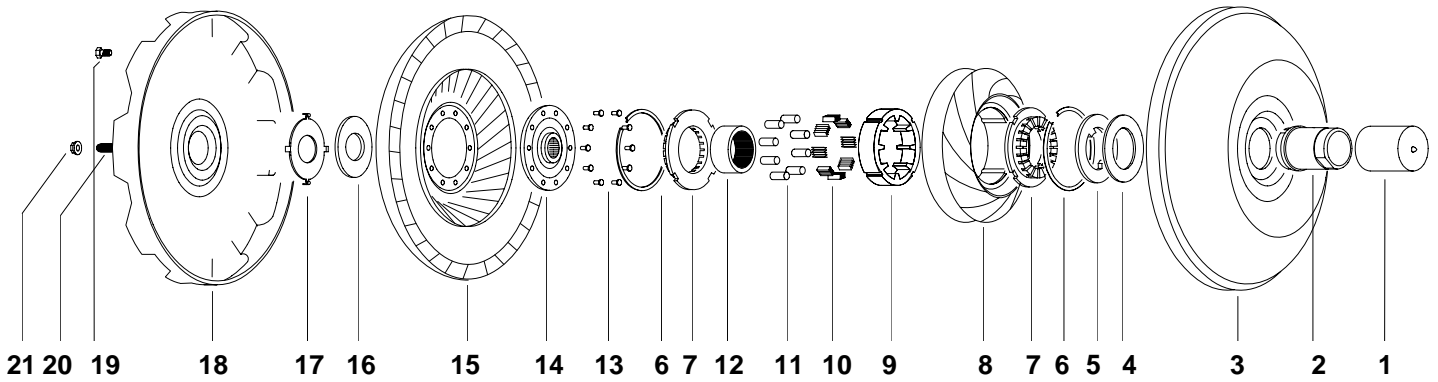


Part #	FW-9-4T	FW-9-4A	FW-9-4B	FW-9-4C	FW-9-4D	FW-9-4E	FW-9-4F	CW-9-3B	FW-9-4G
Thickness	.045	.062	.070	.079	.087	.096	.106	.156	.188

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

ILL.#		DESCRIPTION	QTY.	PART #
13	Rivet	.31" Long	10	FX-12
		.38" Long	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
		Taurus, 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
<p>FH-1-CB3G, 1.75" I.D. FH-1-CB11G, 1.69" I.D.</p>	<p>FH-1-CB14G, 1.75" I.D. FH-1-CB16G, 1.69" I.D.</p>	<p>FH-1-CB6G, 1.75" I.D. FH-1-CB5G, 1.69" I.D.</p>
Thru Mount, C4, C6	Thru Mount, C4, 11-1/4"	
<p>FH-1-6FG, 1.75" I.D. FH-1-5FG, 1.69" I.D.</p>	<p>FH-1-3FG, 1.75" I.D. FH-1-11FG, 1.69" I.D.</p>	
<p><i>Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC" - Hardness Rc 32-36</i></p>		

ILL. #5 STEEL WASHERS

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

ILL. #7 BRONZE WASHERS & STATOR CAPS

<p>O.D. 2.95" I.D. 1.99" Thick. .06"</p> <p>FW-3-1 FW-3-1/1A</p>	<p>FW-3-2</p>	<p>I.D. 2.02" Thick. .52"</p> <p>FW-4-3A 3.60" O.D. FW-4-4A 3.80" O.D.</p>	<p>I.D. 2.00" Thick. .59"</p> <p>FW-4-3P FW-4-4P</p>
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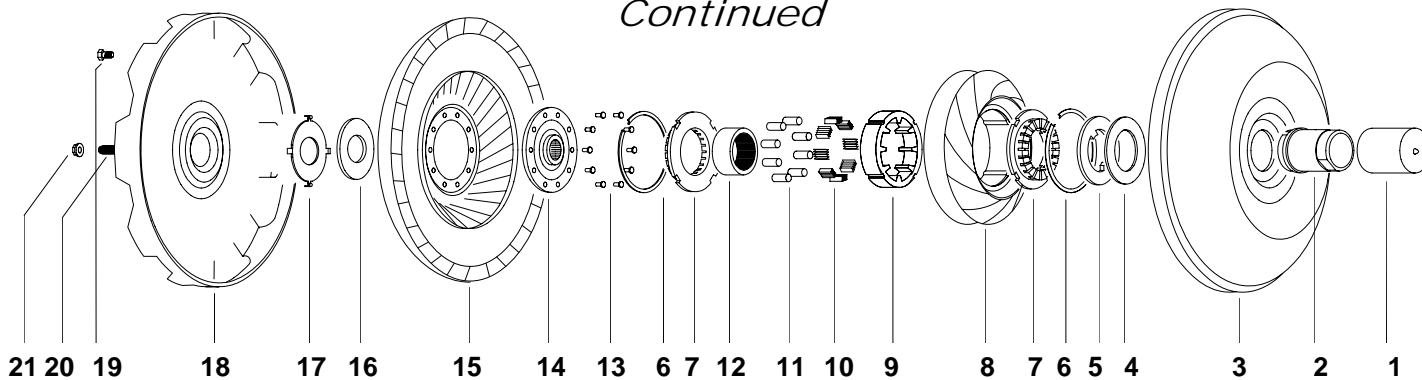
FORD C4, C6, 12" & C4 11-1/4", 2 SPEED

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, Plastic		FW-4-3P
		3.80" O.D., .59" Thick, Aluminum		FW-4-4A
		3.80" O.D., .59" Thick, Plastic		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	.31" Long	10	FX-12
		.38" Long	10	FX-12L

Continued ➡

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

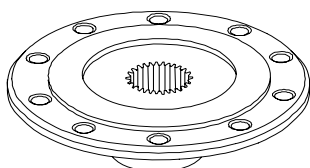
Continued



ILL. #14

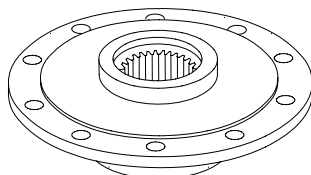
TURBINE HUBS

O.D. 3.85"
24 Spline



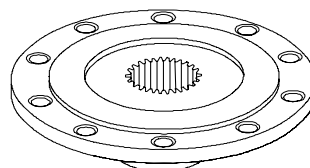
FX-13-1S

O.D. 3.85"
31 Spline



FX-13-2S

O.D. 3.85"
26 Spline

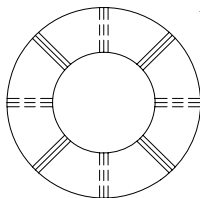


FX-13-4S

ILL. #16

TURBINE WASHERS

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

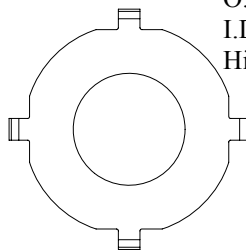


Part #	FW-9-4T	FW-9-4A	FW-9-4B	FW-9-4C	FW-9-4D	FW-9-4E	FW-9-4F	CW-9-3B	FW-9-4G
Thickness	.045	.062	.070	.079	.087	.096	.106	.156	.188

ILL. #17

STEEL WASHER

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



FW-9-5

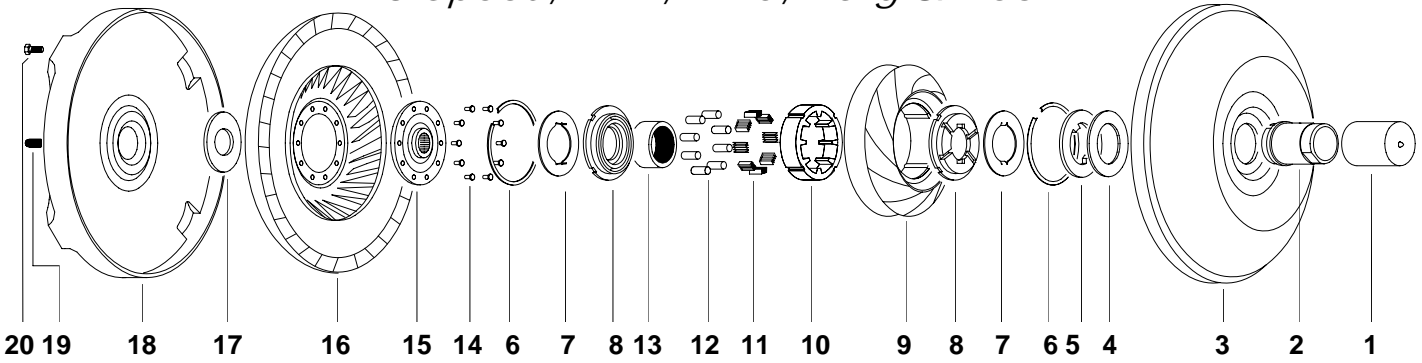
FORD C4, C6, 12" & C4 11-1/4", 2 SPEED

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 CAST IRON

3 Speed, FMX, AMC, Borg & Beck



ILL. #2	IMPELLER HUBS, 1.937" DIA.	1.996" DIA.
<p>FH-1MG</p>	<p>FH-1-1MG</p>	<p>FH-1MTG</p>
<p>FH-1LMG</p>	<p>FH-1MTAG</p>	<p>FH-1-5FG, 1.687" FH-1-6FG, 1.750"</p> <p style="text-align: right;">I.D.</p>
<p><i>Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC" - Hardness Rc 32-36</i></p>		

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		
<p>FW-3, .08" Thick</p>	<p>FW-3-1</p>	<p>FW-3-2</p>	
FW-3DW, .06" Thick			

ILL. #8	STATOR CAPS		
<p>FW-4</p>	<p>FW-4-3A</p>	<p>FW-4-3P</p>	

FORD CAST IRON

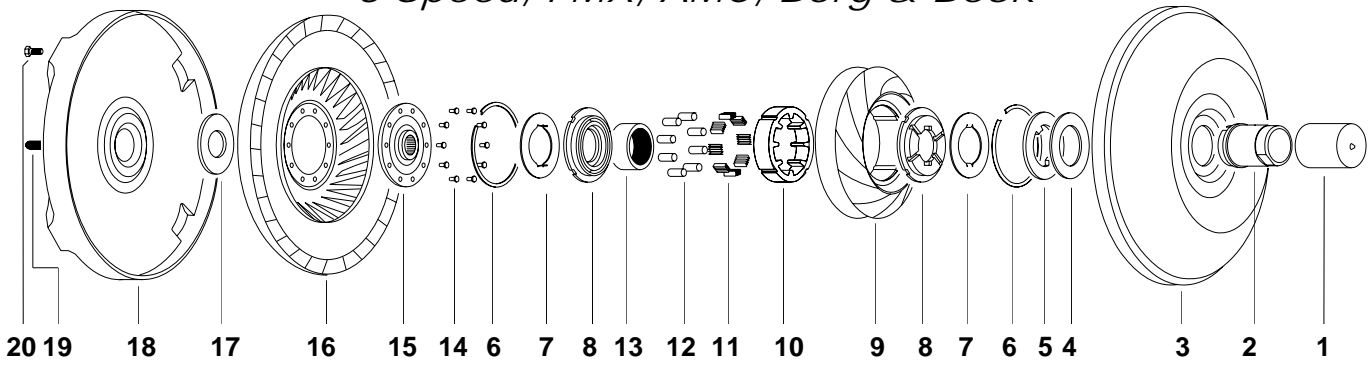
3 Speed, FMX, AMC, Borg & Beck

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

Continued

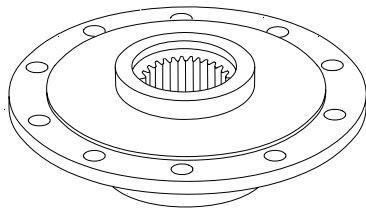
FORD CAST IRON, Continued

3 Speed, FMX, AMC, Borg & Beck



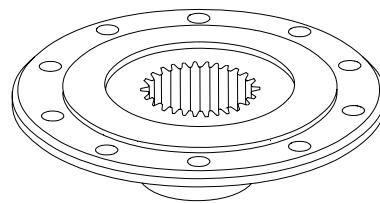
ILL. #15

TURBINE HUBS



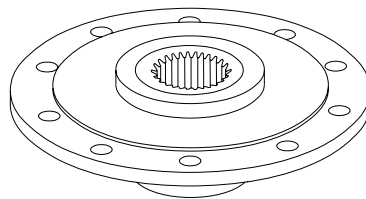
O.D. 3.85"
31 Spline

FX-13



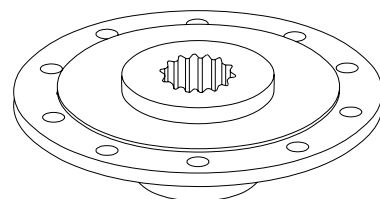
O.D. 3.84"
29 Spline

FX-13-3/S



O.D. 3.80"
29 Spline

FX-13-7



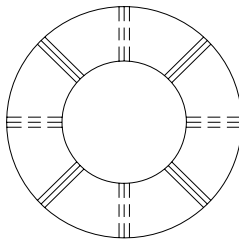
O.D. 3.80"
17 Spline

FX-13-8

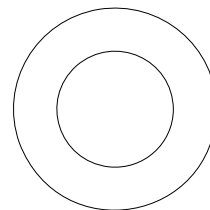
ILL. #17

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

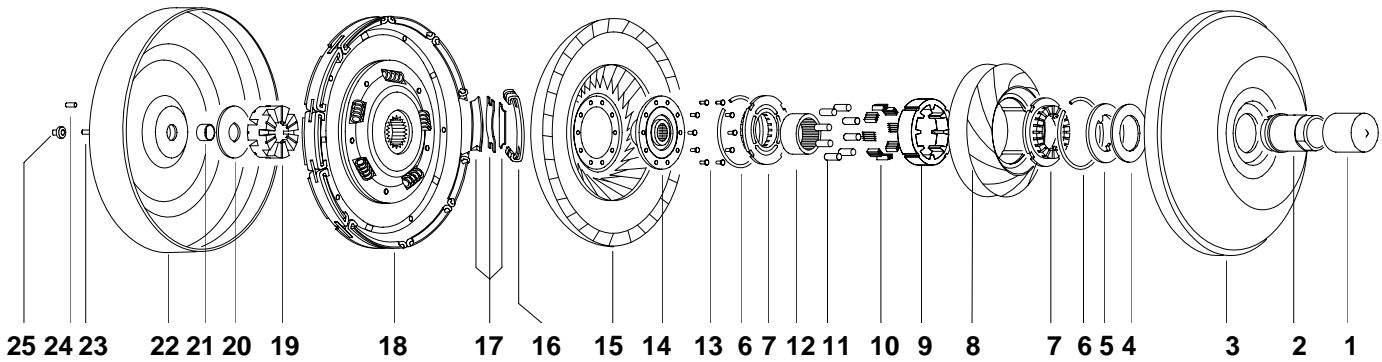
FW-9	O.D.	I.D.
	2.43"	1.26"
FW-9-1	2.50"	1.32"

FORD CAST IRON, *Continued*

3 Speed, FMX, AMC, Borg & Beck

ILL#		DESCRIPTION	QTY.	PART #
14	Rivet	.31" Long	10	FX-12
		.38" Long	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 C5

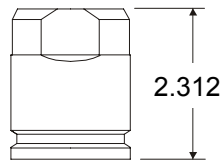


ILL. #2

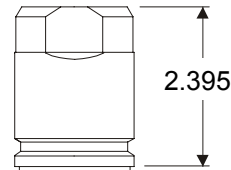
IMPELLER HUBS, 2.000" DIA.

Butt Mount

Thru Mount



FH-1-CB5G

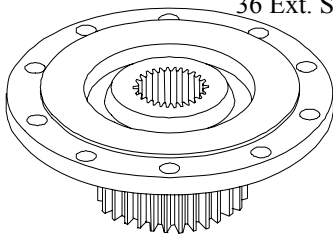


FH-1-5FG

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

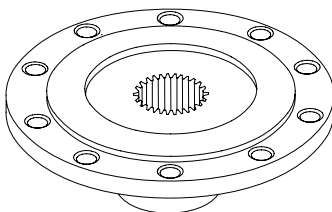
ILL. #14 TURBINE HUBS

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



FX-13-12HT

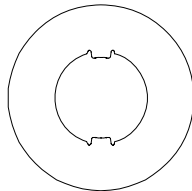
O.D. 3.85
26 Int. Spline



FX-13-4HT

ILL. #5 WASHERS

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

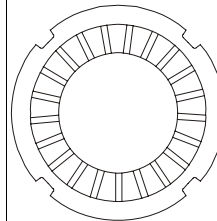


FW-2-1 .09" Thick.
FW-2-1A .11" Thick.

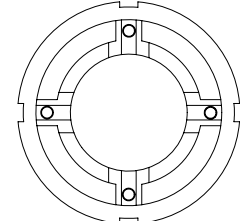
ILL. #7

STATOR CAPS

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



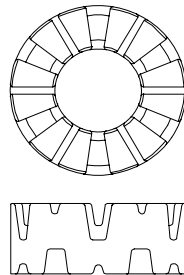
FW-4-13
Thick. .68"



FW-4-18
Thick. .56"

ILL. #19 SPACER

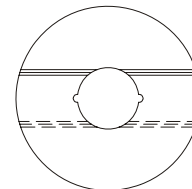
I.D. 1.35"
O.D. 2.76"
Thick. 1.19"



FW-9-10

ILL. #20 TURBINE WASHERS

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

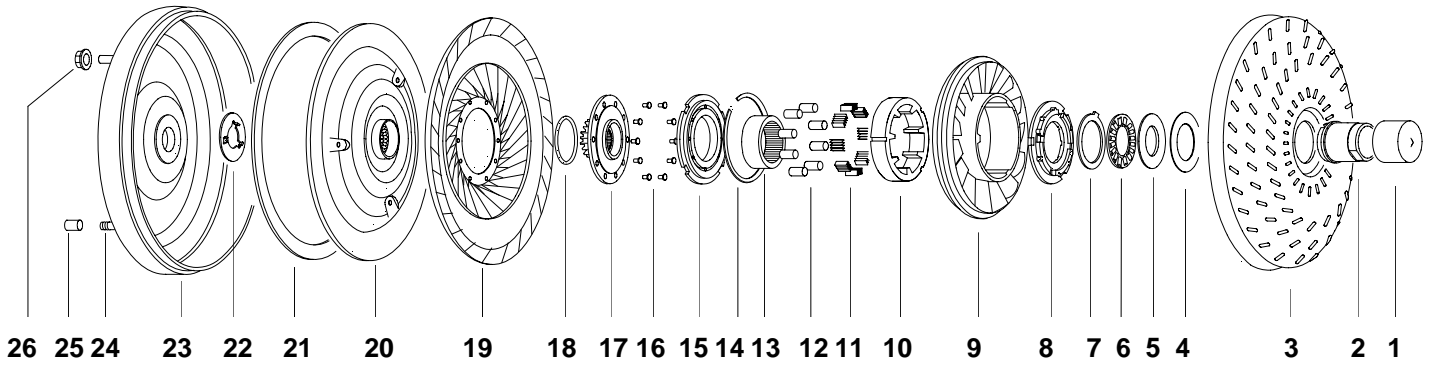


FW-9-9A, .047 Thick
FW-9-9B, .062 Thick
FW-9-9C, .094 Thick

FORD C-5

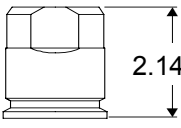
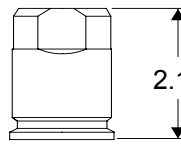
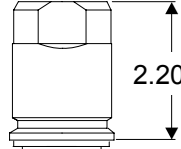
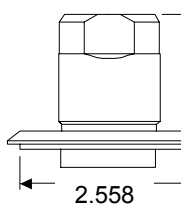
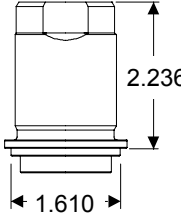
ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap®		MHC-R
2	Hub, Impeller		FH-1-5FG
			FH-1-CB5G
3	Impeller		
4	Shim, Selective		MW-2-10
	.010" Thick		
	.020" Thick		MW-2-20
	.030" Thick		MW-2-30
5	Washer, Steel		FW-2-1
	.09" Thick		
	.11" Thick, Oversize		FW-2-1A
6	Ring, Snap	2	FX-20-11
7	Cap, Stator		
	Plastic, E5DP-7937AA, E9TP-7937AA (Alt. FW-4-3P)	2	FW-4-13
	Plastic, Heavy Duty, F7AP-7937AA	2	FW-4-19
	Adapter, Bearing	2	FW-4-18
	Use With SW-2-12 Bearing		
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		FX-13-12HT
	OE #E2AP-7926-AA, 26 Int. .36 Ext. Spline		
	Clutch Eliminator		FX-13-4HT
	OE #DOAP-7926B, 26 Spline, Use w/ FW-9-10 Spacer		
15	Turbine		
	12" Dia.		
16	Brake Shoe	10	FX-23-201R
17	Spring, Flat		<i>Inquire</i>
18	Lockup Clutch		
19	Spacer		FW-9-10
	Clutch Eliminator™, Use FX-13-4 Turbine Hub		
	Clutch Eliminator™, Floating, Use OE Turbine Hub		FW-9-10C
20	Washer, Turbine		FW-9-9A
	.047" Thick		
	.062" Thick		FW-9-9B
	.094" Thick		FW-9-9C
21	Bushing, Cover		FB-18-3
	Use FB-18-3X For Salvage		
N.I.	Salvage Ring™		FX-21-1005
	Coresaver™, .375" Wide		
	Coresaver™, .250" Wide		FX-21-1005NR
22	Cover, Front		
23	Stud	4	FX-10-3
	3/8-24		
24	Studcap™	4	MHC-STD
	Plastic Stud Protector		
25	Nut	4	FX-10-7
	3/8 -24		

FORD A4LD, 4R55E



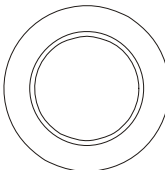
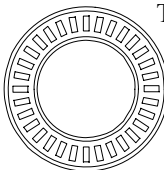
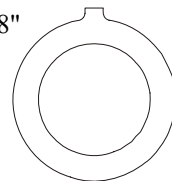
ILL. #2

IMPELLER HUBS, 1.610" Dia.

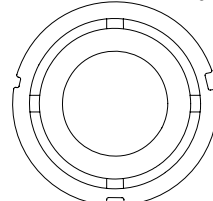
				
2.14	2.17	2.205	2.177	2.236
FH-1-14TGM	FH-1-14TGRC 1.610" O.D. FH-1-15TGRC 1.612" O.D.	FH-1-14FGRC FH-1-15FGRC	FH-1-18FLGRC	FH-1-23GRC
Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC" - Hardness Rc 32-36				

ILL.# 5, 6, 7

BEARING & RACES

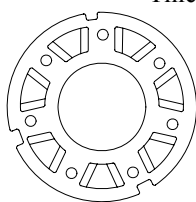
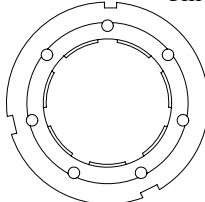
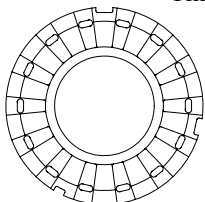
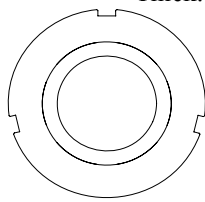
		
O.D. 2.35" I.D. 1.48" Thick. .04"	O.D. 2.36" I.D. 1.57" Thick. .125"/.108"	O.D. 2.48" I.D. 1.71" Thick. .04"
FW-2-3	JW-2ND/JW-2N	FW-2-4
FW-2BKHD/FW-2BK		

ILL. #8 STATOR CAP


O.D. 3.34" I.D. 1.72" Thick. .43"
FW-4-10

ILL. #15

STATOR CAPS

			
O.D. 3.35" I.D. 1.70" Thick. .43"	O.D. 3.35" I.D. 1.74" Thick. .39"	O.D. 3.35" I.D. 1.70" Thick. .39"	O.D. 3.35" I.D. 1.70" Thick. .36"
FW-4-11	FW-4-16	FW-4-22	FW-4-24

FORD A4LD, 4R55E

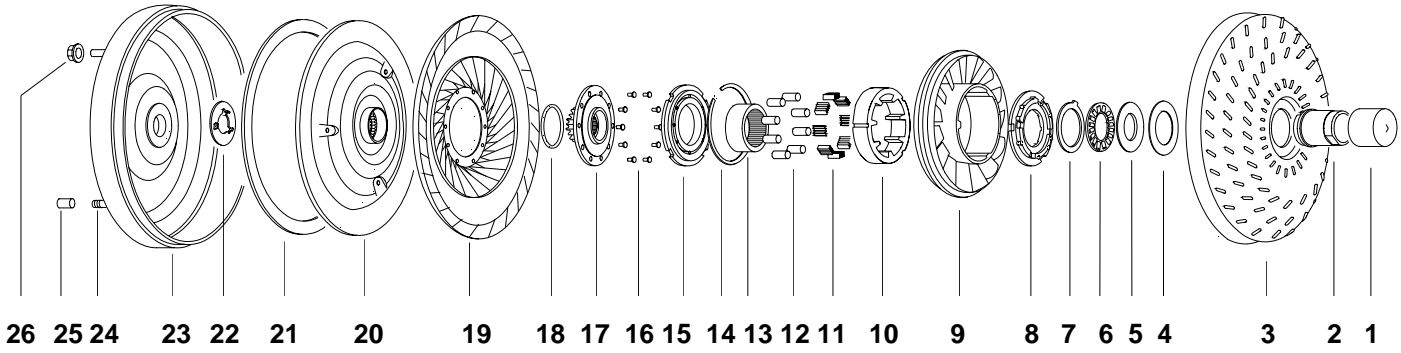
ILL#	DESCRIPTION	QTY.	PART #
1	Hubcap®	Black, For 1-5/8" Dia. Hubs	MHC-B
2	Hub, Impeller	Butt Mount, 2.14" High	FH-1-14TGM
		Butt Mount, 2.17" High, 1.610" O.D.	FH-1-14TG
		Butt Mount, 2.23" High, 1.612" O.D.	FH-1-15TG
		Thru Mount, 2.21" High	FH-1-14FG
		Flanged, Heat Treated	FH-1-18FLGRC
		Flanged, To Adapt AXOD Impellers Into A4LD	FH-1-23GRC
3	Impeller		
4	Shim, Selective	.010" Thick (Replaced by TW-2X10)	FW-2-010
		.020" Thick (Replaced by TW-2X)	FW-2-020
		.030" Thick (Replaced by TW-2X30)	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	Plastic, 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

Continued 

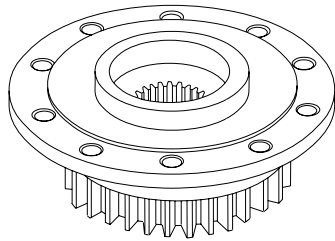
FORD A4LD, 4R55E

Continued



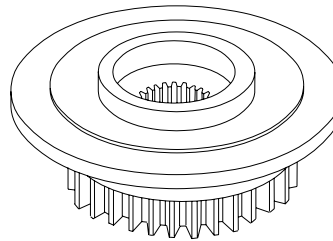
ILL. #17

TURBINE HUBS



FX-13-13S

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

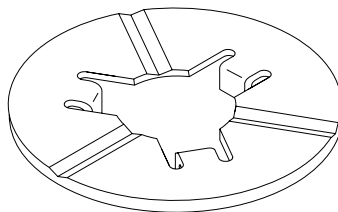


FX-13-33HT

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

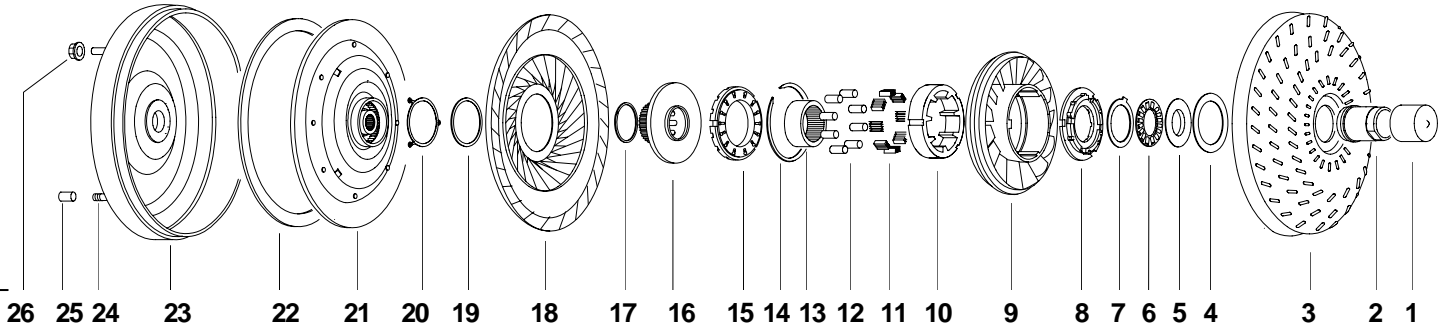
PART #	FW-9-12A	FW-9-12B	FW-9-12C	FW-9-12D	FW-9-12E	FW-9-12F
	FW-9-16A	FW-9-16B	FW-9-16C	FW-9-16D	FW-9-16E	FW-9-16F
THICK.	.062	.070	.080	.088	.098	.108

FORD A4LD, 4R55E

Continued

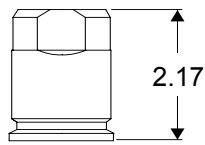
ILL.#		DESCRIPTION	QTY.	PART #
21	Lining	9-3/4" O.D., 8-1/4" I.D., .045" Thick		YX-23-3
		9.725" O.D., 8.25" I.D., .045" Thick		FX-23-57
		9-5/8" O.D., 8-3/8" I.D., .045" Thick		FX-23-63T
		9-11/16" O.D., 8-1/4" I.D., .045" Thick, (Optional Lining O.D.)		FX-23-19
		10" O.D., 8-1/4" I.D., .045" Thick, (Front Cover)		YX-23-1
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
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

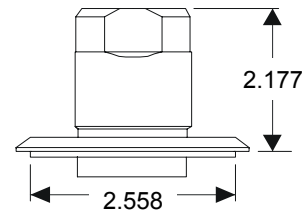


ILL. # 2

IMPELLER HUB, 1.610" DIA.



FH-1-14TGRC

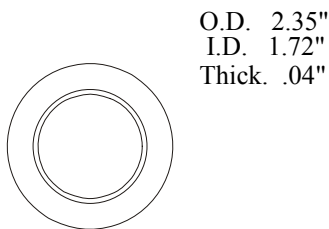


FH-1-18FLGRC

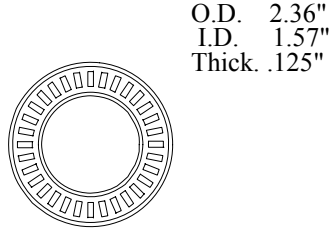
Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"-Hardness Rc 32-36

ILL.# 5, 6, 7

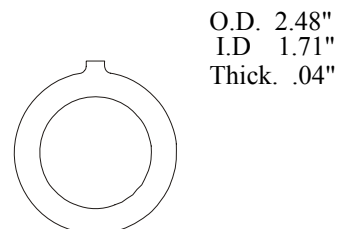
BEARING & RACES



FW-2-3



JW-2ND



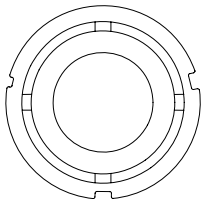
FW-2-4

FW-2BK

ILL. # 8 & 15

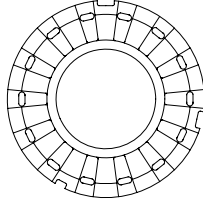
STATOR CAPS & BEARING ADAPTER

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



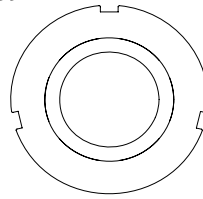
FW-4-10

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



FW-4-22

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

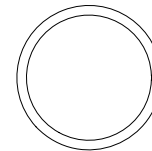


FW-4-24

ILL. #19

SHIM, STEEL

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



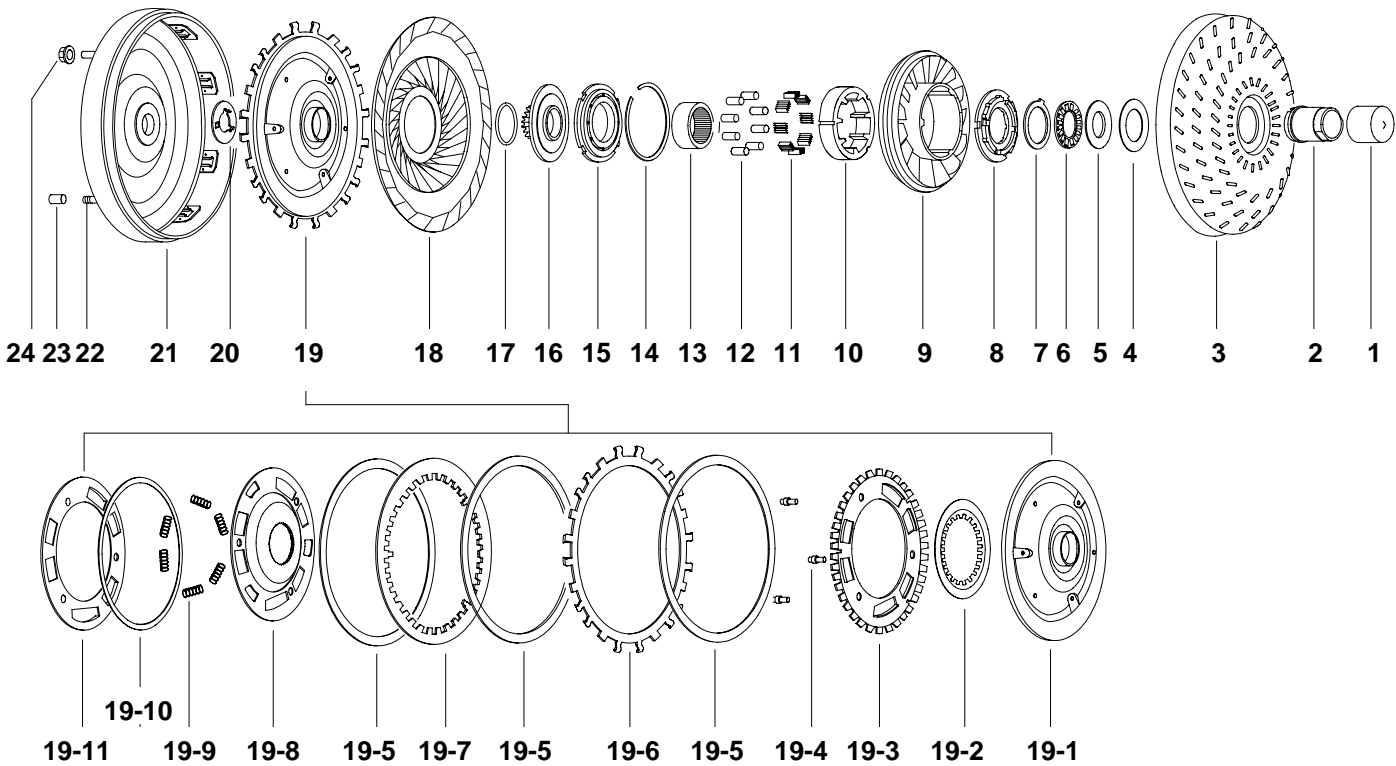
FW-9-21	A	B	C	G	H
Thickness	.083"	.067"	.051"	.035"	.020"

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, Heavy Duty		JW-2ND
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 Plastic, 97GT-7937-AA, 3L2P-7937-AA, XP56T-7937-AA Bearing Adapter 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. 2-22</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 Assembly, 8 Double Springs, 21 Internal Spline Insert 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
	<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>		
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
FW-2-4 } Bearing And Race Kit, **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"	O.D. 2.36" I.D. 1.57" Thick. .12"
FW-2-4	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	O.D. 3.50" 21 Spline
FX-13-13S	FX-13-33HT

FORD A4LD MULTI-CLUTCH 4.0

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

*NOTE: FW-2-3
JW-2ND
FW-2-4



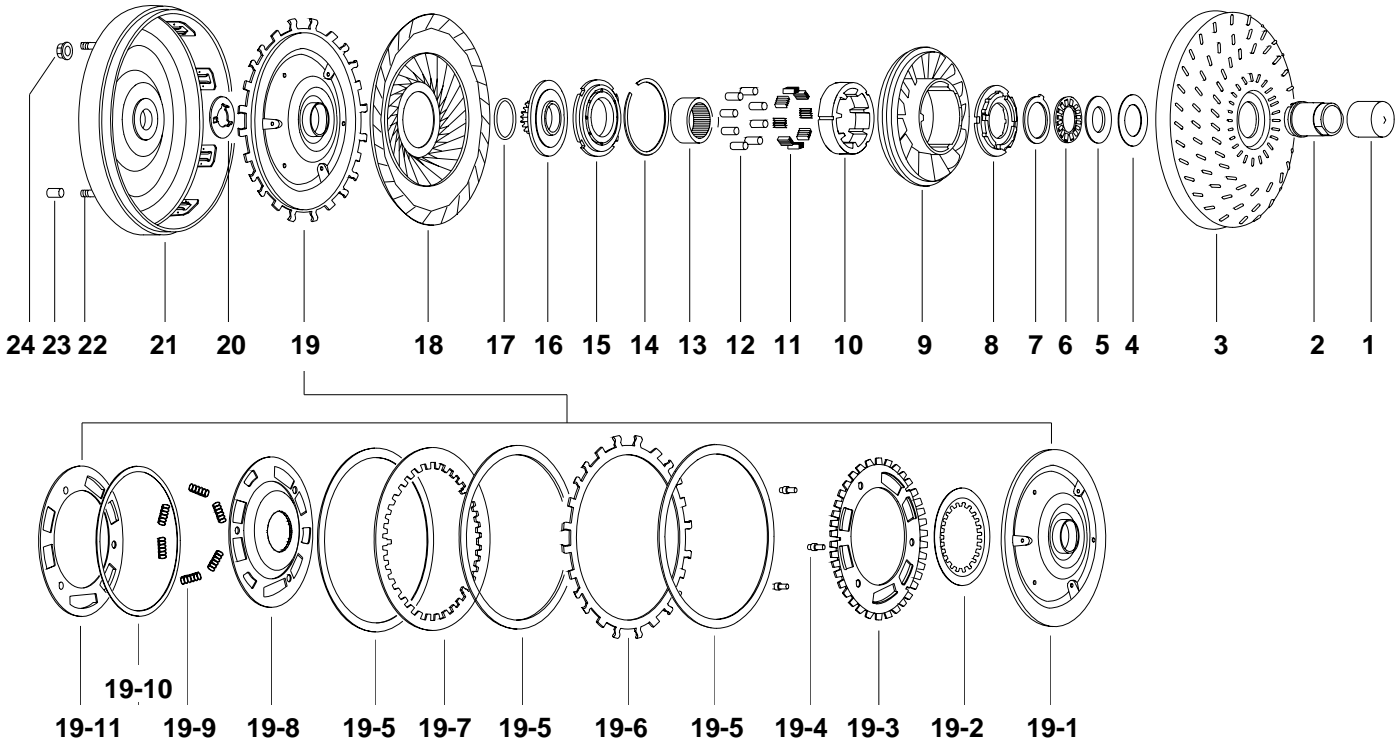
Bearing And Race Kit, **FW-2BK**

Continued



FORD A4LD MULTI-CLUTCH 4.0

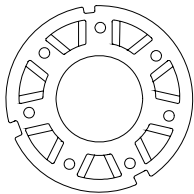
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ILL. #15

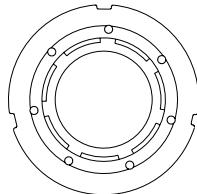
STATOR CAPS

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



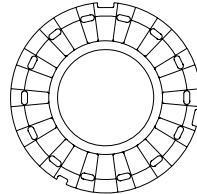
FW-4-11

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



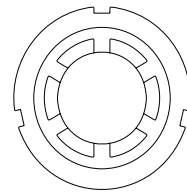
FW-4-16

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



FW-4-22

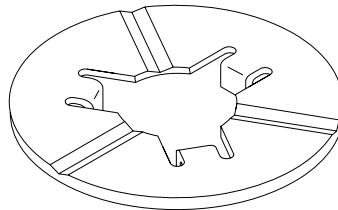
O.D. 3.34"
I.D. 1.70"
Thick. .43"



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

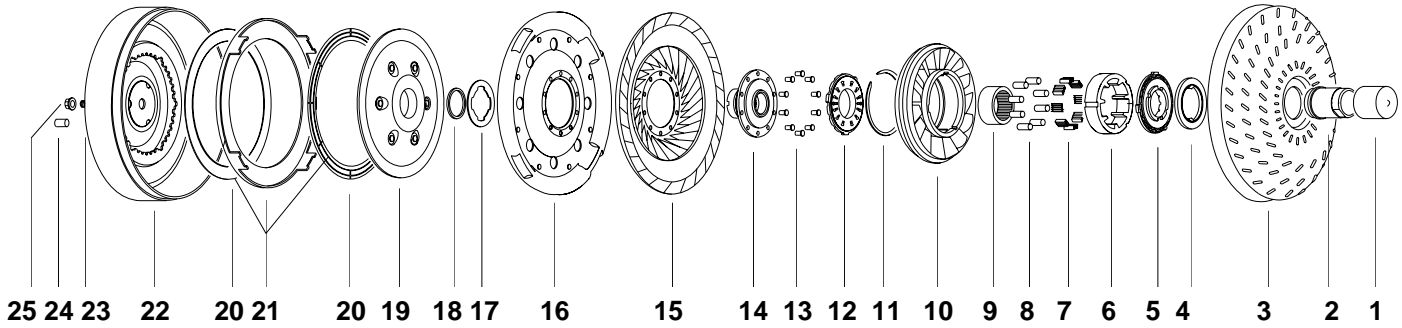
FORD A4LD MULTI-CLUTCH 4.0

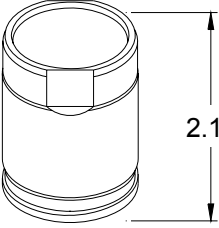
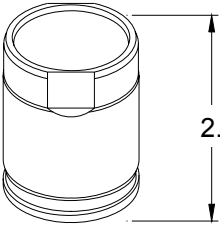
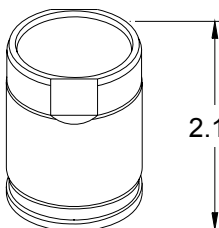
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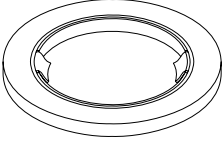
ILL.#	DESCRIPTION	QTY.	PART #
19-1	Piston		
19-2	Spring, Diaphragm		
19-3	Plate, Damper		
19-4	Rivet	Damper Assembly, OE Style, .82" Long	3 FX-12-4
		1.00" Long	3 FX-12-4A
19-5	Lining	9-3/8" O.D., 8-1/8" I.D., .045" Thick	3 FX-23-18
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
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
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
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

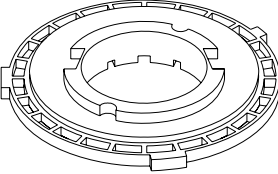
FORD 5R55N, 5R55S, 5R55W

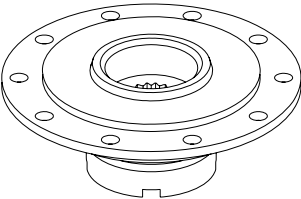
5 Spd, RWD, Lincoln Aviator, LS, 2002-2006

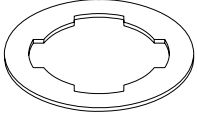


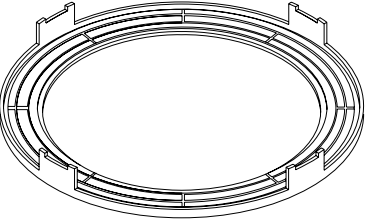
ILL. #2	IMPELLER HUBS, 1.610" DIA.	1.612" DIA.
		
FH-1-14TG	FH-1-14TGM	FH-1-15TG
<i>Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36</i>		

ILL. #4	BEARING
	O.D. 2.89" I.D. 1.99" Thick. .197"
FW-2-9	

ILL. #5,12	STATOR CAPS	
	O.D. 3.35" I.D. 1.55" Thick. .44"	O.D. 3.35" I.D. 1.68" Thick. .38"
FW-4-33	FW-4-30	

ILL. #14	TURBINE HUB
	O.D. 3.80" 21 Spline
FX-13-44HT	

ILL. #17	TURBINE WASHER
	O.D. 2.63" I.D. 1.68" Thick. .06"
FW-9-26	

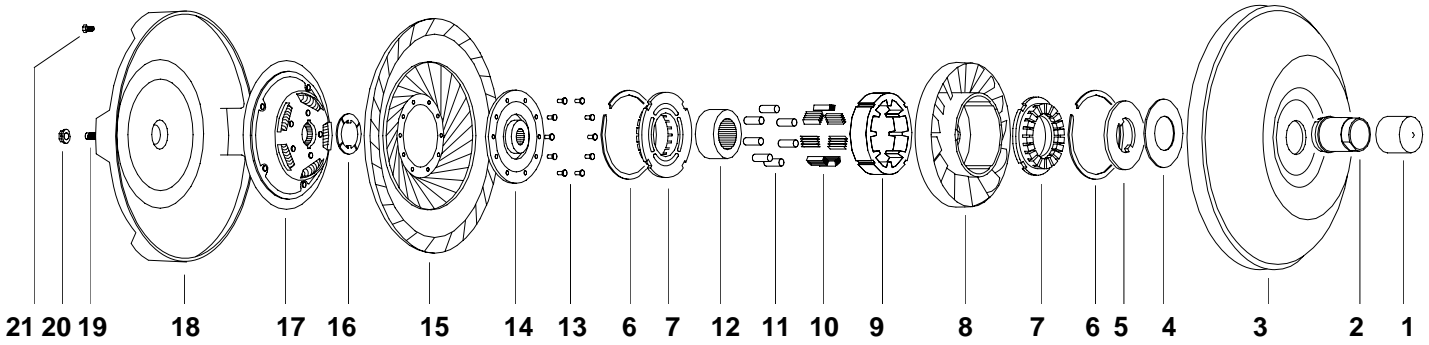
ILL. #21	PLATE, CLUTCH
	O.D. 9.55" I.D. 7.25"
FX-23-53	

FORD 5R55N, 5R55S, 5R55W

5 Spd, RWD, Lincoln Aviator, LS, 2002-2006

ILL.#	DESCRIPTION	QTY.	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 Plastic, 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 Plastic, 3.35" O.D., 1.68" I.D., .38" Thick OE # 3XW4P-7937-AA		FW-4-30
13	Rivet .215" Shank Dia., .32" Long	10	FX-12
	.215" Shank Dia., .38" Long	10	FX-12L
	.215" Shank Dia., .38" 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 Plastic, 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 Scarf Cut Option, 1.71" O.D., .111" Thick		FO-25-14 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		FX-23-53
	7.94" I.D., Double Lining, Optional		FX-23-31
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.

<p>FH-1-CB5G</p>	<p>FH-1-5FG</p>
<p><i>Suffix Code: No Suffix Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36</i></p>	

ILL. # 5 STEEL WASHERS

<p>O.D. 3.08" I.D. 1.87"</p> <p>FW-2-1 .09" Thick FW-2-1A .11" Thick</p>
--

ILL. # 7 STATOR CAPS

<p>O.D. 3.60" I.D. 2.00" Plastic</p>										
<table border="1"> <tr> <th>Part #</th> <td>FW-4-3P</td> <td>FW-4-15 (Heavy Duty)</td> <td>FW-4-13</td> <td>FW-4-19 (Heavy Duty)</td> </tr> <tr> <th>Thickness</th> <td>.59"</td> <td>.59"</td> <td>.69"</td> <td>.69"</td> </tr> </table>	Part #	FW-4-3P	FW-4-15 (Heavy Duty)	FW-4-13	FW-4-19 (Heavy Duty)	Thickness	.59"	.59"	.69"	.69"
Part #	FW-4-3P	FW-4-15 (Heavy Duty)	FW-4-13	FW-4-19 (Heavy Duty)						
Thickness	.59"	.59"	.69"	.69"						

BEARING ADAPTERS

<p>O.D. 3.60" I.D. 2.00" Aluminum</p>						
<table border="1"> <tr> <th>Part #</th> <td>FW-4-14</td> <td>FW-4-18</td> </tr> <tr> <th>Thickness</th> <td>.66"</td> <td>.57"</td> </tr> </table>	Part #	FW-4-14	FW-4-18	Thickness	.66"	.57"
Part #	FW-4-14	FW-4-18				
Thickness	.66"	.57"				

ILL. # 14 TURBINE HUB

<p>O.D. 3.85" 35 Spline</p> <p>FX-13-10HT</p>
--

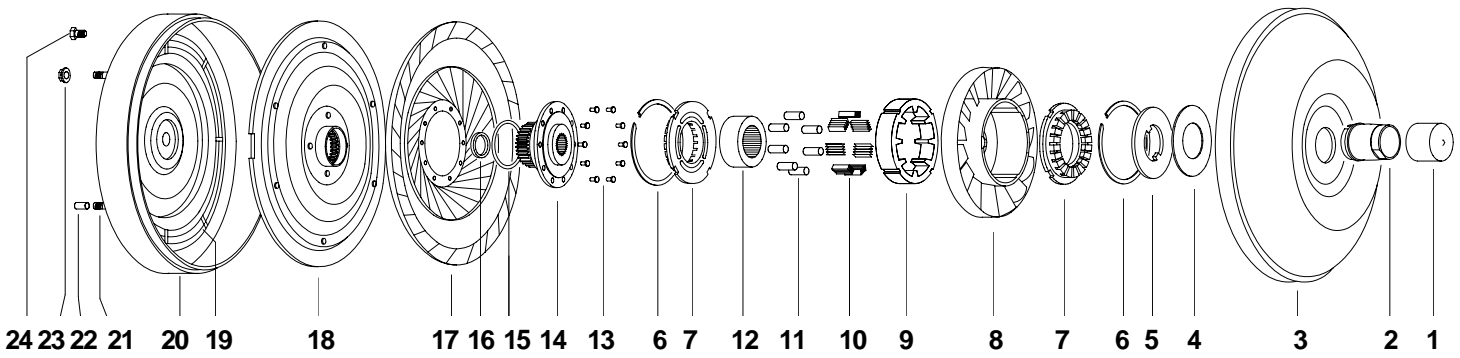
ILL. # 16 TURBINE WASHERS

<p>O.D. 2.74" I.D. 1.46" Thick. .04"</p> <p>FW-9-13</p>	<p>O.D. 2.74" I.D. 1.46" Thick. .06"</p> <p>FW-9-6</p>	<p>O.D. 2.75" I.D. 1.45" Thick. .06"</p> <p>TW-9-5A</p>
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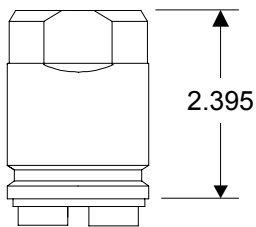
FORD AOD (FIOD)

ILL. #	DESCRIPTION	QTY.	PART #
1	Hubcap®		MHC-R
2	Hub, Impeller		FH-1-5FG
			FH-1-CB5G
3	Impeller		
4	Shim, Selective		MW-2-10
			MW-2-20
			MW-2-30
5	Washer, Steel		FW-2-1
			FW-2-1A
6	Ring, Snap	2	FX-20-11
7	Cap, Stator	2	FW-4-3P
			FW-4-15
			FW-4-13
			FW-4-19
	Adapter, Bearing		FW-4-14
			FW-4-18
8	Stator		
9	Cam		FX-15-4
10	Spring, Accordion	8	FS-6-2
		8	FS-6-8
11	Roller	8	FR-7
		8	FR-7-2
12	Race, Inner		FX-14-1
			FX-14-5
13	Rivet	10	FX-12L
14	Turbine Hub, Steel		FX-13-10HT
15	Turbine		
16	Washer, Turbine		FW-9-6
			FW-9-6P
			FW-9-13
			TW-9-5AF
17	Damper Assembly		FX-22-8A
N.I.	Damper Eliminator		FX-22-26K
N.I.	Hub, Splined		FX-22-6BHD
N.I.	Salvage Ring™		FX-21-1005
			FX-21-1005NR
18	Cover, Front		
19	Stud	4	FX-10-4
N.I.	Studcap™	4	MHC-STD
20	Nut	4	FX-10-7
21	Plug, Drain		FX-11
			FX-11A

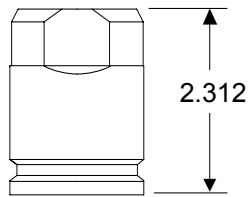
FORD AOD-E, 4R70W



ILL. # 2 IMPELLER HUBS, 1.996" DIA.



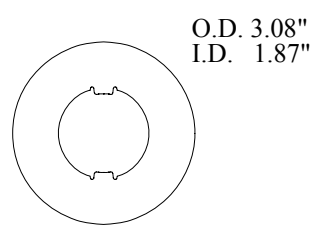
FH-1-5FG



FH-1-CB5G

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

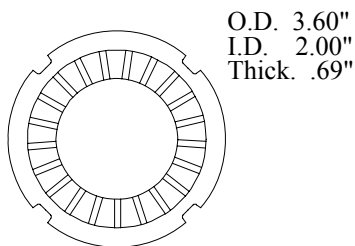
ILL. # 5 STEEL WASHERS



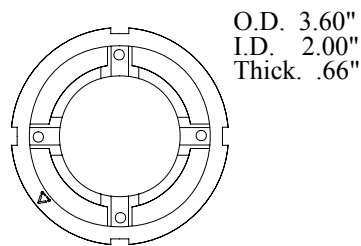
FW-2-1 Thick. 0.09"

FW-2-1A Thick. 0.11"

ILL. # 7 STATOR CAPS & BEARING ADAPTER

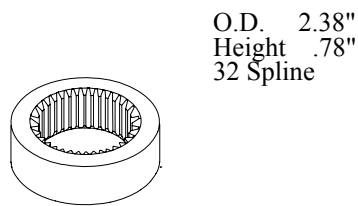


FW-4-13
FW-4-19 (Heavy Duty)



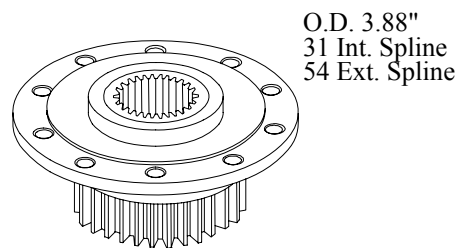
FW-4-14 Use w/ **SW-2-12** Bearing

ILL. # 12 INNER RACE



FX-14-5

ILL. # 14 TURBINE HUB

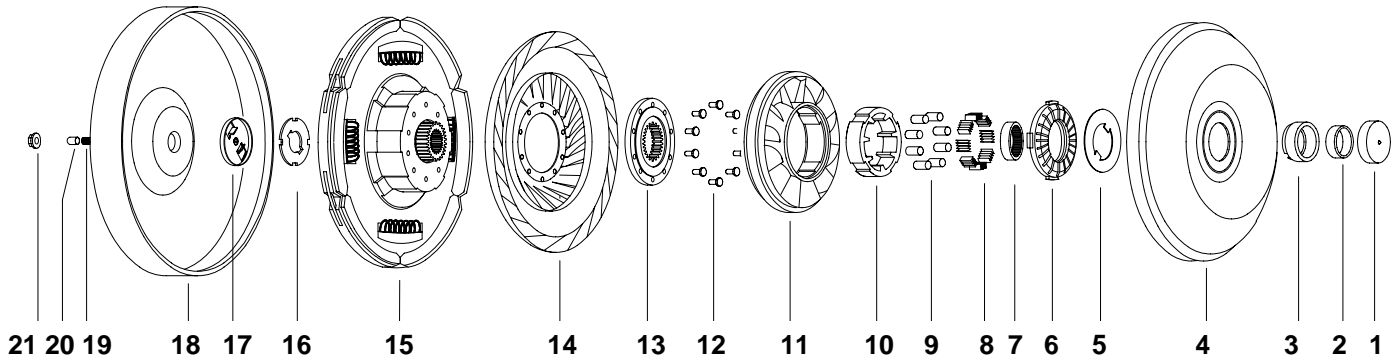


FX-13-20HT

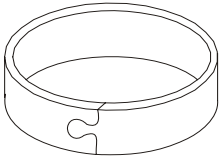
FORD AOD-E, 4R70W

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap®		MHC-R
2	Hub, Impeller		FH-1-5FG
3	Impeller		
4	Shim, Selective		MW-2-10
			MW-2-20
			MW-2-30
5	Washer, Steel		FW-2-1
			FW-2-1A
6	Ring, Snap	2	FX-20-11
7	Cap, Stator		FW-4-13
		2	FW-4-19
	Adapter, Bearing		FW-4-14
8	Stator		
9	Cam		FX-15-6
10	Spring, Accordion	8	FS-6-8
11	Roller	8	FR-7-2
12	Race, Inner		FX-14-5
13	Rivet	10	FX-12L
14	Turbine Hub, Steel		FX-13-20HT
15	O-Ring		FO-25-5V
16	Seal, Metal Clad		FO-25-6
17	Turbine		
18	Lockup Clutch		FX-23-106
			FX-23-109
19	Lining		FX-23-26M
			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™		FX-21-1005
20	Cover, Front		
21	Stud	4	FX-10-3
22	Studcap™	4	MHC-STD
23	Nut	4	FX-10-7
24	Plug, Drain		FX-11
			FX-11A

FORD ATX LOCKUP & NON-LOCKUP



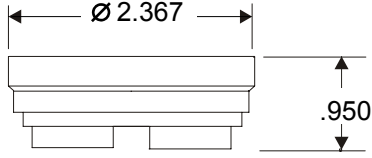
ILL. #2 BUSHING



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

FB-18

ILL. #3 IMPELLER HUB

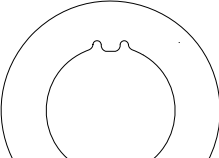


Ø 2.367
.950

FH-1-12G

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

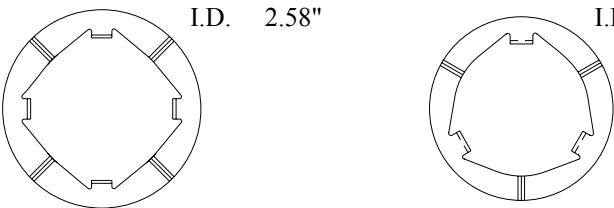
ILL. #5 WASHER



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

FW-2-2

N.I. WASHERS

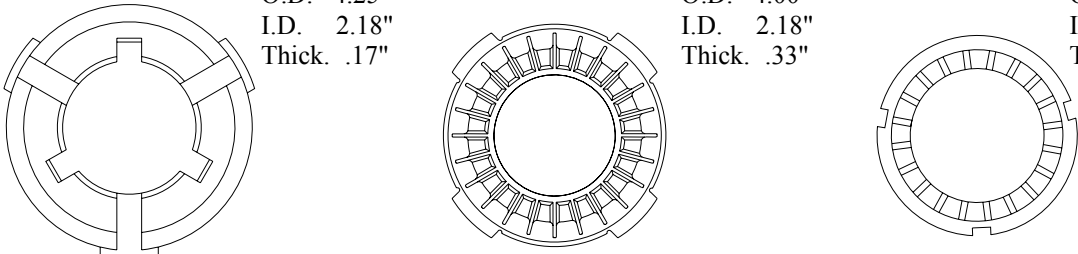


O.D. 3.66"
I.D. 2.58"

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

FW-3-3 **FW-3-4**

ILL. #6 STATOR CAPS



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

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

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

FW-4-6 **FW-4-7** **FW-4-12**

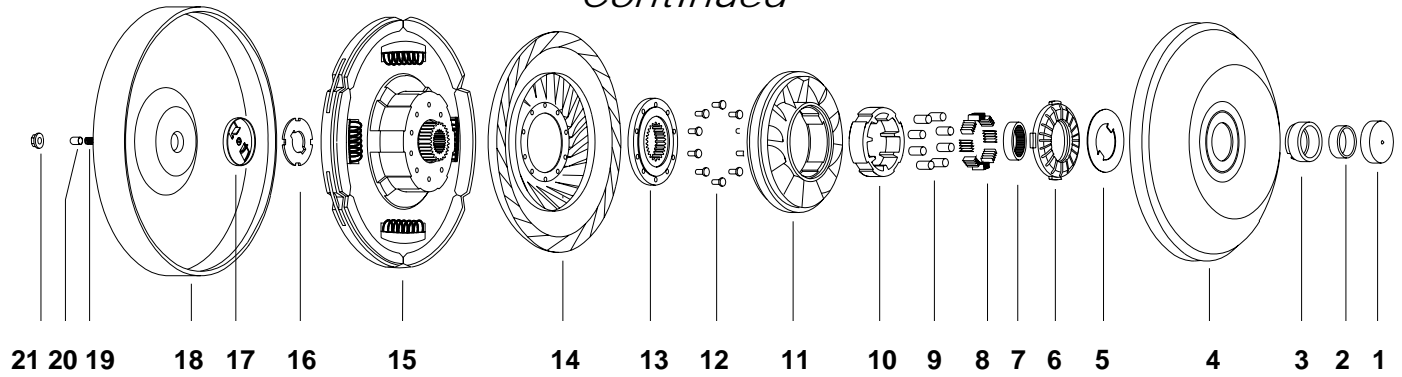
FORD ATX LOCKUP & NON-LOCKUP

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
		Plastic, Replaces FW-4-5 & FW-3-3 (E4EP-7937-AA)		FW-4-7
		Aluminum, Front, 3 Lugs (E1EP-7F435-AA)		FW-4-6
		Plastic (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	.31" Long	10	FX-12
		.39" Long	10	FX-12L

Continued ➡

FORD ATX LOCKUP & NON-LOCKUP

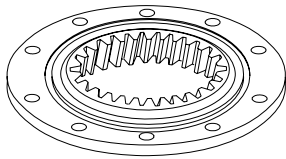
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ILL. #13

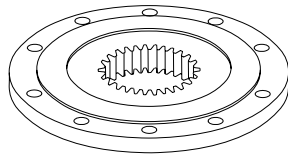
TURBINE HUBS & INSERT

O.D. 4.30"
48 Spline



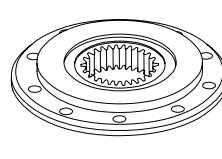
FX-13-11HT

O.D. 4.30"
44 Spline



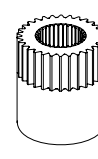
FX-13-15HT

O.D. 3.80"
30 Spline



FX-13-16HT

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

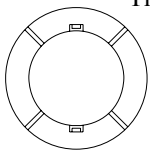


FX-13-17HT

ILL. #15

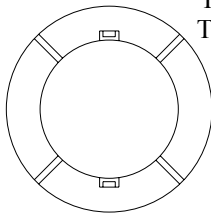
WASHERS

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



FW-9-7

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

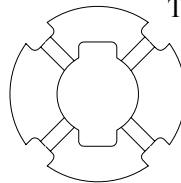


FW-9-8

ILL. #16

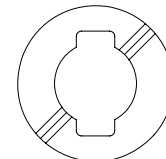
TURBINE WASHER

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



FW-9-14

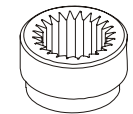
O.D. 1.78"
I.D. .94"
Thick. .16"



Optional design

ILL. # N.I.

KIT, INSERT



FX-13-18



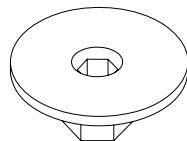
FX-22-24

FX-13-28K

ILL. # 17

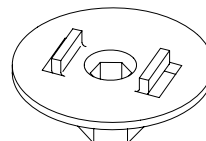
PLATES

O.D. 1.50"
Height .58"



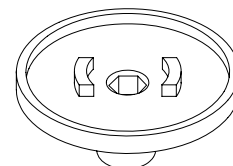
FX-22-21

O.D. 1.87"
Height .58"



FX-22-23

O.D. 2.36"
Height .80"



FX-22-26

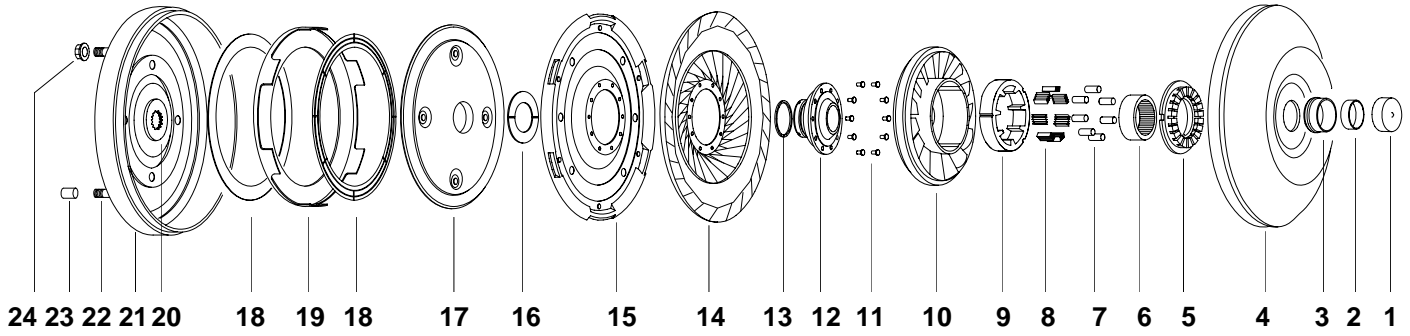
FORD ATX LOCKUP & NON-LOCKUP

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 x 1.0, .34" High	4	FX-10-17

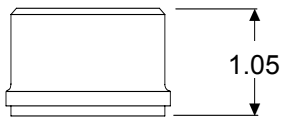
*NOTE: **FX-13-18**  **FX-22-24** **FX-13-28K** (Weld-In Kit, Eliminates Planetary Gear Set, With Instructions)

FORD AX4S / AX4N

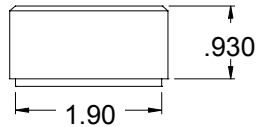


ILL. # 3

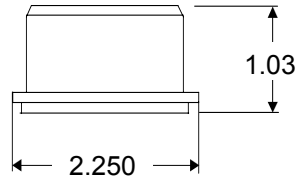
IMPELLER HUBS, 1.999" DIA.



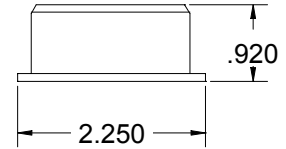
FH-1-13G



FH-1-13AG



FH-1-13FLG

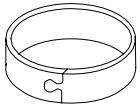


FH-1-33FLG

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

ILL. # 2 BUSHING

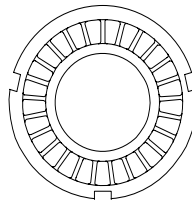
O.D. 1.78"
I.D. 1.65"
Thick. .51"



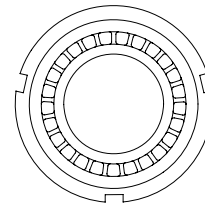
FB-18-4

ILL. # 5 STATOR CAP & BEARING ADAPTER

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



FW-4-9

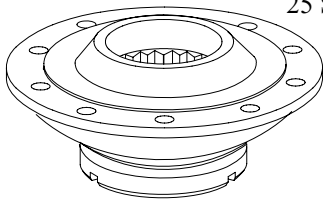


FW-4-25

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

ILL. # 12 TURBINE HUB

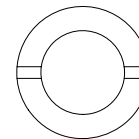
O.D. 3.80"
Height 1.85"
25 Spline



FX-13-32HT

ILL. # 16 TURBINE WASHER

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

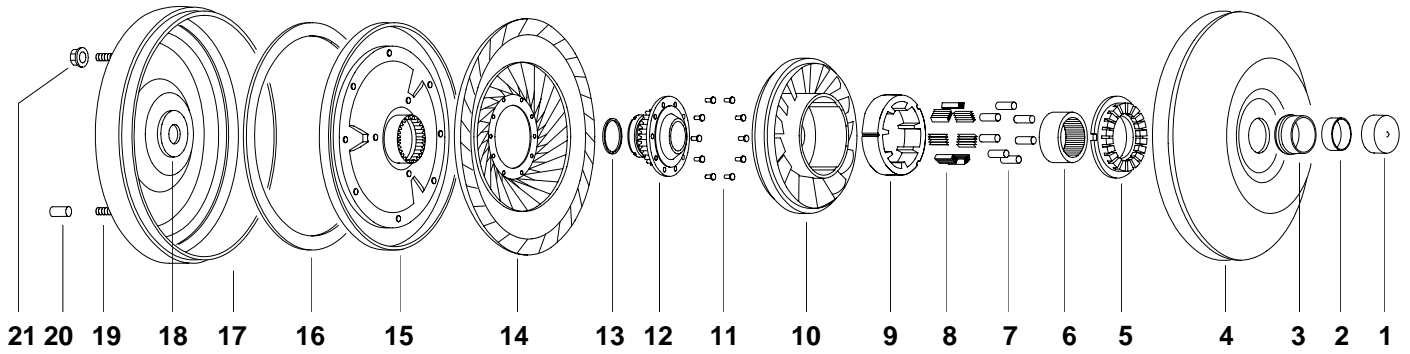


FW-9-17
FW-9-17B

FORD AX4S / AX4N

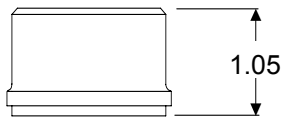
ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Red™, For 2" Dia. Hubs		MHC-R
2	Bushing, Hub	Precision, 1.78" O.D., .51" High		FB-18-4
		Unfinished		FB-18-4X
3	Hub, Impeller	Standard		FH-1-13G
		Butt Style		FH-13-AG
		Flanged		FH-1-13FLG
		Flanged		FH-1-33FLG
		Flanged, 1.421" Assembled Height, 2.38" Flanged 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	.215" Shank Dia., .32" Long	10	FX-12
		.215" Shank Dia., .38" Long		FX-12L
		.215" Shank Dia., .38" Long, Solid		FX-12LS
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 × 1.0, .34" High	4	FX-10-17

FORD AXOD / AXODE



ILL. # 3

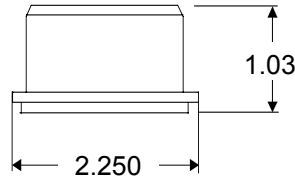
IMPELLER HUBS, 1.999" DIA.



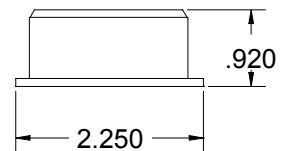
FH-1-13G



FH-1-13AG



FH-1-13FLG

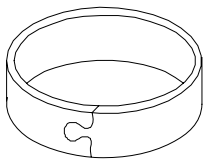


FH-1-33FLG

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

ILL. # 2

BUSHING

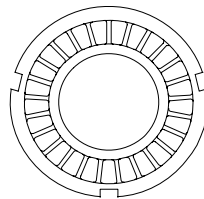


FB-18-4

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

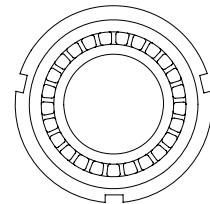
ILL. # 5

STATOR CAP & BEARING ADAPTER



FW-4-9

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

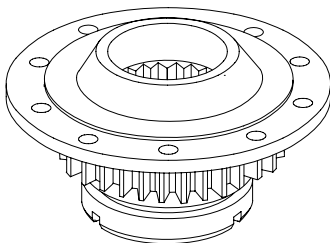


FW-4-25

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

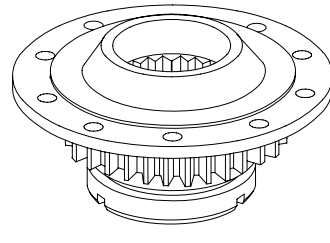
ILL. # 12

TURBINE HUBS



FX-13-14HT

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



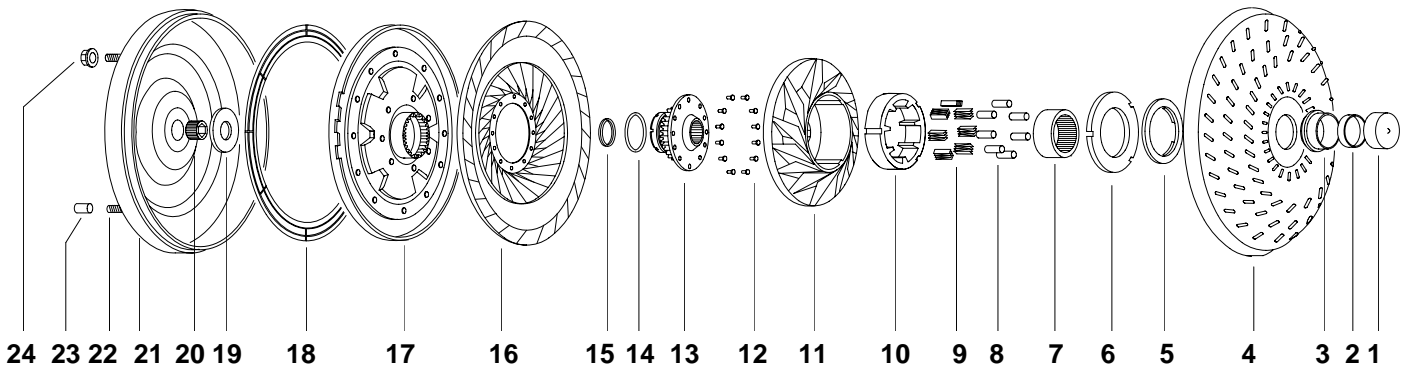
FX-13-31HT

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

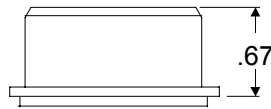
FORD AXOD / AXODE

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-1-13FLC
		Flanged		FH-1-33FLC
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	.31" Long	10	FX-12
		.38" Long	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")		
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
		<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>		
	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 1.0, .34" High	4	FX-10-17

FORD CD4E



ILL. #3 IMPELLER HUB, 2.140" DIA.

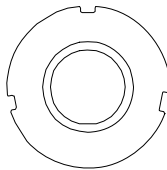


FH-1-20G

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

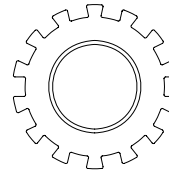
ILL. #6

BEARING ADAPTERS



FW-4-23

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

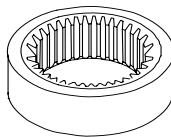


FW-4-21K

ILL. #7

INNER RACES

O.D. 2.10"
32 Spline

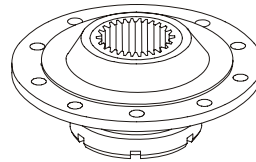


FX-14-8, Height .79"
FX-14-9, Height .62"

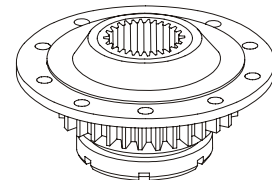
ILL. #13

TURBINE HUBS

O.D. 3.38"



FX-13-21HT
30 Spline



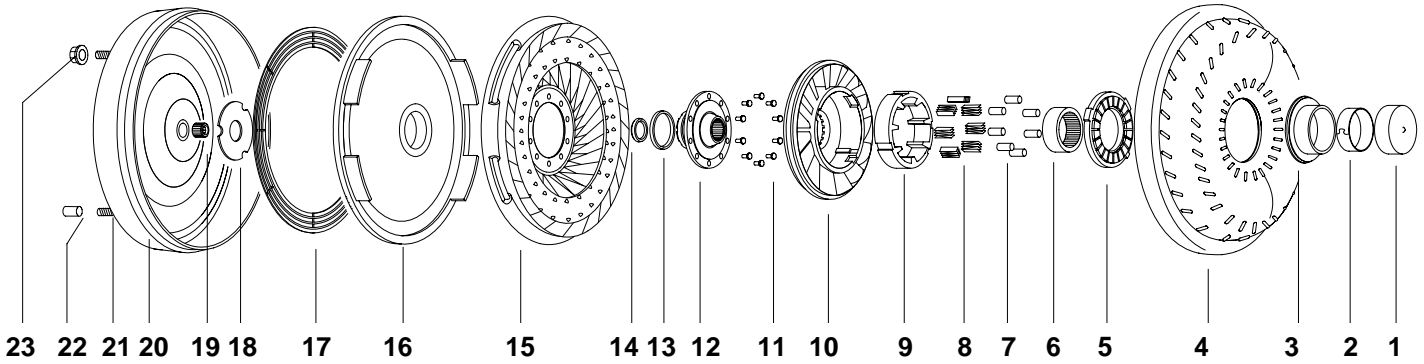
FX-13-22HT
30 Int. Spline
54 Ext. Spline

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 2.10" O.D., .62" High, 32 Spline, for CD4E Late		FX-14-8 FX-14-9
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	.21" O.D., .38" Long	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
		<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>		
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 1.0, .34" High	4	FX-10-17

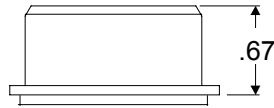
FORD CD4E 9-1/4"

ESCAPE, TRIBUTE 3.0L



ILL. #3

IMPELLER HUB, 2.140" DIA.

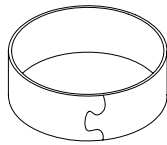


FH-1-20G

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

ILL. #2

BUSHING

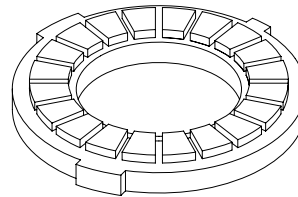


FB-18-6

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

ILL. #5

STATOR CAP

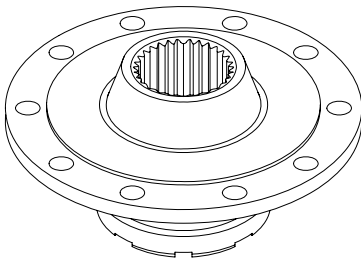


FW-4-28

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

ILL. #12

TURBINE HUB

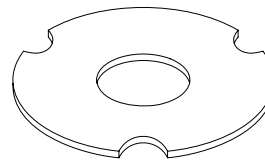


FX-13-39HT

O.D. 3.38"
Height 1.37"
30 Spline

ILL. #18

PLATE



FX-22-28

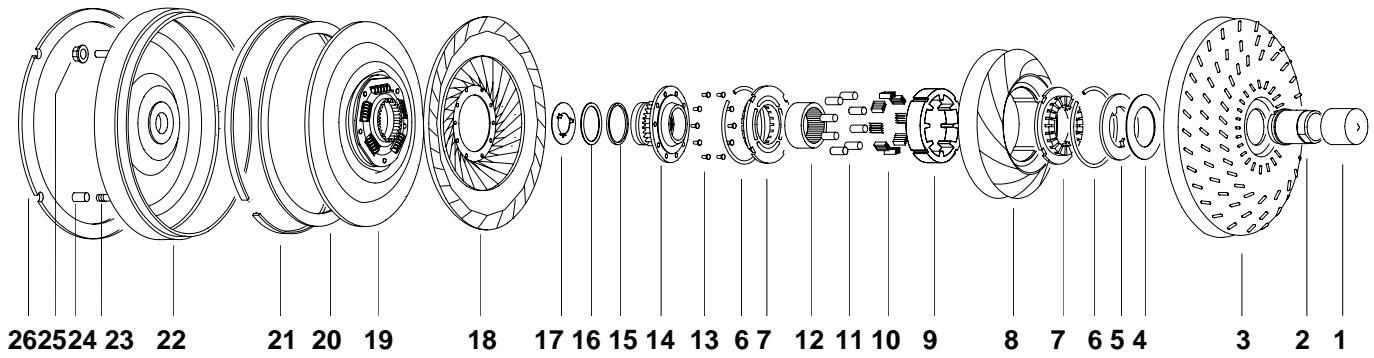
O.D. 2.56"
I.D. .92"
Thick. .065"

FORD CD4E 9-1/4"

ESCAPE, TRIBUTE 3.0L

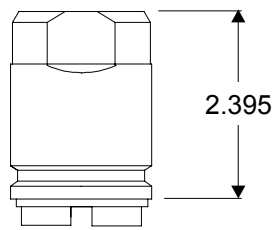
ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Brown™, For 2.14" Dia. Hubs		MHC-BR
2	Bushing	1.77" I.D., 1.89" O.D., .51" Wide		FB-18-6
3	Hub, Impeller			FH-1-20G
4	Impeller			
5	Stator Cap	Plastic, 3 Tab, 3.35" O.D., YL8-7937-AB		FW-4-28
		Plastic, 3 Slots, 3.34" O.D., F3RP-7937-CA1		FW-4-36
6	Race, Inner	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	.215" Shank Dia., .32" Long	10	FX-12
		.215" Shank Dia., .38" Long		FX-12L
		.215" Shank Dia., .38" Long, Solid		FX-12LS
12	Turbine Hub	30 Spline 3.38" O.D., 3L8P-7926-AA		FX-13-39HT
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
		<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>		
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 1.0, .34" High	4	FX-10-17

FORD E40D

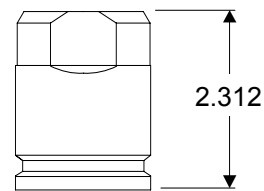


ILL. # 2

IMPELLER HUBS, 1.996" DIA.



FH-1-5FG

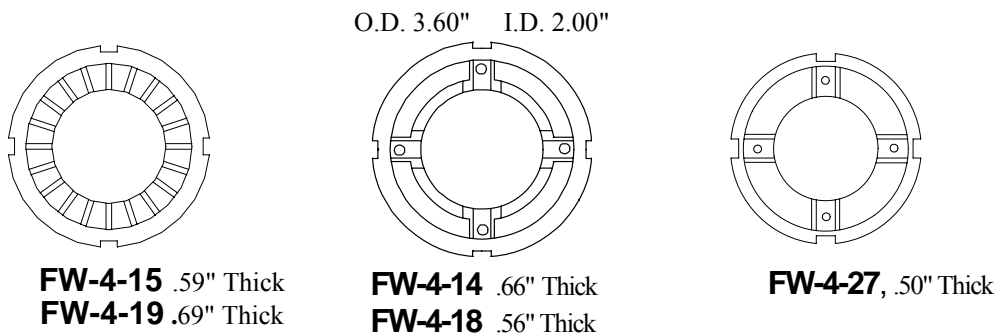


FH-1-CB5G

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

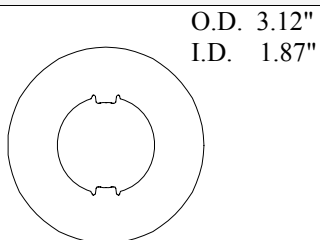
ILL. # 7

STATOR CAPS & BEARING ADAPTERS



ILL. # 5

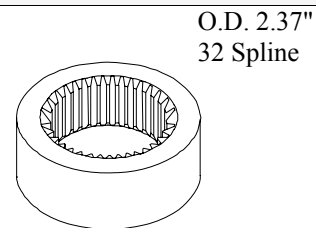
STEEL WASHERS



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

ILL. # 12

INNER RACES



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

FORD E40D

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, Plastic, OE Part, <i>OE #F5TP-7937AB</i>	2	FW-4-15
		.68" Thick, Plastic, 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),		FW-4-27
		OE Design Turbine Hubs Require Modification		
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
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

* - Impeller side only

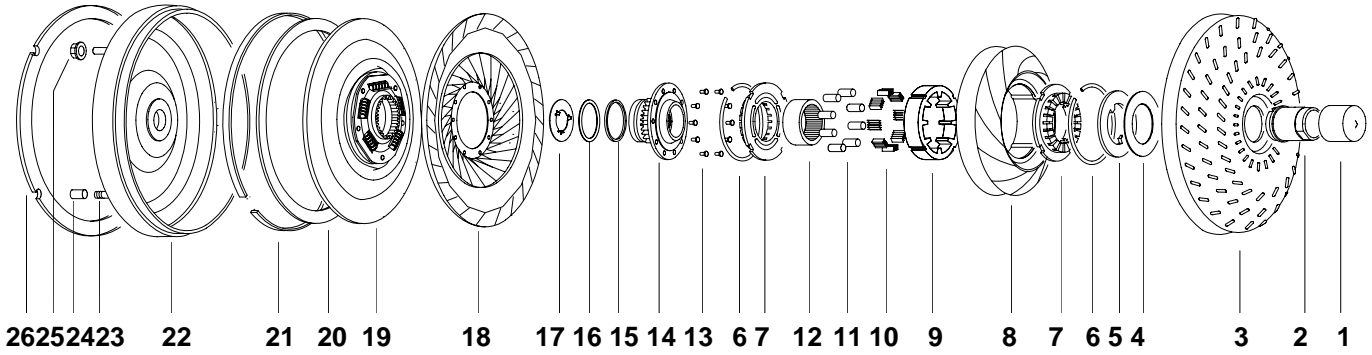
Continued ➡

2-47

FORD E40D (FIRST TYPE)

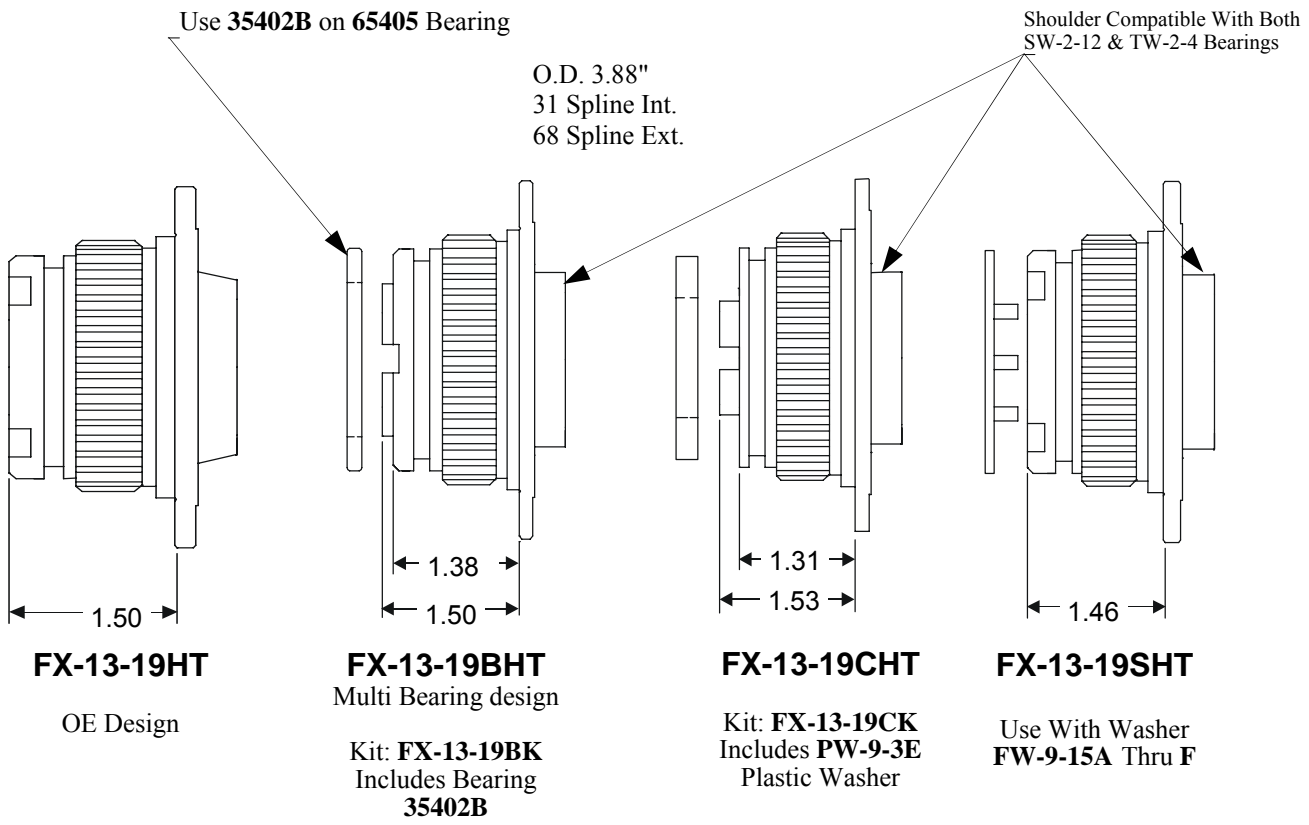
FORD E40D

Continued



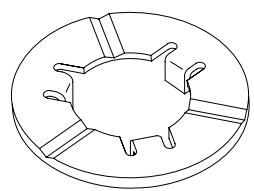
ILL. #14

TURBINE HUBS



ILL. # 17

TURBINE WASHERS



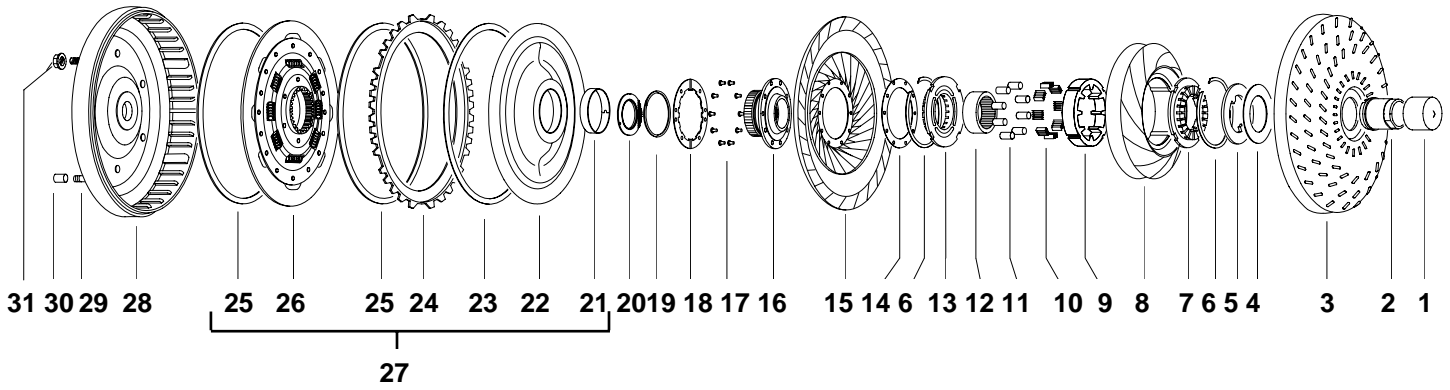
O.D. 2.36"
I.D. 1.15"
Lug Width .28"

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 E4OD, Continued

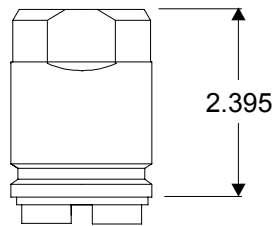
ILL.#		DESCRIPTION	QTY.	PART #
15	O-Ring	Fluorocarbon, 2.39" Dia.		FO-25-5V
16	Shim	Steel, 2.58" O.D., 2.40" I.D., .02" Thick Adjusts Clearance of Clutch To Turbine. Eliminates Contact (25 Pieces Per Bag, With Instructions)		FW-9-18
17	Washer, Turbine, Selective	3 Lugs, Bronze, .06" Thick 3 Lugs, Bronze, .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) Multi-Clutch, Diesel, Uses 3 FX-23-23 Linings		FX-23-11N FX-23-43 FX-23-20 FX-23-21
N.I.	Repair Sleeve	3.10" O.D., 2.40" I.D., .65" Thick		FX-23-64
N.I.	Reinforcement Ring	3.10" O.D., 2.73" I.D., .38" Thick, For FX-23-11N		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-23-10 FX-23-10X70 FX-23-12 FX-23-12X70 FX-23-27 FX-23-27X70 FX-23-23
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
21	Salvage Ring™	Core Saver™, Restores Engagement Step		FX-21-1005
22	Cover, Front Heavy Duty	4 Lug, Gas, Short Studs 6 Lug, Gas & Diesel, Short Studs 4 Lug, Diesel, Long Studs 4 Lug, Diesel, Long Studs, Billet 4 Lug, Diesel, Long Studs, Billet, Splined 6 Lug, Diesel, Long Studs		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

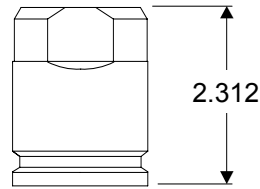


ILL. # 2

IMPELLER HUBS, 1.996" DIA.



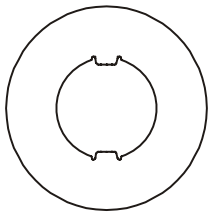
FH-1-5FG



FH-1-CB5G

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

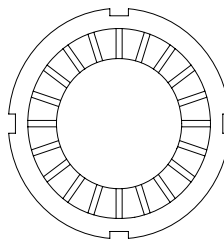
ILL. # 5 STEEL WASHERS



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

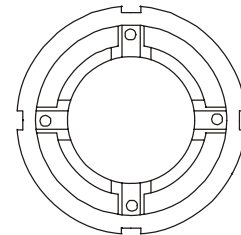
FW-2-1 .09" Thick
FW-2-1A .11" Thick

ILL. # 7 STATOR CAP & BEARING ADAPTER



FW-4-15

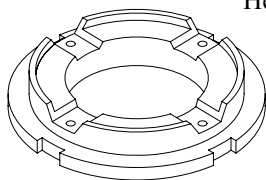
O.D. 3.60"
I.D. 2.00"
Thick. .59"



FW-4-18

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

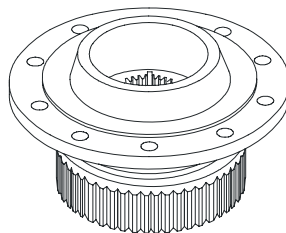
ILL. # 13 BEARING ADAPTER



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

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

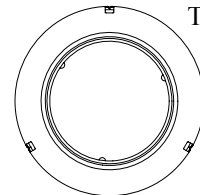
ILL. # 16 TURBINE HUB



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



FW-2-6

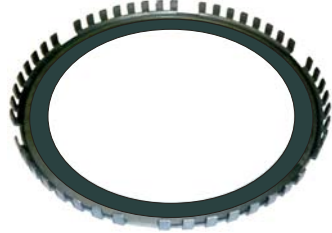

O.D. 2.35"
I.D. 1.56"
Thick. .15"

FORD 4R100, 4 Speed, RWD / 4x4

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap®		MHC-R
2	Hub, Impeller		FH-1-5FG FH-1-CB5G
3	Impeller		
4	Shim, Selective		MW-2-10 MW-2-20 MW-2-30
5	Washer, Steel		FW-2-1 FW-2-1A
6	Ring, Snap	2	FX-20-11
7	Cap, Stator		FW-4-15
	Bearing Adapter		FW-4-18
8	Stator		FX-5L
9	Cam		FX-15-4
10	Spring	8	FS-6-2
11	Roller	8	FR-7
12	Race, Inner		FX-14-1
13	Cap, Stator		FW-4-15
	Bearing Adapter		FW-4-31
14	Plate		FX-8-13
15	Turbine		
16	Turbine Hub		FX-13-34HT FX-13-35HT FX-13-37HT FX-13-45HTK
			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 Turbine <i>Add Suffix "HT" For Heat Treated Turbine Hubs</i>
17	Rivet	10	FX-12-6
18	Plate		FW-9-19
19	Ring, Seal		FO-25-12
20	Bearing		FW-2-6 FW-2-8
			Enclosed, 2.35" O.D., 1.56" I.D., .15" Thick Enclosed w/Lip
21	Bushing		FB-18-7
22	Piston Plate		FX-23-37
23	Lining		FX-23-49
			10-27/32" O.D., 9-13/16" I.D., .045" Thick, for Drive Ring
			<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>
24*	Drive Ring		FX-23-46
			54 Teeth / 6 Missing, Uses 1 Lining FX-23-49
25	Lining	2	FX-23-52 FX-23-86
			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
			<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>
26	Damper Assembly		FX-23-42
			8 Springs, Late Design, 54 Teeth (6 Missing), LAD 116
27*	Lockup Clutch, Kit		FX-23-45
			Multi Plate w/Bushing, Contains Items #21, 22, 23, 24, 25, 26. Use With FX-13-35 Turbine Hub
28	Cover, Front		FX-22-27 FX-22-29 FX-22-36
			6 Studs, Stamped, Grob Design, OE 6 Short Studs, Billet, Grob Design, Gas and Diesel 4 Long Studs, Billet, Grob Design, Gas Only
29	Stud	6	FX-10-3
30	Studcap™	6	MHC-STD
31	Nut	6	FX-10-7
			3/8-24 (3/4" Long Under Head)
			Plastic Stud Protector
			3/8-24, .34" High, Special Locking

* See Page 2-52 for Alternative Design

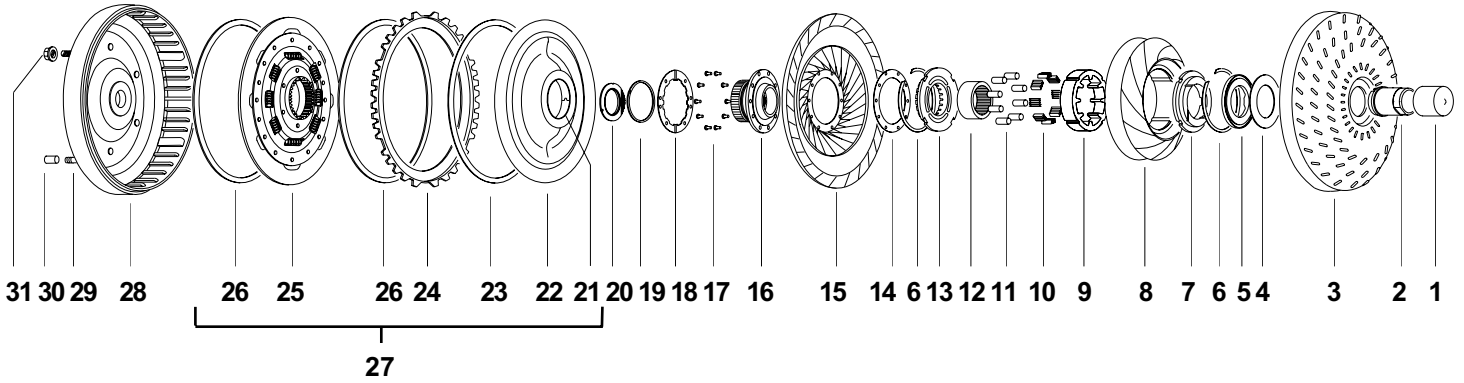
FORD 4R100, 4 Speed, RWD / 4x4

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 Drive Ring FX-23-78 Damper Assy FX-23-42			FX-23-72

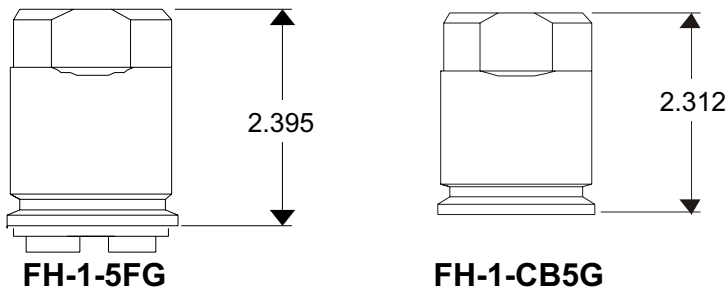
Red Box #4887 →



FORD 5R110W, EARLY



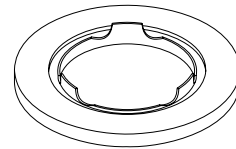
ILL. #2 IMPELLER HUBS, 1.996" DIA.



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

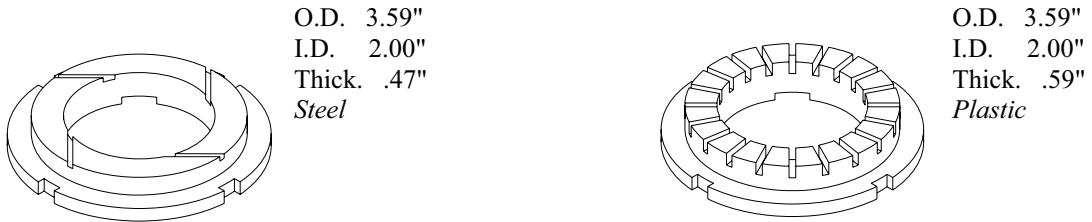
ILL. #5 BEARING

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



FW-2-10

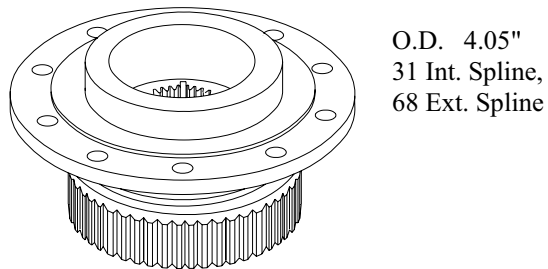
ILL. # 7,13 STATOR CAPS



FW-4-34

FW-4-15

ILL. #16 TURBINE HUB

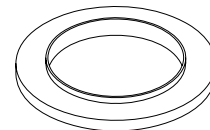


O.D. 4.05"
31 Int. Spline,
68 Ext. Spline

FX-13-35HT

ILL. # 20 BEARING

O.D. 2.28"
I.D. 1.54"
Thick. .14"



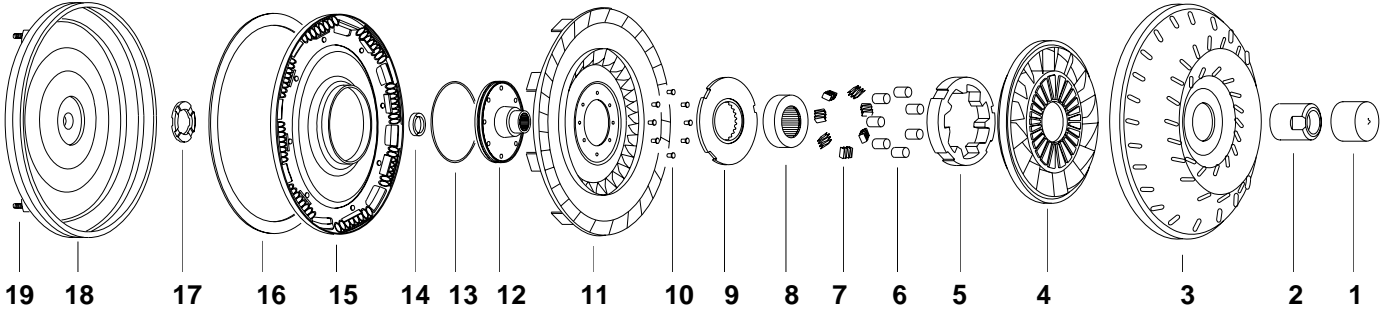
FW-2-8

FORD 5R110W, 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	OE #E0AP-7934AA	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, Plastic, OE #F5TP-7937AB	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	10 FX-12-6
18	Plate	12 Int. Teeth, 3.99" O.D., 2.71" I.D., .06" Thick, Plastic	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-23-49
	<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
	<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-23-45
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 2-52 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"

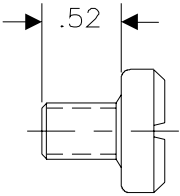
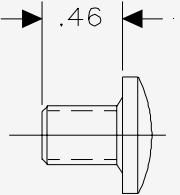
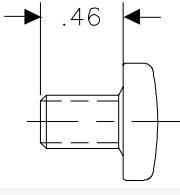
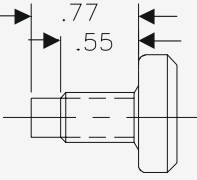
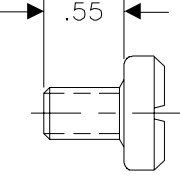
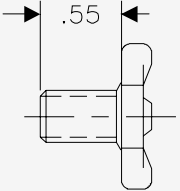
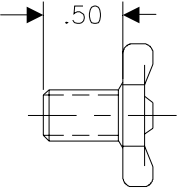
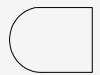
TW-9-17

FORD FOCUS FN

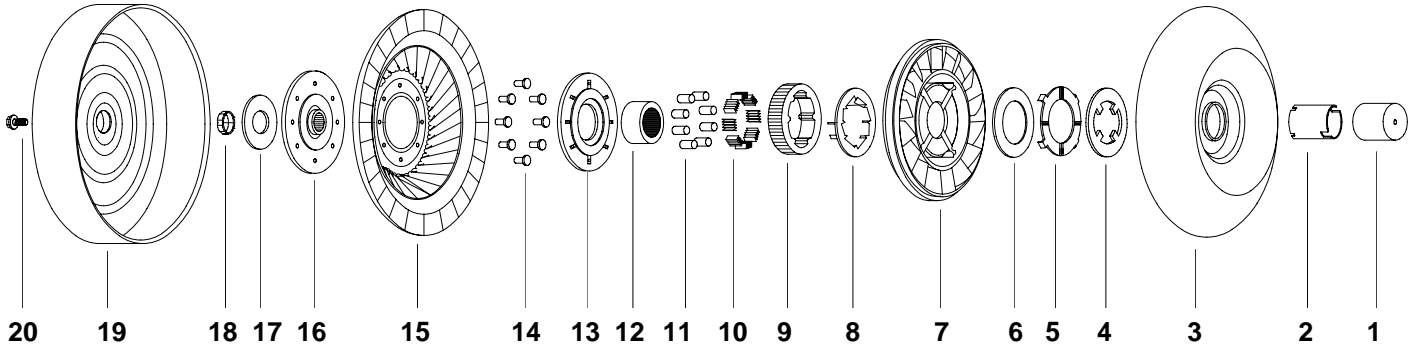
ILL. #		DESCRIPTION	QTY.	PART #
1	Hubcap®	Green, For 1-1/2" Dia. Hubs		MHC-G
2	Hub, Impeller	1.573" Dia., 1.41" High		TH-1-36G
3	Impeller			
4	Stator	OE # 6A89030102		
5	Cam			
6	Roller	.312" Dia., .560" Long	7	SR-7
7	Spring, Accordion	.56" Wide, .28 High	7	FS-6-11
8	Race, Inner	38 Spline, 2.10" O.D., .69" High		FX-14-9
9	Cap, Stator	Plastic, OE # 6A89030402		FW-4-29
10	Rivet	.226" Shank Dia. x .281" 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-23-11
<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, Plastic		TW-9-17
18	Cover, Front			
19	Stud	M10x1, .40 Long	4	FX-10-20

Continued ➡

FORD STUDFINDERSM

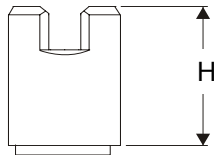
DESCRIPTION	THREAD	HEAD O.D.	HEAD THICK	ILLUSTRATION	PART #
C-4, C-5, C-6; 3 Speed, FMX; Borg & Beck; AOD-E; E4OD (First Type)	3/8"-24	.83	.21		FX-10-3
C-4 and Others	3/8"-24	.75	.16		FX-10-4
ATX Replaced by FX-10-13	M10 x 1.0	.77	.16		FX-10-9
A4LD, 4R55E; E4OD (First Type)	3/8"-24	.83	.21		FX-10-11
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

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

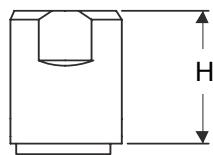


ILL. # 2

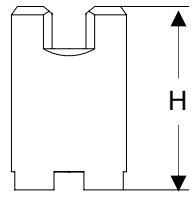
IMPELLER HUBS, 1.498" DIA.



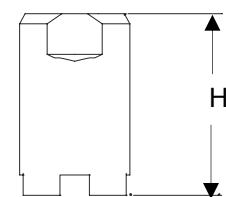
TH-1-12G, H=1.73"
TH-1-4G, H=1.85"



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



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

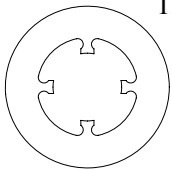


TH-1-20AG, H=2.28"
TH-1-28AG, H=2.50"

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

ILL.# 4 WASHER

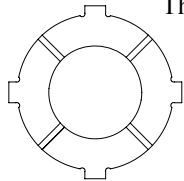
O.D. 2.96"
I.D. 1.24"
Thick. .07"



TW-2-3
Steel

ILL. # 5 WASHER

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

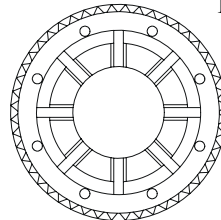


TW-3-3
Bronze

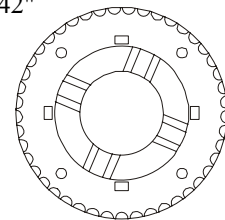
ILL. # 13

STATOR CAPS

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



TW-4-14, .32" Thick

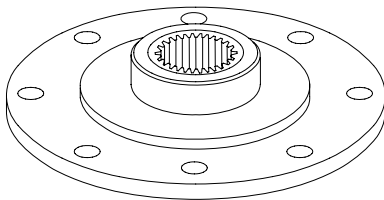


TW-4-4, .31" Thick
TW-4-13, .26" Thick

ILL. # 16

TURBINE HUB

O.D. 3.96"

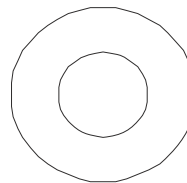


TX-13-1017HT, 17 Spline
TX-13-1030HT, 30 Spline
TX-13-8SHT, 23 Spline

ILL. # 17

WASHER

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



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

CHRYSLER 9-1/2" NON-LOCKUP

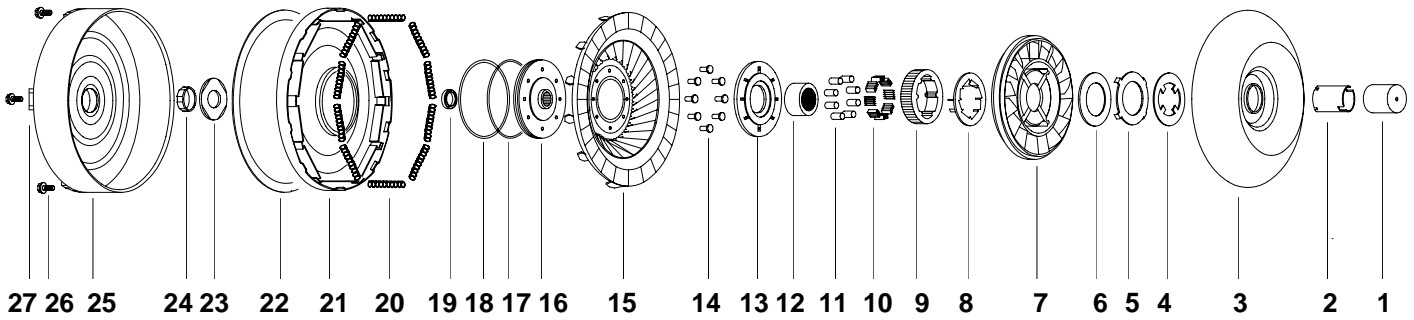
A-404, FWD

ILL.	DESCRIPTION	QTY.	PART #
1	Hubcap® Green™, For 1-1/2" Dia. Hubs		MHC-G
2	Hub, Impeller		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-4-14	TW-4-4
		Aluminum, Uses Bronze Washer TW-3-8	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, .64" I.D.	TB-18-5
		Chrysler, 1.12" I.D.	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

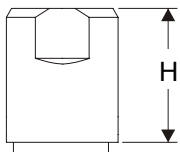
CHRYSLER 9-1/2" LOCKUP,

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

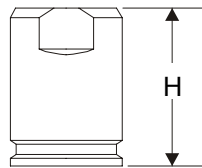


ILL. # 2

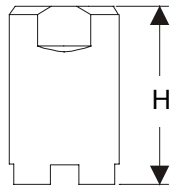
IMPELLER HUBS, 1.498" DIA.



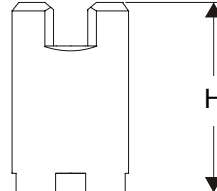
TH-1-16G, H=1.73"
TH-1-20G, H=1.85"



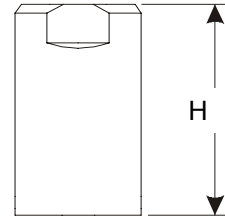
TH-1-18G, H=1.98"
TH-1-19G, H=2.10"



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



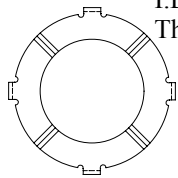
TH-1-4AG, H=2.28"
TH-1-12AG, H=2.50"



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

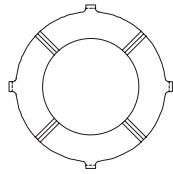
ILL. # 5 **WASHER**



TW-3-3

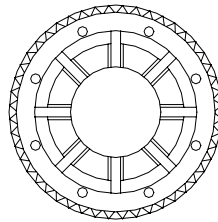
O.D. 2.94"
I.D. 1.96"
Thick .06"

ILL. #13 **WASHERS & STATOR CAPS**



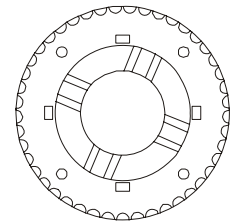
TW-3-8, .16" Lug Width
TW-3-10, .31" Lug Width

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



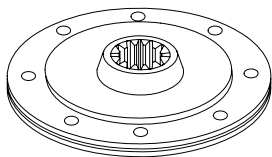
TW-4-14, .32" Thick
Replaces **TW-4-4**

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



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

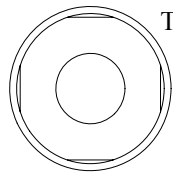
ILL. #16 **TURBINE HUB**



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

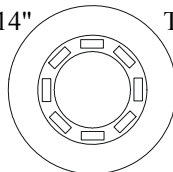
O.D. 4.37"

ILL. # 23 **BEARING AND TURBINE WASHERS**



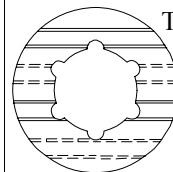
TW-9-13

O.D. 2.35"
I.D. 1.07"
Thick .14"



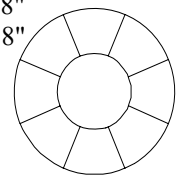
TW-9-13, Latest Design
Use With Shim **TW-9-14**

O.D. 2.35"
I.D. 1.07"
Thick .14"



TW-9-15

O.D. 2.36"
I.D. 1.08"
Thick .138"



TW-9-15B

Alternate

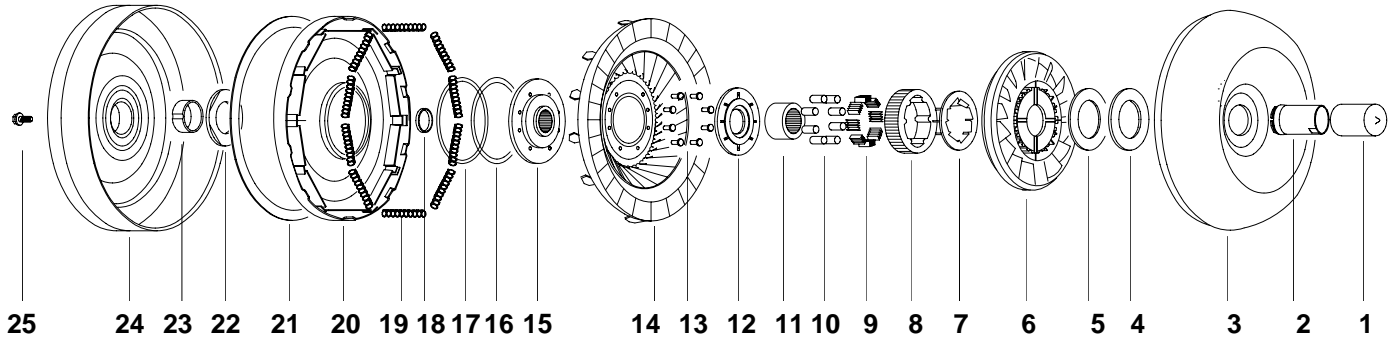
CHRYSLER 9-1/2" LOCKUP

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

ILL.	DESCRIPTION	QTY.	PART #
1	Hubcap®		MHC-G
2	Hub, Impeller		See Page 3-4
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	.316" 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., .44" 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. Viton	TO-25-6V
18	Ring, Back-Up	110mm O.D., Teflon®	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-23-8
		9-1/8" O.D., 7-5/8" I.D., .045" Thick	TX-23-5
		<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>	
	Ring, Floating	9-5/8" O.D., 8" I.D., .070" Thick	TX-26-9
			TX-26-9RB
23	Bearing	Enclosed, New High Oil Flow Design	TW-9-13
	Washer, Turbine	Fibre, 2.37" O.D., 1.09" I.D., .14" Thick, OE Style	TW-9-15
		Bronze, Heavy Duty, Alternate, Patent Pending	TW-9-15B
		Phenolic., Late Style 2.36" O.D., 1.08" I.D., 0.14" Thick.	TW-9-30
N.I.	Shim		TW-9-14
24	Bushing, Cover	Standard 1.30" O.D., 1.07", .360" 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.

H	H	2.28	3.33	2.25	H
TH-1-20G , H=1.85" TH-1-16G , H=1.73"	TH-1-18G , H=1.98" TH-1-19G , H=2.10"	TH-1-20AG	TH-1-25G	TH-1-41G	TH-1-34GCM , H=1.94" TH-1-35GCM , H=3.33" Chrome - Moly Steel Hardness 43-45
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"			O.D. 2.32" I.D. 1.44" Thick .06"
TW-4-14 , .36" Thick Replaces TW-4-4	TW-4-4 , .31" Thick	TW-4-13 , .26" Thick	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

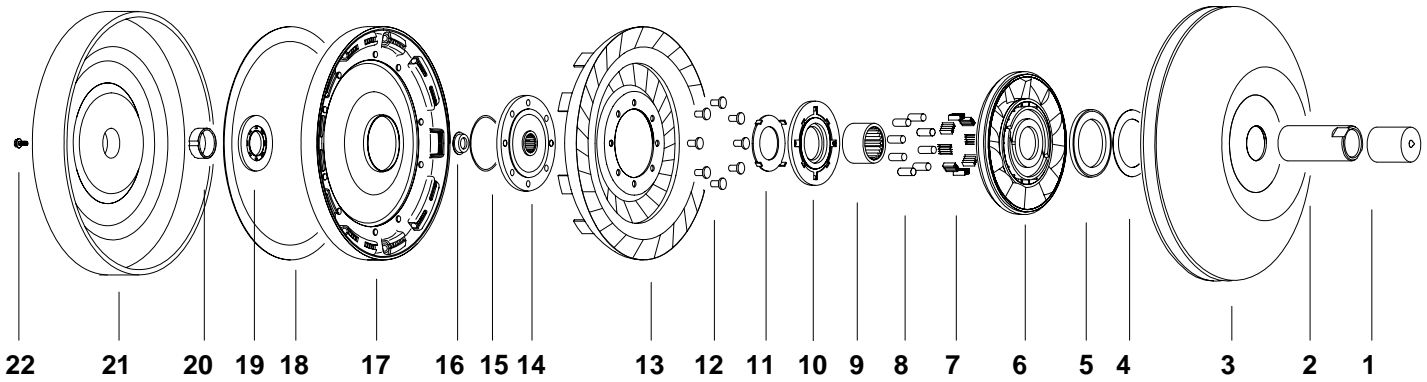
O.D. 2.35" I.D. 1.07" Thick .14"	O.D. 2.35" I.D. 1.07" Thick .14"
TW-9-13	TW-9-13 , Latest design

CHRYSLER 10" 254mm LOCKUP

A-606, FWD

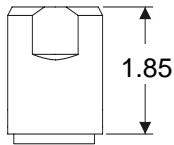
ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap®		MHC-G
2	Hub, Impeller		See Page 3-6
3	Impeller		
4	Bearing		TW-2-4
5	Shim, Selective		TW-2-110
			TW-2-120
			TW-2-130
6	Stator Assembly		
7	Retainer		TX-15-6
8	Cam		TX-15-7
9	Spring, Accordion	8	TS-6
10	Roller	8	TR-7
11	Race, Inner		TX-14-7
12	Cap, Stator		TW-4-4
			TW-4-13
			TW-4-14
	Washer		TW-3-8
			TW-3-10
13	Rivet	8	TX-12L
14	Turbine		
15	Turbine Hub		TX-13-13HT
			TX-13-14HT
16	O-Ring		TO-25-6
			TO-25-6V
			TO-25-6X
			TO-25-6A
17	Ring, Back-Up		TO-25-7
18	Seal, Metal Clad		TO-25-8
19	Spring, Damper	10	TX-24-8
N.I.	Salvage Ring™		TX-24-559
20	Lockup Clutch		TX-24-9
			TX-24-10
			TX-24-14
21	Lining		YX-23-3
	<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>		
	Ring, Floating		TX-26-11
			TX-26-11RB
22	Bearing		TW-9-13
	Washer, Turbine		TW-9-30
N.I.	Shim		TW-9-14
23	Bushing		TB-18-13
			TB-18-14
24	Cover, Front		
25	Bolt, Hex Head	4	B-62
N.I.	Salvage Ring™		TX-22-840
			TX-22-840NR
N.I.	Pad, Mounting	4	TX-10-6

CHRYSLER 10" 41TE & 42LE

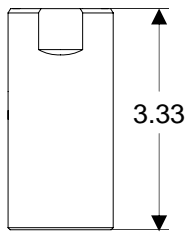


ILL. #2

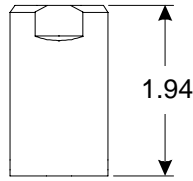
IMPELLER HUBS, 1.500 DIA.



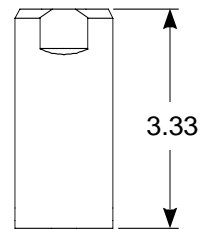
TH-1-20G



TH-1-25G



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



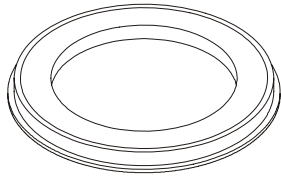
TH-1-35GCM,
Chrome - Moly Steel
Hardness Rc 43-45

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

ILL. #5

BEARING

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

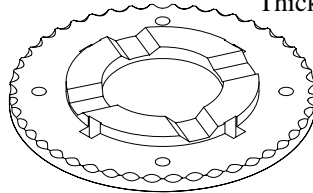


TW-2-22

ILL. #10

STATOR CAP

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

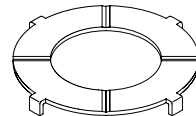


TW-4-13

ILL. #11

WASHER

O.D. 2.41"
I.D. 1.44"
Thick. .27"

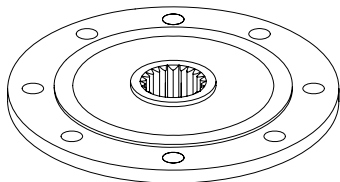


TW-3-7

ILL. #14

TURBINE HUB

O.D. 4.10"
22 Spline

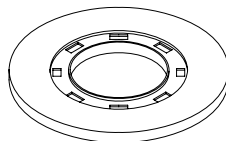


TX-13-41HT

ILL. #19

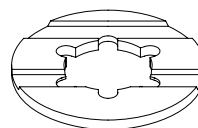
BEARING, WASHERS

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



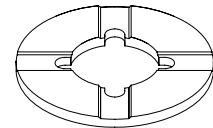
TW-9-13

O.D. 2.36"
I.D. 1.08"
Thick. .14"



TW-9-15

O.D. 2.36"
I.D. 1.08"
Thick. .14"



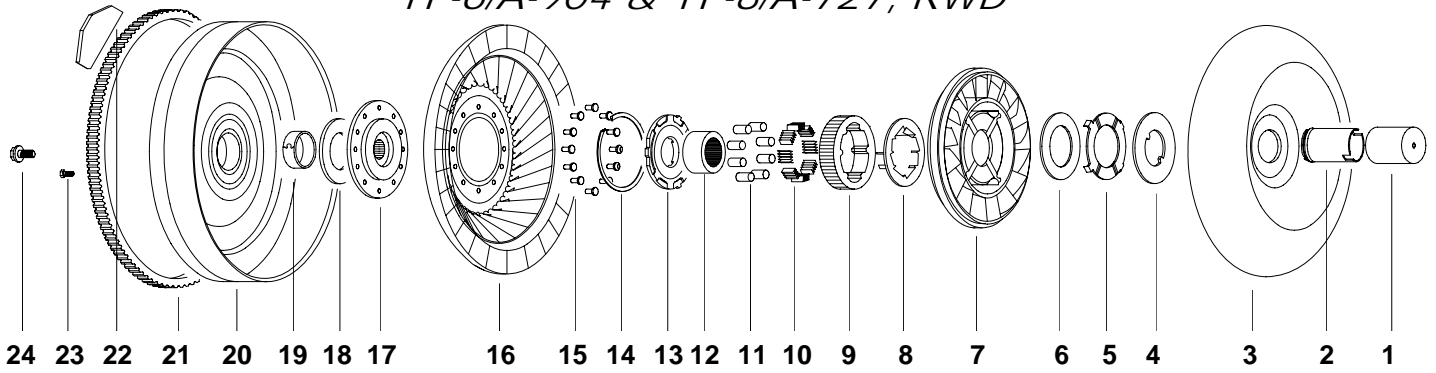
TW-9-15P

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		TH-1-20G
		Butt Style, 3.33" High		TH-1-25G
		Butt Style, 1.94" High, Chrome - Moly Steel		TH-1-34GCM
		Butt Style, 3.33" High, Chrome - Moly Steel		TH-1-35GCM
3	Impeller			
4	Shim	2.87" O.D., 2.07" I.D., .01" Thick		TW-2-210
		2.87" O.D., 2.07" I.D., .02" Thick		TW-2-220
		2.87" O.D., 2.07" I.D., .03" Thick		TW-2-230
5	Bearing	Enclosed Type, Flange Dia. 2.99", 2.086" I.D., , 0.18" Thick		TW-2-22
6	Stator			
7	Spring, Accordion	.60" Wide, .31" High	8	TS-6
8	Roller	.316" 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	Bronze, 2.41" O.D., 1.44" I.D., .27" Thick		TW-3-7
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	Enclosed Type, 2.40" O.D., 1.07" I.D., .13" Thick		TW-9-13
	Washer, Turbine	Fibre , Optional, 2.36" O.D., 1.08" I.D., .14" Thick		TW-9-15
	Washer, Turbine	Phenolic, OEM, Late, 2.36" O.D., 1.08" I.D., .14" Thick		TW-9-15P
	Washer, Turbine	Phenolic, Late Style 2.36" O.D., 1.08" I.D., 0.14"		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.	
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	
O.D. 2.88" I.D. 1.50" Thick. .09"	O.D. 2.95" I.D. 1.50" Thick. .07"
TW-2-1	TW-2

ILL. #5 WASHERS	
O.D. 2.80" I.D. 1.60" Thick. .06"	O.D. 2.94" I.D. 1.96" Thick. .06"
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

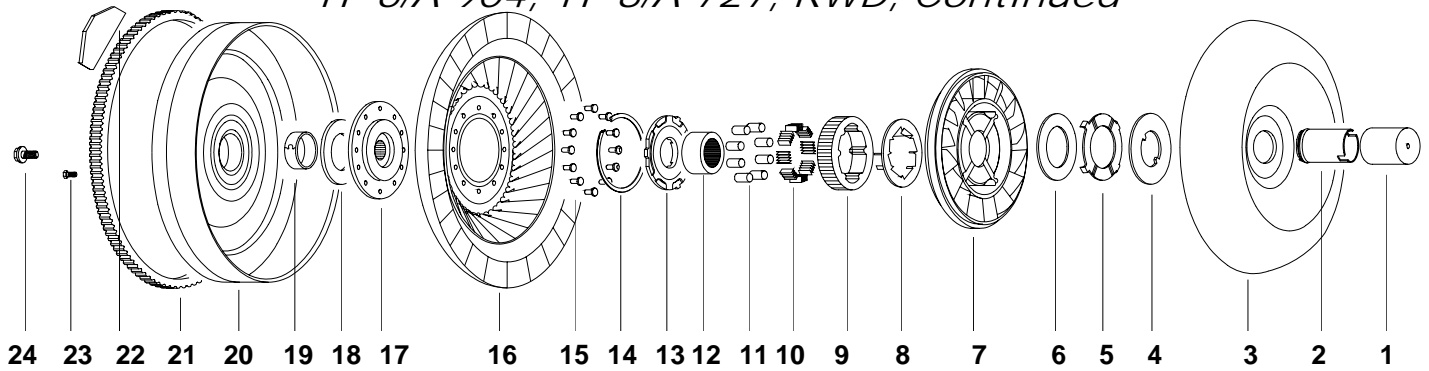
CHRYSLER 10-3/4" NON-LOCKUP

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 (Plastic 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 .425" 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,

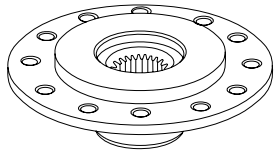
TF-6/A-904, TF-8/A-727, RWD, Continued



ILL. # 17

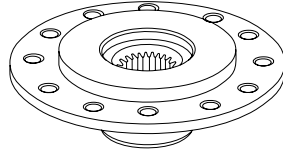
TURBINE HUBS

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



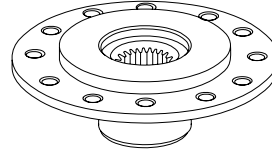
TX-13-1S

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



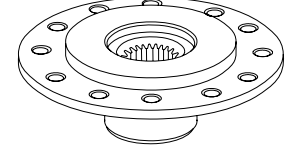
TX-13-3S

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

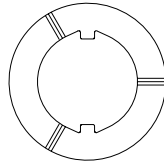


TX-13-5S

ILL. # 18

TURBINE WASHERS

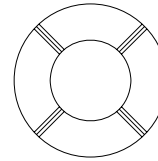
O.D. 2.26"
I.D. 1.51"
Thick. .07"



TW-9-3, TW-9-4

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

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



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

ILL. # 22

COUNTERWEIGHTS

14 Gram

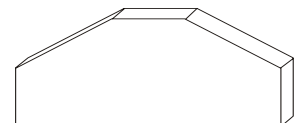
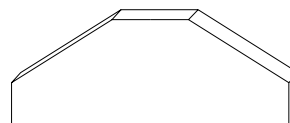
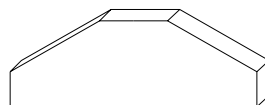
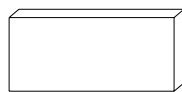
33 Gram

56 Gram

100 Gram

120 Gram

132 Gram



TX-22WG

TX-22WM

TX-22WL

TX-22WA

TX-22WD

TX-22WB

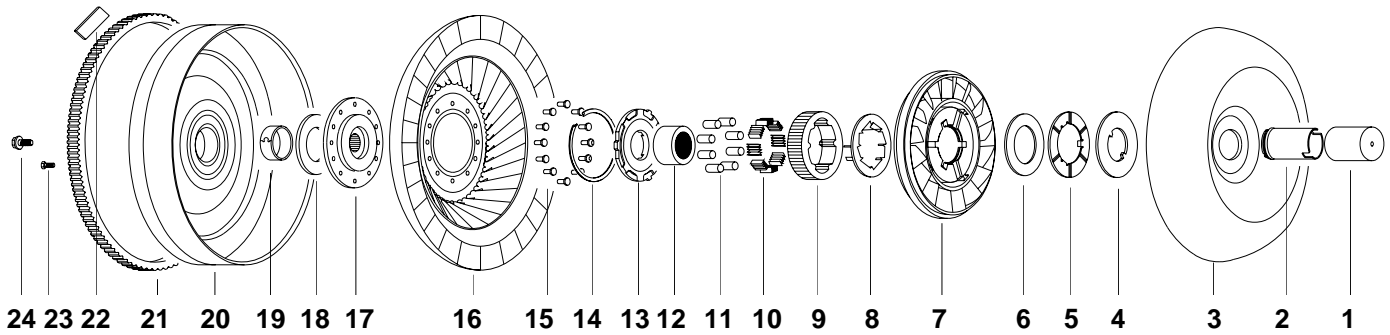
CHRYSLER 10-3/4" NON-LOCKUP

TF-6/A-904, TF-8/A-727, RWD, Continued

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
		Plastic '75-Up	TW-9-5A
		Plastic '75-Up	TW-9-5B
		Plastic '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, " 1.330" O.D., 1.210" I.D., .510" 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	FX-11
		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

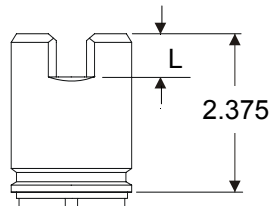
CHRYSLER 10-3/4" NON-LOCKUP TF-6/A-904, TF-8/A-727, RWD, Continued

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

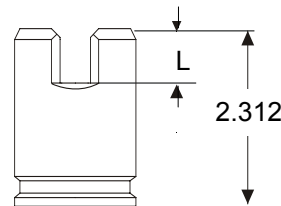


ILL. # 2

IMPELLER HUBS, 1.875" DIA.



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

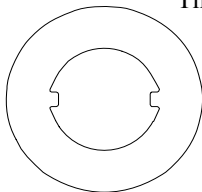


TH-1-5TGRC, L = .61"
Replaced by:
TH-1-33TGRC, L = .67"

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

ILL. # 4 STEEL WASHER

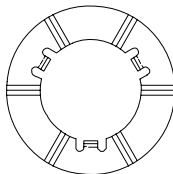
O.D. 3.30"
I.D. 1.80"
Thick. .07"



TW-2-2

ILL. # 5 WASHER

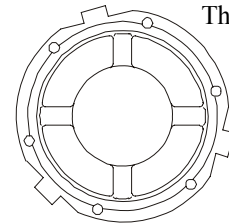
O.D. 3.20"
I.D. 1.92"
Thick. .08"



TW-3-2

ILL. # 13 STATOR CAP

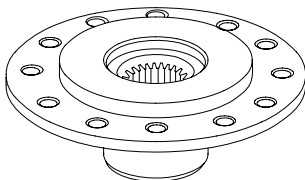
O.D. 3.65"
I.D. 1.48"
Thick. .35"



TW-4-1A

ILL. # 17 TURBINE HUB

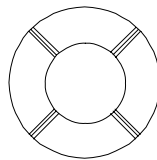
O.D. 3.96"
Height 1.23"



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

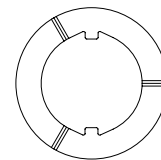
ILL. # 18 TURBINE WASHERS

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"



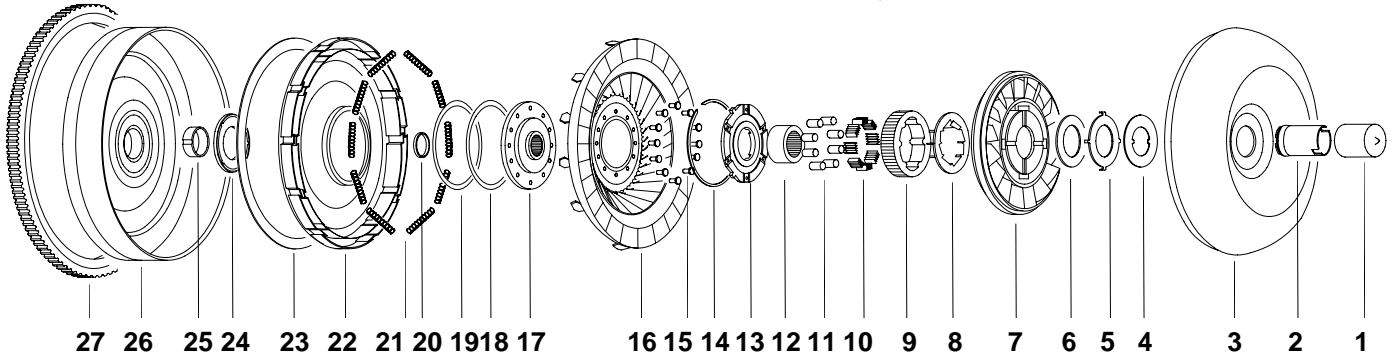
TW-9-4

CHRYSLER 11-3/4" NON-LOCKUP

TF-8/A-727, RWD

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap®		MHC-Y
2	Hub, Impeller		TH-1-5TGRC
	Butt Mount, .61" x .40" Slot Width		TH-1-33TGRC
	Butt Mount, .67" x .60" Slot Width		TH-1-8GRC
	Thru Mount, .61" x .40" Slot Width		TH-1-33GRC
	Thru Mount, .67" x .60" Slot Width		
3	Impeller		
4	Washer, Steel		TW-2-2
5	Washer		TW-3-2
	Bronze, 3 Lugs		
6	Shim		TW-2-10
	End Play, 2.94" O.D., 2.16" I.D., .01" Thick.		TW-2-20
	.02" Thick		TW-2-30
	.03" Thick		
7	Stator		TX-15-4
8	Retainer		TX-15-1
	Stator, Spring		
9	Cam		TX-15-3
	Stator		
10	Spring, Accordion	.600" Wide	8 TS-6
11	Roller		8 TR-7
12	Race, Inner		TX-14-3
13	Cap, Stator	Aluminum (Plastic 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	TX-13-2S
		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	FX-11
		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.
	<p>TH-1-2GRC TH-1TBGRC TH-1TSGRC</p>	<p>TH-1-3GRC, L= .61" TH-1-15GRC, L= .61" Replaced by: Replaced by: TH-1-32GRC, L= .67" TH-1-32TGRC, L=.67"</p>
<p><i>Suffix Code: No Suffix-Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36</i></p>		

ILL. #4	STEEL WASHERS
	<p>Thick. .07"</p> <p>TW-2 TW-2-2 O.D. 2.95" O.D. 3.30" I.D. 1.50" I.D. 1.80"</p>

ILL. #5	WASHER
	<p>O.D. 2.94" I.D. 1.96"</p> <p>TW-3-3</p>

ILL. #6	SHIMS
	<p>O.D. 2.94" O.D. 2.94" I.D. 1.89" I.D. 2.16"</p> <p>MW-2-10, Thick. .01" TW-2-10, Thick. .01" MW-2-20, Thick. .02" TW-2-20, Thick. .02" MW-2-30, Thick. .03" TW-2-30, Thick. .03"</p>

ILL. #12	INNER RACES
	<p>O.D. 1.94" Height 1.04" Spline 27</p> <p>TX-14-5, TF-6, 1.10" I.D. TX-14-6, TF-8, 1.30" I.D.</p>

ILL. #13	STATOR CAP
	<p>O.D. 3.38" I.D. 1.48" Thick. .28"</p> <p>TW-4-2, Aluminum</p>

CHRYSLER, 10-3/4" LOCKUP, EARLY

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, TF-6/A-904 & TF-8/A-727, RWD

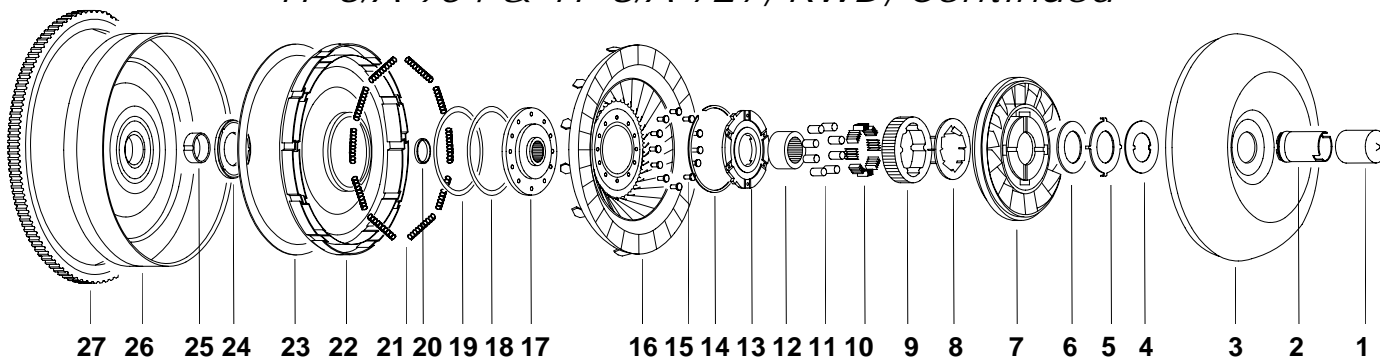
Continued



3-17

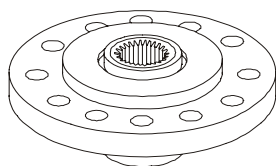
CHRYSLER 10-3/4" LOCKUP, EARLY

TF-6/A-904 & TF-8/A-727, RWD, Continued



ILL. #17 TURBINE HUB

O.D. 4.26"



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

ILL. #24

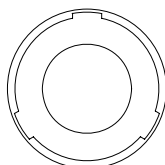
BEARING & TURBINE WASHERS

O.D. 2.60"
Thick. .17"

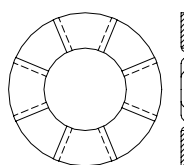
O.D. 2.38"
I.D. 1.42"
Thick. .17"

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

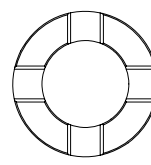
O.D. 2.56"
I.D. 1.39"
Thick. .16"



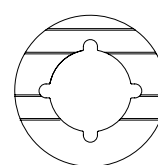
TW-9-6, 1.46" I.D.
TW-9-8, 1.40" I.D.



TW-9-18
Bronze



TW-9-20
Plastic



TW-9-21
Fiber

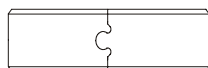
ILL. #25

BUSHINGS

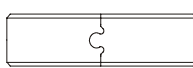
O.D. 1.57"
I.D. 1.45"
Height .50"

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

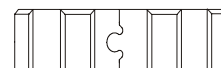
O.D. 1.62"
I.D. 1.39"
Height .50"
6 Grooves



TB-18-1



TB-18-3

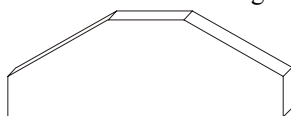


TB-18-4

ILL. # N.I.

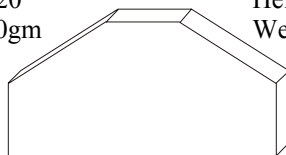
COUNTERWEIGHT

Length 3.50"
Height 1.20"
Weight 100gm



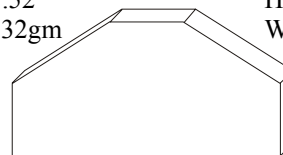
TX-22WA

Length 3.50"
Height 1.52"
Weight 132gm



TX-22WB

Length 3.50"
Height 1.52"
Weight 120gm



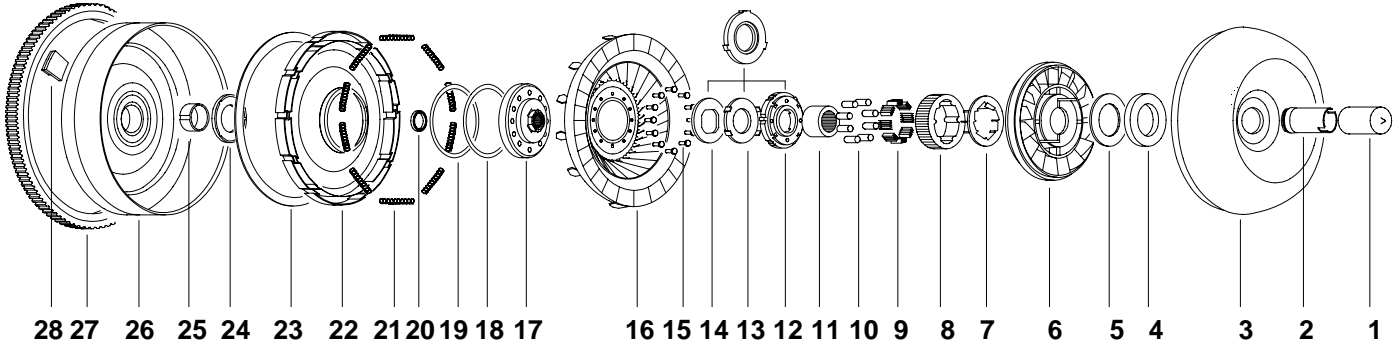
TX-22WD

CHRYSLER 10-3/4" LOCKUP, EARLY

TF-6/A-904 & TF-8/A-727, RWD, Continued

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	TX-13-6S
		A-727, 23 Spline(Use With TW-9-8 & TB-18-4), Alternate TX-13-28HT+ TW-4-11 Washer	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	10 TX-24B
		Red, 360 Engines	10 TX-24R
		White, 318 Engines	10 TX-24W
		Yellow, Replaces Orange	10 TX-24-1
22	Lockup Clutch		TX-26-2
23	Lining	10 9/16" O.D., 9 1/4" I.D., .045" Thick	TX-22X
		10-1/2" O.D., 9-1/8" I.D., .045" Thick	TX-23X
		9.921" O.D., 7.921" I.D., .045" Thick	TX-23-25
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
	Ring, Floating	10-3/4" O.D., 9-1/4" I.D., .070" Thick	TX-26-4
		10-3/4" O.D., 9-1/4" I.D., .070" Thick, Raybestos	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	Plastic, To Replace TW-9-8 Bearing	TW-9-20
	Washer	Fiber, To Replace TW-9-8 Bearing, .160	TW-9-21
		.130	TW-9-25
		.140	TW-9-26
	Washer	Bronze, To Replace TW-9-8 Bearing	TW-9-18
N.I.	Shim	Use Under Bearing, 2.40" O. D., 1.45" I. D., .010" Thick	TW-9-010
		.020" Thick	TW-9-020
		.030" Thick	TW-9-030
25	Bushing	For Early Application, 1.574" × 1.442" × .375"	TB-18-3
		Replaces Above For Heavy Duty, 1.574" x 1.447" x .500"	TB-18-1
		Salvage Size For Above, 1.610" x 1.405" x .500"	TB-18-1A
		With External Slots, 1.615" x 1.368" x .503"	TB-18-4
		Unbored	TB-18-4X
26	Cover, Front	With 122 Tooth Ring Gear	TX-22-122
		With 131 Tooth Ring Gear	TX-22-131
27	Ring Gear	122 Teeth	RG-122
N.I.	Counterweight	100 Gram	TX-22WA
		132 Gram	TX-22WB
		120 Gram	TX-22WD
N.I.	Bolt	5/16 x 24, 7/16" Long	B-61
N.I.	Pad, Mounting	5/16 × 24	TX-10-4
N.I.	Salvage Ring™	CoreSaver™, .375" Wide	TX-22-878
		CoreSaver™, .250" Wide	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-1-40GRC H=2.55"	TH-1-17GRC	TH-1-24GRC	TH-1-3GRC , L= .61" Replaced by: TH-1-32GRC , L= .67"	TH-1-15GRC , L= .61" Replaced by: TH-1-32TGRC , L= .67"	
<i>Suffix Code: No Suffix-Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36</i>						

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"	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
	O.D. 4.24"
TX-13-28HT , A518, 23 Spline TX-13-29HT , A500, 26 Spline	

ILL# 24	BEARING
	O.D. 2.60" I.D. 1.40"
TW-9-8	

ILL# 28	WEIGHT
	Weight 90gm
TX-22WC	

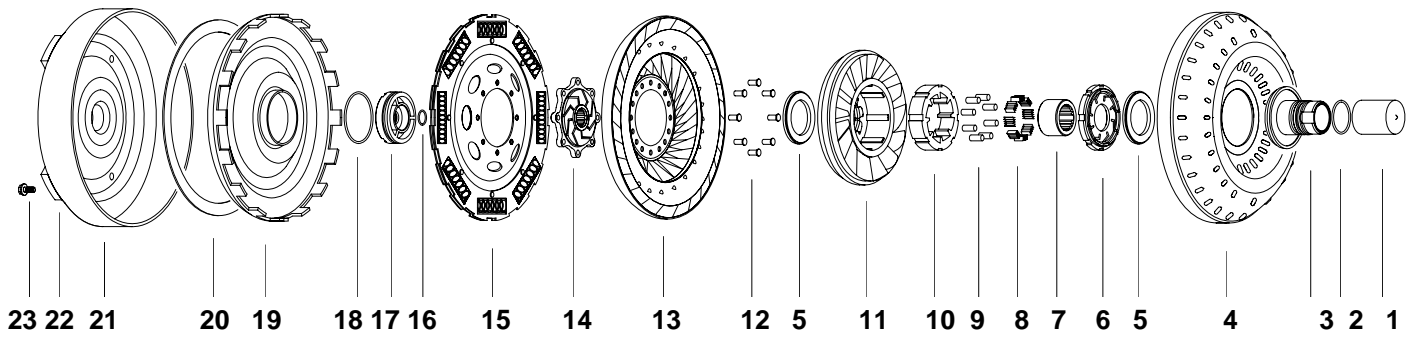
CHRYSLER 10-3/4" LOCKUP,

LATE PRODUCTION, A-500, A-518, RWD

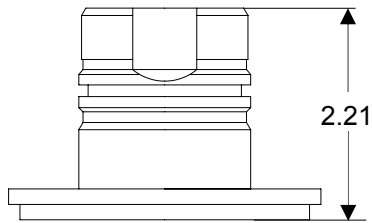
ILL.	DESCRIPTION	QTY.	PART #
1	Hubcap® Green™, For 1-1/2" Dia. Hubs Yellow™, For 1-7/8" Dia. Hubs		MHC-G MHC-Y
2	Hub, Impeller 1.498" Dia., Flats, A-500 1.875" Dia., Slots, A-518		See Page 3-18
3	Impeller		
4	Bearing Enclosed		TW-2-4
5	Shim, Selective Use Under Bearing TW-2-4 , .010" Thick .020" Thick .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 Splines, A-500, 1.100" I.D. 27 Splines, 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
*Note: Parts Can Be Replaced by Phenolic Washer TW-4-16 or by TW-4-17 w/ TW-2-4 Bearing			
15	Rivet	12	TX-12-2
16	Turbine 10-3/4" Dia.		
17	Turbine Hub 26 Splines, A-500, With Square Washer Boss (Alt. TX-13-6) 23 Splines, A-518, With Square Washer Boss (Alt. TX-13-7) <i>Add Suffix "HT" For Heat Treated Turbine Hubs</i>		TX-13-29 TX-13-28
18	O-Ring Viton®		TO-25-3V
19	Ring, Back-Up Teflon®		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 <i>Add Suffix "K" For Kevlar®, "C" For Carbon</i> 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-22X(70) 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

CHRYSLER 45RFE

A518, LIBERTY, GRAND CHEROKEE

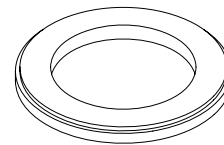


ILL. #3 IMPELLER HUB, 1.875" DIA.



TH-1-42FLG

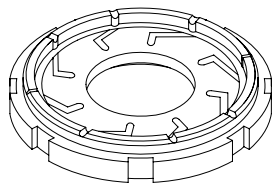
ILL. #5 BEARING



TW-2-4

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

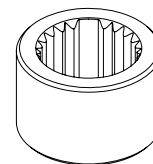
ILL. #6 STATOR CAP



TW-4-19

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

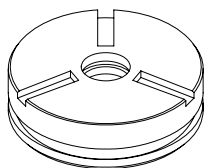
ILL. #7 INNER RACE



TX-14-6

O.D. 1.94"
Height 1.04"
Spline 27

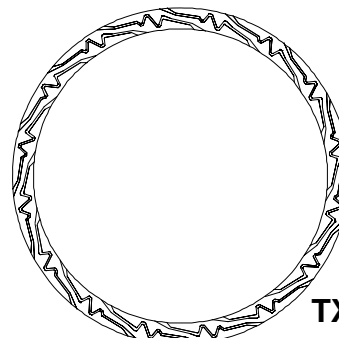
ILL. #17 TURBINE WASHER



TW-9-23, Plastic
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"

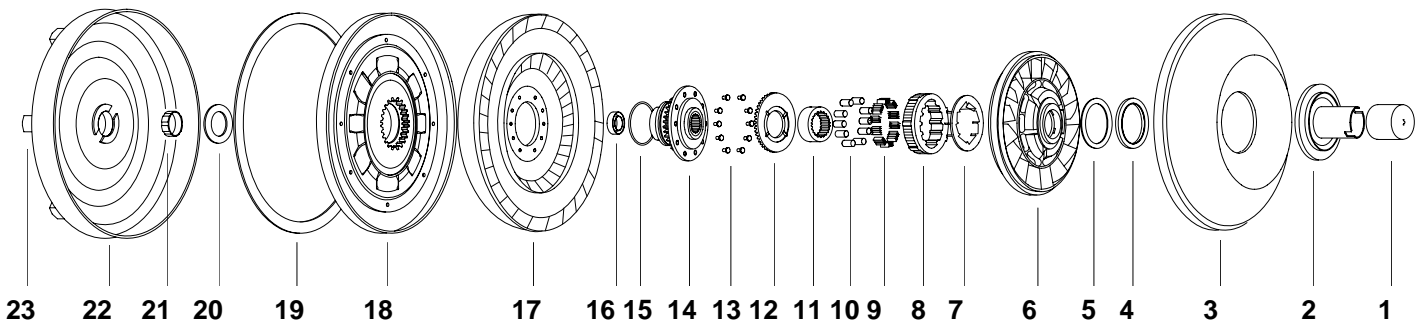
CHRYSLER 45RFE

A518, LIBERTY, GRAND CHEROKEE

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 Plastic, 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 Plastic, 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-23-19M
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
21	Cover, Front		
22	Pad, Mounting Threaded, 5/16"-24	4	
23	Bolt Threaded, 5/16"-24	4	

CHRYSLER 45RFE A518, LIBERTY, GRAND CHEROKEE

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



ILL. #2 IMPELLER HUBS, 1.875" DIA.

SH-1-23GRC SH-1-55GRC SH-1-3GRC

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

ILL. #4 BEARING

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

SW-2-12

ILL. #12 STATOR CAPS AND BEARING ADAPTER

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

ILL. #14 TURBINE HUB

O.D. 4.27"
23 Int. Spline
34 Ext. Spline

SX-13-14HT

ILL. #5 SHIM

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

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

ILL. #20 TURBINE WASHER

O.D. 2.19"
I.D. 1.39"

SW-9-16 Vespel®, .06" Thick
SW-9-16B Bronze, .08" 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		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 Plastic, 252-10174, OE Design Plastic, 5 Lug Design Adapter, Bearing Plastic, 252-10097, Use With TW-3-3 Washer Alternate, Aluminum, Use With Bearing SW-2-12		SW-4-19 SW-4-19A SW-4-19B WW-4-8
13	Rivet .214" Shank Dia., .385" Long	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		SX-23-34FLG
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-23-35 SX-23-49
<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., 1.39" I.D., .06" Thick Bronze, 2.36" O.D., 1.39" I.D., .08" 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 M10 × 1.	6	
N.I.	Bolt Hex Head, M10 × 1.	6	

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

CHRYSLER 68RFE

6.7L Cummins Diesel

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hub, Impeller	Flanged, 4 flats, Seal groove. Chrom-Molly steel	1.875"/47.63mm O.D. 4.15"/105.4mm Flange OD 2.78"/70.6mm Height		TH-1-44FLG
O-ring	Impeller Hub, Fluorocarbon, Black	1.612" I.D./40.94mm .103" Wide/2.62mm		TO-25-15
Bearing	Enclosed	O.D. 3.28" / 83.3mm I.D. 2.39" / 60.7mm Thick .25" / 6.4mm		SW-2-12
Retainer, Spring	Steel	Size: 3.120" x 3.120" / 79.2mm x 79.2mm Height .53" / 13.5mm		SX-15B
Spring, Accordion	3 Folds (10 required)	Width .560" /14.2mm Height .227" / 5.8mm		SS-6
Roller	10 required	Dia. .312" /7.9mm Length .560" / 14.2mm		SR-7
Race, Inner	27 Spline	O.D. 2.156" / 54.8mm Height 1.040" / 26.4mm		SX-14
Adapter, Bearing	Aluminum, for SW-2-12 Bearing	O.D. 3.75" / 95.2mm I.D. 1.71" / 43.4mm Thick .47" /11.9mm		WW-4-8

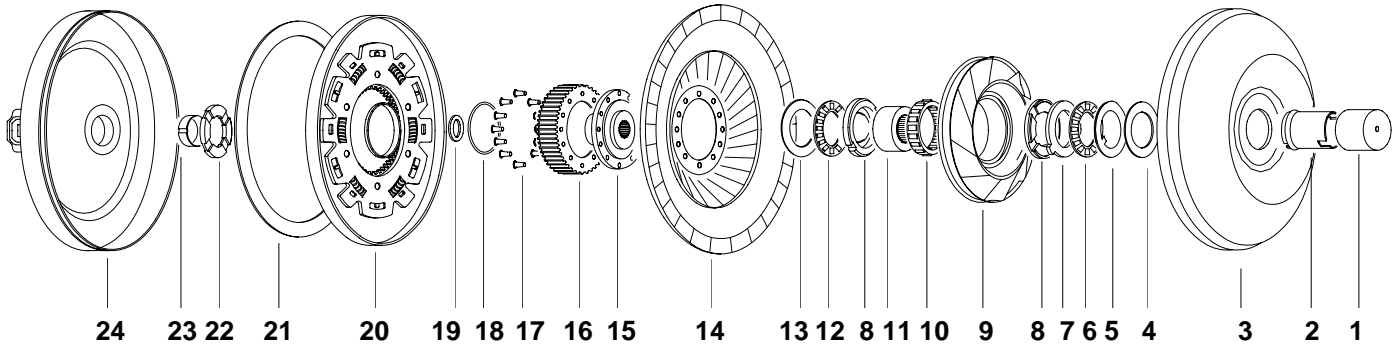
CHRYSLER 68RFE

6.7L Cummins Diesel

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Stator Cap	Plastic, 5 Lug Design (Alternate: SW-4-19 w/o Lugs, SW-4-19B w/Lugs and TW-3-3 Bronze Washer	O.D. 3.75" / 95.2mm I.D. 1.71" / 43.4mm Thick. .49" / 12.4mm		SW-4-19A
Clutch Plate, assembly	Steel core with double-sided High Carbon linings	35 Teeth O.D. 12.600"/320mm I.D. 10.157"/258mm		TX-24-11
Lining, High Carbon	2 required	O.D. 11.654"/296mm I.D. 10.157"/258mm Thickness .045"		TX-23-26HC
Damper Spring, Inner	8 required	O.D. .556"/14.1mm Free Length 2.018"/51.3mm Wire .103" Dia./2.62mm		TX-24-12
Damper Spring, Outer	8 required	O.D. .886"/22.5mm Free Length 2.040"/51.8mm Wire .154" Dia./3.91mm		TX-24-13
Ball Bearing	.	O.D. 2.047" / 52mm I.D. 1.575" / 40mm Thick. .276" / 7mm		TW-9-24
Seal	Metal Clad	20mm x 27mm x 4.7mm		TO-25-1
O-Ring	Fluorocarbon, Black	I.D. 3.150" / 80mm Thick. .098" / 2.5mm		TO-25-22

NOTES

F. & S. 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)
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ILL #5,6,7 BEARING AND RACES

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)
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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

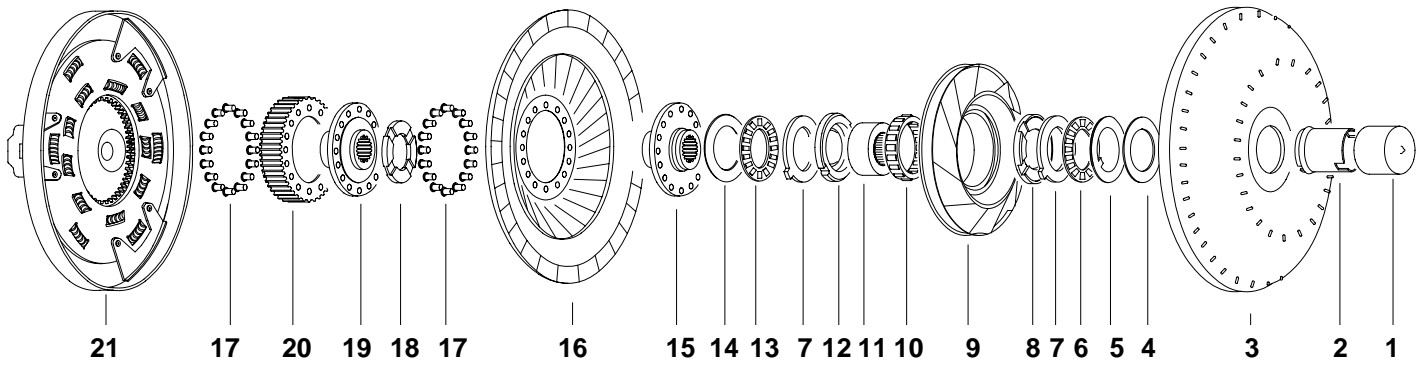
O.D. 2.30" (58.4mm)
I.D. 1.26" (32.0mm)

PW-9-3D Thick. .225" (5.7mm)	PW-9-3E Thick. .236" (6.0mm)	PW-9-3F Thick. .248" (6.3mm)
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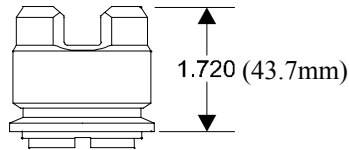
F. & S. BMW (BABY, 318), 254mm, BM-12

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	.166" Shank Dia., 0.382" 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-23-1
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
22	Washer, Turbine	Plastic, Selective 2.30" O.D., 1.26" I.D., Thick		PW-9-3D
		Thick		PW-9-3E
		Thick		PW-9-3F
		Thick		
23	Bushing, Cover	.67" O.D., .56" I.D., .40" High		PB-18
24	Cover, Front			

FICHTEL & SACHS ZF4HP18



ILL. # 2 IMPELLER HUB, 1.772" (45mm) DIA.



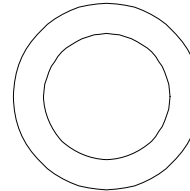
PH-1-7GRC

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 .01"
(0.25mm)

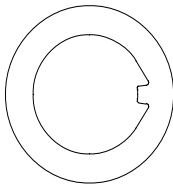
VW-2-20
Thick .02"
(0.5mm)

VW-2-30
Thick .03"
(0.76mm)

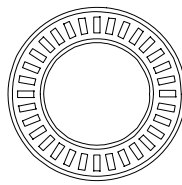
ILL #5,6,7

BEARING AND RACES

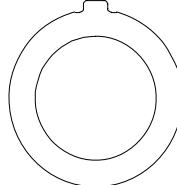
O.D. 2.35" (59.7mm)	O.D. 2.36" (59.9mm)	O.D. 2.42" (61.5mm)
I.D. 1.59" (40.4mm)	I.D. 1.57" (39.9mm)	I.D. 1.70" (43.2mm)
Thick .04" (1.0mm)	Thick .12" (3.0mm)	Thick .08" (2.0mm)



PW-2-4



JW-2ND

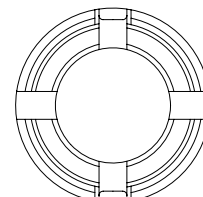


PW-2-3

ILL #8

STATOR CAP

O.D. 2.79" (70.9mm)
I.D. 1.64" (41.7mm)
Thick .42" (10.7mm)

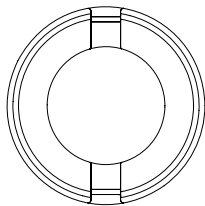


PW-4-1

ILL #12

STATOR CAP

O.D. 2.79" (70.9mm)
I.D. 1.66" (42.2mm)
Thick .34" (8.6mm)

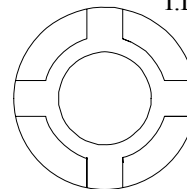


PW-4-10

ILL #18

TURBINE WASHERS

O.D. 2.30" (58.4mm)
I.D. 1.26"



PW-9-3D
Thick .225"
(5.7mm)

PW-9-3E
Thick .236"
(6.0mm)

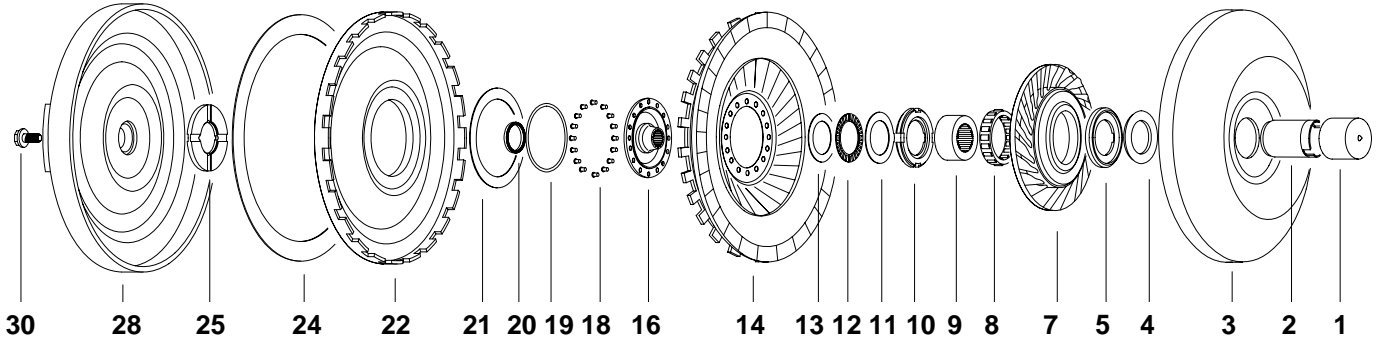
PW-9-3F
Thick .248"
(6.3mm)

FICHTEL & SACHS ZF4HP18

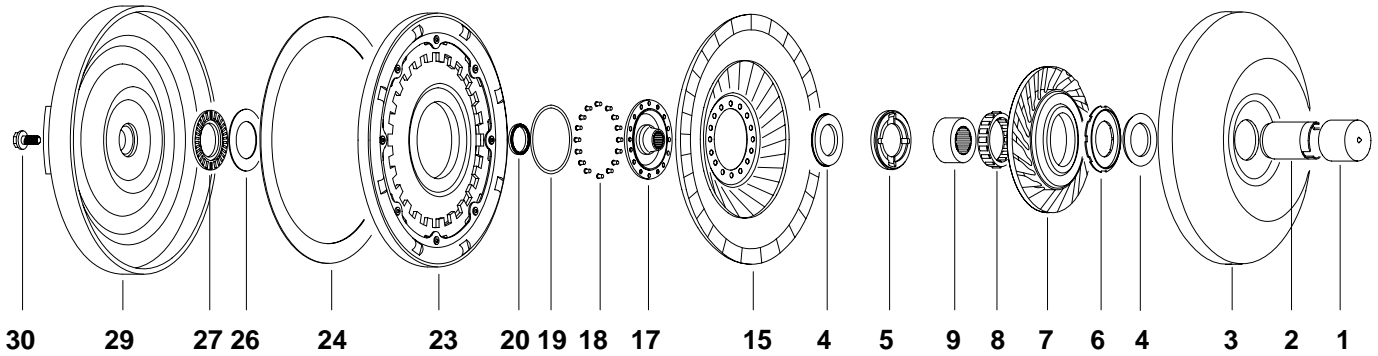
ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Blue™, For 1-3/4" Dia. Hubs		MHC-BU
2	Hub, Impeller			PH-1-7GRC
3	Impeller			
4	Shim, Selective	2.5" O.D., 1.56" I.D., .010" Thick		VW-2-10
		.020" Thick		VW-2-20
		.030" Thick		VW-2-30
5	Race, Steel	2.35" O.D., 1.59" I.D., 0.04" Thick, With Lug		PW-2-4
6	Bearing, Needle	40mm x 60mm x 3.2mm, Heavy Duty		JW-2ND
		40mm x 60mm x 3mm		JW-2N
7	Race, Steel	2.42" O.D., 1.7" I.D., .078" Thick, With Tang	2	PW-2-3
8	Cap, Stator	Rear, Aluminum, 2.79" O.D., 1.64" I.D., 0.42" Thick		PW-4-1
9	Stator			
10	Sprag	22 Cams Cam Repair Kit		VC-6-1 MF-295-22K
11	Race, Inner	43 Spline		
12	Cap, Stator	Aluminum, 2.79" O.D., 1.66" I.D., 0.34" Thick		PW-4-10
13	Bearing	40mm x 60mm x 2mm		PW-2-6
14	Race, Bearing	40mm x 60mm x 1mm		JW-2-5TT
15	Turbine Hub	34 Spline		
16	Turbine			
17	Rivet	Two Places	32	PX-12
18	Washer, Selective	2.30" O.D., 1.26" I.D., .225" Thick		PW-9-3D
		.236" Thick		PW-9-3E
		.248" Thick		PW-9-3F
19	Hub, Damper	22 Spline		
20	Gear, Cup	48 Spline		PX-8
21	Cover / Damper	Assembly		

FICHTEL & SACHS ZF4HP20

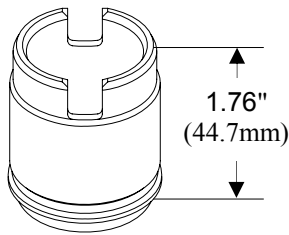
MERCEDES VITO (156200, D29 STAMP)



PEUGEOT, ALFA ROMEO 166, (156202, B38 STAMP)



ILL. # 2 IMPELLER HUB, 1.772" (45mm) DIA.



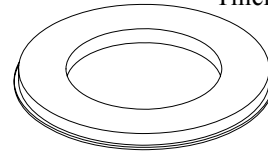
PH-1-12GRC

Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 60-63

ILL. # 4

BEARING

O.D. 2.51" (63.8mm)
I.D. 1.50" (38mm)
Thick. .19" (4.57mm)

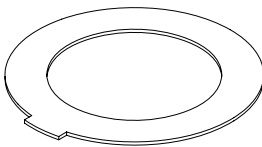


PW-2-10HD

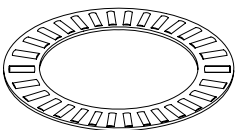
ILL. # 11, 12, 13, 26, 27

BEARINGS & RACES

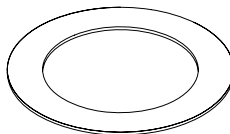
O.D. .42" (61.5mm)	O.D. 2.36" (60mm)	O.D. 2.35" (60mm)	O.D. 2.51" (63.8mm)	O.D. 2.43" (61.7mm)
I.D. 1.70" (43.2mm)	I.D. 1.57" (39.9mm)	I.D. 1.58" (40mm)	I.D. 1.53" (38.9mm)	I.D. 1.31" (33.3mm)
Thick. .08" (2.0mm)	Thick. .09/.12" (2.3/3mm)	Thick. .04" (1.0mm)	Thick. .04" (1.02mm)	Thick. .15" (.15mm)



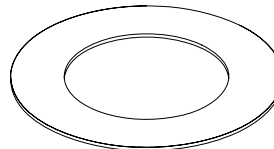
PW-2-3



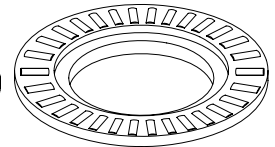
JW-2N / JW-2ND



JW-2-5T



PW-2-13



PW-2-12

FICHTEL & SACHS ZF4HP20

MERCEDES VITO & PEUGEOT, ALFA ROMEO

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, 2.51" O.D., 1.51" I.D., .19" Thick, For D29	1	PW-2-10HD
		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

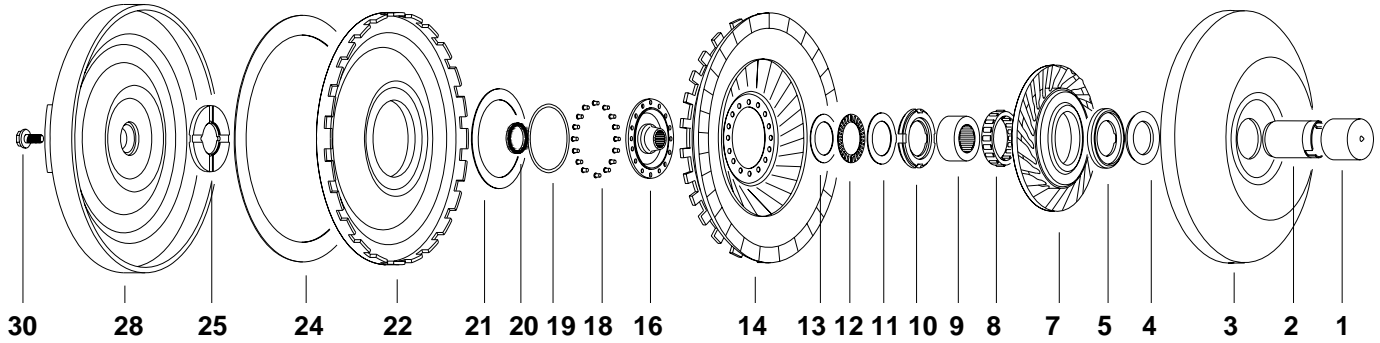
Continued ➡

4-7

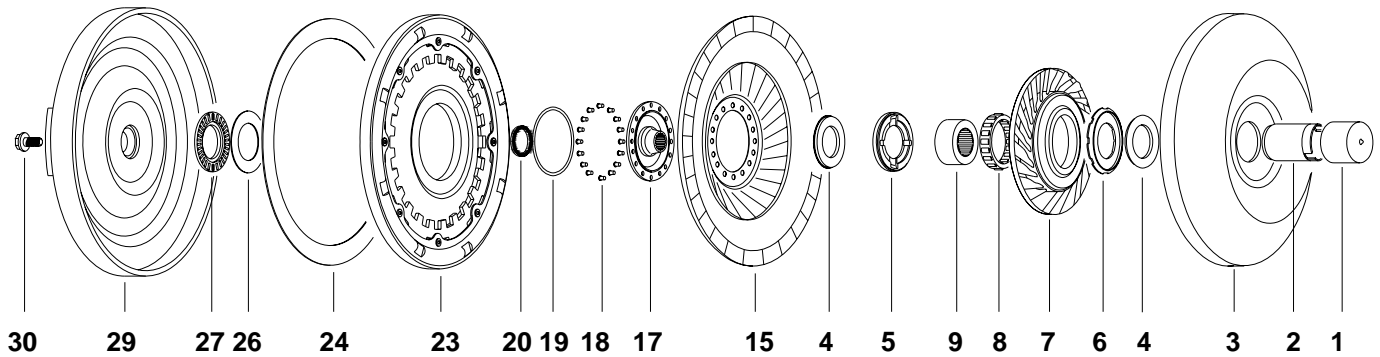
FICHTEL & SACHS ZF4HP20

FICHTEL & SACHS ZF4HP20

MERCEDES VITO (156200, D29 STAMP), Continued



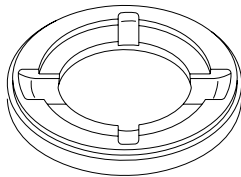
PEUGEOT, ALFA ROMEO 166, (156202, B38 STAMP)



ILL. # 5,6,10

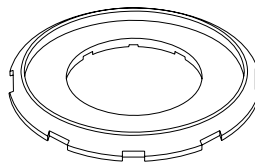
STATOR CAPS

O.D. 2.79" (70.9mm)
I.D. 1.64" (41.7mm)
Thick. .39" (9.9mm)



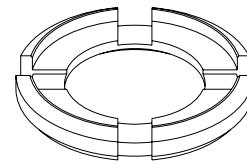
PW-4-13

O.D. 2.79" (70.9mm)
I.D. 1.64" (41.7mm)
Thick. .36" (9.1mm)



PW-4-14

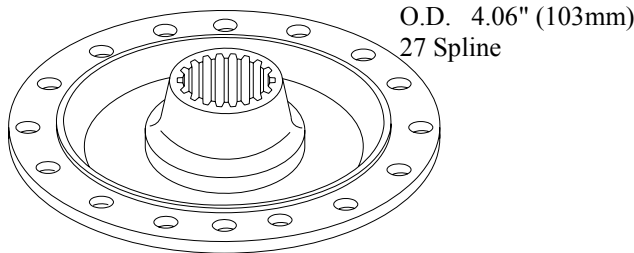
O.D. 2.79" (70.9mm)
I.D. 1.64" (41.7mm)
Thick. .42" (10.7mm)



PW-4-1

ILL. #16, 17

TURBINE HUB

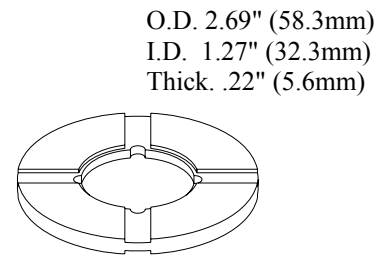


O.D. 4.06" (103mm)
27 Spline

PX-13-19HT
PX-13-20HT

ILL. # 25

TURBINE WASHER



O.D. 2.69" (58.3mm)
I.D. 1.27" (32.3mm)
Thick. .22" (5.6mm)

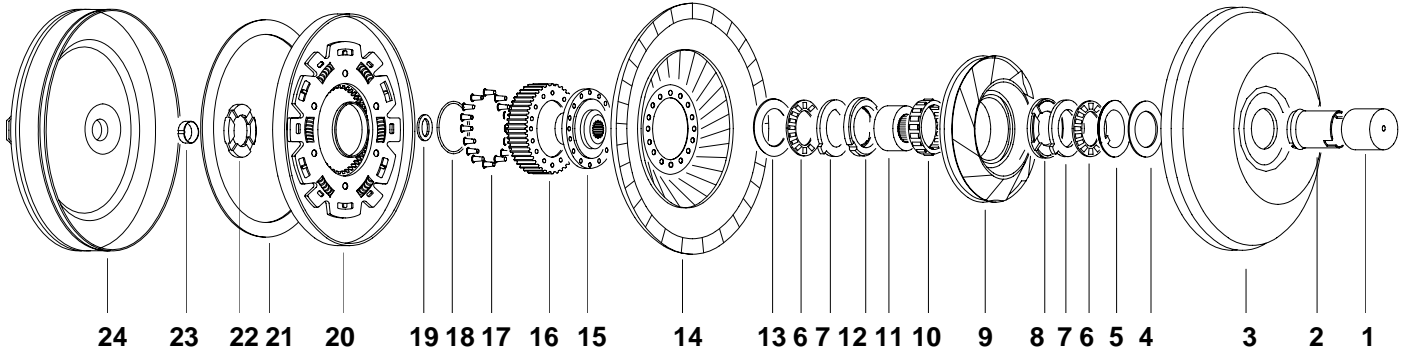
PW-9-6

FICHTEL & SACHS ZF4HP20

MERCEDES VITO & PEUGEOT, ALFA ROMEO , Continued

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	74.8mm I.D., 2.62mm 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		PX-8-1
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-23-13
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
25	Turbine Washer	2.69" O.D., 1.27" I.D., .22" Thick, Plastic 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.	
2.000 50.8mm	2.010 (51mm)	1.760 (44.7mm)	1.600 (40.6mm)
1.570 (40mm)		1.570 (40mm)	1.430 (36mm)
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

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)
PW-2-4	JW-2ND	PW-2-3

ILL #13

BEARING RACE

O.D. 2.35" (59.7mm) I.D. 1.58" (40.1mm)
JW-2-5TT
Thick. .03"(0.8mm)
JW-2-5T
Thick. .04" (1.0mm)

ILL. # 8, 12

STATOR CAPS

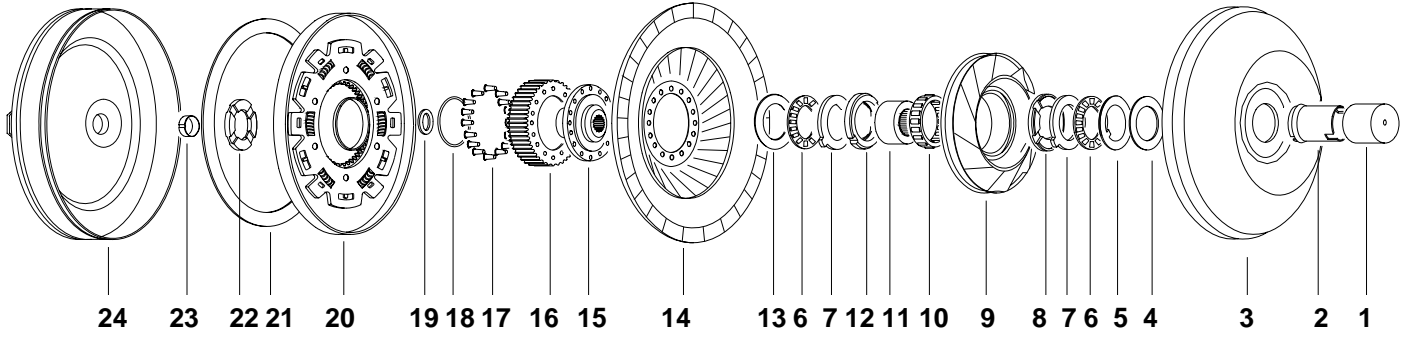
O.D. 2.79" (70.9mm) I.D. 1.64" (41.7mm) Thick. .42" (10.7mm)	O.D. 2.79" (70.9mm) I.D. 1.67" (42.4mm) Thick. .52" (13.2mm)	O.D. 2.79" (70.9mm) I.D. 1.67" (42.4mm) Thick. .28" (7.1mm)	O.D. 2.79" (70.9mm) I.D. 1.67" (42.4mm) Thick. .62" (15.7mm)	O.D. 2.79" (70.9mm) I.D. 1.67" (42.4mm) Thick. .33" (8.4mm)
PW-4-1	PW-4-2	PW-4-3	PW-4-4	PW-4-5

ZF4HP22 & CHRYSLER JEEP A999

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	22 Cams		VC-6-1
	Sprag	Cam Repair Kit		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			

Continued ➡

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

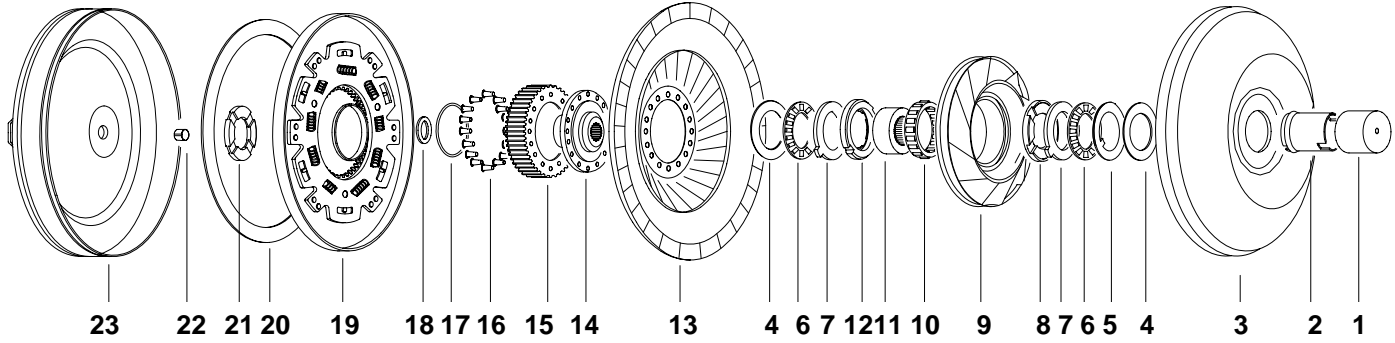
ZF4HP22 & CHRYSLER JEEP A999,

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
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	.166" Shank Dia., .316" Long	16 PX-12
		.166" 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-23-10
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
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, 1.62" O.D., 1.37" I.D., .50" High	TB-18-4
		ZF4-HP22, .67" O.D., .56" I.D., .40" High	PB-18
24	Cover, Front		

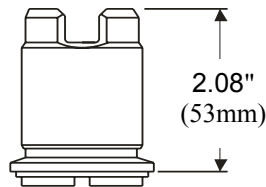
FICHTEL & SACHS ZF4HP22

BM-25, BMW & BM-27, 1990 Jaguar



ILL. # 2

IMPELLER HUB, 1.574" (40mm) DIA.

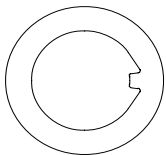


PH-1-9GRC

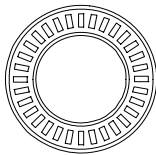
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ILL #5,6,7 BEARING, RACES

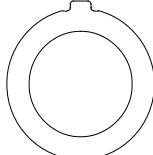
O.D. 2.35" (60mm)	O.D. 2.36" (60mm)	O.D. 2.42" (61mm)
I.D. 1.59" (40mm)	I.D. 1.57" (40mm)	I.D. 1.70" (43mm)
Thick .04" (1.0mm)	Thick .125" (3.2mm)	Thick .08" (2mm)



PW-2-4



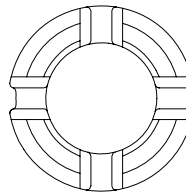
JW-2ND



PW-2-3

ILL #8 STATOR CAP

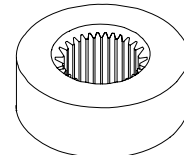
O.D. 2.97" (75mm)
I.D. 1.66" (42mm)
Thick .43" (11mm)



PW-4-11

ILL. # 11 INNER RACE

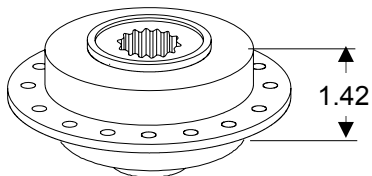
O.D. 2.16" (54.9mm)
I.D. 1.16" (29.5mm)
Height .86" (21.8mm)



PX-14-7

ILL. # 14 TURBINE HUB

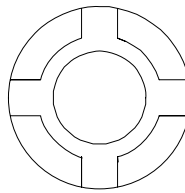
O.D. 3.89" (99mm)
27 Spline



PX-13-12HT

ILL. # 21 TURBINE WASHER

O.D. 2.30" (58.4mm)
I.D. 1.40" (35.6mm)



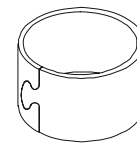
PW-9-2D
Thick .22"
(5.6mm)

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)



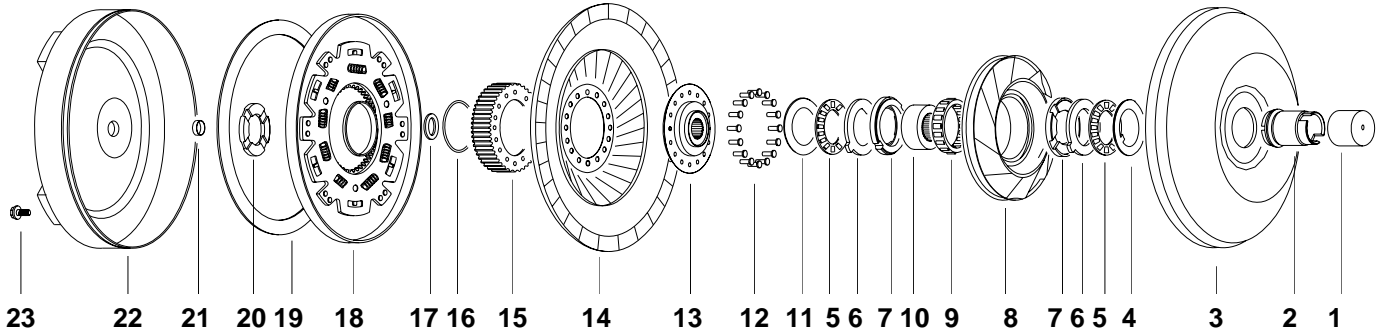
PB-18

FICHTEL & SACHS 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-6-10
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 .166" Shank Dia., .37" 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		

FICHTEL & SACHS 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**

<p>O.D. 2.35" I.D. 1.59" Thick. .04"</p> <p>PW-2-4</p>	<p>O.D. 2.36" I.D. 1.57" Thick. .12"</p> <p>JW-2ND</p>	<p>O.D. 2.42" I.D. 1.70" Thick. .08"</p> <p>PW-2-3</p>	<p>O.D. 2.35" I.D. 1.59" Thick. .08"</p> <p>JW-2-5T</p>
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ILL. # 7 **STATOR CAP**

O.D. 2.79"
I.D. 1.64"
Thick. .42"

PW-4-1
Aluminum

ILL. #20 **WASHER**

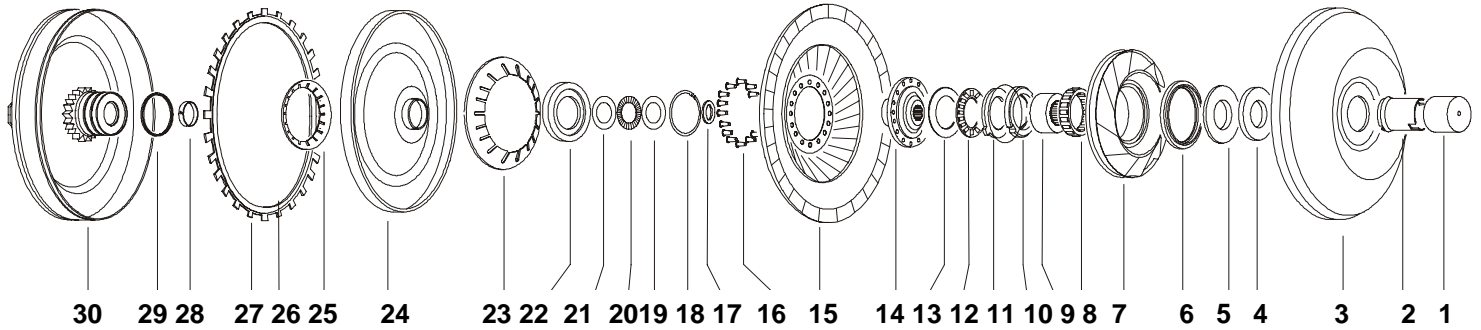
O.D. 2.29" (58.2mm)
I.D. 1.26" (32.0mm)
Plastic

PW-9-3D	PW-9-3E	PW-9-3F
Thick. .22" (5.6mm)	Thick. .24" (6.1mm)	Thick. .25" (6.4mm)

FICHTEL & SACHS 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	.166" Shank Dia., .37" 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-23-4
		<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

F. & S. 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)	O.D. 2.36" (60mm) I.D. 1.57" (40mm) Thick. .09/.12" (2.3/3.0mm)	O.D. 2.42" I.D. 1.70" Thick. .078"
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JW-2-5T JW-2N, JW-2ND 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. .08" (2.0mm)	O.D. 2.04" (52mm) I.D. 1.38" (35mm) Thick. .04" (1.0mm)
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PW-2-7 PW-2-8

ILL #24, 26 DIAPHRAGM SPRINGS

O.D. 4.30" (109mm) I.D. 2.94" (74.7mm) Height .22" (5.6mm)	O.D. 3.73" (94.7mm) I.D. 3.04" (77.2mm) Height .15" (3.8mm)
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PX-26-4 PX-26-5

ILL#28 CLUTCH ASSEMBLY

O.D. 11.04" (280mm)
I.D. 9.36" (238mm)
Thick. .12" (3.0mm)

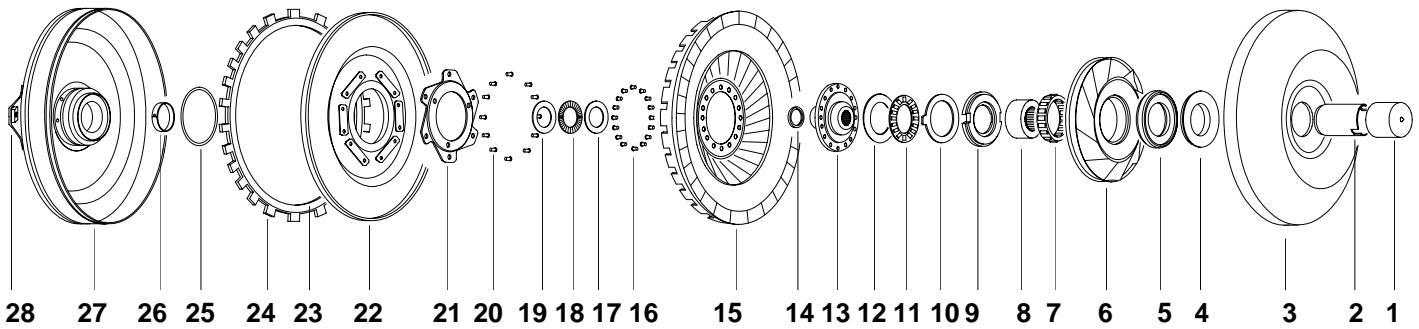
PX-26-3

*F. & S. 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
13	Race Heavy Duty, .12" Thick 2.35" O.D., 1.58" I.D., .04" Thick		JW-2ND JW-2-5T
14	Turbine Hub 27 Spline, 3.56" O.D.		PX-13-15HT
15	Turbine		
16	Rivet .17" Shank Dia., 37" 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		

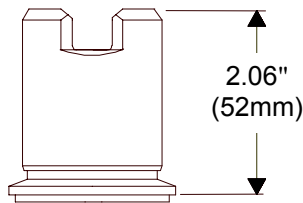
FICHTEL & SACHS 5 SPEED, ZF5HP30, BM-29, BMW 5401, 1993

FICHTEL & SACHS ZF5HP24, JAGUAR, BM-64



ILL. # 2

IMPELLER HUB, 1.574" (40mm) DIA.

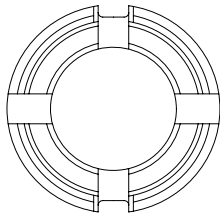


PH-1-11GRC

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

ILL # 9 STATOR CAP

O.D. 2.79" (70.9mm)
I.D. 1.64" (41.7mm)
Thick. .42" (10.7mm)



PW-4-1

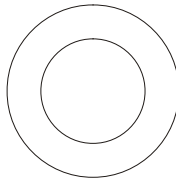
ILL # 12, 11, 10

BEARING AND RACES

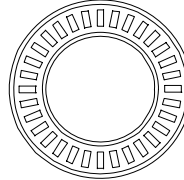
O.D. 2.35" (59.7mm)
I.D. 1.58" (40.1mm)
Thick. .04" (1.0mm)

O.D. 2.36" (60mm)
I.D. 1.57" (39.9mm)
Thick. .09/.12" (2.3/3.0mm)

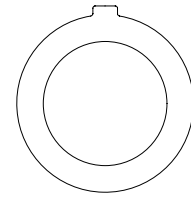
O.D. 2.42" (61.5mm)
I.D. 1.70" (43.2mm)
Thick. .78" (19.8mm)



JW-2-5T



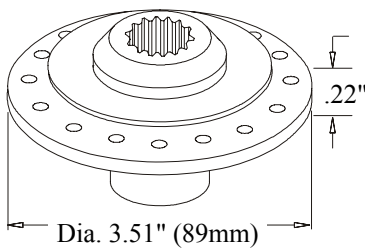
JW-2N, JW-2ND



PW-2-3

ILL. # 13 TURBINE HUB

27 Spline

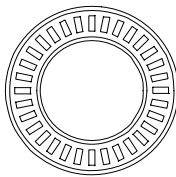


PX-13-14HT

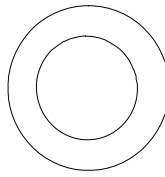
ILL. # 18, 19 BEARING & RACE

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)



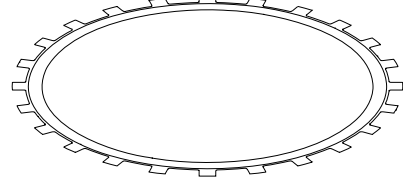
PW-2-7



PW-2-8

ILL # 24 LOCKUP CLUTCH

O.D. 10.21" (259mm)
I.D. 8.38" (213mm)
Thick. .12" (3.0mm)
Teeth 24



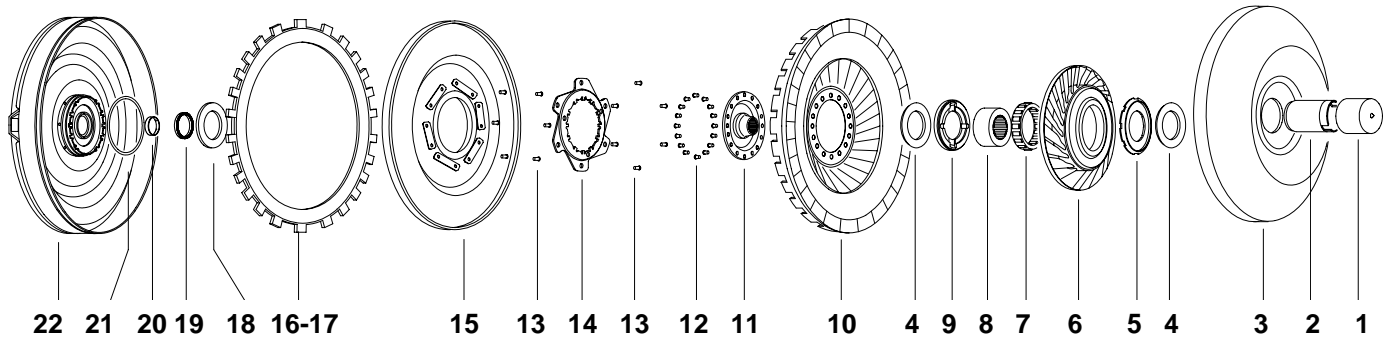
PX-26-6

FICHTEL & SACHS ZF5HP24, JAGUAR, BM-64BMW 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., 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 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 .17" Shank Dia., .37" 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 .17" Shank Dia., .37" 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-23-11
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
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., .45" High		PB-18-2
27	Cover, Front		
28	Bracket	3	

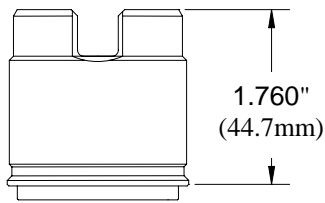
FICHTEL & SACHS ZF5HP24 JAGUAR, BM-64

FICHTEL & SACHS ZF5HP19 FL, GASOLINE, AUDI A8, 3.8 L

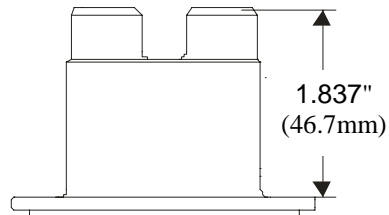


ILL. # 2

IMPELLER HUB, 1.772" (45mm) DIA.



PH-1-12GRC



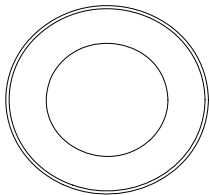
PH-1-17FLG

Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"- Hardness Rc 60-63

ILL # 4

BEARING

O.D. 2.51" (63.8mm)
I.D. 1.51" (38.4mm)
Thick. .18" (4.6mm)

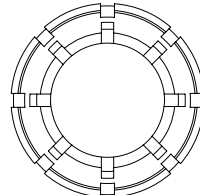


PW-2-10

ILL # 5, 9

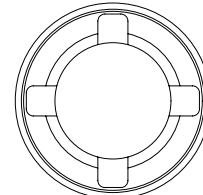
STATOR CAPS

O.D. 2.79" (70.9mm)
I.D. 1.63" (41.4mm)
Thick. .36" (9.1mm)



PW-4-14

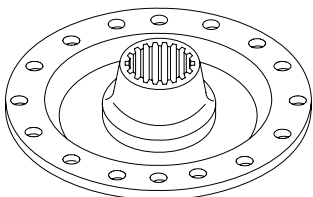
O.D. 2.79" (70.9mm)
I.D. 1.63" (41.4mm)
Thick. .39" (9.9mm)



PW-4-13

ILL. #11 TURBINE HUB

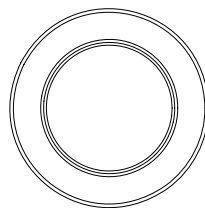
O.D. 4.015" (102mm)
27 Spline



PX-13-18HT

ILL. # 18 BEARING

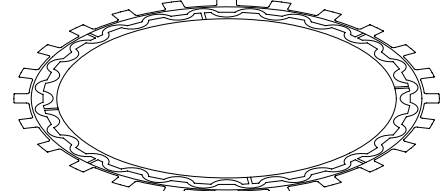
O.D. 2.19" (55.6mm)
I.D. 1.39" (35.3mm)
Thick. .16" (4.1mm)



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

FICHTEL & SACHS 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 1.772" O.D., 1.380" I.D., Flanged		PH-1-12GRC PH-1-12GRC PH-1-17FLG
3	Impeller		
4	Bearing Enclosed, 2.51", O.D., 1.50" I.D., 0.18" Thick	2	PW-2-10
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
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
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
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 Viton, 84mm I.D., 2.5mm Dia.		PO-25-3
22	Cover, Front Assembly		

FICHTEL & SACHS 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. 2.51" / 63.8mm I.D. 1.51" / 38.4mm Thick. 0.19" / 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.

FICHTEL & SACHS PARTS,

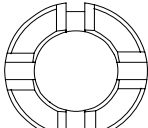
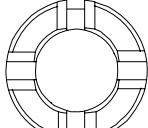
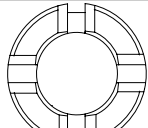
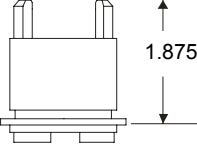

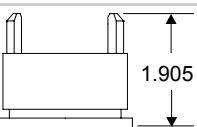
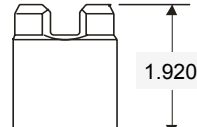
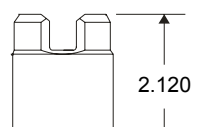
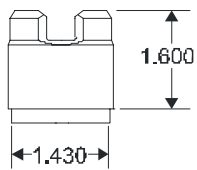
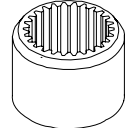
Not Cataloged Elsewhere

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" (230mm) 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

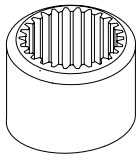
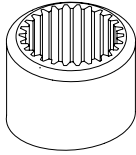

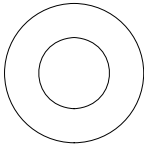

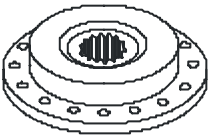
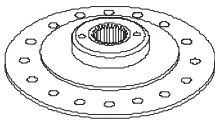
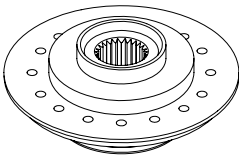
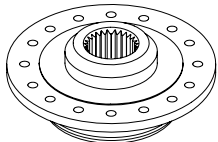
Items not yet in stock are in production planning. Your Tri Component representative will advise availability as per your requirements. Your suggestions for additional items will be directed to engineering.

FICHTEL & SACHS,
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

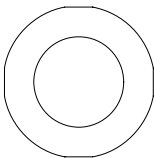
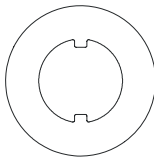
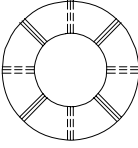
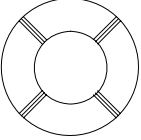
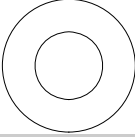
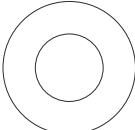
FICHTEL & SACHS,
Not Cataloged Elsewhere. Continued

ZF NON - LOCKUP, Peugeot, BMW, Alfa Romeo				
DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART #	
Insert, Spline	With Seal Bore For Lockup	1.31" () O.D., 1.38" High 27 Spline		PX-13-27L
Insert, Spline	With Seal Bore For Range Rover	1.31" O.D., 27 Spline 1.50" High		PX-13-27LR
Roller	Stator	.235" O.D., .47" Long		PR-7
Shim	End Play	2.87" O.D., 1.47" I.D. .02" Thick		TW-2X
Sprag	ZF-3HP22	22 Cams		VC-6-1
Turbine Hub	27 Spline	3.50" O.D.		PX-13-2HT
Turbine Hub	22 Spline	3.50" O.D.		PX-13-11HT
Turbine Hub (For BM-2)	27 Spline	4.14" O.D.		PX-13-16HT
Turbine Hub	27 Spline	3.56" O.D.		PX-13-17HT

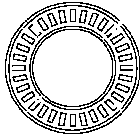
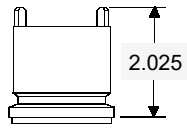
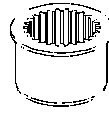
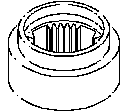

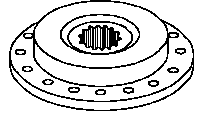
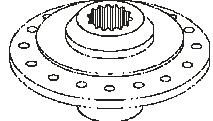
FICHTEL & SACHS PARTS,

Not Cataloged Elsewhere, Continued

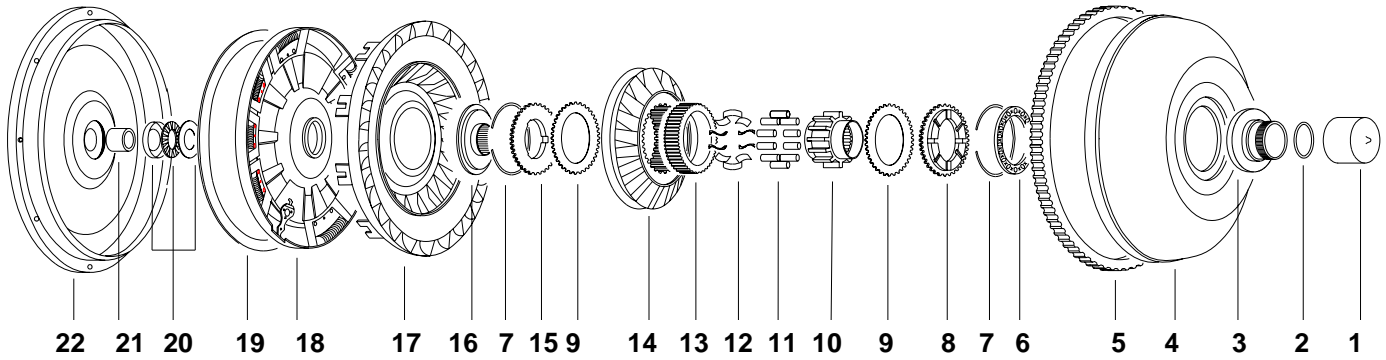
ZF NON - LOCKUP, PEUGEOT, BMW, ALFA ROMEO

DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART #
Washer, Steel	ZF-3HP22 2.95" O.D., 1.75" I.D. .09" Thick		WW-2-4
Washer, Steel	ZF-3HP20 2.87" O.D., 1.59" I.D. .06" Thick		PW-2-2
Washer, Turbine	Fibre, Replaces Bronze Selective 2.75" O.D., 1.33" I.D., .062" Thick .070" Thick .079" Thick .087" Thick .096" Thick .106" Thick .045" 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" O.D., 1.45" I.D., .12" Thick		PW-9-1
Washer, Turbine	Fibre 2.36" O.D., 1.34" I.D. .062" Thick		PW-9-062
Washer, Turbine	Fibre 2.36" O.D., 1.34" I.D. .094" Thick		PW-9-094

FICHTEL & SACHS PARTS, *Not Cataloged Elsewhere, Continued*

ZF NON - LOCKUP, PEUGEOT, BMW, ALFA ROMEO					
DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART #		
INDUSTRIAL					
Bearing, Needle	Cover To Turbine	3.03" O.D., 2.16" I.D., .12" Thick		PW-9-4	
Hub, Impeller	2 Lugs (Can Also Use FH-1MTG)	1.937" O.D.		WH-1-13G	
Insert, Spline	29 Spline	1.19" O.D., 1.03" High		WX-13-29	
Race, Inner	31 Spline, 10 Removed	2.16" O.D., 1.647" High		PX-14-6	
Race, Inner	31 Spline, 10 Removed	2.16" O.D., 1.515" High		PX-14-9	
Turbine Hub	29 Spline	3.5" O.D.		PX-13-3HT	
Turbine Hub	27 Spline	3.56" O.D.		PX-13-13HT	

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	<p>The illustration shows a cross-section of an impeller hub. Dimension 'A' is the diameter of the hub. Dimension 'L' is the length of the hub. Dimension 'N' is the diameter of the teeth on the hub.</p>	
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	<p>The illustration shows a cross-section of an impeller hub. Dimension 'A' is the diameter of the hub. Dimension 'L' is the length of the hub. Dimension 'N' is the diameter of the teeth on the hub.</p>	

Hardness Rc 35-40

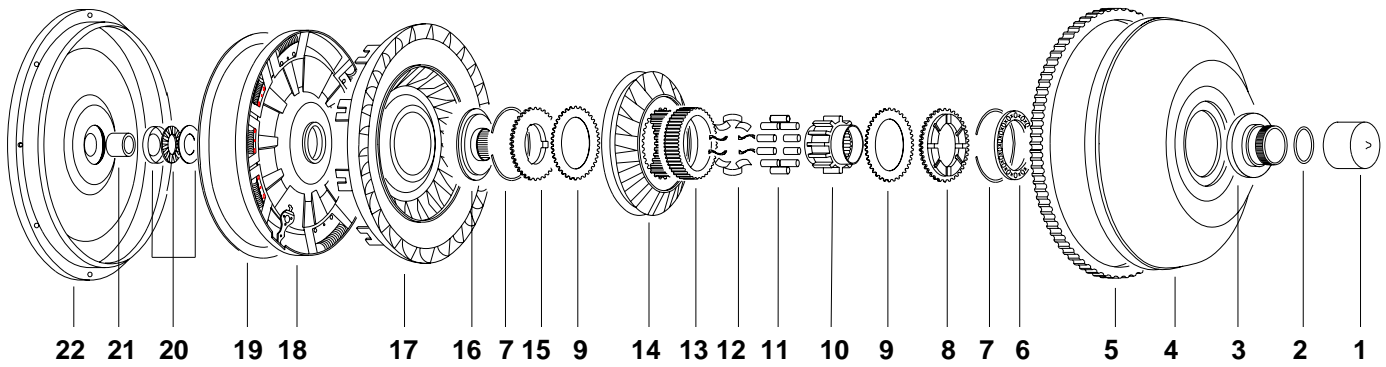
ILL. #6				BEARINGS	
	O.D. 2.56" (65mm)		O.D. 2.56" (65mm)		O.D. 2.85" (72mm)
	I.D. 1.77" (45mm)		I.D. 1.70" (43mm)		I.D. 1.97" (50mm)
	Thick. .16" (4.1mm)		Thick. .19" (4.8mm)		Thick. .18" (4.6mm)
NW-2		NW-2-1		NW-2-2	

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		NW-2 NW-2-1 NW-2-2 NW-2-3 NW-2-5
	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-2-26K 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			

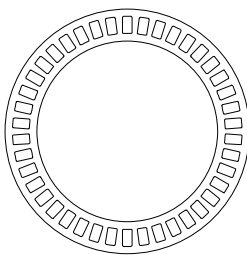
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HONDA LOCKUP, *Continued*



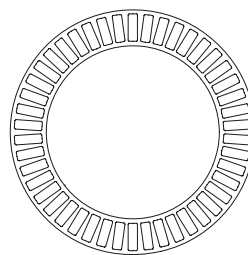
ILL. # 6

BEARINGS



NW-2-3

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

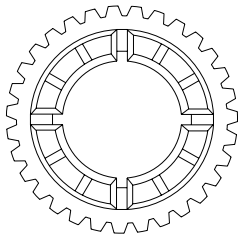


NW-2-5

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

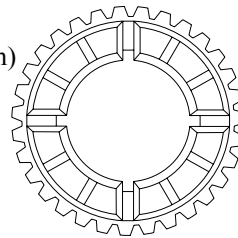
ILL. # 8, 15

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)

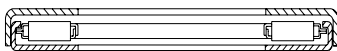


NW-4-1

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

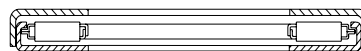
ILL. # 20

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

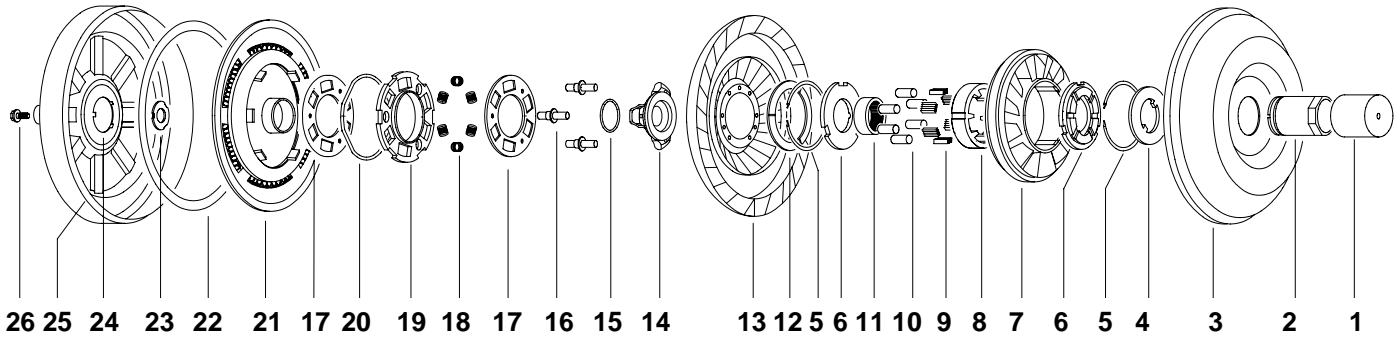
ILL.#	DESCRIPTION	QTY.	PART #
15	Washer	Bronze, 2.35", Thrust Surface Diameter	NW-4-1
16	Turbine Hub		
N.I.	Ring, PTFE Seal	G-4, MPYA, Scarf Cut, 36mm x 2.0mm	NO-25
17	Turbine		
18	Lockup Clutch	Civic, Accord, 9-3/8" O.D., Without Valve	NX-23
		Civic, Accord, 9-3/8" O.D. With Valve	NX-23V
		Sterling, 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-23-17
		<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>	
20	Bearing Kit, Cover	With 35mm Bearing O.D., 36.8mm Kit O.D.	NW-9K
		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

NOTES

JATCO, NISSAN & OTHER JAPANESE

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

O.D. 2.46" (62.5mm)
I.D. 1.54"(39.1mm)
Thick. .09" (2.3mm)

JW-2-1

ILL. # 6 STATOR CAP

O.D. 2.83" (71.9mm)
I.D. 1.42" (36.1mm)
Thick. .34" (8.6mm)

JW-4-1 **JW-4-3**

ILL. # 14 TURBINE HUBS

18 Spline O.D. 3.55" (90.2mm)
18 Spline

2.28" (58mm)

JX-13-5HT **JX-13-8HT**

ILL. #23, 24 WASHER & RETAINER

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

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

JW-9-5 **JX-22-3**

JATCO L3N71B, DA-5

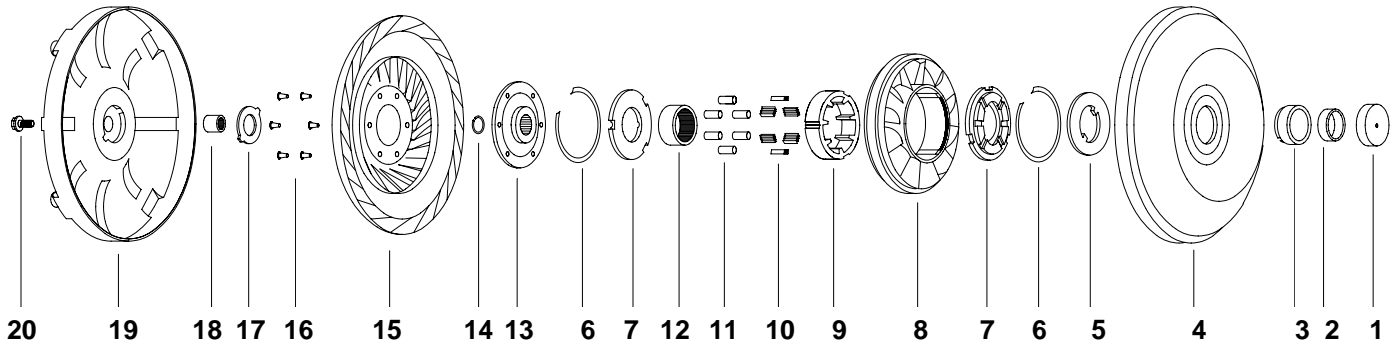
(Includes Pulsar Non-Lockup)

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

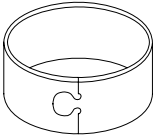
ILL.#	DESCRIPTION	QTY.	PART#
1	Hubcap® Black™, For 1-5/8" Dia. Hubs		MHC-B
2	Hub, Impeller 1.651" Dia. Hub, Butt Mount, Heat Treated 1.651" Dia. Hub, Through Mount, Heat Treated		JH-1-5GRC JH-1-31GRC
3	Impeller		
4	Washer, Steel 2 Lugs, 2.46" O.D., 1.54" I.D., .09" Thick		JW-2-1
5	Ring, Snap	2	
6	Cap, Stator Plastic, 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 32mm 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 8-3/8" O.D., 7-1/2" I.D., .045" Thick 8-1/2" O.D., 7-1/4" I.D., .045" Thick		JX-23-1 YX-23-19
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon"HC", for High Carbon, "T" for Tan</i>			
23	Washer, Turbine Metal, Replaces Plastic		JW-9-5
24	Retainer		JX-22-3
25	Cover, Front		
26	Bolt		

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

JATCO F3A FWD, DA-7



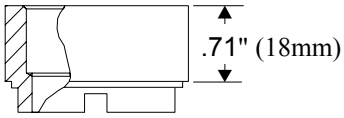
ILL. #2 BUSHING



O.D. 1.41" (35.8mm)
I.D. 1.30" (33mm)
Height .47" (11.9mm)

JB-18-3

ILL. #3 IMPELLER HUB, 1.769" (44.9mm) DIA.

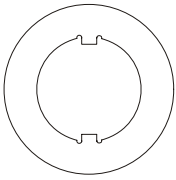


.71" (18mm)

JH-1-6G

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

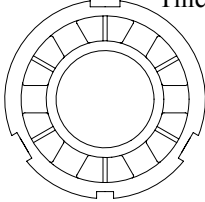
ILL. #5 STEEL WASHER



O.D. 2.46" (62.5mm)
I.D. 1.54" (39mm)
Thick. .09" (2.3mm)

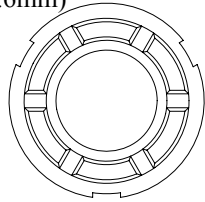
JW-2-1

ILL. #7 STATOR CAP



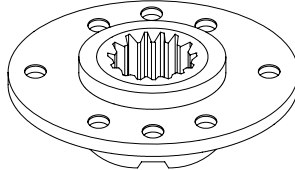
O.D. 2.83" (72mm)
I.D. 1.42" (36mm)
Thick. .34" (8.6mm)

JW-4-1
Plastic



JW-4-3
Aluminum

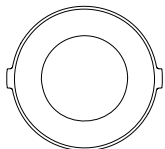
ILL. #13 TURBINE HUB



O.D. 3.31" (84mm)
Height .77" (19.6mm)
18 Spline

JX-13-1HT

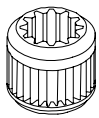
ILL. #17 WASHER



O.D. 1.46" (37mm)
I.D. .87" (22mm)
Thick. .102" (2.6mm)

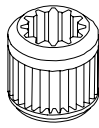
JW-9

ILL. #18 PUMP DRIVE



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

▶ DACCO # DA-7

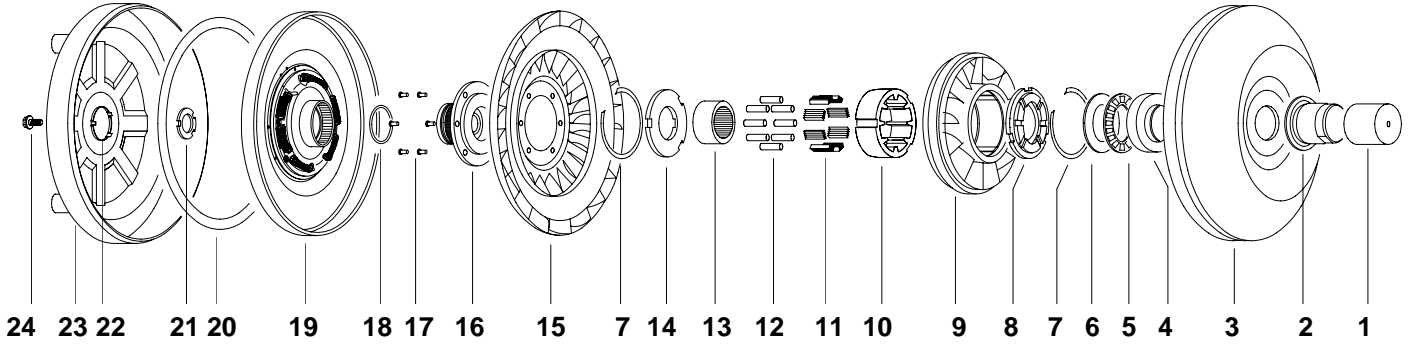
▶ ATC DA7

▶ OTHER 91-1

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Purple™, 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 Plastic, 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 Plastic, 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 L4N71B RWD, DA-8

Early & Late Models



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

JH-1-2GRC	JH-1-31GRC	JH-1-32FLGRC
2.06" (52mm)	1.94" (49.3mm)	1.93" (49.0mm)

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)
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JW-2-5 **JW-2ND** **JW-2-6**

ILL. # 8, 14 STATOR CAP

O.D. 2.83" (71.9mm) I.D. 1.42" (36.1mm) Thick. .35" (8.9mm)	O.D. 2.83" (71.9mm) I.D. 1.42" (36.1mm) Thick. .37" (9.4mm)	O.D. 2.83" (71.9mm) I.D. 1.42" (36.1mm) Thick. .34" (8.6mm)
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JW-4-3 Aluminum **JW-4-27** Aluminum **JW-4-1** Plastic

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

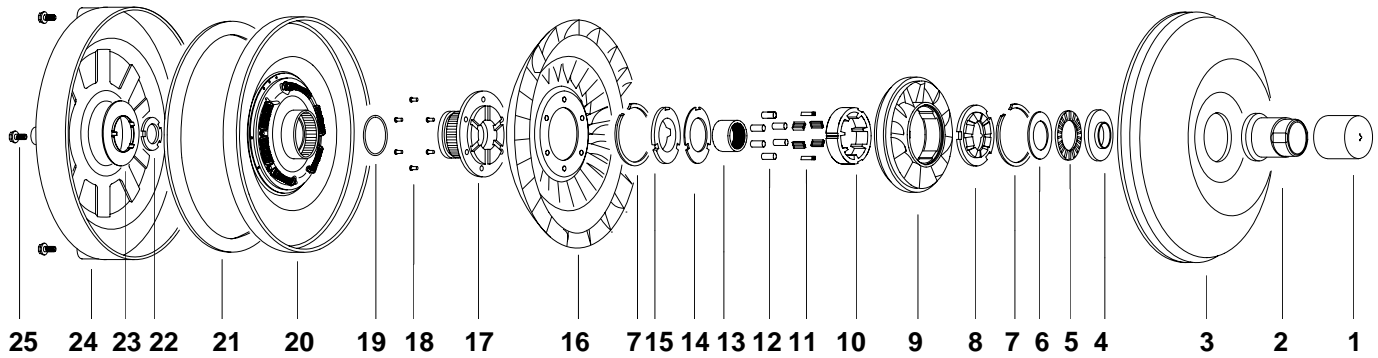
▷ DACCO #	DA-8
▷ ATC	DA8
▷ OTHER	66-8L

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap [®] Black TM , For 1-5/8" Dia. Hubs		MHC-B
2	Hub, Impeller Thru Mount Butt Mount Flanged		JH-1-2GRC JH-1-31GRC JH-1-32FLGRC
3	Impeller		
4	*Race, Bearing Outer, 2.37" O.D., 1.49" I.D., 64" High		JW-2-6
5	*Bearing 2.36" O.D., 1.57" I.D., .12" Thick		JW-2ND
6	*Race, Bearing 2.35" O.D., 1.59" I.D., .08" Thick .04" Thick .03" Thick		JW-2-5 JW-2-5T JW-2-5TT
7	Ring, Snap	2	
8	Cap Stator Early, Aluminum, 2.83" O.D., 1.42" I.D., .35" Thick Replaced by JW-4-1 With JW-2-5TT Late, Aluminum, 2.83" O.D., 1.42" I.D., .37" Thick Replaced by JW-4-1 With JW-2-5T		JW-4-3 JW-4-27
9	Stator		
10	Race, Outer (Cam)		JX-15-5
11	Spring, Accordion Early, 4 Folds, .945" Long, .250" Wide Late, 4 Folds, .945" Long, .185" Wide	8 8	JS-6-3 JS-6-5
12	Roller Early, .255"Dia., .984" Long Late, .316"Dia., .981" Long	8 8	JR-7-4 JR-7-3
13	Race, Inner 30 Spline, 1.61" O.D., 1.02" High		JX-14-4
14	Stator Cap Plastic		JW-4-1
15	Turbine 236mm Diameter		
16	Turbine Hub Insert, Spline 18 Int., 48 Ext. Spline 18 Spline		JX-13-6HT JX-13-18X
17	Rivet Early, .31" Long Shank Late, .38" Long Shank	6 6	WX-12A WX-12B
18	O-Ring 36mm I.D. x 2mm, Standard 38mm I.D. x 2.6mm, Oversized		JO-25-2 JO-25-4
19	Lockup Clutch Early Late		JX-23-6 JX-23-13
20	Lining Early Model, 8-7/8" O.D., 8" I.D., .045" Thick 8-7/8" O.D., 8" I.D., .070" Thick Late Model, 9" O.D., 8-1/4" I.D., .045" Thick 9" O.D., 8-1/4" I.D., .070" Thick		SX-23-31 SX-23-31X70 JX-23-3 JX-23-3X70
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon"HC", for High Carbon, "T" for Tan</i>			
	Ring, Floating 9-5/8" O.D., 8" I.D., .070" Thick		JX-23-4
21	Washer, Turbine Metal, Replaces Plastic, 1.60" O.D., .87" I.D., .15" Thick		JW-9-6
22	Retainer 2.75" O.D., 1.60" I.D., .04" Thick, Steel		JX-22-2
23	Cover, Front		
24	Bolt		

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

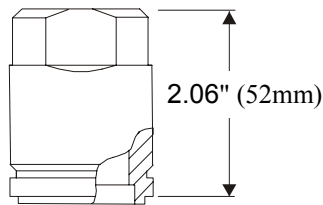
} Kit **JW-2BK**

JATCO R4A-EL, DA-8-20

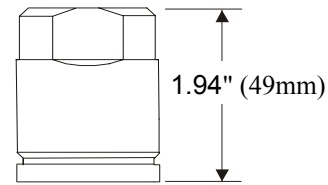


ILL. #2

IMPELLER HUB, 1.651" (41.9mm) DIA.



JH-1-2G



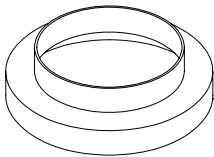
JH-1-31GRC

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)

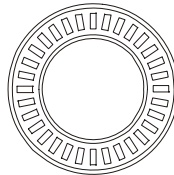


JW-2-6

ILL. #5

BEARING

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

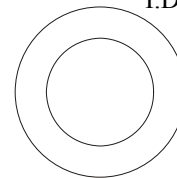


JW-2ND

ILL. #6

RACE

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

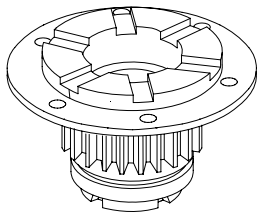


JW-2-5, .08" Thick
JW-2-5T, .04" Thick
JW-2-5TT, .03" Thick

ILL. #17

TURBINE HUB

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

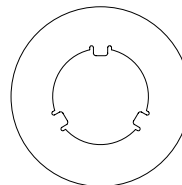


JX-13-28HT

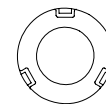
ILL. # 23, 22

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

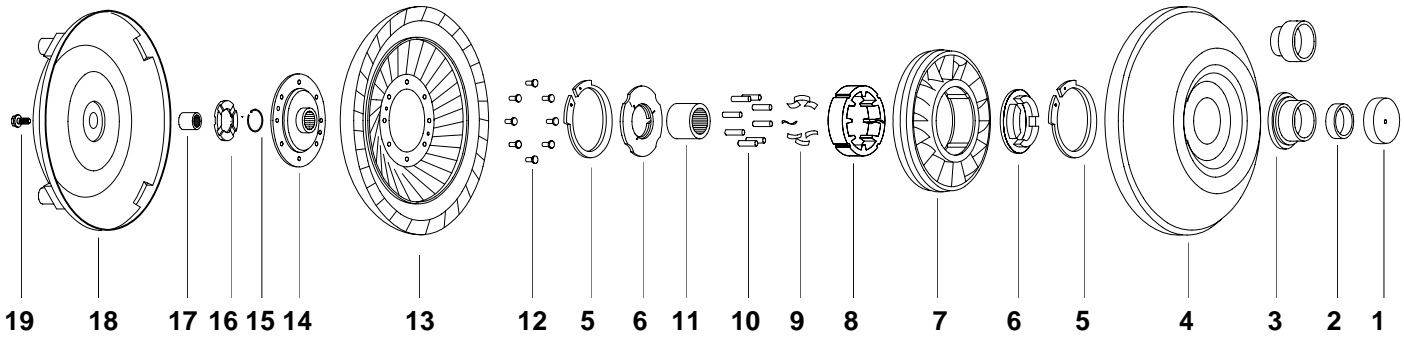
ILL. #	DESCRIPTION	QTY.	PART #
1	Hubcap® Black™, For 1-5/8" Dia. Hubs		MHC-B
2	Hub, Impeller 1.651" Dia. 2.08" Height 1.651" Dia. 1.94" Height		JH-1-2G JH-1-31GRC
3	Impeller		
4	*Retainer, Bearing 2.37" O.D., 1.40" I.D., .64" High		JW-2-6
5	*Bearing 2.36" O.D., 1.57" I.D., .12" High		JW-2ND
6	*Race, Bearing 2.35" O.D., 1.59" I.D., .08" Thick .04" Thick .03" Thick		JW-2-5 JW-2-5T 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	6	FX-12
19	O-Ring 36mm I.D. x 2mm, Standard 38mm I.D. x 2.6mm, Oversized		JO-25-2 JO-25-4
20	Lockup Clutch		JX-23-6
21	Lining 8-7/8" O.D., 8" I.D., .045" Thick		SX-23-31
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
22	Washer, Turbine Metal, Replaces Plastic, 1.60" O.D., .87" I.D., .15" Thick		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

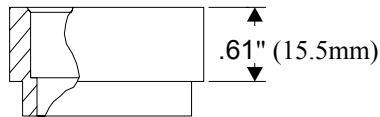
JATCO R4A-EL, DA-8-20

JATCO RN3F01A, DA-10

Nissan



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

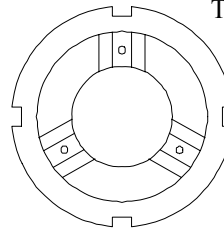


JH-1-8G

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

ILL. # 6 STATOR CAP

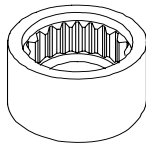
O.D. 3.07" (78mm)
I.D. 1.39" (35mm)
Thick .31" (7.9mm)



JW-4-16

ILL. # 11 INNER RACE

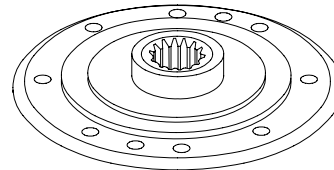
O.D. 1.65" (42mm)
Height 1.08" (27.4mm)
30 Spline



JX-14-9

ILL. # 14 TURBINE HUB

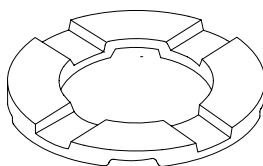
O.D. 3.94" (100mm)
Height .79" (20mm)
18 Spline



JX-13-34HT

ILL. # 16 TURBINE WASHER

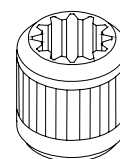
O.D. 2.52" (64mm)
I.D. 1.10" (27.9mm)
Thick .16" (4.1mm)



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

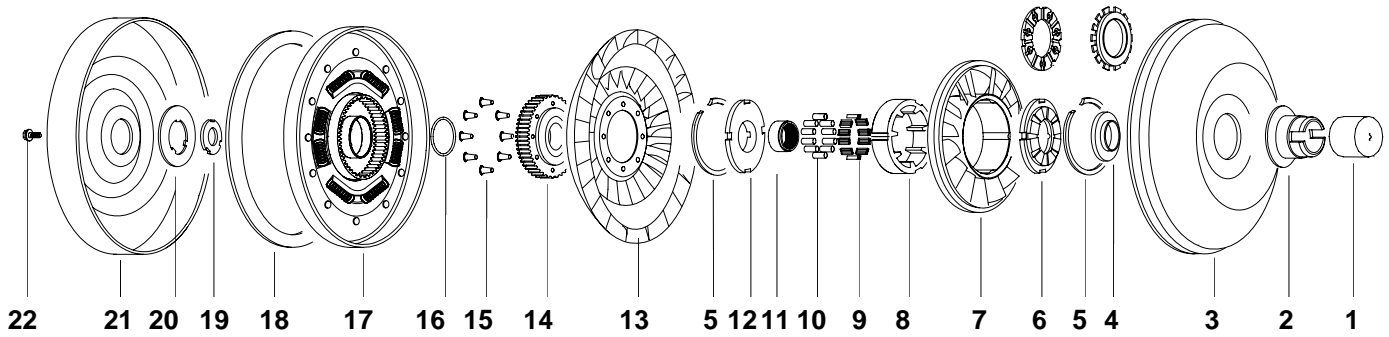
Nissan

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

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Purple™, 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	

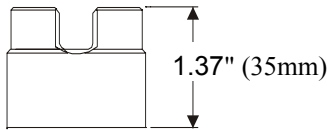
JATCO RL4F02A, DA-11

Maxima

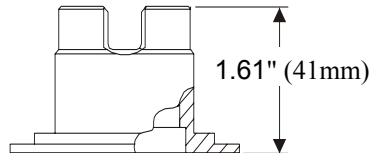


ILL. #2

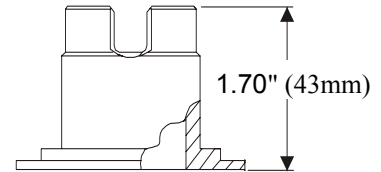
IMPELLER HUB, 1.809" (45.9mm) DIA.



JH-1-9GRC



JH-1-21GRC



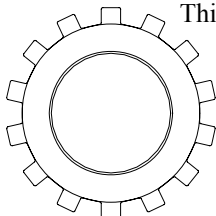
JH-1-22GRC

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

ILL. #4

BEARING

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



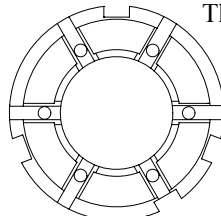
JW-2-2

ILL. #6

BEARING ADAPTER & BEARING

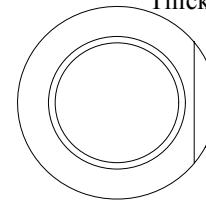
O.D. 3.38" (86mm)
I.D. 1.70" (43mm)
Thick. .36" (9mm)

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



JW-4-24

Use w/ Bearing TW-2-4

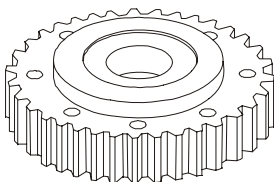


TW-2-4

ILL. #14

TURBINE HUB

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



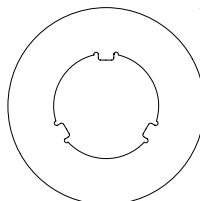
JX-13-14HT

ILL. # 20, 19

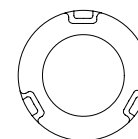
RETAINER & WASHER

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

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



JX-22-3



JW-9-5

JATCO RL4FO2A, DA-11

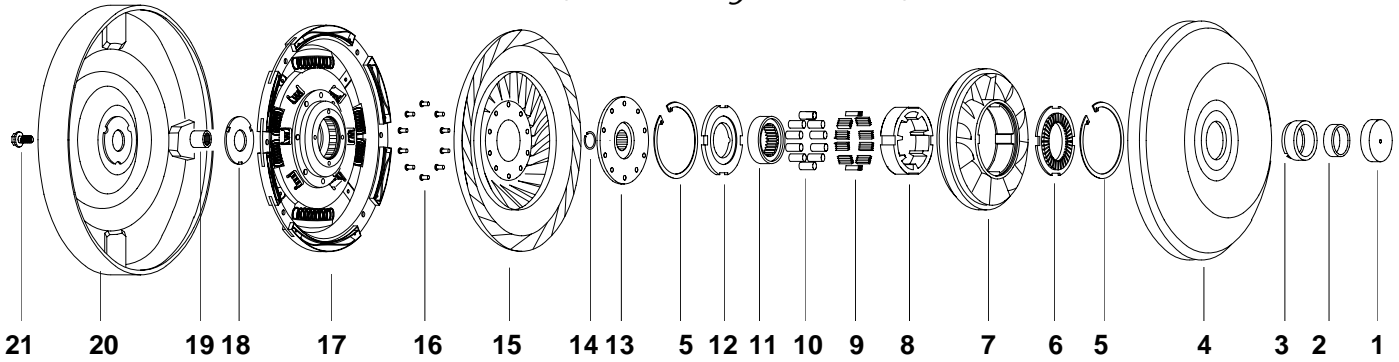
Maxima

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

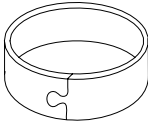
ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Blue™, For 1-3/4" Dia. Hubs		MHC-BU
2	Hub, Impeller Standard, Heat Treated		JH-1-9GRC
	Flanged, Heat Treated, Early		JH-1-21GRC
	Flanged, Heat Treated, Late		JH-1-22GRC
3	Impeller		
4	Bearing Semi-Enclosed, Early		
	Enclosed, 14 Tangs, Late		JW-2-2
5	Ring, Snap	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 Plastic		
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
	38mm I.D. x 2.6mm, Oversized		JO-25-4
17	Lockup Clutch		JX-23-14
18	Lining, Friction 9-7/8" O.D., 9" I.D., .045" Thick		JX-23-10
	<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>		
19	Washer, Turbine Metal, Replaces Plastic		JW-9-5
20	Retainer Steel		JX-22-3
21	Cover, Front		
22	Bolt	4	

JATCO F3A, DA-12-TT

Mazda 323, Mercury Tracer, Laser



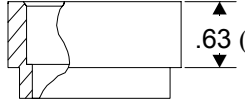
ILL. # 2 BUSHING



O.D. 1.45" (37mm)
I.D. 1.30" (33mm)
Height .47" (12mm)

JB-18-6

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

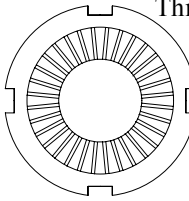


.63 (16mm)

JH-1-8GRC

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

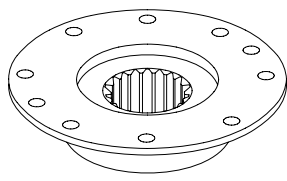
ILL. #6 STATOR CAP



O.D. 3.80" (96.5mm)
I.D. 1.65" (42mm)
Thick .24" (6.1mm)

JW-4-10

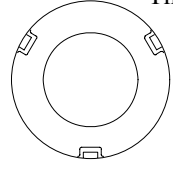
ILL. # 13 TURBINE HUB



O.D. 3.66" (93mm)
Height .91" (23mm)
18 Spline

JX-13-9HT

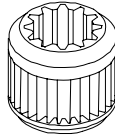
ILL. # 18 TURBINE WASHER



O.D. 2.00" (50.8mm)
I.D. 1.22" (31mm)
Thick .12" (3mm)

JW-9-11

ILL. #19 PUMP DRIVE



O.D. .63" (16mm)
Height .63" (16mm)
12 Int. Spline

JX-22-100

JATCO F3A, DA-12-TT

Mazda 323, Mercury Tracer, Laser

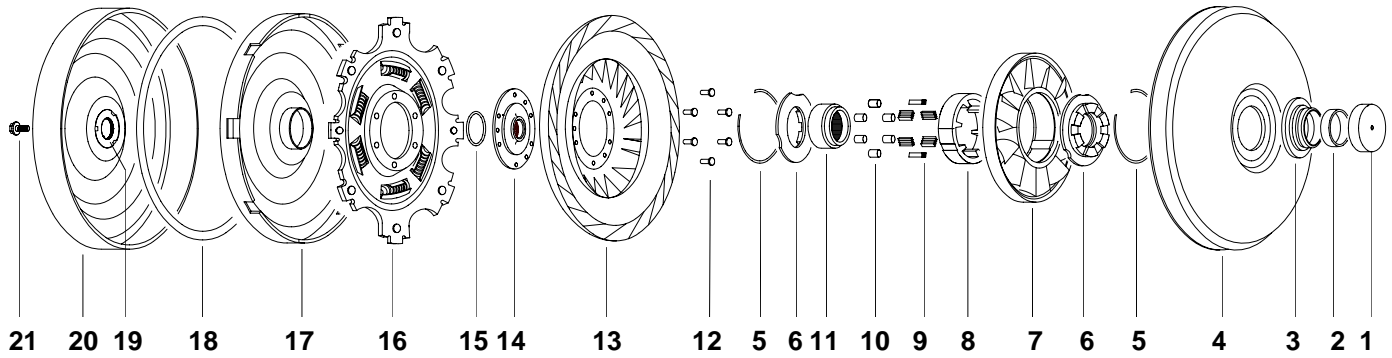
▶ DACCO # DA-12-TT

▶ ATC DA12

▶ OTHER 91-3

ILL.#	DESCRIPTION		QTY.	PART #
1	Hubcap®	Purple™, 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	Plastic, 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. × 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	8	FX-12L
17	Piston, Lock-Up			
	Brake Shoe	With Lining		JX-23-211R
18	Washer, Turbine	Metal, Replaces Plastic		JW-9-11
19	Insert, Spline	Oil Pump Drive, 12 Spline		JX-22-100
20	Cover, Front			
21	Bolt			

JATCO RL3F01A DA-6, RL4F02A DA-13



ILL. # 3 IMPELLER HUBS	
1.886" (47.9mm) DIA.	1.809" (45.9mm) DIA.
<p>JH-1-7GRC</p>	<p>JH-1-9GRC JH-1-22GRC</p>
<p>Suffix Code: No Suffix - Unfinished, "G" - Finish Ground, "RC" - Hardness Rc 32-36</p>	

N.I. BEARING
<p>O.D. 2.90" (73.7mm) I.D. 1.65" (41.9mm) Thick .24" (6.1mm)</p> <p>JW-2-15</p>

ILL. # 6 STATOR CAPS	
<p>O.D. 2.92" (74mm) I.D. 1.56" (39.6mm) Thick .36" (9mm)</p> <p>JW-4-4</p>	<p>O.D. 2.92" (74mm) I.D. 1.56" (39.6mm) Thick .32" (8mm)</p> <p>JW-4-18 Use w/ Bearing TW-2-4</p>

ILL. # 14 TURBINE HUB
<p>O.D. 3.55" (90mm) 18 Spline</p> <p>JX-13-7HT</p>

ILL. # 19 RETAINER & WASHER	
<p>O.D. 2.75" (69.9mm) I.D. 1.60" (40.6mm) Thick .04" (1mm)</p> <p>JX-22-2</p>	<p>O.D. 1.60" (40.6mm) I.D. .87" (22.1mm) Thick .15" (3.8mm)</p> <p>JW-9-6</p>

N. I. SPLINE INSERT
<p>O.D. .63" (16mm) Height .63" (16mm) 6 Int. Spline</p> <p>JX-22-101</p>

RL3F01A DA-6, RL4F02A DA-13

▶ DACCO # DA-6, DA-13

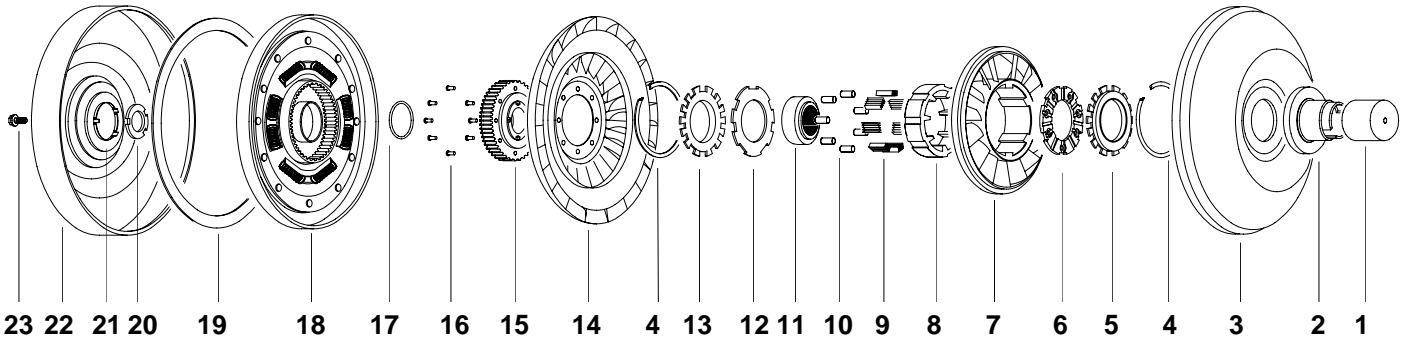
▶ ATC DA6, DA13

▶ OTHER 83-2, 93-2

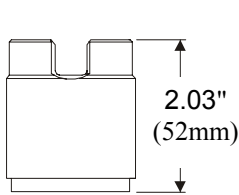
ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap®		Blue™, For 1-3/4" Dia. Hubs, DA-13
			Yellow™, For DA-6
2	Bushing		JB-18-2
3	Hub, Impeller		DA-6, 1.809" Dia.
			DA-13, 1.886" Dia.
			Flanged, DA-13, 1.810" Dia.
4	Impeller		
5	Ring, Snap	2	
N.I.	Bearing	2	JW-2-15
6	Cap, Stator		Aluminum Replaces Plastic, DA-6
			Use With JW-2-15 Bearing, DA-13
			Use With TW-2-4 Bearing, DA-13
7	Stator		
8	Cam		
9	Spring, Accordion	6	TS-6
10	Roller	6	JR-7-2
11	Race, Inner		JX-14-5
12	Rivet	6	JX-12
13	Turbine		
14	Turbine Hub		3.80" O.D., 18 Spline
			18 Spline
15	O-Ring		Fluorocarbon, 32mm I.D., 2mm Thick
			Oversized, 1.327" I.D., 0.088" Thick
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
			Ring, Floating 9-3/4" O.D., 7-17/32" I.D., .070" Thick
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
19	Retainer		JX-22-2
			Washer, Turbine
N. I.	Insert, Spline		JX-22-101
20	Cover, Front		
21	Bolt	3	

JATCO RE4R01A, DA-18, DA-48

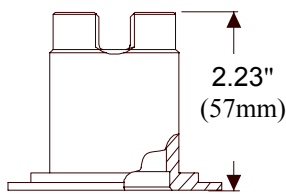
Pathfinder, Altima MPV



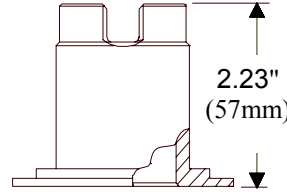
ILL. #2 IMPELLER HUBS, 1.809" (45.9mm) DIA.



JH-1-16GRC



JH-1-23GRC

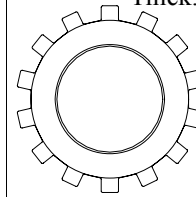


JH-1-24GRC

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

ILL. #5 BEARING

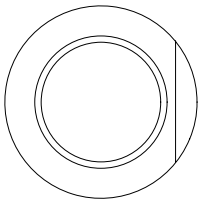
O.D. 3.37" (86mm)
I.D. 2.05" (52mm)
Thick. .24" (6.1mm)



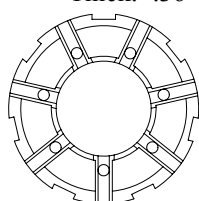
JW-2-2

ILL. #6 BEARING & BEARING ADAPTERS

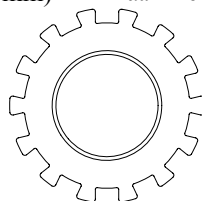
O.D. 2.82" (71.6mm)	O.D. 3.38" (86mm)	O.D. 3.38" (86mm)
I.D. 1.90" (48.3mm)	I.D. 1.69" (43mm)	I.D. 1.70" (43mm)
Thick. .18" (4.6mm)	Thick. .36" (9mm)	Mat. Thick. .08" (2mm)



TW-2-4



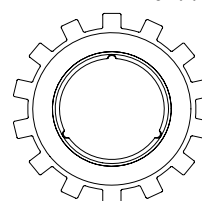
JW-4-24



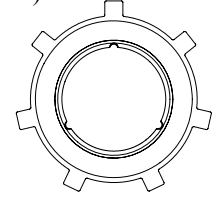
JW-4-11 Steel

ILL. #13 BEARINGS

O.D. 3.37" (86mm)
I.D. 1.65" (42mm)
Thick. .28" (7mm)



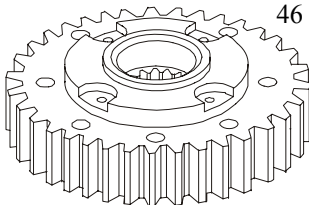
JW-2-14



JW-2-16

ILL. #15 TURBINE HUB

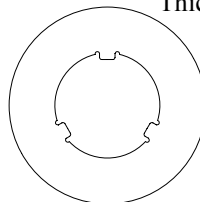
O.D. 3.72" (94.5mm)
20 Int. Spline
46 Ext. Spline



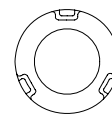
JX-13-10HT

ILL. # 21, 20 RETAINER & WASHER

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" (3mm)



JX-22-3



JW-9-5

JATCO RE4R01A, DA-18, DA-48

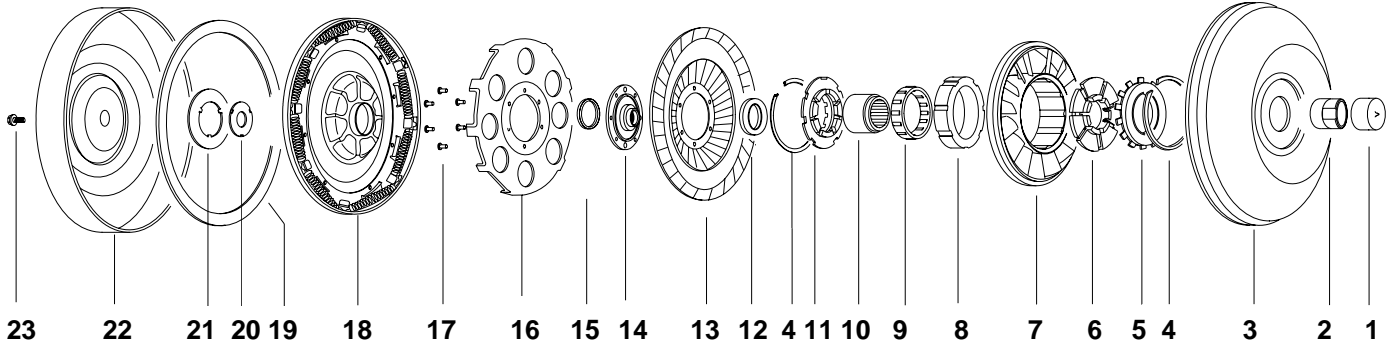
Pathfinder, Altima MPV

▶ 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
	38mm I.D. x 2.6mm, Oversized		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-23-22
	<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>		
20	Washer, Turbine Metal, Replaces Plastic		JW-9-5
21	Retainer Steel		JX-22-3
22	Cover, Front		
23	Bolt	4	

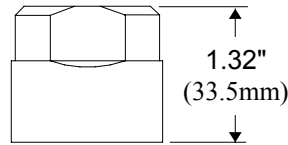
JATCO JF403, DA-20

Isuzu Impulse



ILL. #2

IMPELLER HUBS, 1.651" (41.9mm) DIA.

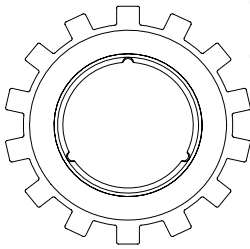


JH-1-35GRC

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

ILL. #5

BEARING

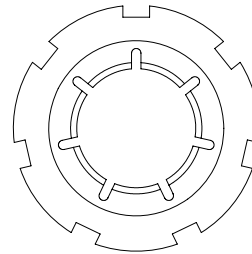


O.D. 3.53" (89.7mm)
I.D. 2.05" (52.1mm)
Thick. .24" (6.1mm)

JW-2-19

ILL. #11

STATOR CAP

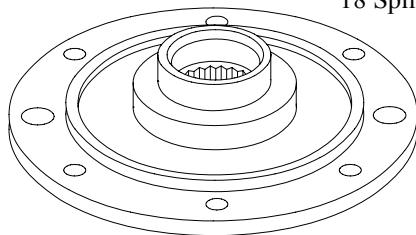


O.D. 3.54" (89.9mm)
I.D. 1.61" (40.9mm)
Thick. .22" (5.6mm)

JW-4-32

ILL #14

TURBINE HUB

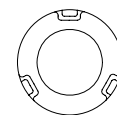
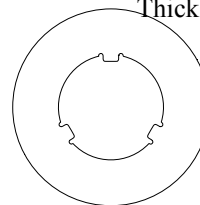


O.D. 3.70" (94mm)
18 Spline

JX-13-31HT

ILL. #20&21

RETAINER & WASHER



O.D. 2.75" (70mm) O.D. 1.46" (37mm)
I.D. .47" (37mm) I.D. .87" (22mm)
Thick. .04" (1mm) Thick. .12" (3mm)

JX-22-3

JW-9-5

JATCO JF403, DA-20

Isuzu Impulse

▶ DACCO # DA-20

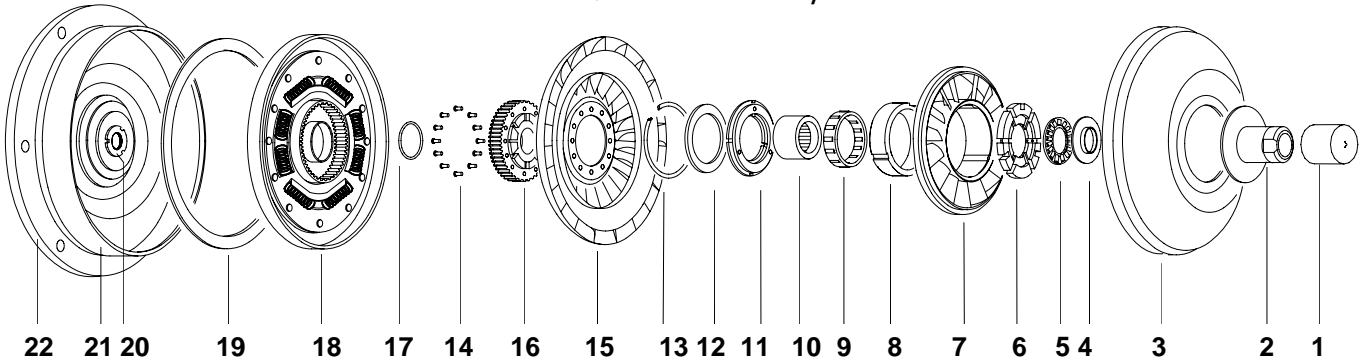
▶ ATC DA20

▶ 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 32mm × 2mm, Black Oversized, 1.327" I.D. x 0.088" Thick		JO-25-1 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-23-6
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
20	Retainer Steel		JX-22-3
21	Washer, Turbine Metal, Replaces Plastic		JW-9-5
22	Cover, Front		
23	Bolt		

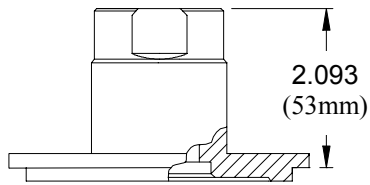
JATCO RG4R01A, DA-25

Isuzu, Jatco 4 Speed

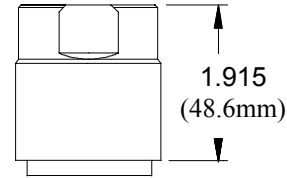


ILL. #2

IMPELLER HUBS, 1.809" (45.9mm) DIA.



JH-1-27GRC

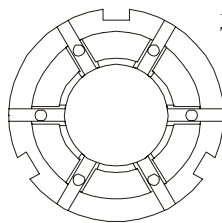


JH-1-37GRC

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

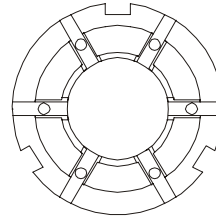
ILL. #6, 11

BEARING ADAPTERS



JW-4-21

O.D. 3.52" (89.4mm)
I.D. 1.70" (43.2mm)
Thick. .61" (15.5mm)

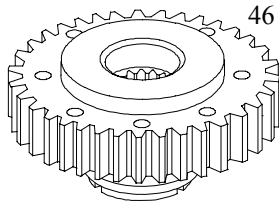


JW-4-22

O.D. 3.52" (89.4mm)
I.D. 1.70" (43.2mm)
Thick. .58" (14.7mm)

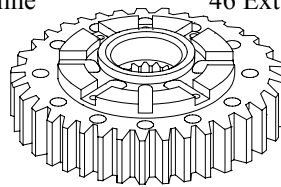
ILL. #16

TURBINE HUBS



JX-13-26HT

O.D. 3.72" (94.5mm)
Height 1.67" (42.4mm)
24 Int. Spline
46 Ext. Spline

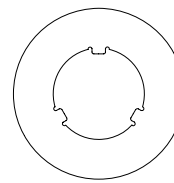


JX-13-35HT

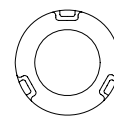
O.D. 3.72" (94.5mm)
Height 1.57" (39.9mm)
24 Int. Spline
46 Ext. Spline

ILL. #20

RETAINER & WASHER



JX-22-3



JW-9-5

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

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

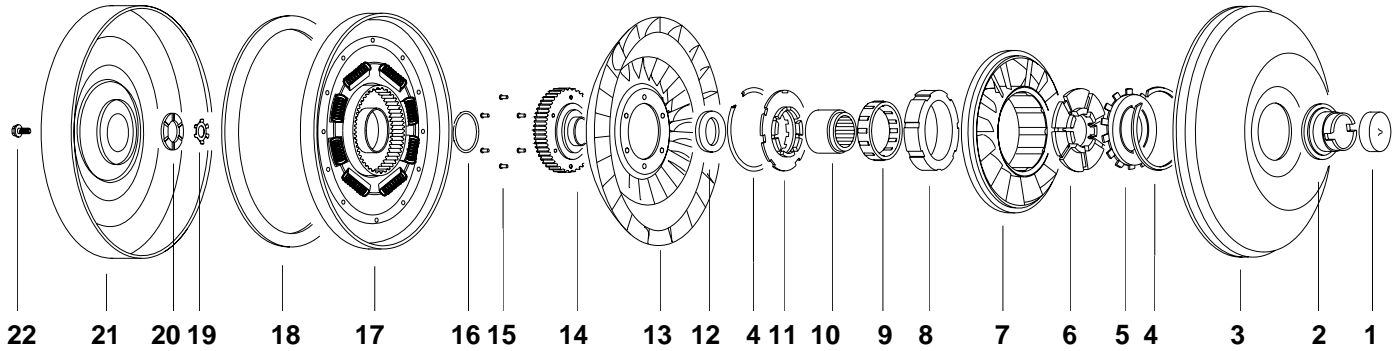
JATCO RG4R01A, DA-25

Isuzu, Jatco 4 Speed

▶ DACCO #	DA-25
▶ ATC	DA25
▶ OTHER	62-25

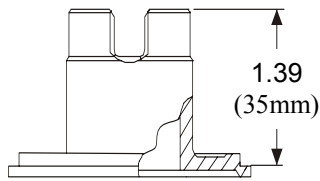
ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Blue™, For 1-3/4" Dia. Hubs		MHC-BU
2	Hub, Impeller Flanged, Heat Treated		JH-1-27GRC
	Batt style, Heat Treated		JH-1-37GRC
3	Impeller		
4	Race, Bearing		
5	Bearing Partially Enclosed, Use JW-4-21 & TW-2-4		
6	Cap, Stator Aluminum		
	Bearing Adapter Use TW-2-4 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
	38mm I.D. x 2.6mm, Oversized		JO-25-4
18	Lockup Clutch		JX-23-28
19	Lining 10-3/4" O.D., 9-1/2" I.D., .045" Thick		JX-23-23
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
20	Retainer Steel		JX-22-3
	Washer, Turbine Metal, Replaces Plastic		JW-9-5
21	Cover, Front		
22	Plate, Mounting Allows Conversion from Other Models		

JATCO RL4F03A, DA-28

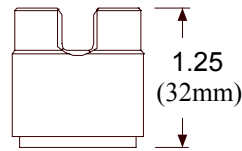


ILL. #2

IMPELLER HUB, 1.651" (41.9mm) DIA.



JH-1-25GRC



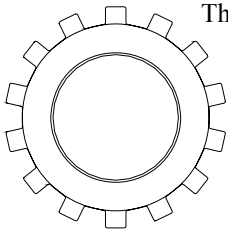
JH-1-29GRC

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

ILL. #5

BEARING

O.D. 3.37" (85.6mm)
I.D. 2.05" (52mm)
Thick. .24" (6.1mm)

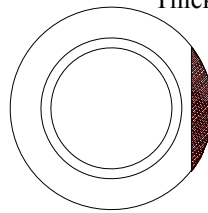


JW-2-2

ILL. #6

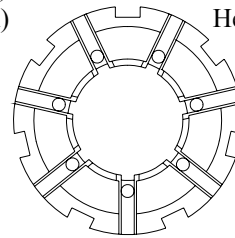
BEARING & STATOR CAP

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)

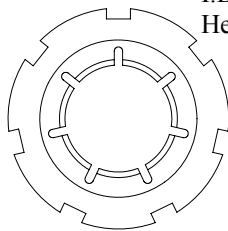


JW-4-15

ILL. #11

STATOR CAP

O.D. 3.54" (90mm)
I.D. 1.61" (40.9mm)
Height .22" (5.6mm)

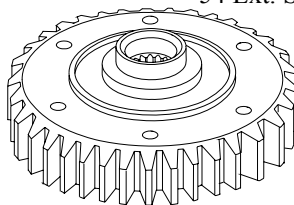


JW-4-32

ILL. #14

TURBINE HUB

O.D. 4.40" (112mm)
18 Int. Spline
54 Ext. Spline

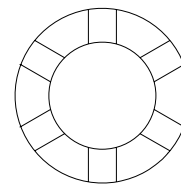


JX-13-30HT

ILL. #20

WASHER

O.D. 1.50" (38mm)
I.D. .91" (23mm)
Height .16" (4.1mm)



JW-9-12

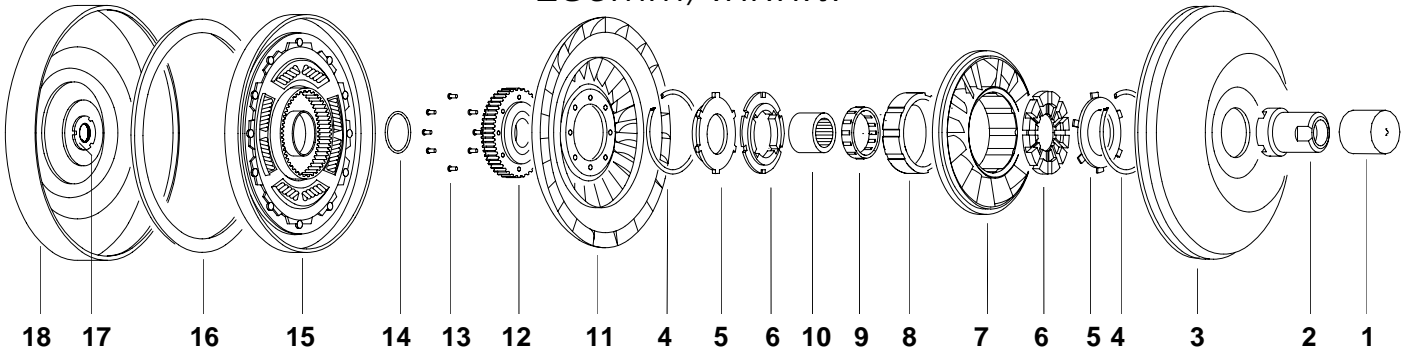
JATCO RL4F03A, DA-28

▶ 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			
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	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-23-6
	<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
19	Retainer			
20	Washer, Turbine	Bronze		JW-9-12
21	Cover, Front			
22	Bolt			

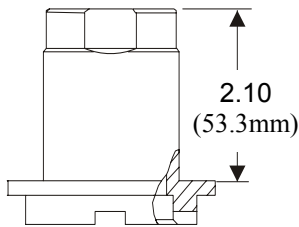
JATCO RE4R03A, DA-30

280mm, Infiniti

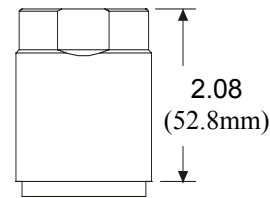


ILL. #2

IMPELLER HUB, 1.809" (45.9mm) DIA.



JH-1-14GRC

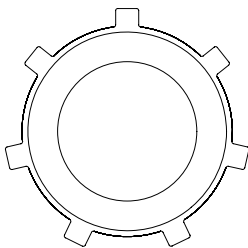


JH-1-13GRC

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

ILL. #5

BEARING

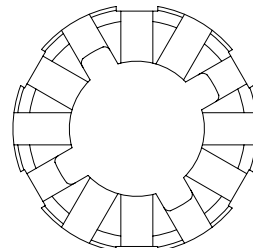


JW-2-17

O.D. 3.18" (80.8mm)
I.D. 1.60" (40.6mm)
Thick. .32" (8.13mm)

ILL. #6

STATOR CAP

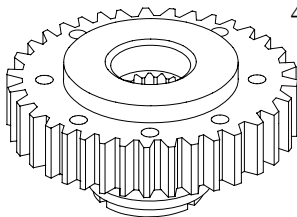


JW-4-33

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

ILL. #12

TURBINE HUB

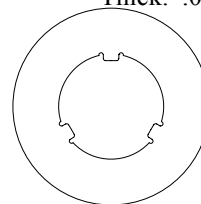


JX-13-26HT

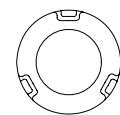
O.D. 3.72" (94.5mm)
24 Int. Spline
46 Ext. Spline

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

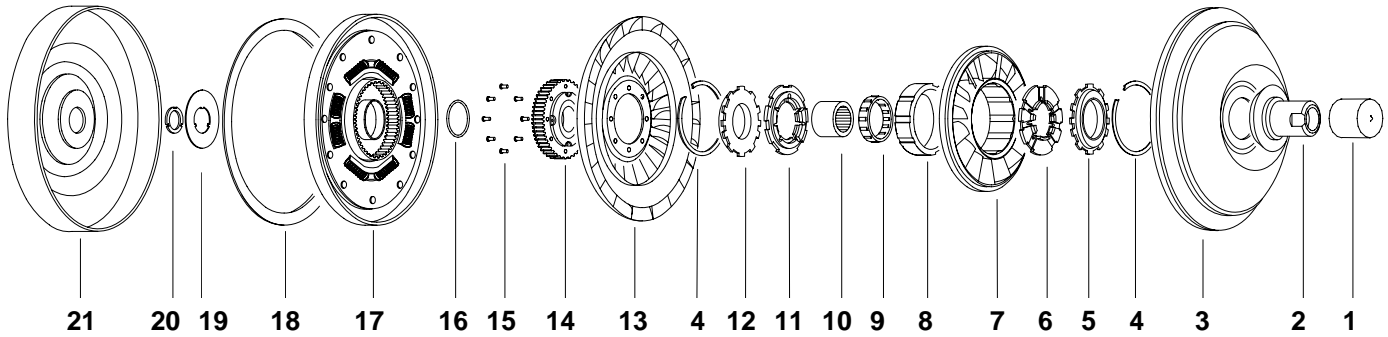
280mm, Infiniti

▶ 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 Flanged, Heat Treated		JH-1-13GRC 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 38mm I.D. x 2.6mm Wide, Oversized		JO-25-2 JO-25-4
15	Lockup Clutch		JX-23-29
16	Lining 10-3/4" O.D., 9-1/2" I.D., .045" Thick		JX-23-23
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
17	Retainer Steel		JX-22-3
	Washer, Turbine Metal, Replaces Plastic		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)	O.D. 3.38" (85.9mm) I.D. 1.61" (40.9mm) Thick. .35" (8.9mm)	O.D. 3.38" (85.9mm) I.D. 1.61" (40.9mm) Thick. .25" (6.4mm)
--	---	---

JW-4-17
Use w/ Bearing **TW-2-4**

JW-4-25
Use w/ Bearing **JW-2-2**

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 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)	O.D. 1.46" (37mm) I.D. .87" (22mm) Thick. .12" (3mm)
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JX-22-3 JW-9-5

JATCO RE4R03A, DA-31

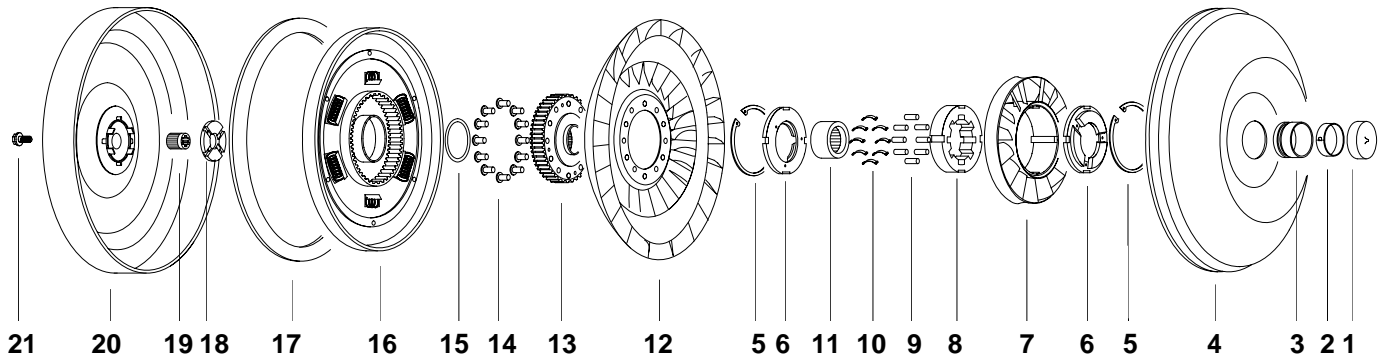
250mm

▶ 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
		38mm I.D. x 2.6mm Wide, Oversized		JO-25-4
17	Lockup Clutch			JX-23-28
18	Lining	9-1/4" x 10-9/16" x .045" Thick		TX-22X
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
19	Retainer	Steel		JX-22-3
20	Washer, Turbine	Metal, Replaces Plastic		JW-9-5
21	Cover, Front			

JATCO RE4R03A, DA-31, 250MM

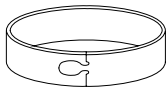
JATCO NISSAN MICRA, DA-35



ILL. #2

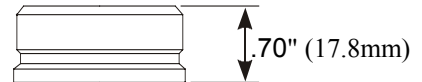
BUSHING

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.



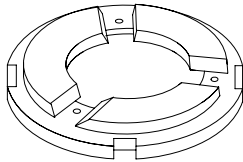
JH-1-7GRC

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

ILL. #6

STATOR CAP

O.D. 2.84" (72mm)
I.D. 1.34" (34mm)
Thick .25" (6.4mm)

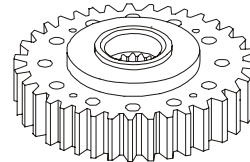


JW-4-39

ILL. #13

TURBINE HUB

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

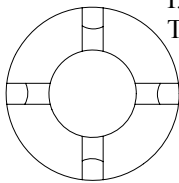


JX-13-15HT

ILL. #18

TURBINE WASHER

O.D. 1.97" (50mm)
I.D. 1.00" (25.4mm)
Thick .23" (5.8mm)

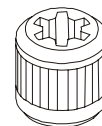


JW-9-13

ILL. #19

SPLINE INSERT

O.D. .63" (16mm)
Height .63" (16mm)



JX-22-101

JATCO NISSAN MICRA, DA-35

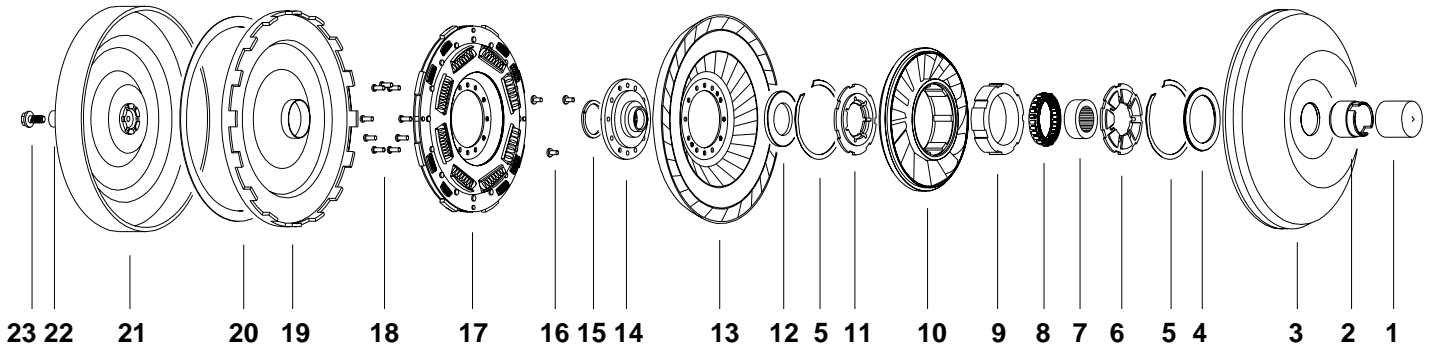
▶ DACCO # DA-35

▶ ATC DA44

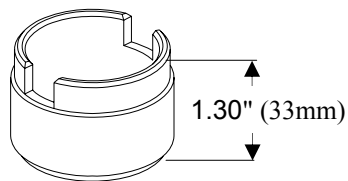
▶ OTHER 83-5

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-23-24
	<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
18	Washer, Turbine			JW-9-13
19	Insert, Spline	Oil Pump Drive, 6 Spline		JX-22-101
20	Cover, Front			
21	Bolt			

JATCO RE4F04 A/V, DA-39



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



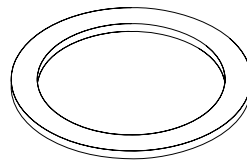
JH-1-15G

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

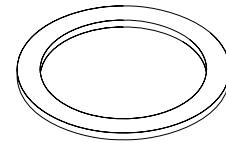
ILL. # 4,12

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)



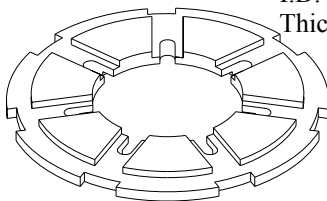
JW-2-26



JW-2-27

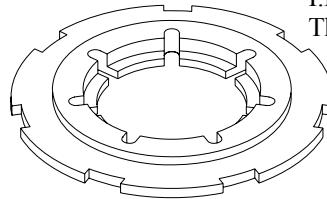
ILL. # 6,11

STATOR CAPS



JW-4-44

O.D. 3.38" (85.9mm)
I.D. 1.57" (39.9mm)
Thick. .28" (7.1mm)

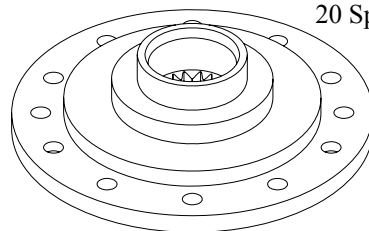


JW-4-43

O.D. 3.38" (85.9mm)
I.D. 1.57" (39.9mm)
Thick. .28" (7.1mm)

ILL. #14

TURBINE HUB



JX-13-47HT

O.D. 3.86" (98mm)
20 Spline

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-23-32
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
21	Cover, Front			
22	Mounting Boss	M10 x 1.25	4	
23	Bolt	Hex Head M10 x 1.25	4	

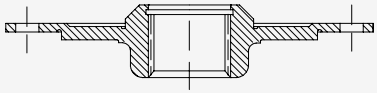
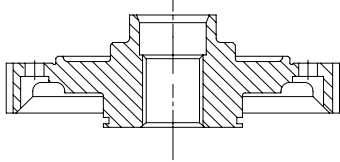
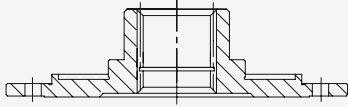
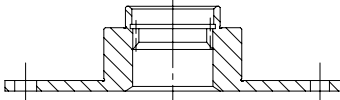
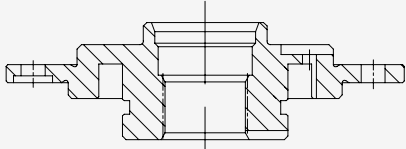
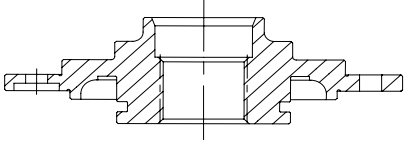
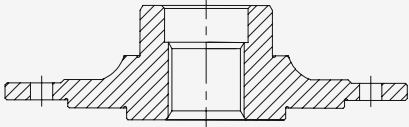
JATCO RE5R05A DA-65

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	O.D. 6.46" / 164.2mm I.D. 5.15" / 130.7mm Thick. .071" / 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

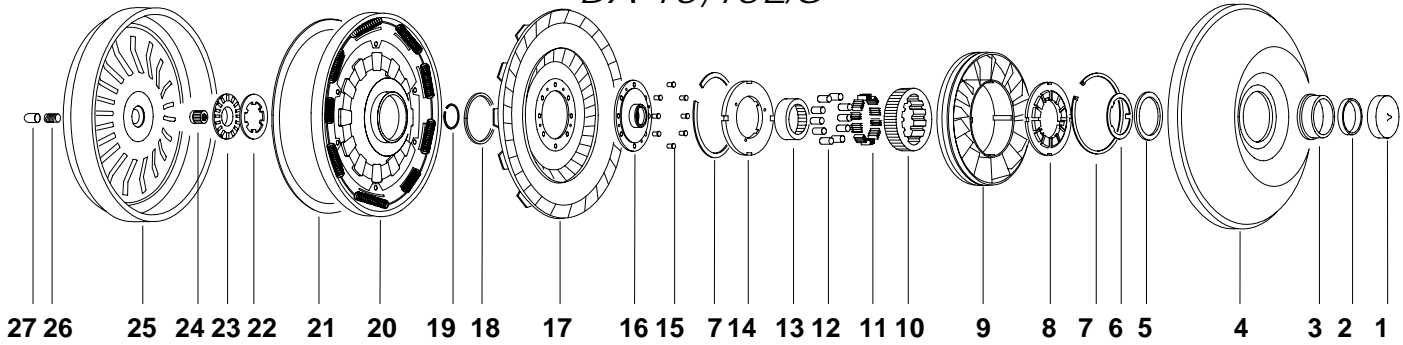
Items not yet in stock are in production planning.
Your Tri Component representative will advise
availability as per your requirements. Your suggestions
for additional items will be directed to engineering.


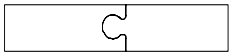


JATCO, Parts Not Cataloged Elsewhere

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 G4A, FORD 4EAT

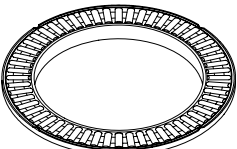
DA-15, 15L/S



ILL #2, 3 BUSHINGS & IMPELLER HUBS	
DA-15	DA-15L/S
 <p>JB-18-7</p> <p>O.D. 2.40" (61mm) I.D. 2.25" (57mm) Height .46" (12mm)</p>	 <p>O.D. 2.24" (57mm) I.D. 2.09" (53mm) Height .47" (12mm)</p>
 <p>JH-1-10GRC</p> <p>O.D. 2.673" (68mm) O.D. Fl. 2.75" (70mm) I.D. 2.40" (61mm) Height .56" (14mm)</p>	 <p>JB-18-8B, Bronze</p> <p>O.D. 2.670" (68mm) O.D. Fl. 3.54" (90mm) I.D. 2.24" (57mm) Height .79" (20mm)</p>
<p>JH-1-20FLGRC</p>	
<p>Suffix Code: No Suffix Unfinished, "G"-Finish Ground, "GRC"- Hardness Rc 32-36</p>	

ILL # 5 BEARING

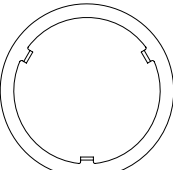
O.D. 3.22" (82mm)
I.D. 2.38" (60mm)
Thick. .11" (2.8mm)



JW-2-13

ILL #6 RACE

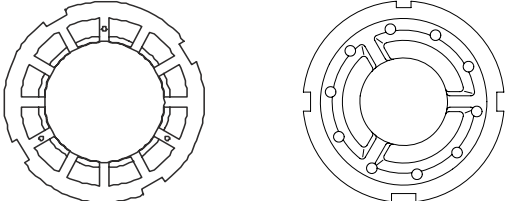
O.D. 3.00" (76mm)
I.D. 2.53" (64mm)
Thick. .08" (2.0mm)
Steel



JW-2-7

ILL #8, 14 BEARING ADAPTER, STATOR CAP

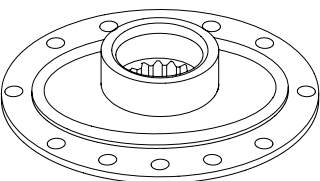
O.D. 3.80" (97mm) I.D. 2.28" (58mm) Thick. .34" (8.6mm)	O.D. 3.81" (97mm) I.D. 1.66" (42mm) Thick. .27" (6.9mm)
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JW-4-9 **JW-4-14**

ILL #16 TURBINE HUB

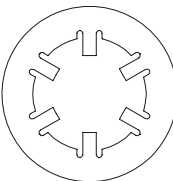
O.D. 4.09" (104mm)
25 Spline



JX-13-11HT

ILL #22 RACE

O.D. 2.08" (53mm)
Thick. .08" (2mm)
Steel



JW-9-9

ILL #23 BEARING ASSY.

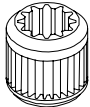
O.D. 2.27" (58mm)
I.D. .86" (22mm)



JW-9-8K

ILL #24 PUMP DRIVE

O.D. .64" (16mm)
Height .82" (21mm)
12 Spline



JX-22-102

MAZDA G4A, FORD 4EAT

DA-15, 15L/S

▶ DACCO # DA-15, DA-15L/S

▶ ATC DA15, DA15L/S

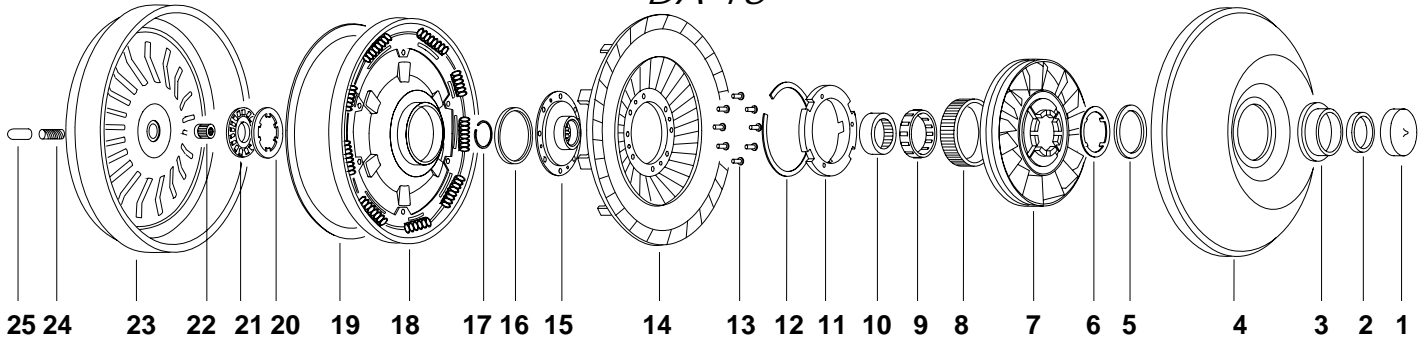
▶ OTHER 71-3, 71-1

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
3	Hub, Impeller	2.24" O.D., 2.09" I.D., .47" High, Use With JH-1-20FLGRC		JB-18-8B
		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	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
21	Lining	12 Springs, 40 Teeth, DA-15		
		9-17/32" O.D., 8-21/38" 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-23-8
		<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>		
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 G4A, FORD 4EAT DA-15, 15L/S

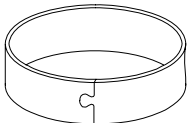
MAZDA G4A, FORD 4EAT

DA-16



ILL. #2 BUSHING

O.D. 2.24" (57mm)
I.D. 2.09" (53mm)
Height .47" (12mm)



JB-18-8B

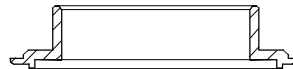
ILL. #3 IMPELLER HUBS

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)

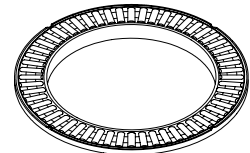


JH-1-19FLGRC

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

ILL. #5 BEARING

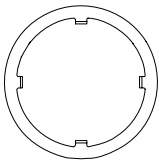
O.D. 3.22" (82mm)
I.D. 2.38" (60mm)
Thick. .11" (3mm)



JW-2-13

ILL. #6 STEEL RACE

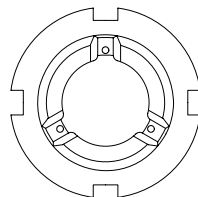
O.D. 3.00" (76mm)
I.D. 2.53" (64mm)
Mat. Thick. .08" (2mm)



JW-2-10

ILL. #11 STATOR CAP

O.D. 3.97" (101mm)
I.D. 2.00" (50.8mm)

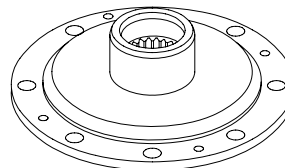


JW-4-13, Thick .30"

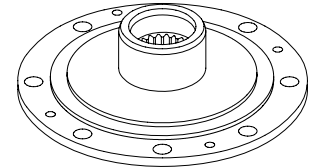
JW-4-28, Thick .24"

ILL. #15 TURBINE HUBS

O.D. 4.09" (104mm)
21 Spline



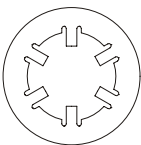
JX-13-29HT



JX-13-42HT

ILL. #20 STEEL RACE

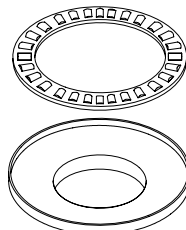
O.D. 2.08" (52.8mm)
Thick. .08" (2mm)
27 Spline



JW-9-9

ILL. #21 BEARING ASSEMBLY

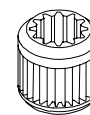
O.D. 2.27" (57.7mm)
I.D. .86"



JW-9-8K

ILL. #22 PUMP DRIVE

O.D. .64" (16.3mm)
Height .82" (.82mm)
12 Spline



JX-22-102

MAZDA G4A, FORD 4EAT

DA-16

▷ DACCO # DA-16

▷ ATC EM65

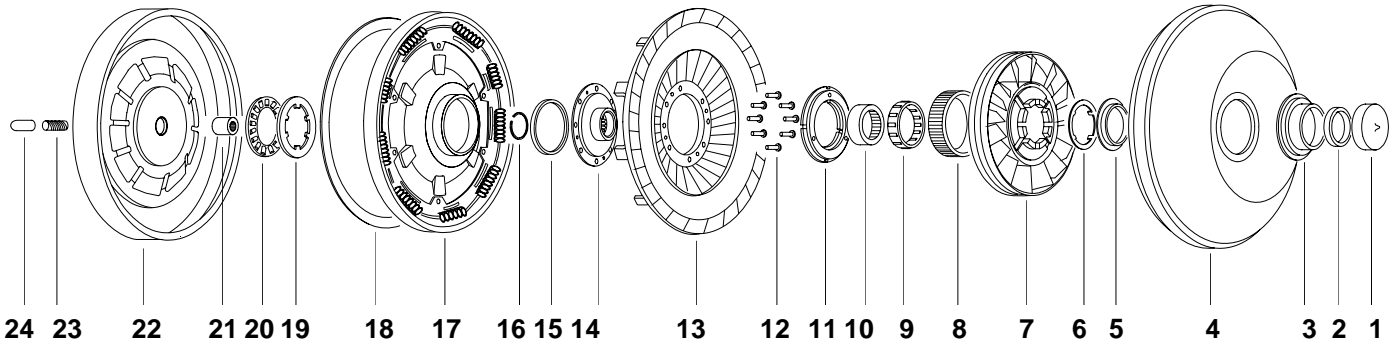
▷ OTHER 71-4

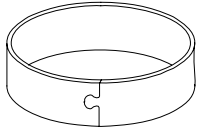




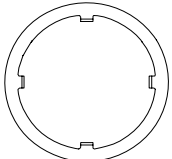


ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Orange™, For 2.67" Dia. Hubs		MHC-RN
2	Bushing, Hub 2.09" I.D., Standard, Bronze Replaces Babbit 2.08" I.D., Bore In Place, Bronze Replaces Babbit		JB-18-8B JB-18-8BX
3	Hub, Impeller Standard, 2.67" O.D., 2.24" I.D., .56" High Use With JW-2-13 Bearing Flanged, 2.67" O.D., 2.24" I.D., .75" Installed Height 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 Hub		JW-4-13 *JW-4-28
12	Ring, Snap		
13	Rivet .385" Long, .214" Shank Dia.	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 9-17/32" O.D., 8-21/32" I.D. x .045" Thick 9-17/32" O.D., 8-21/32" 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 <i>Add Suffix "K" For Kevlar®, "C" For Carbon</i>		JX-23-15 JX-23-15X70 NX-23-2 NX-23-2X70
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
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

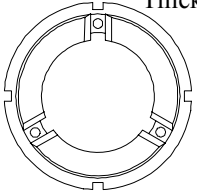
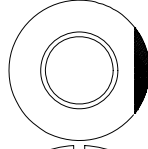
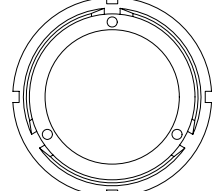
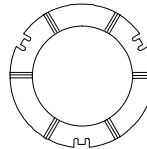
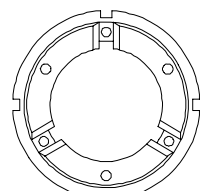
* Note: JW-4-28 Bearing Adapter
35400C Bearing
JX-13-42 Turbine Hub
} Kit JX-13-42K

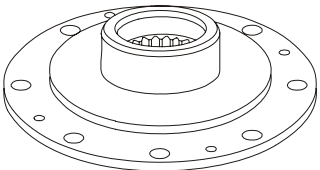
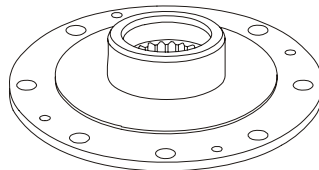
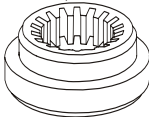
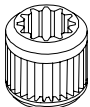
MAZDA G4A-HL

DA-17



ILL. #2 BUSHING	ILL. #3 IMPELLER HUBS		ILL. #6 STEEL RACE				
<p>O.D. 2.24" (57mm) I.D. 2.09" (53mm) Height .47" (12mm)</p>  <p>JB-18-8B</p>	<table border="0"> <tr> <td data-bbox="430 651 722 1024"> <p>O.D. 2.673" (67.9mm) O.D. Fl. 2.75" (70mm) I.D. 2.24" (57mm) Height .56" (14mm)</p>  <p>JH-1-12GRC</p> </td> <td data-bbox="722 651 1063 1024"> <p>O.D. 2.670" (67.8mm) O.D. Fl. 3.85" (97.8mm) I.D. 2.24" (57mm) Height .92" (23.4mm)</p>  <p>JH-1-19FLGRC</p> </td> </tr> <tr> <td colspan="2" data-bbox="430 955 1063 1024"> <p>Suffix Code: No Suffix Unfinished, "G"-Finish Ground, "GRC"- Hardness Rc 32-36</p> </td> </tr> </table>		<p>O.D. 2.673" (67.9mm) O.D. Fl. 2.75" (70mm) I.D. 2.24" (57mm) Height .56" (14mm)</p>  <p>JH-1-12GRC</p>	<p>O.D. 2.670" (67.8mm) O.D. Fl. 3.85" (97.8mm) I.D. 2.24" (57mm) Height .92" (23.4mm)</p>  <p>JH-1-19FLGRC</p>	<p>Suffix Code: No Suffix Unfinished, "G"-Finish Ground, "GRC"- Hardness Rc 32-36</p>		<p>O.D. 3.00" (76mm) I.D. 2.53" (64mm) Mat. Thick. .08" (2mm)</p>  <p>JW-2-10</p>
<p>O.D. 2.673" (67.9mm) O.D. Fl. 2.75" (70mm) I.D. 2.24" (57mm) Height .56" (14mm)</p>  <p>JH-1-12GRC</p>	<p>O.D. 2.670" (67.8mm) O.D. Fl. 3.85" (97.8mm) I.D. 2.24" (57mm) Height .92" (23.4mm)</p>  <p>JH-1-19FLGRC</p>						
<p>Suffix Code: No Suffix Unfinished, "G"-Finish Ground, "GRC"- Hardness Rc 32-36</p>							

ILL. #11 BRONZE WASHER, STATOR CAP WITH BEARING OR WASHER			
<p>O.D. 3.36" (85mm) I.D. 2.02" (51mm) Thick. .30" (7.6mm)</p>  <p>JW-4-12B</p>	 <p>TW-2-4</p> <p>O.D. 2.82" (71.6mm) I.D. 1.90" (48.3mm) Thick. .18" (4.6mm)</p>  <p>JW-4-20</p> <p>O.D. 3.36" (85.3mm) I.D. 2.27" (57.7mm) Thick. .30" (7.6mm)</p>	 <p>JW-3</p> <p>O.D. 2.81" (71.4mm) I.D. 1.99" (50.5mm) Thick. .08" (2.0mm)</p>  <p>JW-4-19</p> <p>O.D. 3.36" (85mm) I.D. 2.02" (51mm) Thick. .30" (7.6mm)</p>	

ILL #14 TURBINE HUBS		INSERT SPLINE	ILL. #21 PUMP DRIVE
<p>O.D. 3.86" (98mm) 21 Spline</p>  <p>JX-13-12HT</p>	<p>O.D. 3.86" (98mm) 21 Spline</p>  <p>JX-13-36HT</p>	<p>O.D. 1.38" (35mm) Height 1.14" (29mm) 21 Spline</p>  <p>JX-13-21</p>	<p>O.D. .64" (16.3mm) Height .82" (20.8mm) 12 Spline</p>  <p>JX-22-102</p>

MAZDA G4A-HL

▷ DACCO # DA-17

▷ ATC DA17

▷ OTHER 71-5

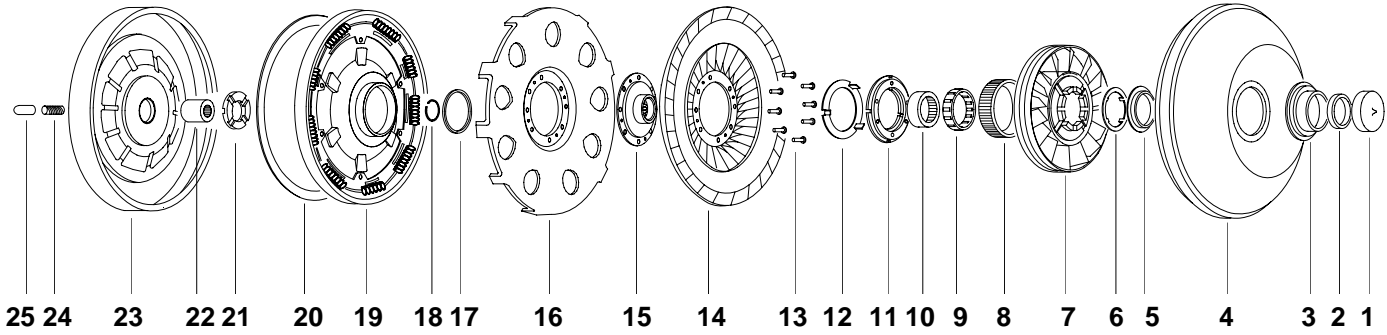
DA-17

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Orange™, For 2.67" Dia. Hubs		MHC-RN
2	Bushing, Hub 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 Standard, 2.67" O.D., 2.24" I.D., .56" High Use With JW-2-13 Bearing 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 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. Bearing Adapter For TW-2-4 Bearing (Machine .065" From Turbine Hub) Aluminum, To Adapt To JW-3 Bronze Washer		JW-4-12B JW-4-20 JW-4-19
12	Rivet .385" Long, .214" Shank Dia.	8	FX-12L
13	Turbine 237mm Dia.		
14	Turbine Hub 21 Spline 21 Spline (Modified For JW-4-20 Bearing Adapter)		JX-13-12HT 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 <i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>		FX-23-6
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 7-10 For Illustration of Bearings **JW-2-12** & **JW-2-13**

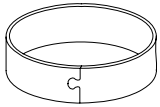
MAZDA G4A, FORD 4EAT

DA-24



ILL. #2 BUSHING

O.D. 2.24" (57mm)
I.D. 2.09" (53mm)
Height .47" (12mm)



JB-18-8B

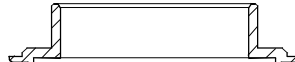
ILL. #3 IMPELLER HUBS

O.D. 2.673" (67.9mm)
O.D. Fl. 2.75" (69.9mm)
I.D. 2.24" (56.9mm)
Height .56" (14.2mm)

O.D. 2.670" (67.8mm)
O.D. Fl. 3.85" (97.8mm)
I.D. 2.24" (56.9mm)
Height .92" (23.4mm)



JH-1-12GRC

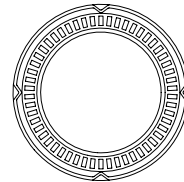


JH-1-19FLGRC

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

ILL. #5 BEARING

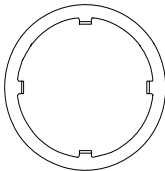
O.D. 3.22" (81.8mm)
I.D. 2.44" (62mm)
Thick. .12" (3mm)



JW-2-12

ILL. #6 RACE

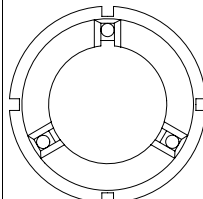
O.D. 3.00" (76mm)
I.D. 2.53" (64mm)
Mat. Thick. .08" (2mm)



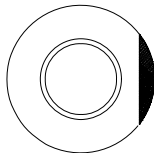
JW-2-10

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)

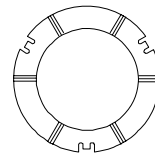


JW-4-12B



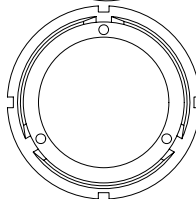
O.D. 2.82" (71.6mm)
I.D. 1.90" (48.3mm)
Thick. .18" (4.57mm)

TW-2-4



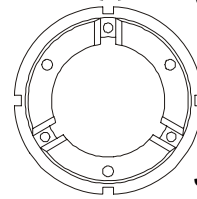
O.D. 2.81" (71.4mm)
I.D. 1.99" (50.5mm)
Thick. .08" (2mm)

JW-3



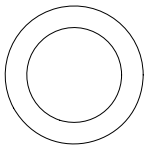
JW-4-20

O.D. 3.36" (85mm)
I.D. 2.27" (58mm)
Thick. .30" (7.6mm)



JW-4-19

N.I. RACE, BEARING



JW-2-21

O.D. 2.75" (70mm)
I.D. 2.01" (51mm)
Thick. .10" (2.5mm)

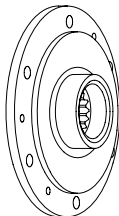


JW-2-22

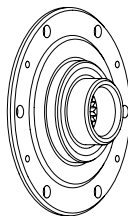
O.D. 2.63" (67mm)
I.D. 1.89" (48mm)
Thick. .11" (2.8mm)

ILL. #15 TURBINE HUBS

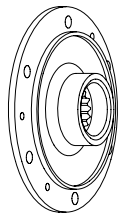
O.D. 3.86" (98mm), 21 Spline



JX-13-13HT



JX-13-41HT

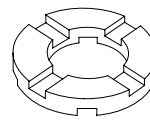


JX-13-43HT

JX-13-46HT
For DA-24 Late

ILL. #21 WASHER

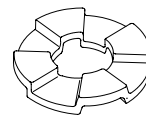
O.D. 2.25" (57mm)
I.D. 1.38" (35mm)
Thick. .25" (6mm)



JW-9-10

OE Style, Plastic

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

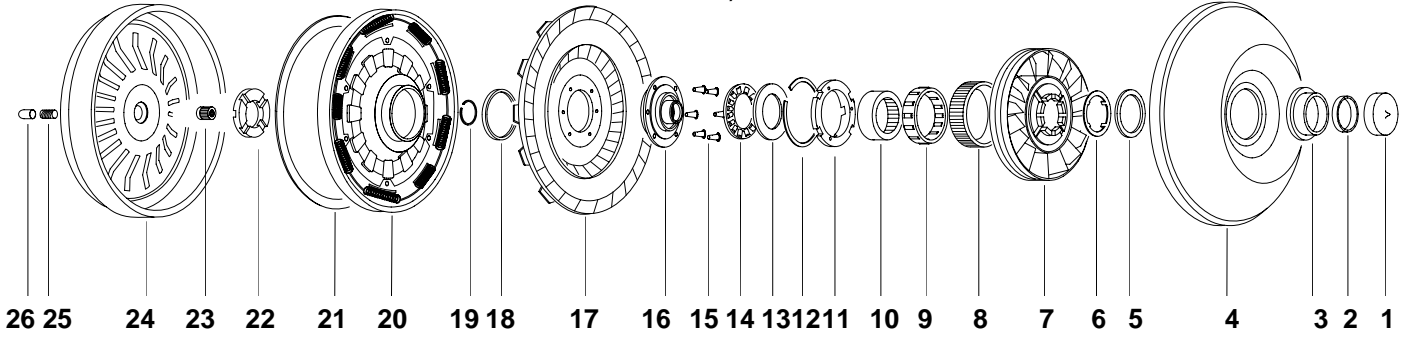
▶ OTHER 71-7

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		
	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	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-23-6
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 7-10 For Illustration Of Bearings **JW-2-12** & **JW-2-13**

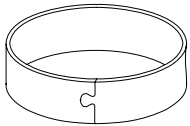
MAZDA G4A-EL, LATE

DA-29, 34



ILL. #2 BUSHING

O.D. 2.24" (56.9mm)
I.D. 2.09" (53mm)
Height .47" (12mm)

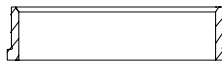


JB-18-8B

ILL. #3

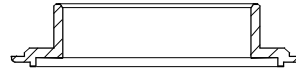
IMPELLER HUBS

O.D. 2.673" (67.9mm)
O.D. Fl. 2.75" (69.9mm)
I.D. 2.24" (56.9mm)
Height .56" (14.2mm)



JH-1-12G

O.D. 2.670" (67.8mm)
O.D. Fl. 3.85" (97.8mm)
I.D. 2.24" (56.9mm)
Height .92" (23.4mm)

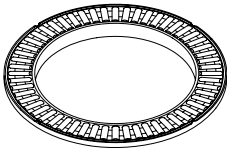


JH-1-19FLGRC

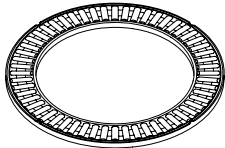
Suffix Code: No Suffix-Unfinished,
"G"- Finish Ground, "GRC"- Hardness Rc 32-36

ILL. #5, 6 BEARINGS & STEEL RACE

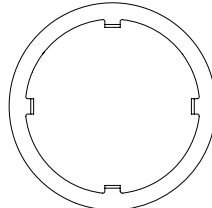
O.D. 3.22" (81.8mm)	O.D. 3.22" (81.8mm)	O.D. 3.00" (76mm)
I.D. 2.38" (60.5mm)	I.D. 2.44" (62mm)	I.D. 2.53" (64mm)
Thick. .11" (2.8mm)	Thick. .12" (3mm)	Mat. Thick. .08" (2mm)



JW-2-13



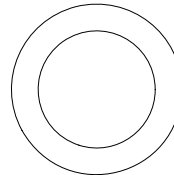
JW-2-12



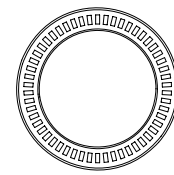
JW-2-10

ILL.#13, 14 RACE, BEARING

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)



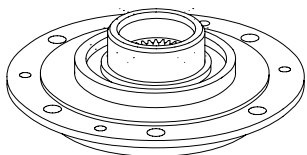
JW-2-21



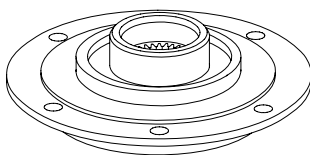
JW-2-22

ILL. #16 TURBINE HUBS

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



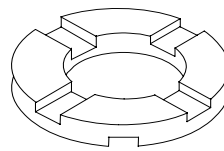
JX-13-32



JX-13-33

ILL. #22 WASHER

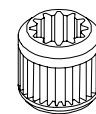
O.D. 2.25" (57mm)
I.D. 1.38" (35mm)
Thick. .25" (6.4mm)



JW-9-10

ILL. #23 PUMP DRIVE

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

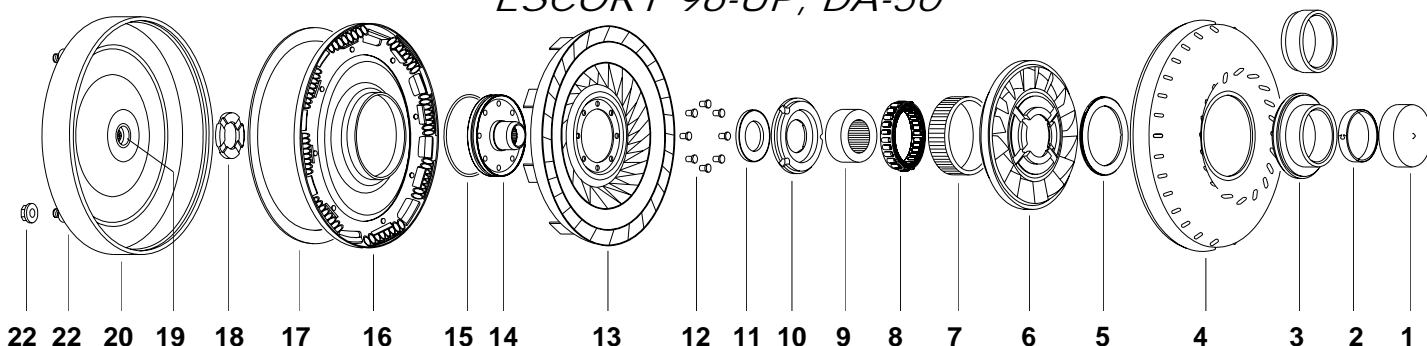
▷ ATC FM86, KM85

▷ 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 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	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	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-23-2X70
		<i>Add Suffix "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>		
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

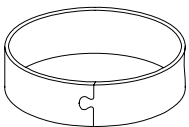
MAZDA 4EAT-F

ESCORT 96-UP, DA-50



ILL. #2 BUSHING

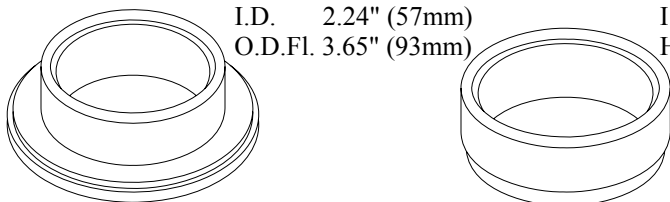
O.D. 2.24" (56.9mm)
 I.D. 2.09" (53mm)
 Height .47" (12mm)



JB-18-8B

ILL. #3 IMPELLER HUBS

O.D. 2.67" (68mm)	O.D. 2.67" (68mm)
I.D. 2.24" (57mm)	I.D. 2.24" (57mm)
O.D.Fl. 3.65" (93mm)	Height .92" (23mm)

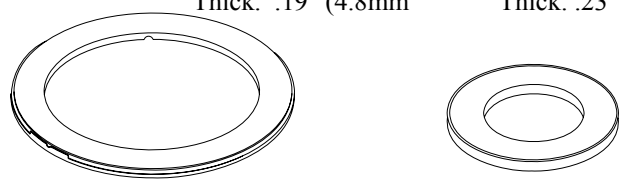


JH-1-38FLG **JH-1-39G**

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

ILL. # 5,11 BEARINGS

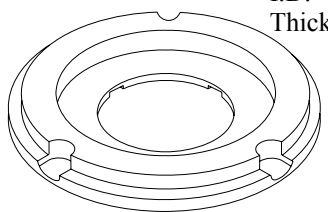
O.D. 3.33" (84.6mm)	O.D. 2.24" (56.9mm)
I.D. 2.56" (65mm)	I.D. 1.30" (58.2mm)
Thick. .19" (4.8mm)	Thick. .23" (1.5mm)



JW-2-24 **TW-2-21**

ILL. #10 STATOR CAP

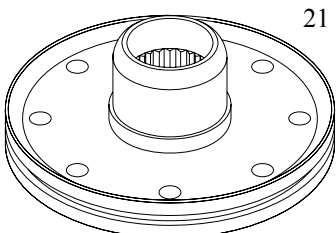
O.D. 3.23" (4.5mm)
 I.D. 1.42" (2.7mm)
 Thick. .37" (1.7mm)



JW-4-42

ILL. #14 TURBINE HUB

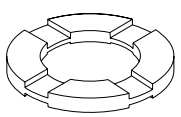
O.D. 3.48" (88.4mm)
 21 Spline



JX-13-50HT

ILL. #18 WASHER

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-23-6
		<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>		
18	Turbine Washer	Plastic, 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. 6-4		JX-22-100
20	Cover, Front			
21	Stud	M10 x1.0	4	FX-10-9
22	Nut	M10 × 1.0, .34" High	4	FX-10-17

MERCEDES

Fluid Coupling & Torque Converter Parts

ILL. # 1	IMPELLER HUBS, 1.100" (27.9mm) DIA.	1.732" (44mm) DIA.
HUBS, 1.378" DIA.		HUBS, 1.695" DIA.
HH-1E		HH-1-3C
HH-1-4C	HH-1-6C	HH-1-3G
<i>Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC" - Hardness Rc 32-36</i>		

ILL. # 3 STATOR CAP

O.D. 3.13" (79.5mm)
I.D. 1.36" (34.5mm)
Thick. .215" (5.46mm)

HW-4, 2-10

ILL. # 4 SHIM

O.D. 2.41" (61mm)
I.D. 1.70" (43mm)
Thick. .01" (.3mm)

HW-2-10

ILL. # 5, 6, 7 BEARING & RACE KIT

JW-2-5
Thick. .40" (10mm)

JW-2ND
Thick. .12" (3.05mm)

PW-2-3
Thick. .08" (2.03mm)

HW-2BK

ILL. # 8,12 TURBINE WASHERS			
<p>O.D. 2.83" (71.9mm) I.D. 1.21" (30.7mm) Thick. .08" (2.03mm)</p> <p style="text-align: center;">HW-9</p>	<p>O.D. 2.80" (71.1mm) I.D. 1.20" (30.5mm) Thick. .18" (4.57mm)</p> <p style="text-align: center;">HW-9-000</p>	<p>O.D. 2.32" (58.9mm) I.D. 1.10" (27.9mm) Thick. .18" (4.57mm)</p> <p style="text-align: center;">HW-9-123</p>	<p>O.D. 2.84" (72.1mm) I.D. 1.15" (29.2mm) Thick. .18" (4.57mm)</p> <p style="text-align: center;">HW-9-126</p>

MERCEDES

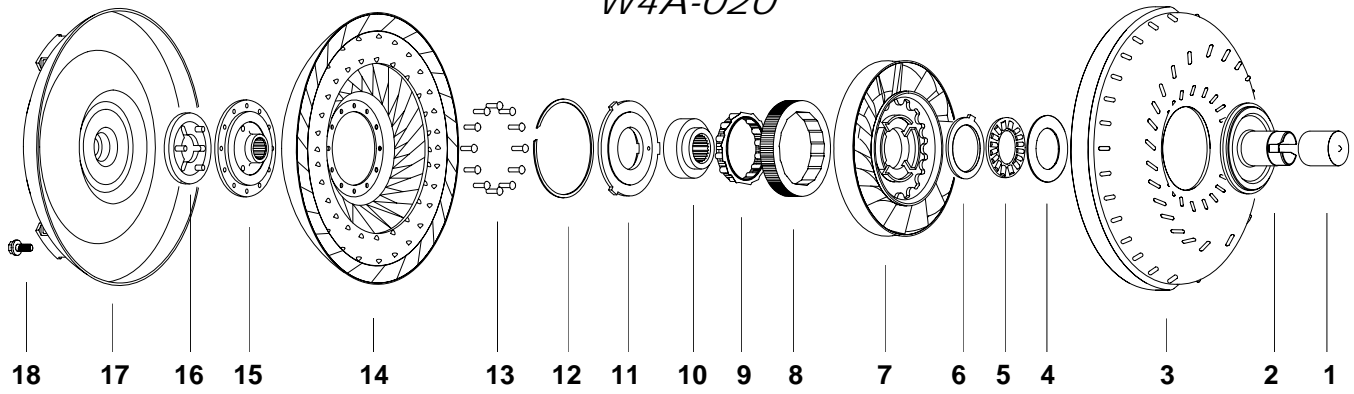
Fluid Coupling & Torque Converter Parts

ILL.#		DESCRIPTION	QTY.	PART #
1	Hub, Impeller	For Bolted Units, 1.378" Dia.		HH-1E
		1.34" Flange Dia.		HH-1L
		Fluid Coupling, 2 Lugs, Riveted, 1.100" Dia.		HH-1LC
		Fluid Coupling, 2 Slots, Riveted, 1.100" Dia.		HH-1SC
		Fluid Coupling, 2 Slots, Welded, 1.100" Dia.		HH-1SW
		Torque Converter, 2 Lugs, 1.732" Dia.		HH-1-2C
		Torque Converter, 2 Slots, 1.695" Dia.		HH-1-3C
		Torque Converter, 2 Slots, 1.695" Dia.		HH-1-3G
		Torque Converter, 2 Slots, Model 190, 1.378" Dia.		HH-1-4C
		Torque Converter, 2 Slots, 1.378" Dia.		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		HW-4
		Repair Kit for Adaptation (w/Bearing TW-9-13 and Machined 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		HW-9
		Aluminum, OE Design, First Type		HW-9-000
		Aluminum, Casting # 123-257-0152		HW-9-123
		Aluminum, Casting # 126-257-0552		HW-9-126
9	Rivet	Aluminum, Solid, .233" Shank Dia., .475" Long		HX-12A
		Aluminum, Solid, .233" Shank Dia., .710" Long		HX-12LA
		Steel, Solid, .233" Shank Dia., .475" Long		HX-12S
		Steel, Solid, .233" Shank Dia., .710" Long		HX-12LS
10	Race, Inner	2 Shoulders		HX-14
		1 Shoulder		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**

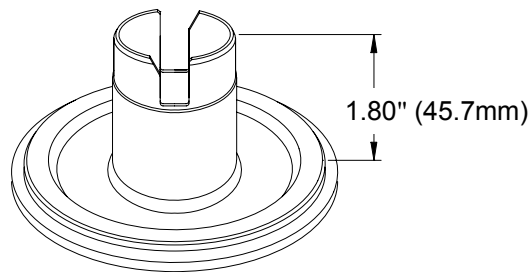
MERCEDES 722.4, MC-15

W4A-020



ILL. #2

IMPELLER HUB, 1.378" (35.0mm) DIA.



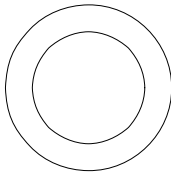
HH-1-6C

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

ILL. # 4,5,6

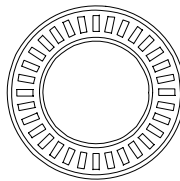
BEARING AND RACES

O.D. 2.35" (60mm)
I.D. 1.58" (40mm)
Thick. .04" (1mm)



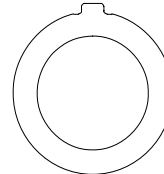
JW-2-5T

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)

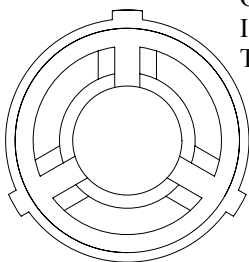


PW-2-3

ILL. #11

STATOR CAP

O.D. 3.80" (96.5mm)
I.D. 1.70" (43.2mm)
Thick. .35" (8.9mm)

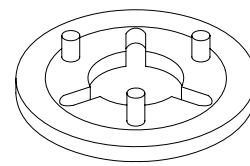


HW-4-1

ILL. #16

THRUST WASHER

O.D. 2.84" (72mm)
I.D. 1.14" (30mm)



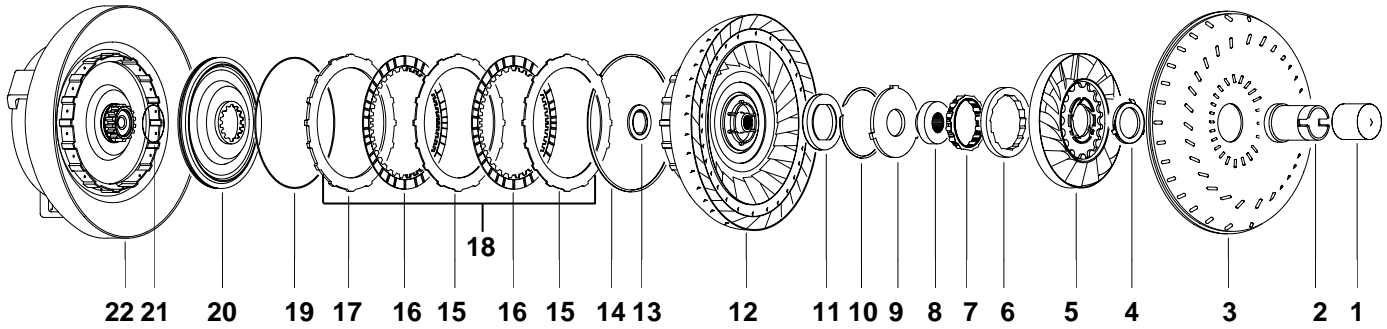
HW-9-126

MERCEDES 722.4, 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)	O.D. 2.98" (75.7mm) I.D. 2.16" (54.9mm) Thick. .19" (4.83mm)	O.D. 2.02" (51.3mm) I.D. 1.31" (33.3mm) Thick. .16" (4.06mm)
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HW-2-3 **HW-2-2** **HW-2-1**

ILL. # 16 CLUTCH PLATES

34 Teeth 34 Teeth

HX-23 Thick. .090" (2.3mm) O.D. 6.93" (176mm), I.D. 5.29" (134mm)	HX-23-4 Thick. .107" (2.7mm)	HX-23-9 Thick. .090" (2.3mm)	HX-23-8 Thick. .107" (2.7mm) O.D. 6.93" (176mm), I.D. 5.29" (134mm)
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MERCEDDES 722.6 & 722.9

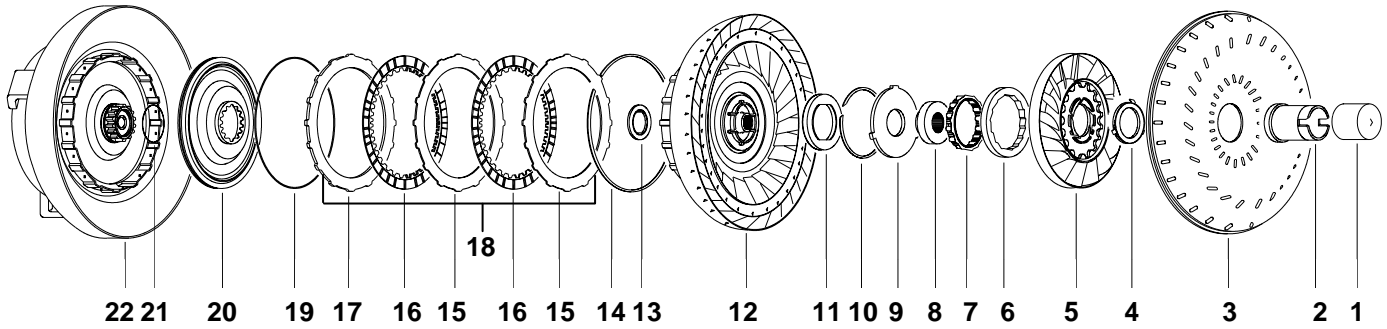
(272mm & 290mm) 5 Speed, MC-18, MC-19

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" Thickness: 0.116"		HX-20-2 HX-20-1
15	Pressure Plate 20 Teeth, 7.28" O.D., 5.63" I.D., .07"/(1.78mm) Thick Selective, Compensates For Ring Groove Wear, .08"/(2mm) Selective w/notches, 20 Teeth, 7.28" O.D., 5.63" I.D., .07"/(1.78mm) Thick	2	HX-23-1
		2	HX-23-1A
			HX-23-13
16	Clutch Plates 34 Teeth., 6.93" O.D., 5.90" I.D., .09" Thick 36 Segments, 722.6, 290mm 34 Teeth., 6.93" O.D., 5.90" I.D., .107" Thick 36 Segments, 722.6, 272mm 34 Teeth., 6.93" O.D., 5.29" I.D., .09" Thick Linings, 722.6, 290mm, 72 Segments 34 Teeth., 6.93" O.D., 5.29" I.D., .107" Thick Linings, 722.6, 272mm, 72 Segments	2	HX-23
		2	HX-23-4
		2	HX-23-9
		2	HX-23-8
17	Pressure Plates 20 Teeth, 7.282" O.D., 5.63" I.D., .16" Thick, 272mm 20 Teeth, 7.282" O.D., 5.63" I.D., .19" Thick, 290mm		HX-23-2
			HX-23-3

MERCEDDES 722.6 & 722.9, 272mm & 290mm) 5 Speed, MC-18, MC-19

MERCEDES 722.6 , 722.9

(272mm & 290mm) 5 Speed, MC-18, MC-19 , Continued



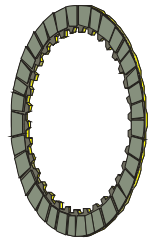
ILL. # 18

CLUTCH PLATE KITS

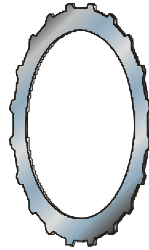
HX-23-5K
(272mm)



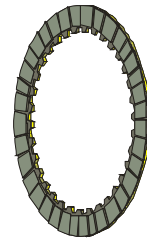
HX-23-1/HX-23-1A
.07"/1.8mm., 08"/2.0mm



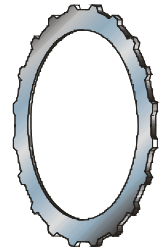
HX-23-4
.107"/2.7mm



HX-23-1/HX-23-1A
.07"/1.8mm., 08"/2.0mm



HX-23-4
.107"/2.7mm

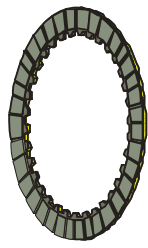


HX-23-2
.157"/4.0mm

HX-23-6K
(290mm)



HX-23-1/HX-23-1A
.07"/1.8mm., 08"/2.0mm



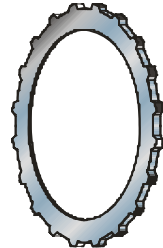
HX-23
.090"/2.3mm



HX-23-1/HX-23-1A
.07"/1.8mm., 08"/2.0mm

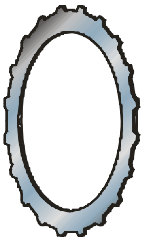


HX-23
.090"/2.3mm



HX-23-3
.197"/5.0mm

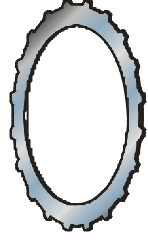
HX-23-11K
(272mm)



HX-23-1/HX-23-1A
.07"/1.8mm., 08"/2.0mm



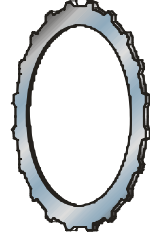
HX-23-8
.107"/2.7mm



HX-23-1/HX-23-1A
.07"/1.8mm., 08"/2.0mm

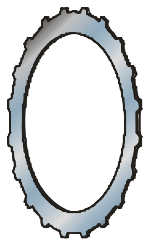


HX-23-8
.107"/2.7mm



HX-23-2
.157"/4.0mm

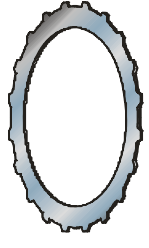
HX-23-12K
(290mm)



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

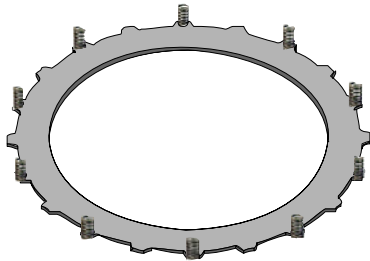
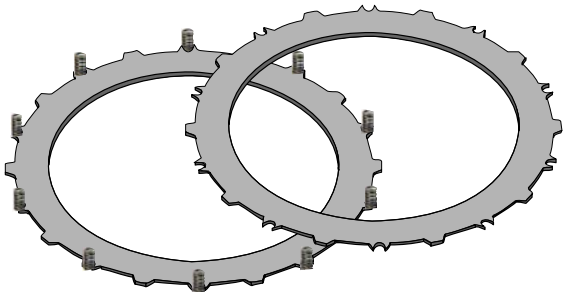


HX-23-3
.197"/5.0mm

MERCEDES 722.6 , 722.9

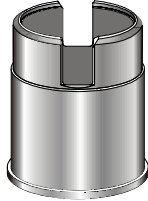
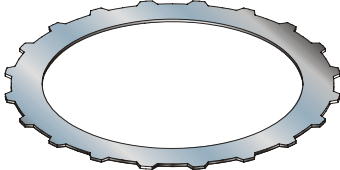
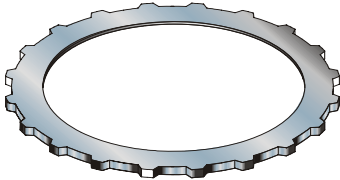
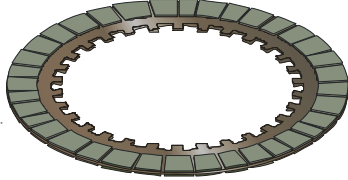
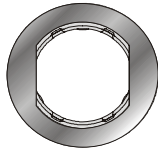
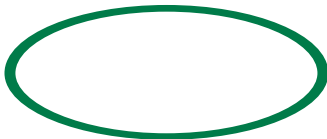

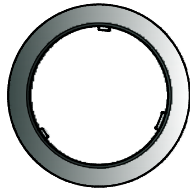
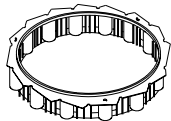
(272mm & 290mm) 5 Speed, MC-18, MC-19, Continued

ILL.#	DESCRIPTION	QTY.	PART #
18	Clutch Plate Kits	272mm: HX-23-1/HX-23-1A (2), HX-23-4 (2), HX-23-2 (1)	HX-23-5K
		290mm: HX-23-1/HX-23-1A (2), HX-23 (2), HX-23-3 (1)	HX-23-6K
		272mm: HX-23-1/HX-23-1A (2), HX-23-8 (2), HX-23-2 (1)	HX-23-11K
		290mm: HX-23-1/HX-23-1A (2), HX-23-9 (2), HX-23-3 (1)	HX-23-12K
		272mm & 290mm: (1) HX-23-13 (steel) and (10) HX-24-1 Short Springs	HX-23-13K
		272mm & 290mm: (2) HX-23-13 (steel) and (10) HX-24-2 Long Springs	HX-23-15K
N.I.	Spring	Short (.310") Clutch Release Spring	10 HX-24-1
		Long (.510") Clutch Release Spring	10 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
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	CLUTCH PLATE KITS
HX-23-13K	 <p>Kit includes: HX-23-13 clutch plate (1) HX-24-1 springs (10)</p>
HX-23-15K	 <p>Kit includes: HX-23-13 clutch plate (2) HX-24-2 springs (10)</p>

MERCEDES 722.7 FWD

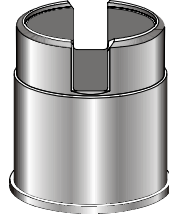


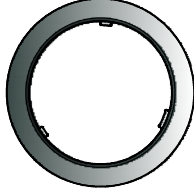



5 SPEED A140, A160, A170, A190, '97-UP

	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. .078" / 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™	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

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.

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" / 3.5mm		HW-2-4
Lining	Grooved, Kevlar®	O.D. 9.43" / 240mm I.D. 8.22" / 209mm Thick. .045" / 1.1mm		HX-23-10MK
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

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.

MERCEDES 722.9 LATE








7G-TRONIC

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hub Cap	Color: Black Material: Plastic	I,D, 1.5/8" ; 41.3mm Height 1 3/8" ; 34.9mm		MHC-B
Hub, Impeller		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 mm		HX-23-18

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.

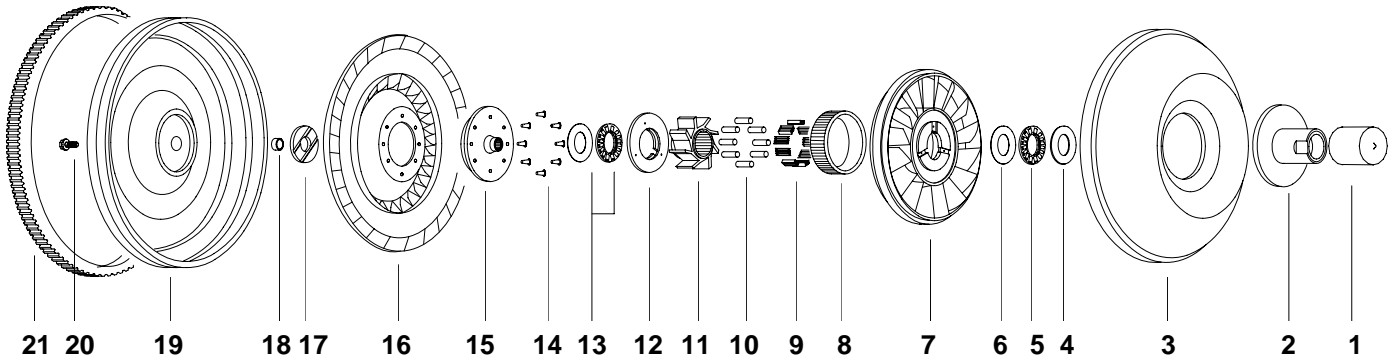
MERCEDES 722.9 LATE

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	D-Ring, Fluorocarbon	O.D. 0.810" / 20.6mm I.D. 0.610" / 15.5mm Thick 0.080" / 2.0mm		HO-25-3
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		I.D. 2.362" / 60mm (Inner Race O.D.) Height 0.531" / 13.5mm 14 rollers 8mm Dia.		HC-6-1
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

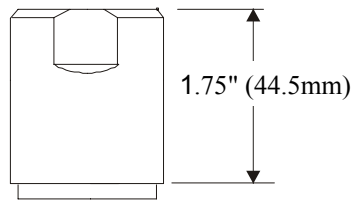
Items not yet in stock are in production planning.
Your Tri Component representative will advise
availability as per your requirements. Your suggestions
for additional items will be directed to engineering.

KM-170 NON-LOCKUP, CT-5

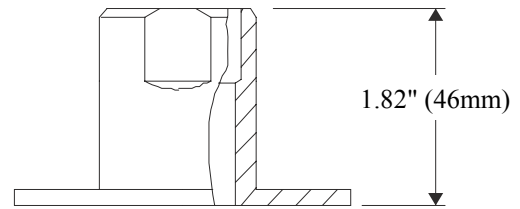


ILL. # 2

IMPELLER HUBS, 1.692" (43mm) DIA.



TH-1-13GRC



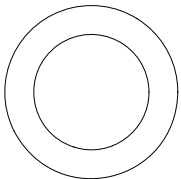
TH-1-21GRC

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

ILL. 4, 5, 6

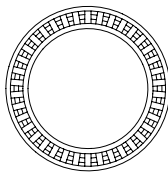
BEARING & RACES

O.D. 2.75" (70mm)
I.D. 2.00" (51mm)



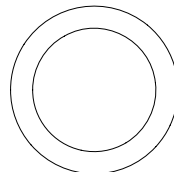
TRA-3244

Thick. .03" (.8mm)



NTA-3244

Thick. .078" (2mm)



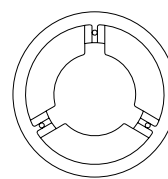
TRB-3244

Thick. .06" (1.5mm)

ILL. 12

STATOR CAP

O.D. 2.60" (66mm)
I.D. 1.30" (33mm)
Thick. .26" (6.6mm)

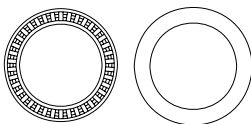


TW-4-5

ILL. 13

BEARING & RACE

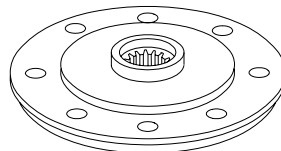
O.D. 1.93" (49mm)
I.D. 1.36" (34.5mm)



TW-2-5K

ILL. # 15 **TURBINE HUB & INSERT**

O.D. 3.47" (88mm) O.D. 1.00" (25.4mm)
22 Spline Height .87" (22mm)
22 Spline



TX-13-12HT

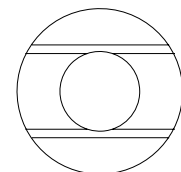


WX-13-22

ILL. # 17

WASHER

O.D. 1.92" (48.8mm)
I.D. .94" (23.9mm)
Thick. .05" (1.3mm)



TW-9-10

KM-170 NON-LOCKUP, CT-5

▶ DACCO # CT-5

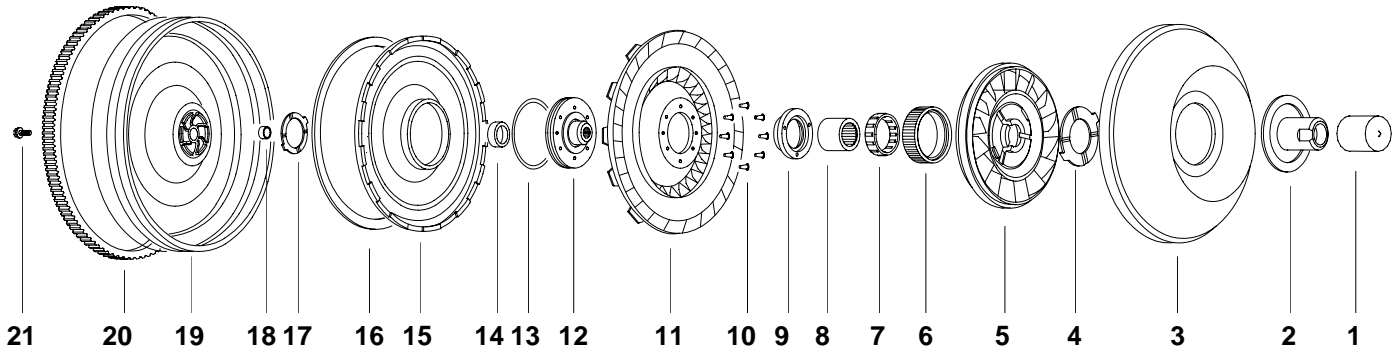
▶ ATC

▶ OTHER

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap®		MHC-B
2	Hub, Impeller		TH-1-13GRC TH-1-21GRC
3	Impeller		
4	Race, Bearing		TRA-3244
5	Bearing		NTA-3244
6	Race, Bearing		TRB-3244
7	Stator		
8	Race, Outer		
9	Spring, Accordion	8	SS-6
10	Roller	8	TR-7-3
11	Race, Inner		TX-14-8
12	Cap, Stator		TW-4-5
13	Bearing & Race Kit		TW-2-5K
14	Rivet	8	TX-12-4
15	Turbine Hub		TX-13-12HT
N.I.	Insert, Spline		WX-13-22
16	Turbine		
17	Washer, Turbine		TW-9-10
18	Bushing, Cover		TB-18-11
19	Cover, Front		
20	Bolt	3	B-41
21	Ring Gear		RG-106KM*

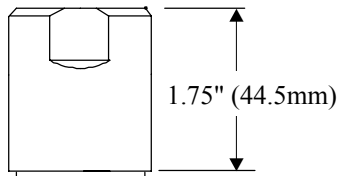
*Note: **RG-106KM** Can Be Mounted On Non-Lockup Units By Machining Off The Gear Portion.
Tip: Cut With Plasma Torch.

KM-175 LOCKUP, CT-7/8

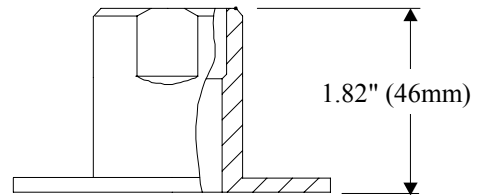


ILL. # 2

IMPELLER HUBS, 1.692" (43mm) DIA.



TH-1-13GRC



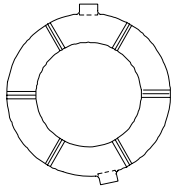
TH-1-21GRC

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

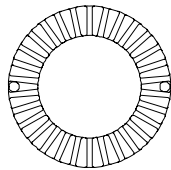
ILL. # 4

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

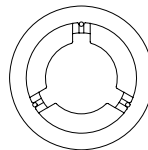


TW-3-6
Plastic

ILL. # 9

STATOR CAP

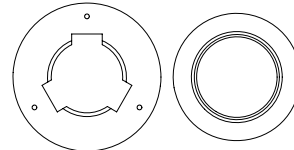
O.D. 2.60" (66mm)
I.D. 1.30" (33mm)
Thick. .30" (7.6mm)



TW-4-6

ADAPTER KIT

O.D. 2.60" (66mm)
I.D. 1.30" (33mm)
Kit Thick. .30" (7.5mm)

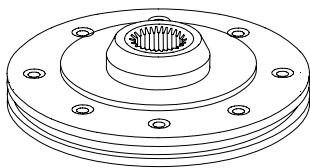


TW-4-15K

ILL. # 12

TURBINE HUB

O.D. 3.22" (81.8mm)
24 Spline

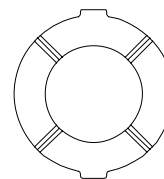


TX-13-11HT

ILL. # 17

TURBINE WASHER

O.D. 2.00" (50.8mm)
I.D. 1.22" (31mm)
Thick. .07" (1.8mm)



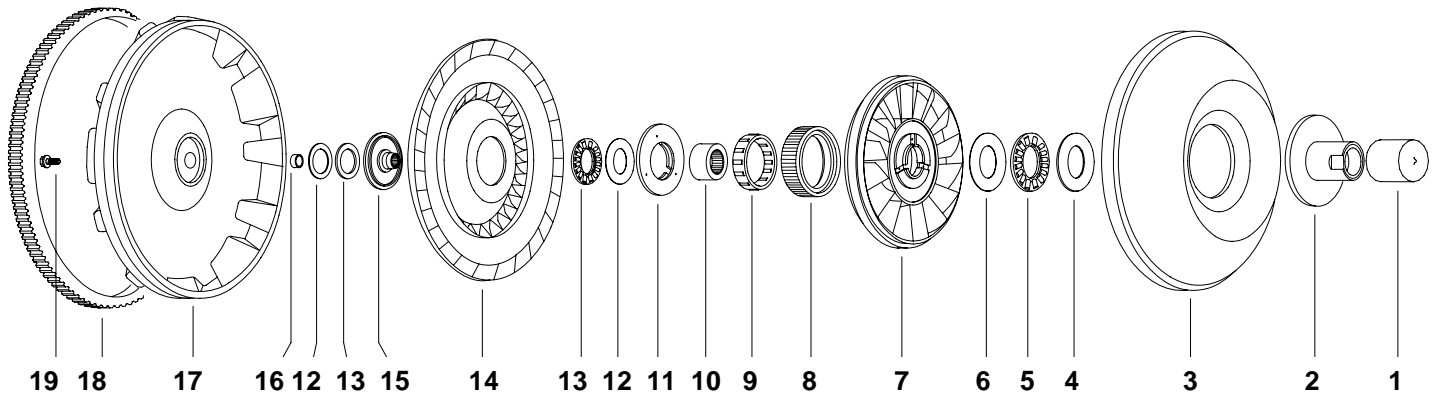
TW-9-11
Bronze

KM -175 LOCKUP, CT-7/8

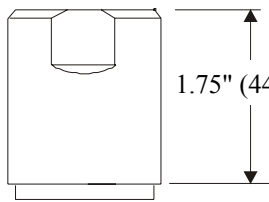
▷ DACCO #	CT-7, CT-8
▷ ATC	KM7, KM8
▷ OTHER	42-3, 42-4

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 Plastic, 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-26-7
<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	3	B-41

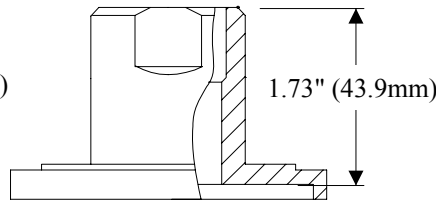
KM-175 & 177 NON-LOCKUP, CT-9



ILL. # 2 IMPELLER HUBS, 1.692" (43mm) DIA.



TH-1-13GRC

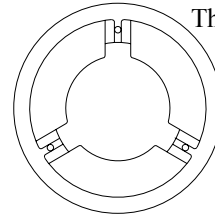


TH-1-22GRC

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

ILL. #11 STATOR CAP

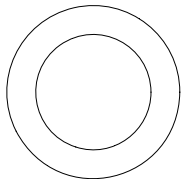
O.D. 2.60" (66mm)
I.D. 1.30" (33mm)
Thick. .26" (6.6mm)



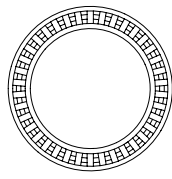
TW-4-5

ILL. #4, 5, 6 BEARING & RACES

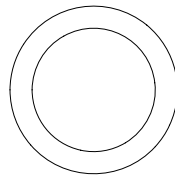
O.D. 2.75" (70mm)
I.D. 2.00" (51mm)



TRA-3244
Thick. .03" (.8mm)



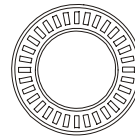
NTA-3244
Thick. .078" (2mm)



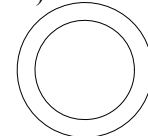
TRB-3244
Thick. .06" (1.5mm)

ILL. # 12,13 BEARING & RACE KIT

O.D. 1.93" (49mm)
I.D. 1.36" (34.5mm)
Thick. .19" (4.8mm)



TW-2-5

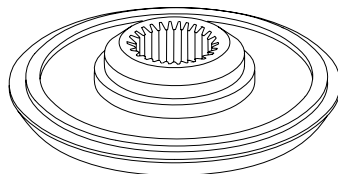


TW-2-6

TW-2-5K

ILL. # 15 TURBINE HUB

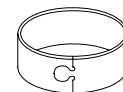
O.D. 2.75" (70mm)
20 Spline



TX-13-17HT

ILL. # 16 BUSHING

O.D. .79" (20mm)
Height .44" (11mm)



TB-18-12

KM-175 & 177 NON-LOCKUP,

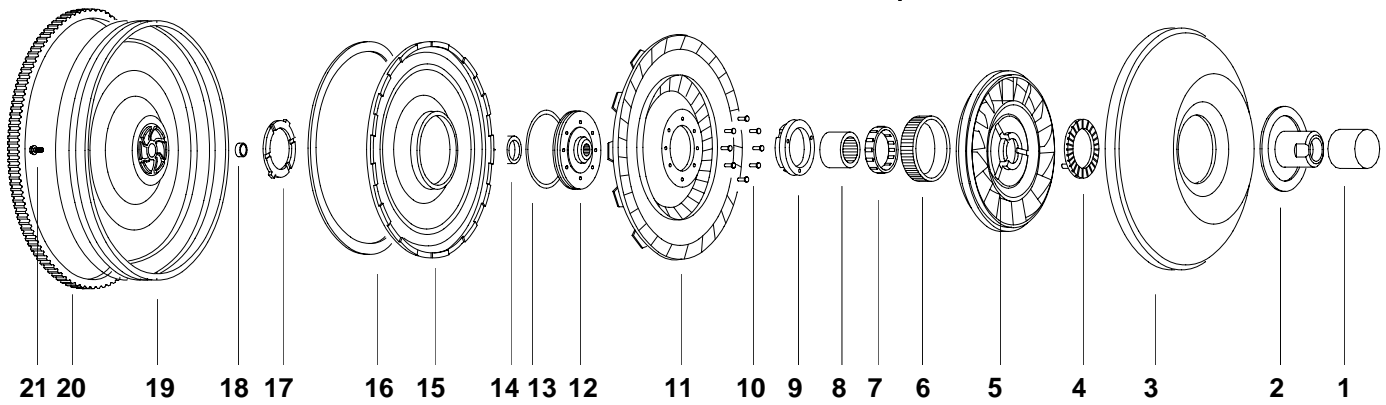
CT-9

▶ 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

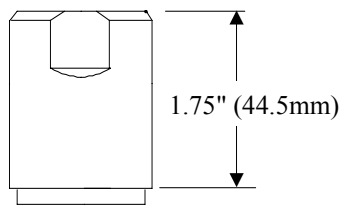
*Note: TW-2-5 Bearing }
 TW-2-6 Race } Bearing and Race Kit TW-2-5K

KM-176 LOCKUP, CT-11

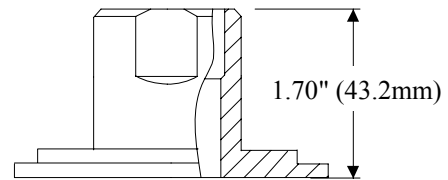


ILL. # 2

IMPELLER HUBS, 1.692" (43mm) DIA.



TH-1-13GRC



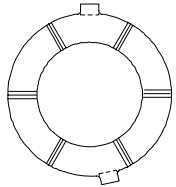
TH-1-23GRC

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

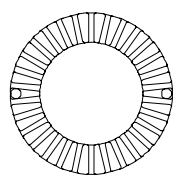
ILL. # 4

WASHERS

O.D. 2.86" (72.6mm)	O.D. 2.87" (72.9mm)
I.D. 1.82" (46.2mm)	I.D. 1.82" (46.2mm)
Thick. .09" (2.3mm)	Thick. .13" (3.3mm)



TW-3-5

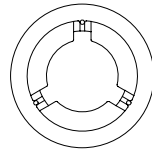


TW-3-6

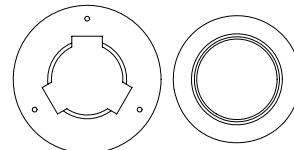
ILL. # 9

STATOR CAP & ADAPTER KIT

O.D. 2.60" (66mm)	O.D. 2.60" (66mm)
I.D. 1.30" (33mm)	I.D. 1.30" (33mm)
Thick. .30" (7.6mm)	Kit Thick. .30" (7.6mm)



TW-4-6

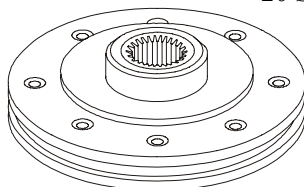


TW-4-15K

ILL. # 12

TURBINE HUB

O.D. 3.22" (81.8mm)
20 Spline

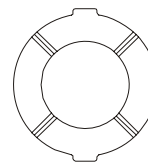


TX-13-15HT

ILL. # 17

WASHER

O.D. 1.99" (50.5mm)
I.D. 1.22" (31.0mm)
Thick. .07" (1.8mm)



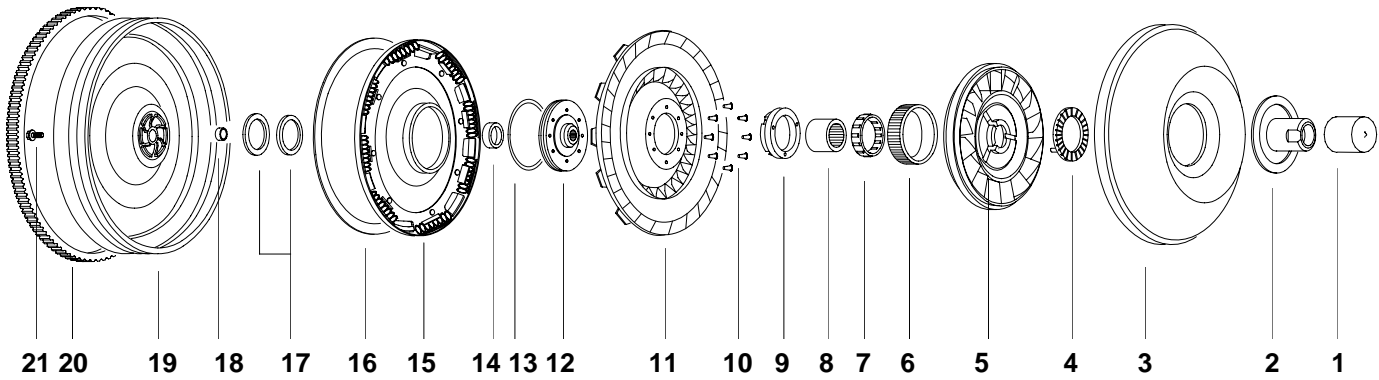
TW-9-11

KM-176 LOCKUP, CT-11

▶ DACCO #	CT-11
▶ ATC	KM11
▶ OTHER	42-7

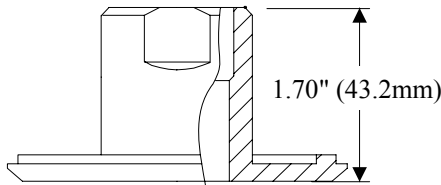
ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Black™, For 1-5/8" Dia. Hub		MHC-B
2	Hub, Impeller 1.75" High, Heat Treated Flanged, Heat Treated, 1.70" High		TH-1-13GRC TH-1-23GRC
3	Impeller		
4	Washer, Stator Bronze, Stator, 2 Lugs, External Plastic, Stator, 2 Round Lugs		TW-3-5 TW-3-6
5	Stator		
6	Race, Outer		
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 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		
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-23-6 SX-23-13
<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

KM-175-5/177 LOCKUP, CT-12

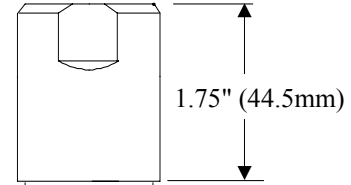


ILL. # 2

IMPELLER HUBS, 1.692" (43mm) DIA.



TH-1-26GRC



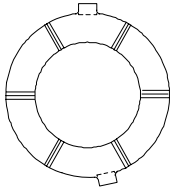
TH-1-13GRC

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

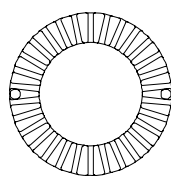
ILL. # 4

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

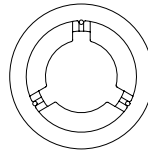


TW-3-6

ILL. # 9

STATOR CAP

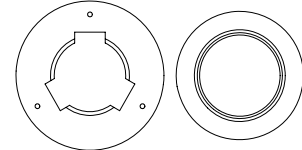
O.D. 2.60" (66mm)
I.D. 1.30" (33mm)
Thick. .30" (7.6mm)



TW-4-6

ADAPTER KIT

O.D. 2.60" (66mm)
I.D. 1.30" (33mm)
Thick. .30" (7.6mm)

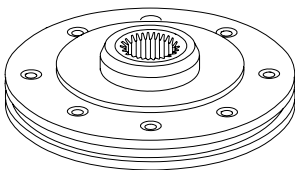


TW-4-15K

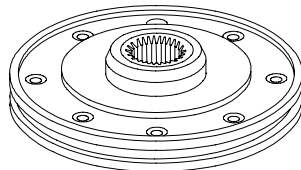
ILL. # 12

TURBINE HUBS

O.D. 3.22" (81.8mm)
20 Spline



TX-13-16HT

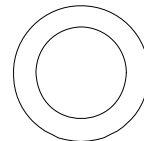
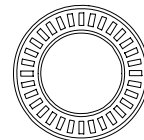


TX-13-19HT

ILL. # 17

BEARING & RACE KIT

O.D. 1.89" (48mm)
I.D. 1.36" (34.5mm)
Thick. .19" (4.8mm)



TW-2-5K

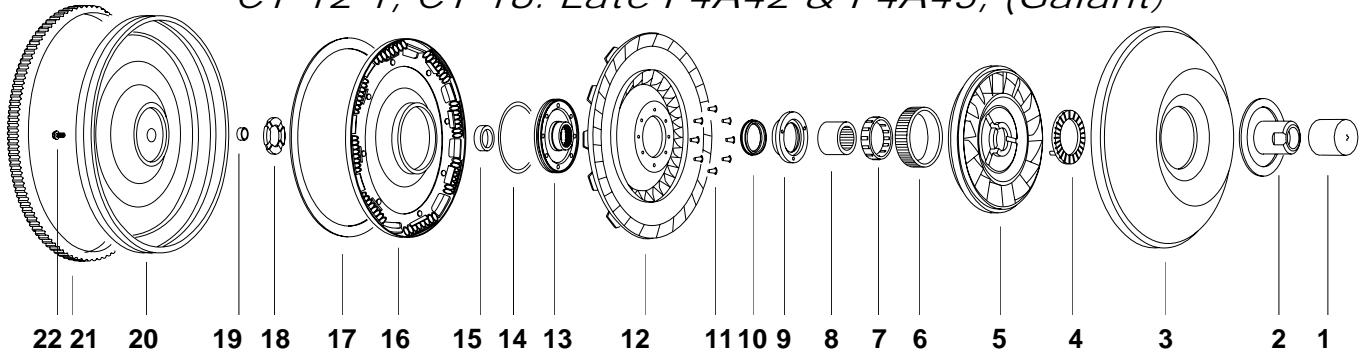
KM-175-5/177 LOCKUP, CT-12

▶ 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 Plastic, 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 Aluminum Kit, Adapter 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-23-6
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
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

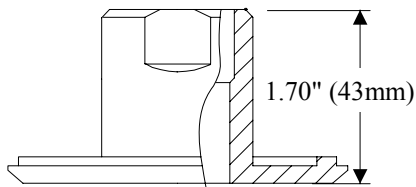
KM-175-5/177 LOCKUP

CT-12-1, CT-18. Late F4A42 & F4A43, (Galant)

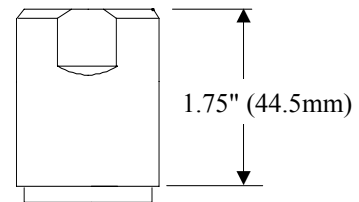


ILL. # 2

IMPELLER HUBS, 1.692" (43mm) DIA.



TH-1-26GRC



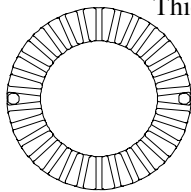
TH-1-13GRC

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)

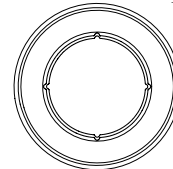


TW-3-6

ILL. # 10

BEARING

O.D. 1.92" (48.8mm)
I.D. 1.20" (30.5mm)
Thick. .23" (5.8mm)



TW-2-17

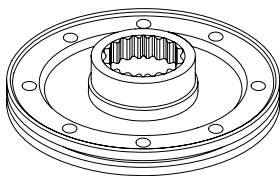
ILL. # 13

TURBINE HUBS

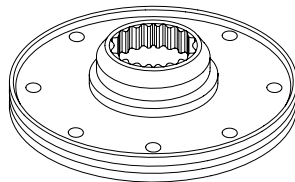
O.D. 3.22" (81.8mm)
20 Spline

O.D. 3.48" (88.4mm)
20 Spline

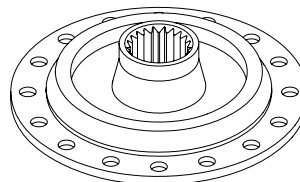
O.D. 4.09" (124.5mm)
20 Spline



TX-13-32HT



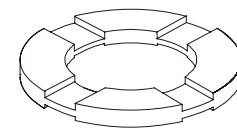
TX-13-35HT



TX-13-37HT

ILL. # 18 TURBINE WASHER

O.D. 1.97" (50mm)
I.D. 1.35" (34mm)
Thick. .24" (6.1mm)



TW-9-17

KM-175-5/177 LOCKUP

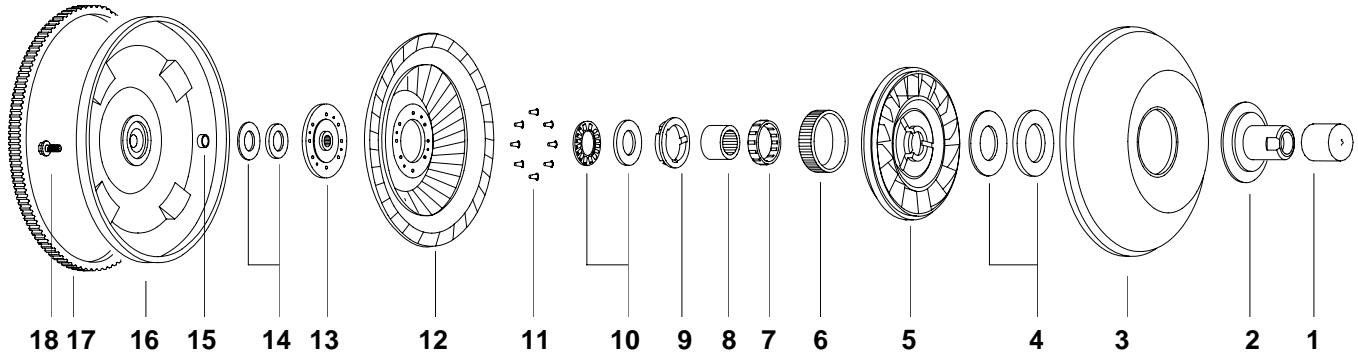
CT-12-1, CT-18. Late F4A42 & F4A43, (Galant)

▶ DACCO #	CT-12-1, CT-18, CT-19
▶ 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 Flanged, Heat Treated, 1.70" High		TH-1-13GRC TH-1-26GRC
3	Impeller		
4	Washer, Stator Bronze, Stator, 2 Lugs Plastic, 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, .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 20 Spline, O.D. 4.09", Heat Treated, '98 Galant 20 Spline, O.D. 3.48", Heat Treated, '99 Galant		TX-13-32HT TX-13-37HT TX-13-35HT
14	O-Ring 74mm I.D. x 2.5mm, For TX-13-32HT Oversized, I.D. 74mm x 2.7mm		TO-25-4 TO-25-4X
15	Seal, Metal Clad High Temp., Use w/TX-13-32HT & TX-13-35HT Use w/TX-13-37HT		TO-25-5 TO-25-13
16	Lockup Clutch 8 Springs		TX-26-12
17	Lining 9 1/4" x 8 1/8" x .045", Preglued <i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i> Floating Ring, 9 1/4" O.D., 7 7/8" I.D. .070" Thick		FX-23-6 TX-26-7
18	Washer, Turbine Plastic Alternate, Bronze		TW-9-17 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 110Teeth, ST-18		RG-106KM RG-110KM
22	Bolt Hex Head, M10 x 1.25, 11mm Long	3	B-42

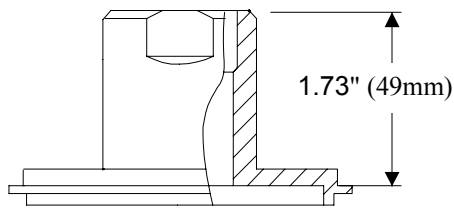
MITSUBISHI KM-175-5/177 LOCKUP, CT-12-1, Late F4A42 & F4A43, '94 Galant

MITSUBISHI F4A33, CT-13

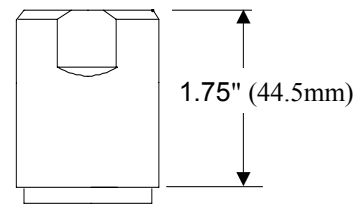


ILL. # 2

IMPELLER HUBS, 1.692" (43mm) DIA.



TH-1-28GRC

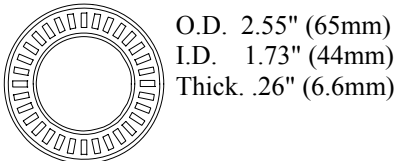


TH-1-13GRC

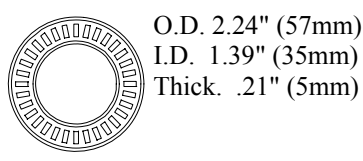
Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC" - Hardness Rc 32-36

ILL. # 4, 10, 14

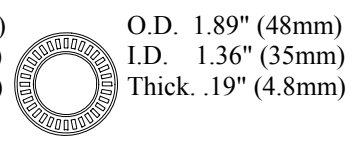
BEARING & RACE KIT



TW-2-12K



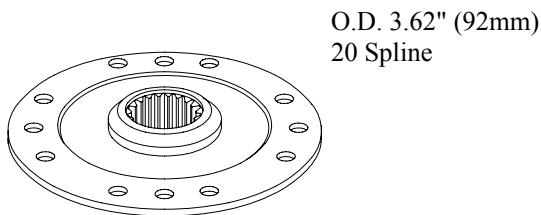
TW-2-14K



TW-2-5K

ILL. # 13

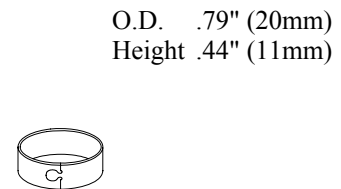
TURBINE HUB



TX-13-33HT

ILL. # 15

BUSHING



TB-18-12

MITSUBISHI F4A33, CT-13

▶ DACCO # CT-13

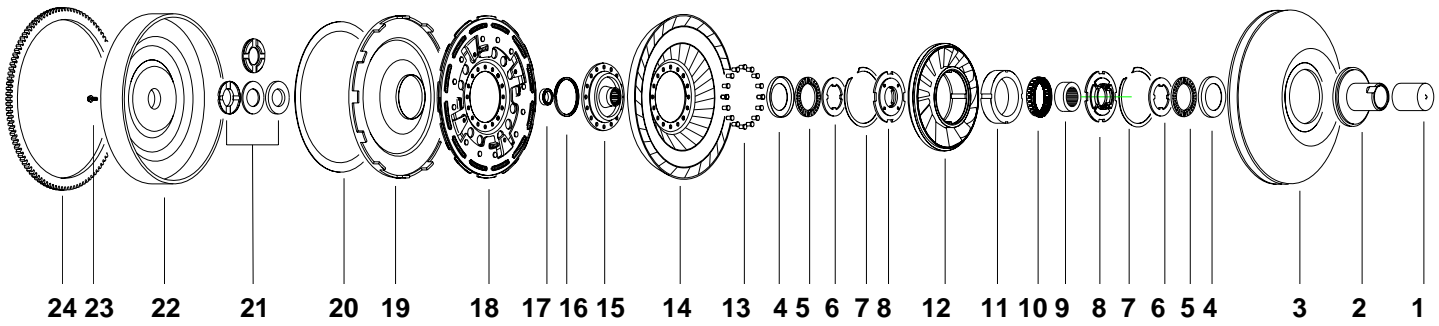
▶ ATC KM14

▶ 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	.226" Shank Dia. x .281" 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

'98 Galant



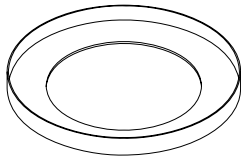
ILL. # 4, 5, 6

RETAINER, BEARING & STEEL WASHER

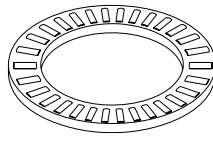
O.D. 2.43" (61.7mm)
I.D. 1.66" (42.2mm)
Thick. .03" (.8mm)

O.D. 2.36" (60mm)
I.D. 1.57" (40mm)
Thick. .12" (3mm)

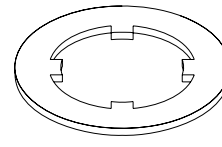
O.D. 2.30" (58mm)
I.D. 1.58" (40mm)
Thick. .08" (2mm)



YW-2-4



JW-2ND



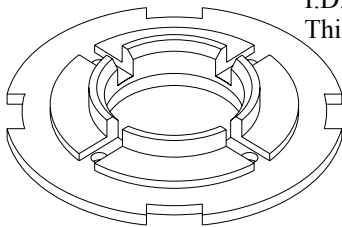
YW-2

YW-2-BK

ILL. # 8

STATOR CAP

O.D. 3.10" (78.7mm)
I.D. 1.27" (32mm)
Thick. .40" (10mm)

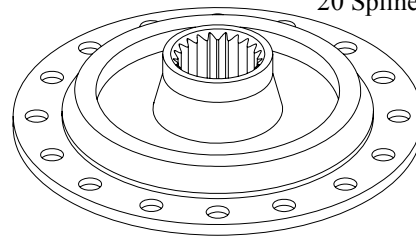


YW-4-13

ILL. #15

TURBINE HUB

O.D. 4.09" (104mm)
20 Spline

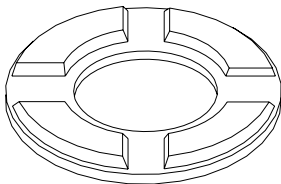


TX-13-37HT

ILL. # 21

TURBINE WASHER

O.D. 2.29" (58mm)
I.D. 1.11" (28mm)
Thick. .24" (6mm)

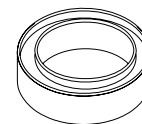


YW-9-4B
Phenolic

ILL. # 17

SEAL, METAL CLAD

O.D. 0.97" (24.6mm)
I.D. 0.63" (16mm)



TO-25-13

mitsubishi F4A42

▷ DACCO # CT-24

'98 Galant

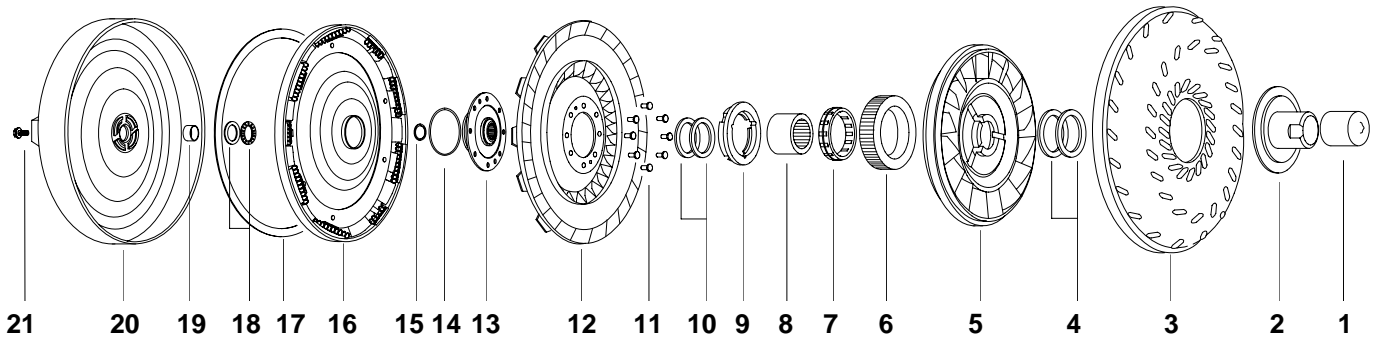
ILL.#	DESCRIPTION	QT	PART #
1	Hubcap®		MHC-B
2	Hub, Impeller		
3	Impeller		
4	*Retainer	Bearing, Cupped, 2.43" O.D., 1.66" I.D., .030" Thick.	2 YW-2-4
5	*Bearing	60mm x 40mm x 3mm	2 JW-2ND
6	*Washer, Steel	Universal, 1 Tang, Replaces 4 Tangs	2 YW-2
7	Ring, Snap		2
8	Cap, Stator	Aluminum	2 YW-4-13
9	Stator		
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	24.6mm 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-23-21
<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** } Bearing and Race Kit **YW-2BK** or **YW-2-4** } Bearing **YW-2-16** see pg. 12-20, 12-21
JW-2ND } **YW-2** } **JW-2ND** }

** Alternate: Use **YW-9-6** Bearing & **YW-9-7** Race, See Pages 11-20, 11-21

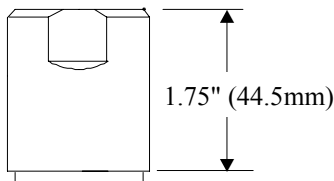
KM-175 & 176 LOCKUP, CT-15

Dodge Stealth, '92 Diamante, Mitsubishi 3000

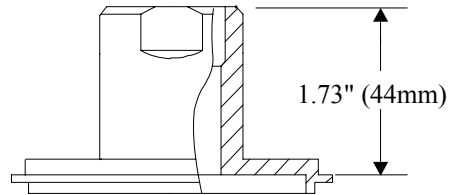


ILL. # 2

IMPELLER HUBS, 1.692" (43mm) DIA.



TH-1-13GRC

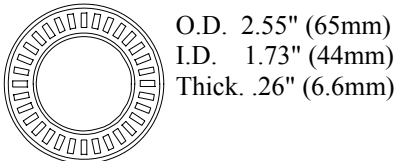


TH-1-28GRC

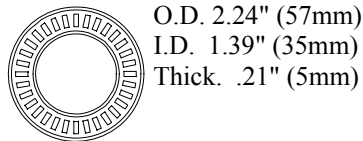
Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC" - Hardness Rc 32-36

ILL. # 4, 10, 18

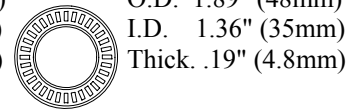
BEARING & RACE KIT



TW-2-12K



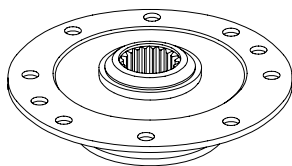
TW-2-14K



TW-2-5K

ILL. # 13

TURBINE HUB

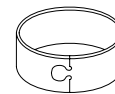


TX-13-18HT

O.D. 3.62" (92mm)
20 Spline

ILL. # 19

BUSHING



TB-18-12

O.D. .79" (20mm)
Height .44" (11mm)

KM-175 & 176 LOCKUP, CT-15

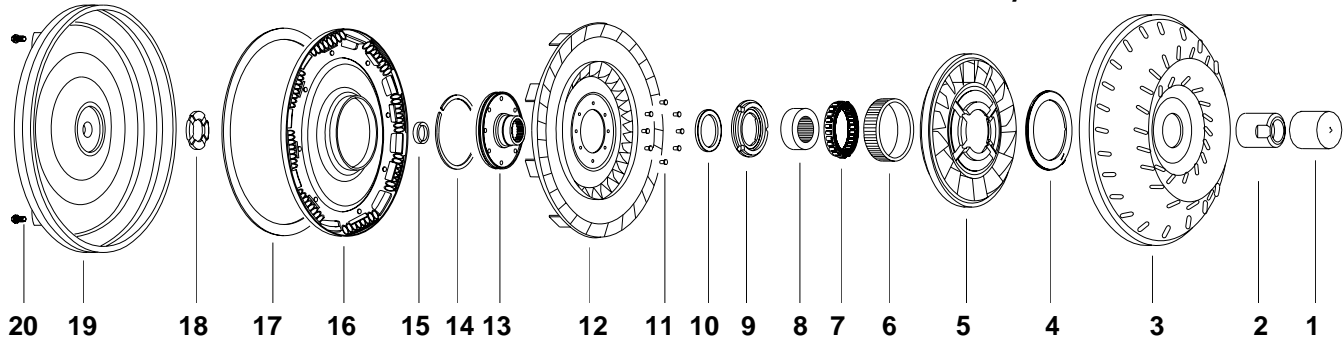
Dodge Stealth, '92 Diamante, Mitsubishi 3000

▶ 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 Flanged, Heat Treated, 1.73" High		TH-1-13GRC 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-23-22
		<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>		
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 & 176 LOCKUP, CT-15. Dodge Stealth, Diamante, Mitsubishi 3000

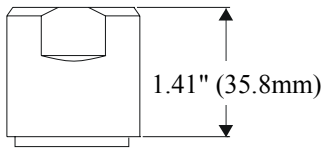
MITSUBISHI CT-26 (Galant '99 & Up) & CT-27 (Mazda 626 '99 & Up)



ILL. # 2

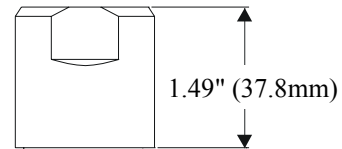
IMPELLER HUBS

1.573" (40mm) DIA., CT-27



TH-1-36GRC

1.692" (43mm) DIA., CT-26

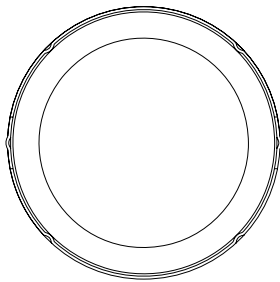


TH-1-37GRC

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

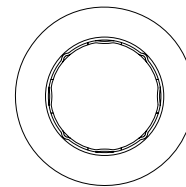
ILL. # 4, 10

BEARINGS



JW-2-24

O.D. 3.35" (85mm)
I.D. 2.56" (65mm)
Thick. .18" (4.8mm)

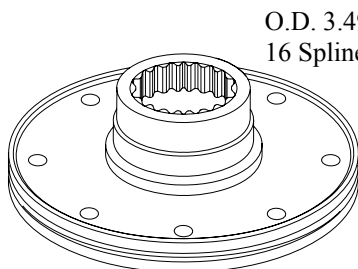


TW-2-21

O.D. 2.24" (57mm)
I.D. 1.30" (33mm)
Thick. 0.23" (5.8mm)

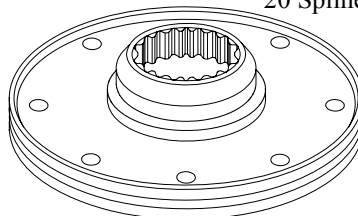
ILL. # 13

TURBINE HUBS



TX-13-34HT

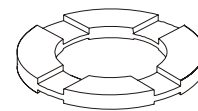
O.D. 3.49" (89mm)
16 Spline



TX-13-35HT

O.D. 3.49" (89mm)
20 Spline

ILL. # 18 **TURBINE WASHER**



TW-9-17

O.D. 1.89" (48mm)
I.D. 1.36" (34.5mm)
Thick. .24" (6.1mm)

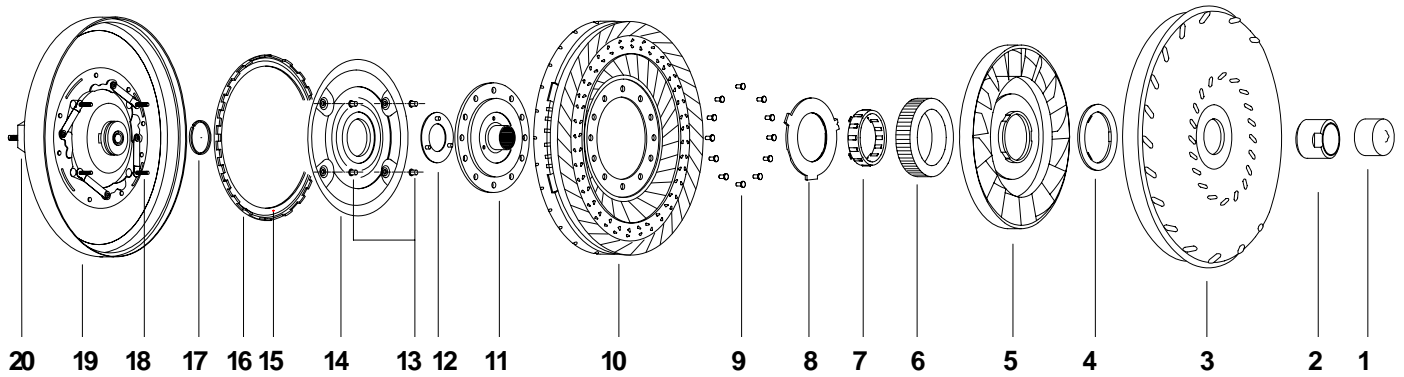
MITSUBISHI CT-26 (Galant '99 & Up) & CT-27 (Mazda 626 '99 & Up)

▶ DACCO# CT-26, 27
▶ ATC
▶ OTHER marked 2C

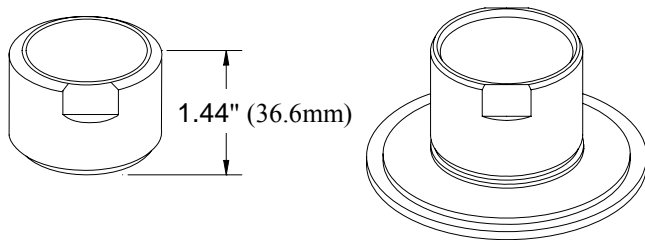
ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap®		
2	Hub, Impeller	1.573" Dia., 1.41" High, Heat Treated 1.691" Dia., 1.49" High, Heat Treated	TH-1-36GRC TH-1-37GRC
3	Impeller		
4	Bearing	Enclosed, 3.33" O.D., 2.56" I.D., .19" Thick	JW-2-24
5	Stator		
6	Race, Outer		
7	Sprag	Assembly Cam Kit, 20 Cams, CT-27 Cam Kit, 24 Cams, CT-26	MS-240-20K 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 20 Spline, Heat Treated, CT-26	TX-13-34HT TX-13-35HT
14	Seal Ring	PTFE, 3.5" O.D., .09" Thick, CT-27	TO-25-11
	O-Ring	Fluorocarbon, CT-26 Oversized, CT-26	TO-25-14 VO-25-1
15	Seal, Metal Clad	23mm x 15mm, CT-27 25mm x 16.8mm, CT-26	TO-25-12 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-23-6
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
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 CT-26 (Galant '99 & Up) & CT-27 (Mazda 626 '99 & Up)

RENAULT DPO, PEUGEOT AL4, CITROEN, EARLY



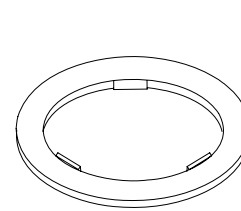
ILL. # 2 IMPELLER HUB, 2.140" (54.4mm) DIA.



RH-1-1GRC

RH-1-2FLG

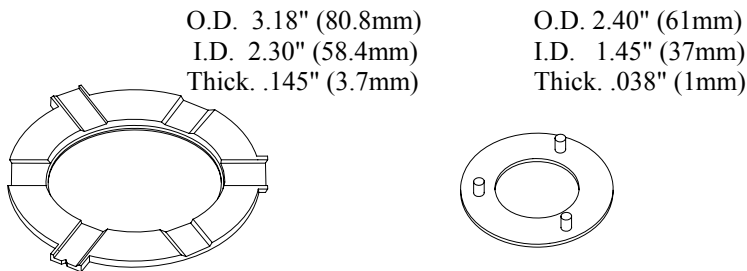
ILL. # 4 BEARING



RW-2-1

O.D. 2.97" (75mm)
I.D. 2.06" (52mm)
Thick. .14" (3.6mm)

ILL. # 8, 12 PLASTIC WASHERS



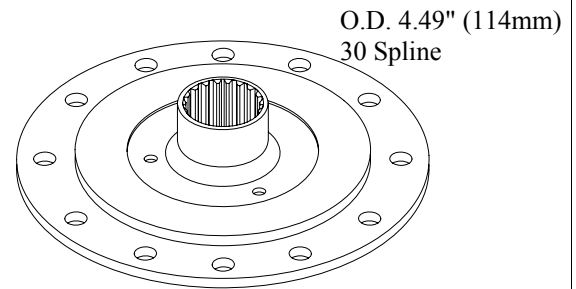
RW-4-1

RW-9-1

O.D. 3.18" (80.8mm)
I.D. 2.30" (58.4mm)
Thick. .145" (3.7mm)

O.D. 2.40" (61mm)
I.D. 1.45" (37mm)
Thick. .038" (1mm)

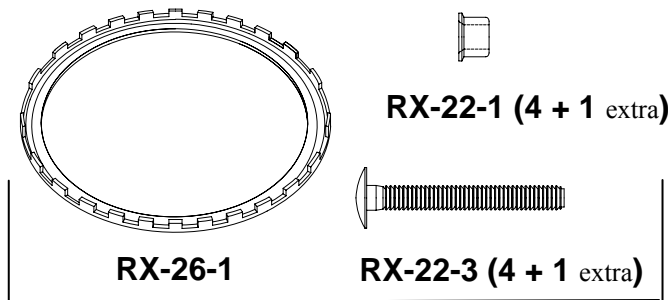
ILL. # 11 TURBINE HUB



RX-13-1HT

O.D. 4.49" (114mm)
30 Spline

ILL. # 16, 13 & 18 CLUTCH PLATE, RETAINERS & RIVETS



RX-26-1

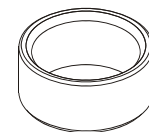
RX-22-1 (4 + 1 extra)

RX-22-3 (4 + 1 extra)

RX-26-1K Clutch Kit

N.I. REPAIR SLEEVE

I.D. .709" (7.4mm)
Height .400" (9.8mm)



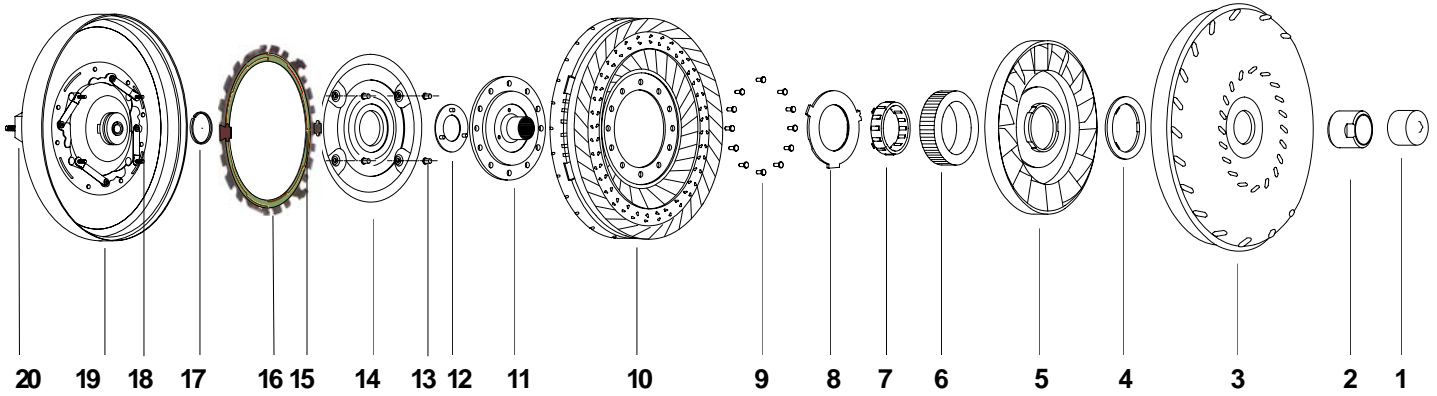
RX-22-2

RENAULT DPO, PEUGEOT AL4, CITROEN, EARLY

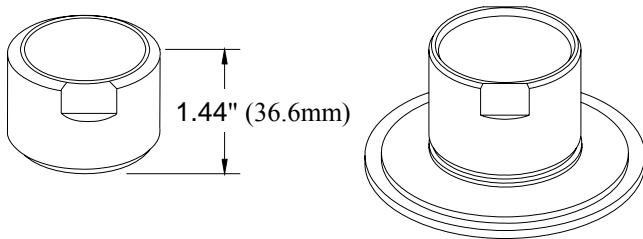
ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Brown™, For 2-1/8" Dia. Hub		MHC-BR
2	Hub, Impeller	Butt Mount, Heat Treated, 2.14" O.D., 1.44" High Flanged		RH-1-1GRC RH-1-2FLG
3	Impeller			
4	Bearing	Enclosed, 3 Tangs, 2.97" O.D., 2.06" I.D., .14" Thick		RW-2-1
5	Stator			
6	Race, Outer			
7	Sprag	Assembly Cam Repair Kit, 16 Cams, .192 x .242		RC-6-1 MF-240-16K
8	Stator Cap	Plastic		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	Plastic, 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-23-1
		<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 6.50" x .36", 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, EARLY

RENAULT DPO, PEUGEOT AL4, CITROEN, LATE



ILL. # 2 IMPELLER HUB 2.140" (54.4mm) DIA.

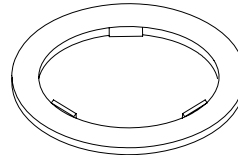


RH-1-1GRC

RH-1-2FLG

ILL. # 4 BEARING

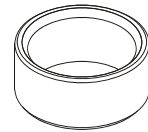
O.D. 2.97" (75mm)
I.D. 2.06" (52mm)
Thick. .14" (3.6mm)



RW-2-1

N.I. REPAIR SLEEVE

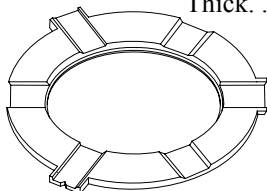
I.D. .709" (7.4mm)
Height .400" (9.8mm)



RX-22-2

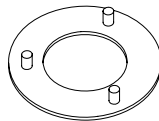
ILL. # 8, 12 PLASTIC WASHERS

O.D. 3.18" (81mm)
I.D. 2.30" (58mm)
Thick. .145" (4mm)



RW-4-1

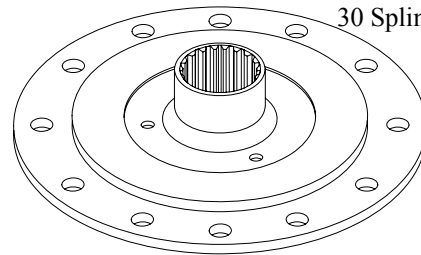
O.D. 2.40" (61mm)
I.D. 1.45" (37mm)
Thick. .038" (1mm)



RW-9-1

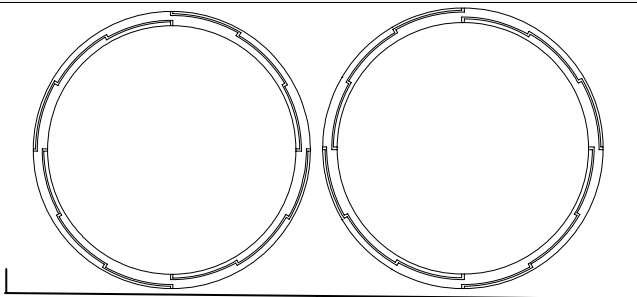
ILL. # 11 TURBINE HUB

O.D. 4.49" (114mm)
30 Spline



RX-13-1HT

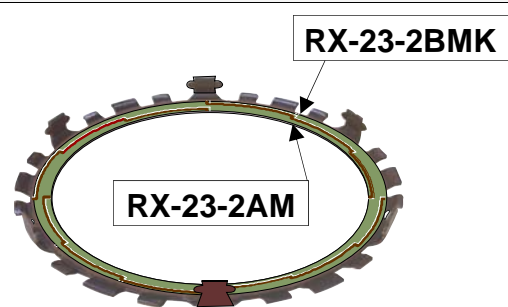
ILL. # 15 LININGS



RX-23-2KK

(kit includes two linings with mirror design grooves)

ILL. # 16 CLUTCH PLATE



RX-26-2 (with RX-23-2KK)

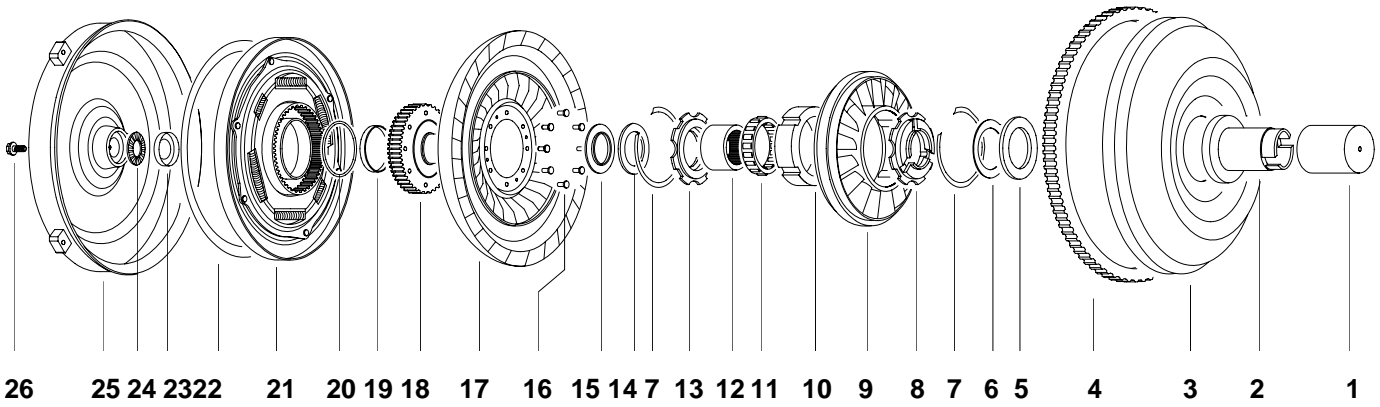
RENAULT DPO, PEUGEOT AL4, CITROEN, LATE

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	Plastic		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	Plastic, 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*
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
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.: 0.370", Length: 1.814", Shank Dia.: 0.183"	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.

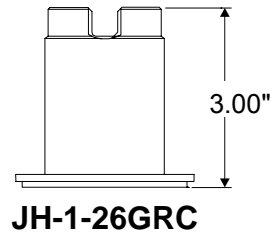
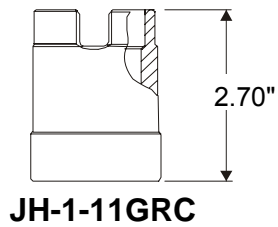
NOTES

SUBARU, SU-11



ILL. # 2

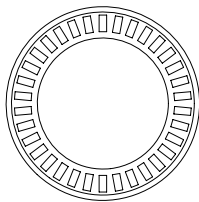
IMPELLER HUBS, 1.960" DIA.



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

ILL #5

BEARING

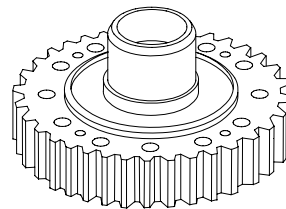


TW-2-12

O.D. 2.55"
I.D. 1.73"

ILL #18

TURBINE HUB

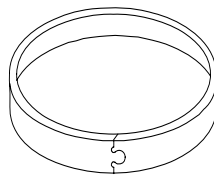


JX-13-16

O.D. 3.72"
22 Splines

ILL. # 19

BUSHING



49003

O.D. 48mm
I.D. 45mm
Width 8.5mm

SUBARU, SU-11

▶ DACCO # SU-11

▶ ATC SU11

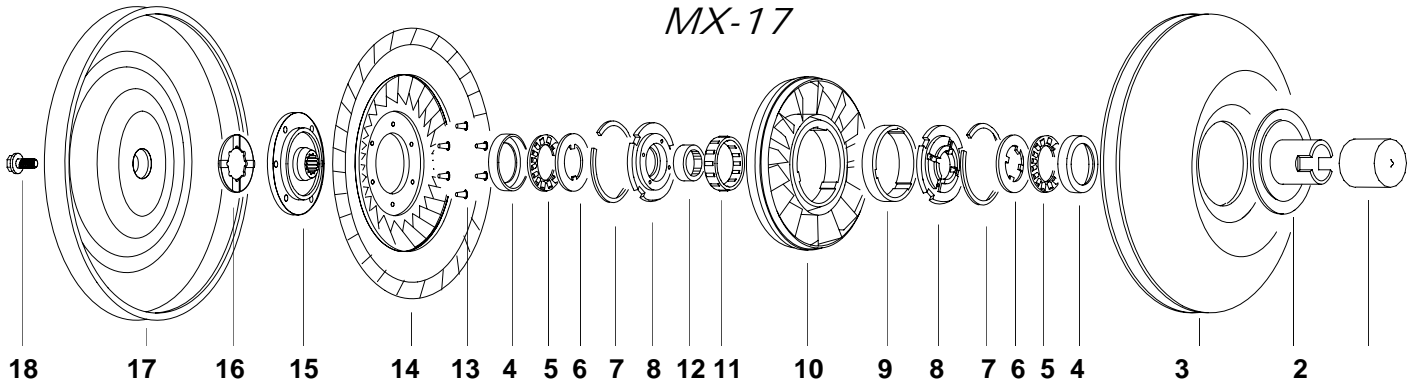
▶ OTHER 69-31

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 8.5mm		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-23-20
	<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>		
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		

NOTES

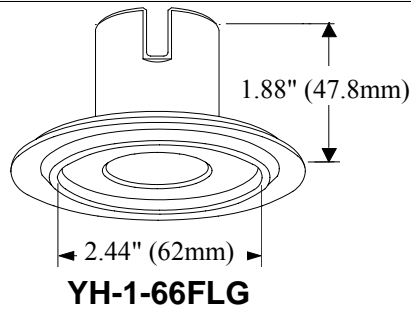
TOYOTA A-130 NON-LOCKUP

MX-17

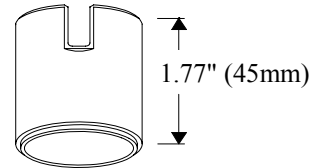


ILL. # 2

IMPELLER HUBS, 1.499" (38mm) DIA.



YH-1-66FLG

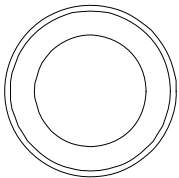


YH-1-3G

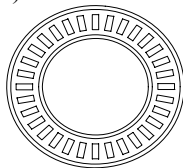
Suffix Code: No Suffix - Unfinished, "G"- Finish Ground, "RC"- Hardness Rc 32-36

ILL. # 4, 5, 6 RETAINER, BEARING & STEEL WASHER

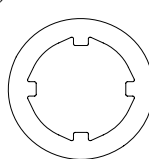
O.D. 2.43" (62mm)	O.D. 2.36" (60mm)	O.D. 2.30" (58mm)
I.D. 1.65" (42mm)	I.D. 1.57" (40mm)	I.D. 1.58" (40mm)
Thick. .03" (0.8mm)	Thick. .12" (3mm)	Thick. .08" (2mm)



YW-2-4



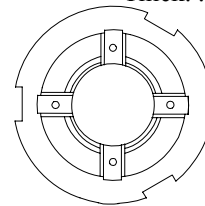
JW-2ND



YW-2

ILL. #8 STATOR CAP

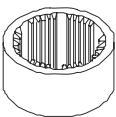
O.D. 3.09" (78.5mm)
I.D. 1.28" (32.5mm)
Thick. .41" (10.4mm)



YW-4-5

ILL. #12 INNER RACE

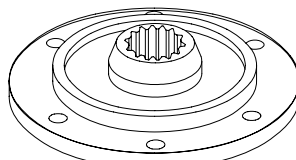
O.D. 1.63" (41.4mm)
Height .83" (21.1mm)
38 Spline
12 Removed



YX-14-3

ILL. #15 TURBINE HUB

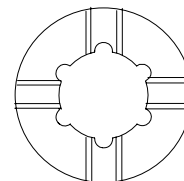
O.D. 3.70" (94mm)
26 Spline



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

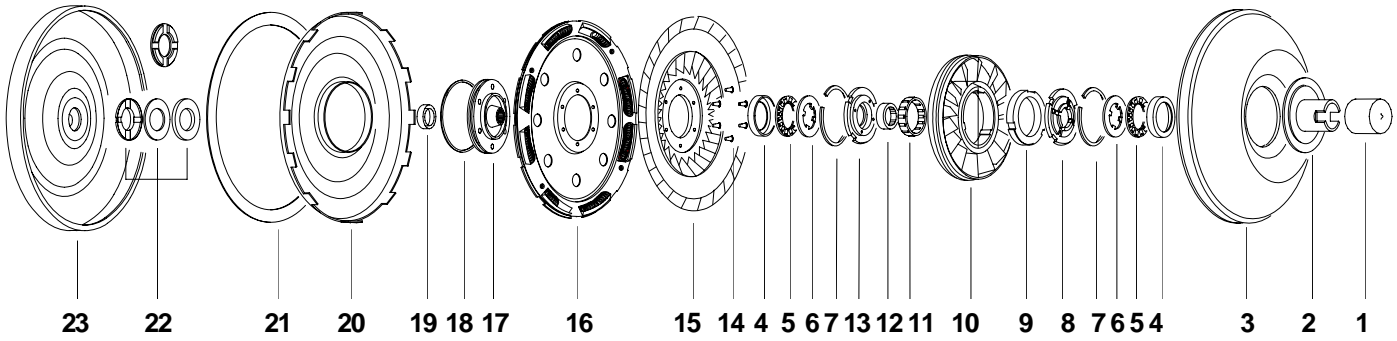
▶ DACCO #	TO-29
▶ ATC	TO30
▶ OTHER	89-4

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Green™, For 1.5" Dia. Hubs		MHC-G
2	Hub, Impeller Flanged, Heat Treated 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, Replaces JW-2N 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	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

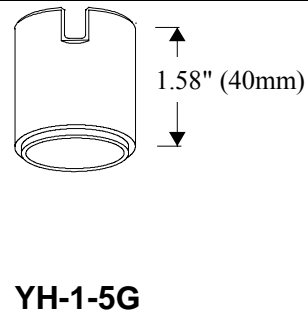
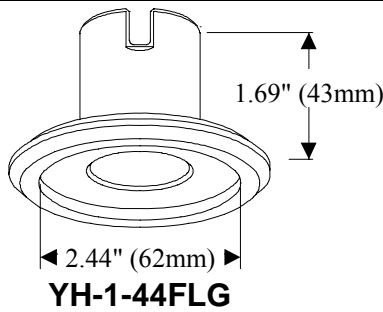
YW-2-4
JW-2ND } Bearing **YW-2-16**, See Pages 11-20, 11-21

TOYOTA A-131L LOCKUP



ILL. # 2

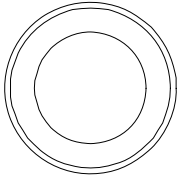
IMPELLER HUBS, 1.499" (38mm) DIA.



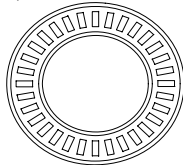
Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"-Hardness Rc 32-36

ILL. # 4, 5, 6 RETAINER, BEARING & STEEL WASHER

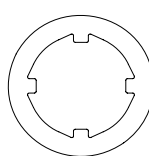
O.D. 2.43" (62mm)	O.D. 2.36" (60mm)	O.D. 2.30" (58mm)
I.D. 1.65" (42mm)	I.D. 1.57" (40mm)	I.D. 1.58" (40mm)
Thick. .030" (0.8mm)	Thick. .12" (3mm)	Thick. .08" (2mm)



YW-2-4



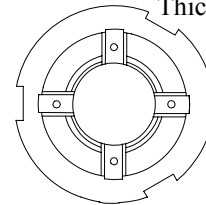
JW-2ND



YW-2

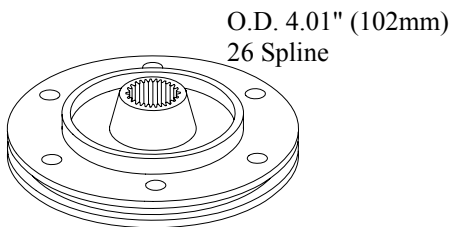
ILL. # 8 & 13 STATOR CAP

O.D. 3.09" (78.5mm)
I.D. 1.28" (32.5mm)
Thick. .41" (10.4mm)



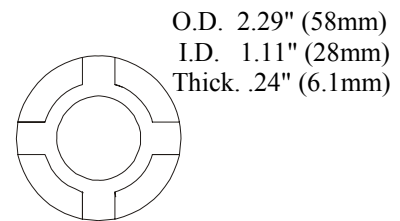
YW-4-5

ILL. #17 TURBINE HUB



YX-13HT

ILL. # 22 TURBINE WASHER



YW-9-4B

TOYOTA A-131L LOCKUP

▶ DACCO # TO-19, TO-24

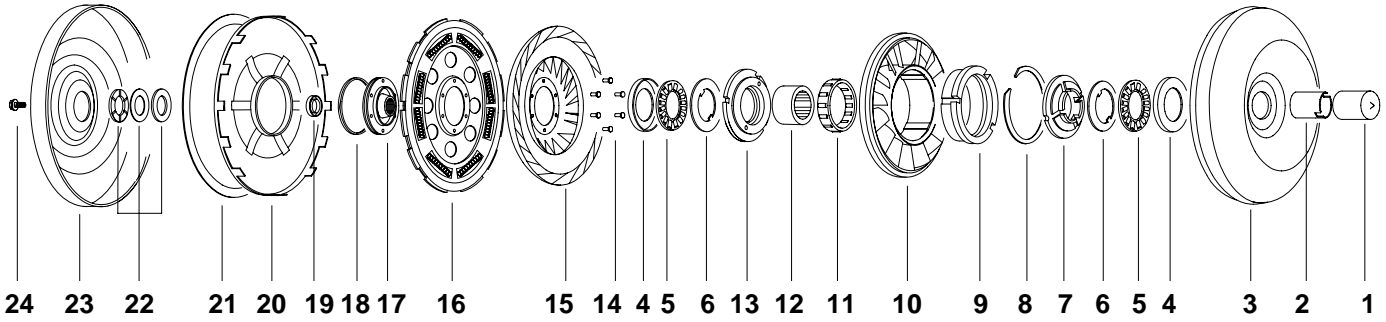
▶ ATC TO19

▶ OTHER

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Green™, For 1.5" Dia. Hubs		MHC-G
2	Hub, Impeller Flanged, Heat Treated Butt Mount, 1.499" Dia.		YH-1-44FLG 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 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	2	
8	Cap, Stator Rear, Aluminum, Bulletproof™ 3.09" O.D., 1.28" I.D., .41" Thick		YW-4-5
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™ 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	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 PTFE, 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-25-2
20	Lockup Clutch		YX-23-4
21	Lining 8-1/4" O.D., 7-1/4" I.D., .045" Thick 8-1/2" O.D., 7-1/4" I.D., .045" Thick		YX-23-2 YX-23-19
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
22	Bearing & Race Kit Washer, Turbine Replaced By Washer YW-9-4B Phenolic, 2.27" O.D., 1.11" I.D., .24" Thick		YW-9-4K YW-9-4B
23	Cover, Front		
N.I.	Bolt Hex Head, M8 × 1.25	6	YX-10-1

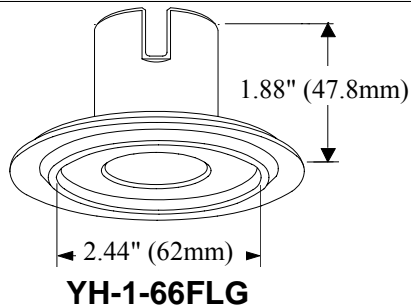
*Note: YW-2-4 }
JW-2ND } Bearing and Race Kit YW-2BK

TOYOTA A-140E

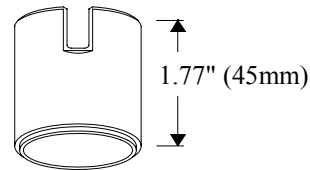


ILL. # 2

IMPELLER HUBS, 1.499" (38mm) DIA.



YH-1-66FLG

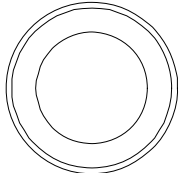


YH-1-3G

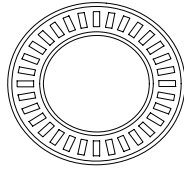
Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"- Hardness Rc 32-36

ILL. # 4, 5, 6 RETAINER, BEARING & STEEL WASHER

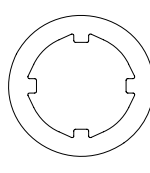
O.D. 2.43" (62mm)	O.D. 2.36" (60mm)	O.D. 2.30" (58mm)
I.D. 1.65" (42mm)	I.D. 1.57" (40mm)	I.D. 1.58" (40mm)
Thick. .030" (0.8mm)	Thick. .12" (3mm)	Thick. .08" (2mm)



YW-2-4



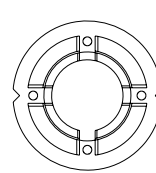
JW-2ND



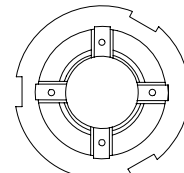
YW-2

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)

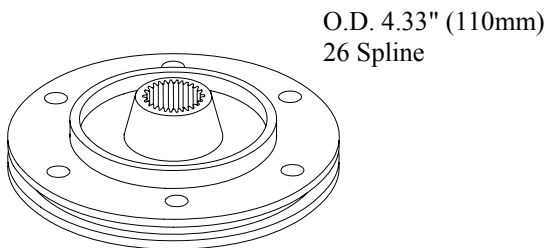


YW-4-6



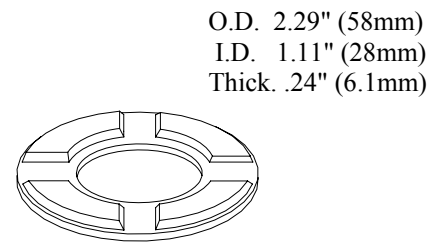
YW-4-5

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

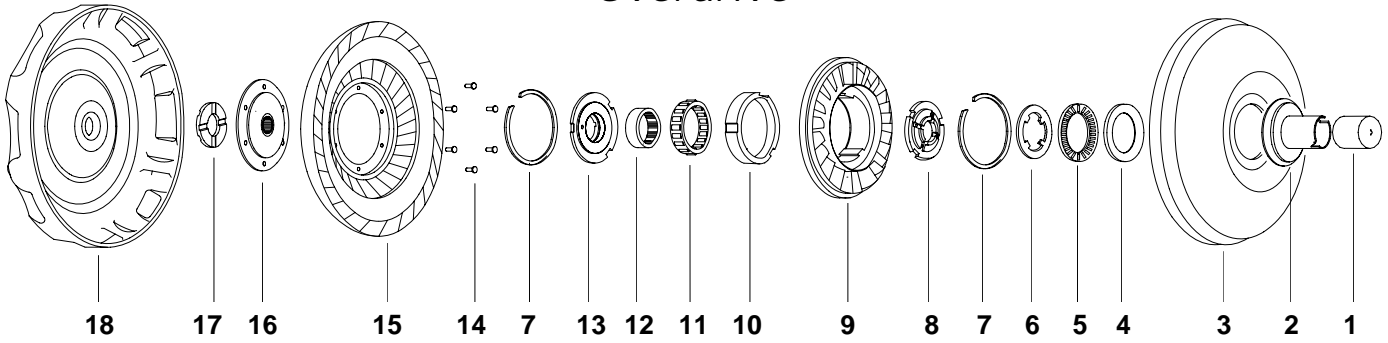
ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Green™, For 1.5" Dia. Hubs		MHC-G
2	Hub, Impeller Flanged, Heat Treated		YH-1-66FLG
	Butt Mount, 1.5" Dia.		YH-1-3G
3	Impeller		
4	* Retainer Bearing, Cupped, 2.43" O.D., 1.66" I.D., .030" Thick	2	YW-2-4
5	* Bearing Heavy Duty, 60mm x 40mm x 3.2mm, Replaces JW-2N	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 PTFE, Scarf Cut, 110mm x 2.3mm		YO-25-3
19	Seal, Metal Clad Hi Temperature, 23.6mm x 15mm		YO-25-2
	Hi Temperature, 15.5mm. x 23.5mm.		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-23-3
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
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 11-20, 11-21

** Alternate: Use **YW-9-6** Bearing & **YW-9-7** Race, to Replace **YW-9-4K**, See Pages 11-20, 11-21

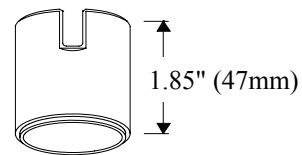
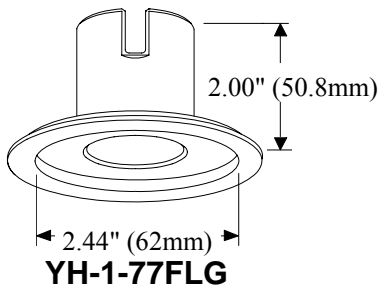
A-40/43/44D NON-LOCKUP,

Overdrive



ILL. # 2

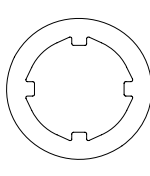
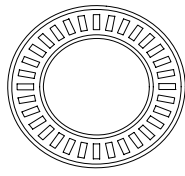
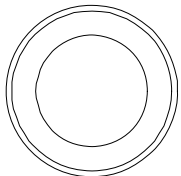
IMPELLER HUBS, 1.499" (38mm) DIA.



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

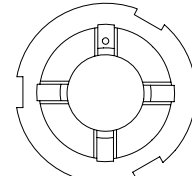
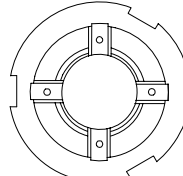
ILL. # 4, 5, 6 RETAINER, BEARING & STEEL WASHER

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)



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)

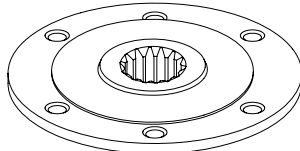
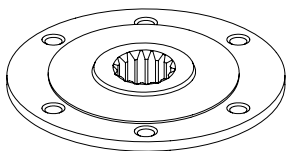


ILL. #16

TURBINE HUBS

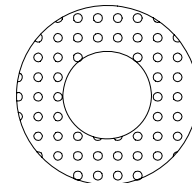
O.D. 3.77" (95.8mm)
26 Spline

O.D. 3.89" (98.8mm)
26 Spline



ILL. # 17 TURBINE WASHER

O.D. 2.56"
I.D. 1.24"
Thick. .08"



A-40/43/44D NON-LOCKUP, Overdrive

▶ DACCO # TO-12, TO-21, TO-25

▶ ATC TO25

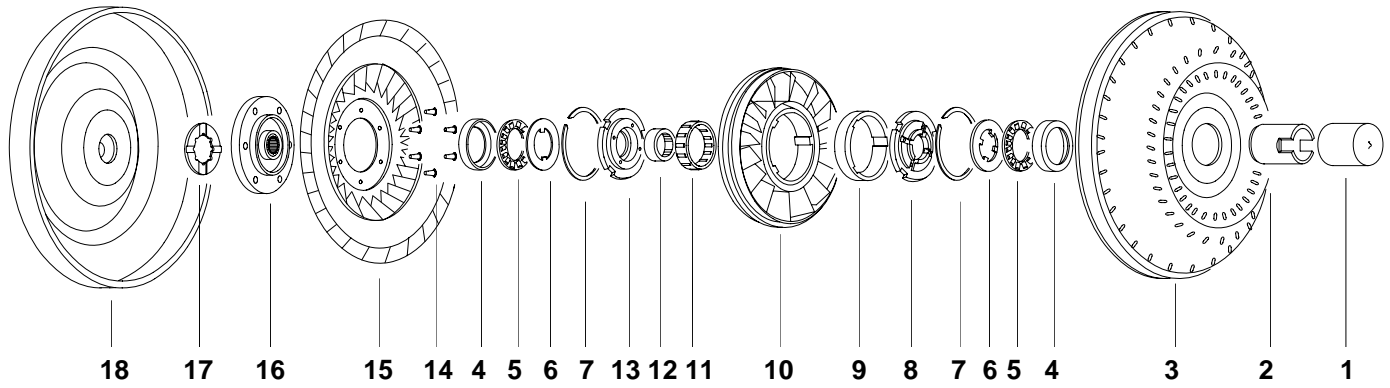
▶ OTHER 67-25

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

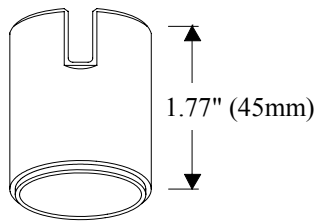
YW-2-4
JW-2ND } Bearing **YW-2-16**, See Pages 11-20, 11-21

TOYOTA A-41/42DL NON-LOCKUP



ILL. #2

IMPELLER HUB, 1.499" (38mm) DIA.

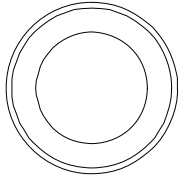


YH-1-3G

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

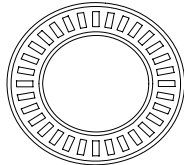
ILL. # 4, 5, 6 **RETAINER, BEARING & STEEL WASHER**

O.D. 2.43" (62mm)
I.D. 1.65" (42mm)
Thick. .030" 0.8mm



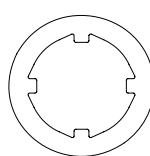
YW-2-4

O.D. 2.36" (60mm)
I.D. 1.57" (40mm)
Thick. .12" (3mm)



JW-2ND

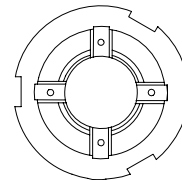
O.D. 2.30" (58mm)
I.D. 1.58" (40mm)
Thick. .08" (2mm)



YW-2

ILL. #8 & 13 **STATOR CAP**

O.D. 3.09" (78.5mm)
I.D. 1.28" (32.5mm)
Thick. .41" (10.4mm)

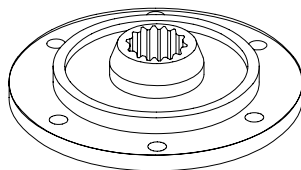


YW-4-5

ILL. #16

TURBINE HUB

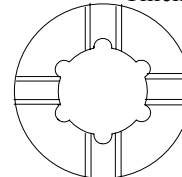
O.D. 3.70" (94mm)
26 Spline



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

▷ DACCO # TO-17

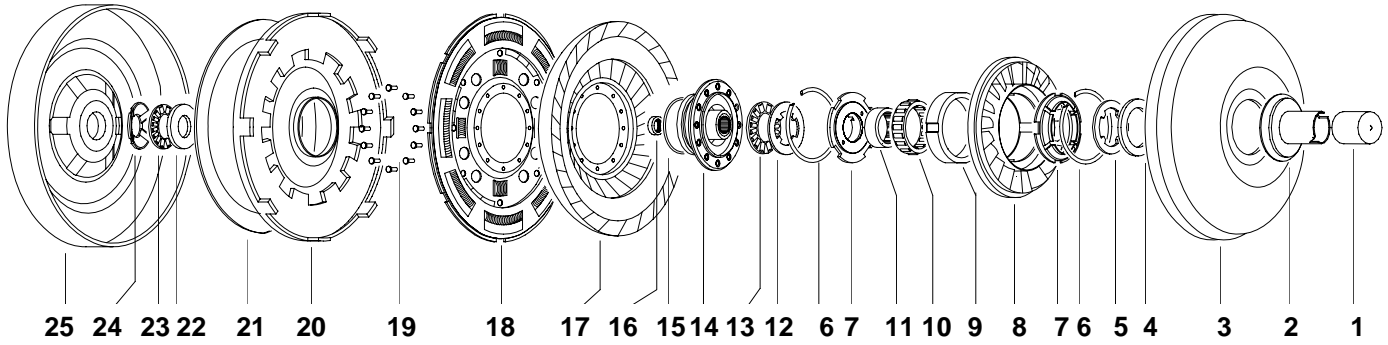
▷ ATC TO18A

▷ 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	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, PTFE, Scarf Cut		YO-25-1
19	Seal, Metal Clad	Hi Temperature, 15mm. x 23.6mm. Hi Temperature, 15.5mm. x 23.5mm.		YO-25-2 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-23-1
		<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>		
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

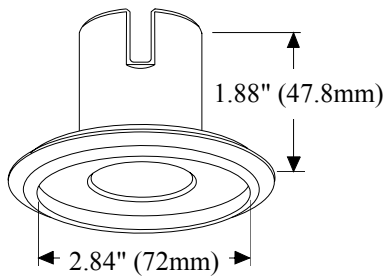
*Note: **YW-2-4**
JW-2ND
YW-2 } Bearing and Race Kit **YW-2BK**

TOYOTA A-440F, TO-34

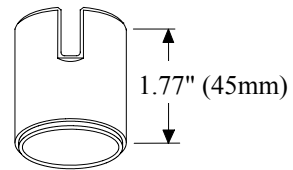


ILL. #2

IMPELLER HUBS, 1.499" (38mm) DIA.



YH-1-13FLG

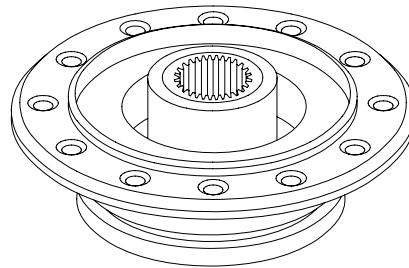


YH-1-3G

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

ILL. #14

TURBINE HUB



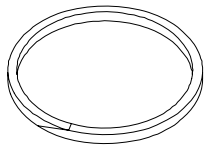
O.D. 4.05" (103mm)
20 Spline

YX-13-6HT

ILL. #15

SEAL RING

O.D. 68mm I.D. (63mm)
Thick. 0.09" (2.3mm)

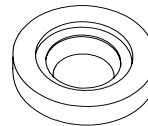


YO-25-1

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

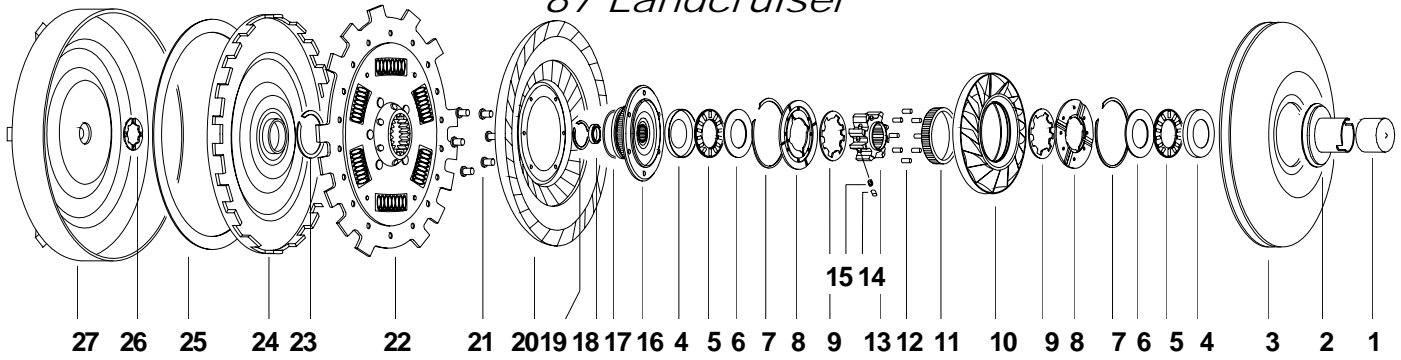
▷ ATC TO34

▷ 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			YX-13-6HT
		20 Spline		
15	Ring, Seal			YO-25-1
		68mm x 2.3, PTFE®, Scarf Cut		
16	Metal Clad Seal			YO-25-5
		15mm x 2.5mm		
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-23-11
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>				
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 A-440-L, TO-46,

'87 Landcruiser



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

<p>YH-1-8G</p>	<p>YH-1-11FLG</p>	<p>YH-1-7G</p>	<p>YH-1-12FLG</p>
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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 A-440-L, TO-46,

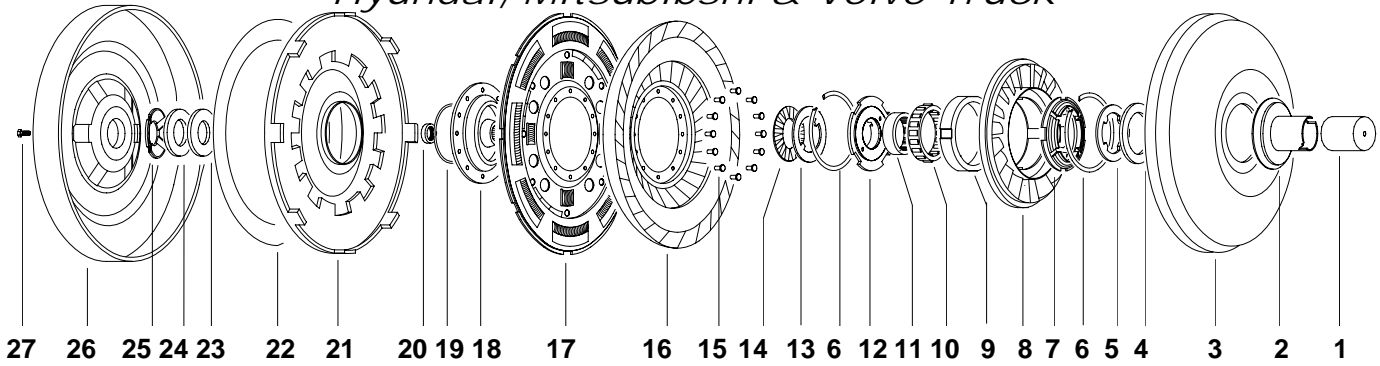
'87 Landcruiser

▷ DACCO #	TO-46
▷ ATC	TO46
▷ OTHER	94-2

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Black™, for 1-5/8" Dia. Hubs		MHC-B
2	Hub, Impeller Butt Mount, 1.652" Dia., For Landcruiser '88 & Up Flanged, Heat Treated, For Landcruiser '88 & Up Butt Mount, 1.652" Dia., For Landcruiser '92 & Up Flanged, Heat Treated, For Landcruiser '92 & Up		YH-1-8G YH-1-11FLG YH-1-7G YH-1-12FLG
3	Impeller		
4	*Race Thrust, Bearing, Cupped	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	*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-23-7
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
26	Spacer, Thrust Bronze		YW-9-5
27	Cover, Front		
N.I.	Bolt Hex Head, M8 × 1.25	6	YX-10-1

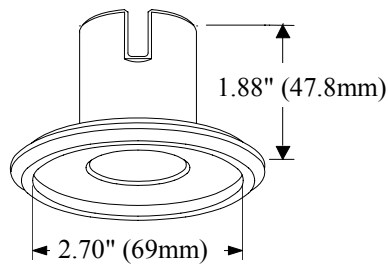
* Note: **YW-2-4** } Bearing and Race Kit **YW-2-3BK** or **YW-2-4** } Bearing **YW-2-16**, See Pages 11-20, 11-21
JW-2ND }
YW-2-6 }

TOYOTA A-340H, Hyundai, Mitsubibshi & Volvo Truck

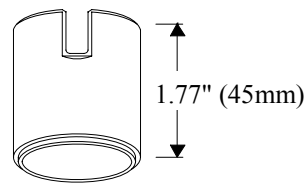


ILL. #2

IMPELLER HUB, 1.499" (38mm) DIA.



YH-1-55FLG



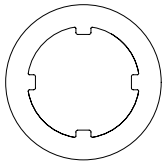
YH-1-3G

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)

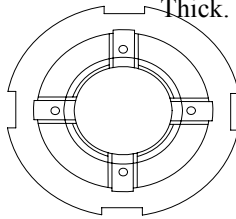


YW-2-8

ILL. #12

STATOR CAP

O.D. 3.34" (85mm)
I.D. 1.28" (32.5mm)
Thick. .40" (10mm)

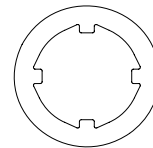


YW-4-7

ILL. #13

RACE

O.D. 2.30" (58mm)
I.D. 1.58" (40mm)
Thick. .08" (2mm)

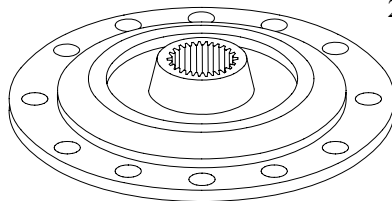


YW-2

ILL. #18

TURBINE HUB

O.D. 4.41" (112mm)
26 Spline



YX-13-7HT

TOYOTA A-340H,

Hyundai, Mitsubishi & Volvo Truck

▷ DACCO # TO-28, TO-27, TO-34, TO-35, TO- 40

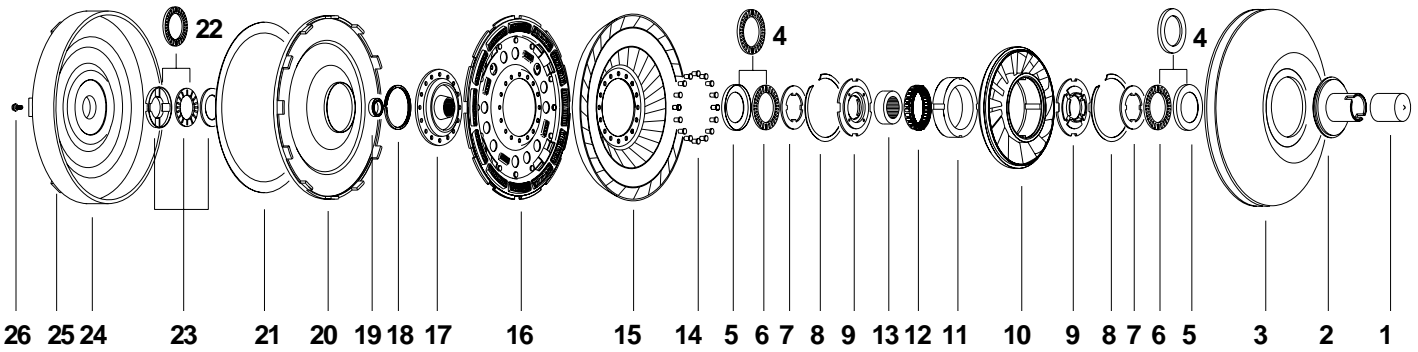
▷ ATC J30

▷ 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, PTFE®, Scarf Cut		YO-25-1
20	Seal, Metal Clad 15mm x 23.6mm		YO-25-2
21	Lockup Clutch		YX-23-13
22	Lining, Cover 10 1/8" O.D., 8-1/4" I.D., .045" Thick		YX-23-8
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
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 11-20, 11-21

TOYOTA A540E



ILL. # 2 IMPELLER HUBS 1.499" (38mm) DIA.

YH-1-44FLG **YH-1-5G**

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

ILL. # 9 STATOR CAP

O.D. 3.10" (78.7mm)
I.D. 1.27" (32.3mm)
Thick. .40" (10.2mm)

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-2-4 **JW-2ND** **YW-2**

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

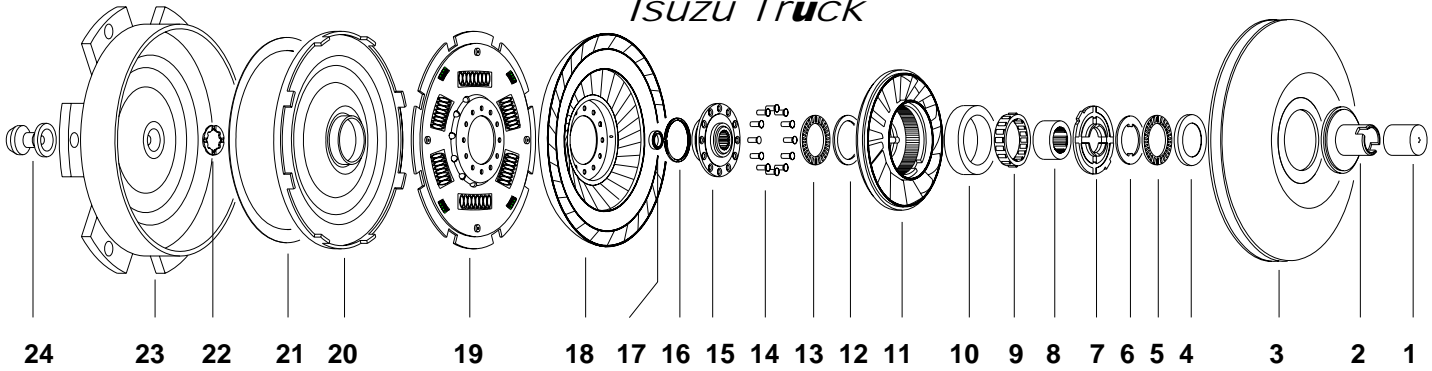
ILL.#		DESCRIPTION	QTY.	PART #
1	Hubcap®	Green™, For 1-1/2" Dia. Hubs		MHC-G
2	Hub, Impeller	1.499" Dia., Flanged 1.499" Dia., Butt Mount		YH-1-44FLG YH-1-5GRC
3	Impeller			
4	Bearing	Semi-Enclosed, Replaces YW-2-4, JW-2ND 61.88mm O.D., 38.00mm I.D., .15mm Thick.	2	YW-2-16
5	*Retainer	Bearing, Cupped 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, PTFE®, Scarf Cat		YO-25-1
19	Seal, Metal Clad	15mm x 23.5mm		YO-25-2
20	Lockup Clutch			
21	Lining	9-9/32" O.D., 7-7/8" I.D., .045" Thick		JX-23-8
<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-9-7
	Washer, Turbine	Replaces YW-9-4K , Phenolic, 58mm O.D., 28mm I.D., 6mm Thick		YW-9-4B
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**

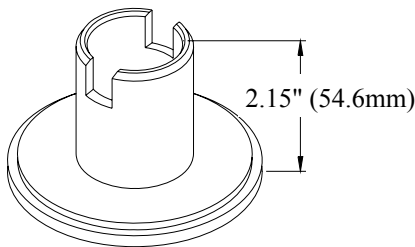
** Note: **YW-9-6** Bearing & **YW-9-7** Race Replace **YW-9-4K**

AISIN AW 450-43LE

Isuzu Truck



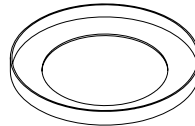
ILL. # 2 IMPELLER HUB, 1.653" (42mm) DIA.



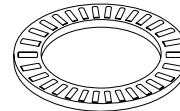
YH-1-14FLG

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

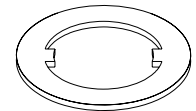
O.D. 2.73" (69mm)	O.D. 2.66" (68mm)	O.D. 2.59" (57mm)
I.D. 1.83" (46mm)	I.D. 1.83" (46mm)	I.D. 1.78" (45mm)
Thick. .03" (0.8mm)	Thick. .14" (3.6mm)	Thick. .10" (2.5mm)



YW-2-12



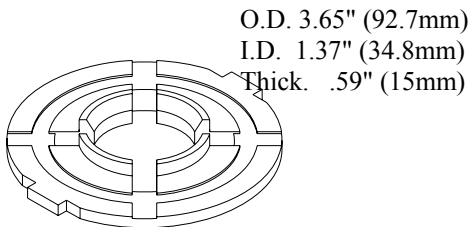
YW-2-11



YW-2-13

ILL. #7

STATOR CAP

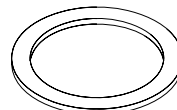


YW-4-12

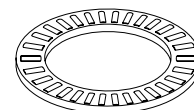
ILL. #12,13

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)



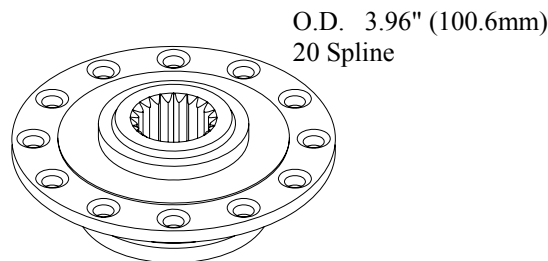
YW-2-14



YW-2-15

ILL. #15

TURBINE HUB



YX-13-12HT

AISIN AW 450-43LE

Isuzu Truck

▶ DACCO # TO-67, TO-77




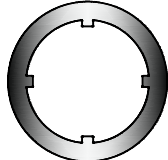
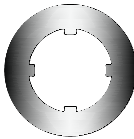
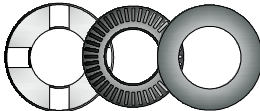

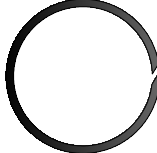

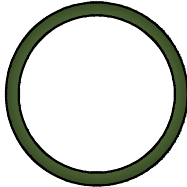
▶ AXIOM TO61

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 PTFE®, 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-23-17
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
22	Washer, Turbine Bronze		
23	Cover, Front		
24	Front Cover Pilot		

AISIN AW 55-50SN

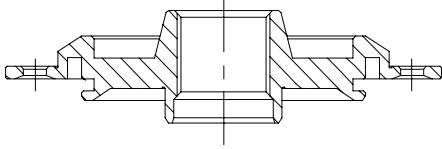
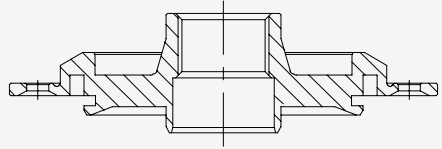
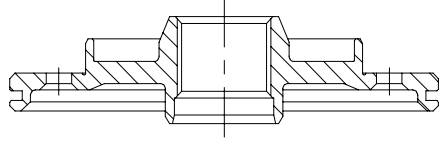
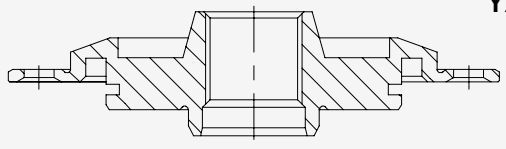
RE5F22A NISSAN, RENAULT, SAAB, VOLVO

▷ DACCO # TO-86

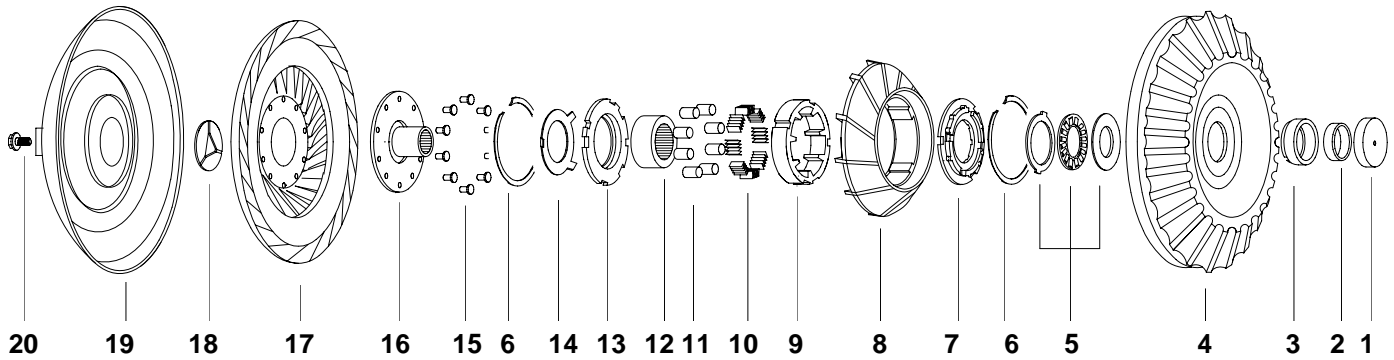
	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hub, Impeller	Butt style, 2 slots, Heat Treated	O.D. 1.500" / 38.1mm Height 1.500" / 38.1mm		YH-1-15GRC Butt Style / YH-1-16FLG, Flanged Hub
Bearing,	Semi-Enclosed	O.D. 3.44" / 87.4mm I.D. 2.43" / 61.7mm Thick. .13" / 3.3mm		YW-2-18 (Kit YW-2-18K includes YW-2-18 & 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	15mm x 23.63mm x 5		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

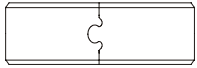
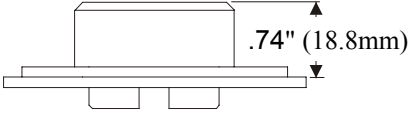
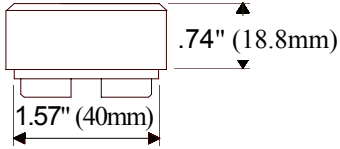
Items not yet in stock are in production planning.
Your Tri Component representative will advise
availability as per your requirements. Your suggestions
for additional items will be directed to engineering.

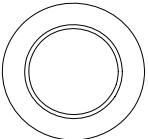
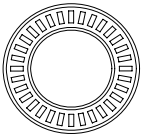
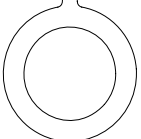

TOYOTA, Parts Not Cataloged Elsewhere

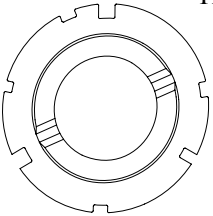
APPLICATION	DESCRIPTIO	DIMENSIONS	ILLUSTRATION	PART #
TURBINE HUBS				
For Toyota A-540E , TO-42 Camry, Mitsubishi, Magnum	26 Spline 16 Rivet Holes	4.09" (25.5mm) O.D. 1.025" (1.0mm) High		YX-13-8HT
For Mitsubishi MF 1999-2000	20 Spline 16 Rivet Holes (Use YO-25-6 Metal Clad Seal)	4.09" (104mm) O.D. 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

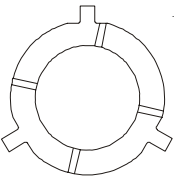
VOLKSWAGEN 010

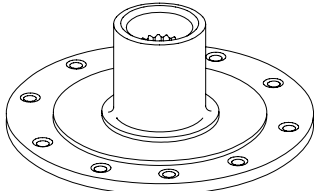


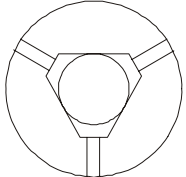
<p>ILL.# 2 BUSHING</p> <p>O.D. 1.46" (37mm) I.D. 1.34" (34mm) Height .47" (12mm)</p>  <p>VB-18</p>	<p>ILL.# 3 IMPELLER HUB, 1.653" (42mm) DIA.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>VH-1FLG</p> </div> <div style="text-align: center;">  <p>VH-1G</p> </div> </div> <p style="text-align: center;"><i>Suffix Code: No Suffix - Unfinished,</i></p>
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ILL.# 5 BEARING KIT		
<p>O.D. 2.35" (60mm) I.D. 1.75" (44mm) Thick. .04" (1.0mm)</p>  <p>FW-2-3</p>	<p>O.D. 2.36" (60mm) I.D. 1.57" (40mm) Thick. .12" (3.0mm)</p>  <p>JW-2N/ND</p>	<p>O.D. 2.48" (63mm) I.D. 1.71" (43mm) Thick. .04" (1.0mm)</p>  <p>FW-2-4</p>
 <p>FW-2BK</p>		

ILL.# 7, 13 STATOR CAP
<p>O.D. 3.15" (80mm) I.D. 1.57" (40mm) Thick. .24" (6.1mm)</p>  <p>VW-4AB</p>

ILL.# 14 BRONZE WASHER
<p>O.D. 2.56" (65mm) I.D. 1.75" (44mm)</p>  <p>VW-3, .05" (1.3mm) Thick VW-3-080, .08" (2mm) Thick</p>

ILL.# 16 TURBINE HUB
<p>O.D. 3.03" (77mm) Height 1.41" 35.8mm 26 Spline</p>  <p>VX-13HT</p>

ILL.# 18 WASHER
<p>O.D. 1.74" (44.2mm) I.D. .65" (16.5mm) Thick. .08" (2.0mm)</p>  <p>VW-9-3</p>

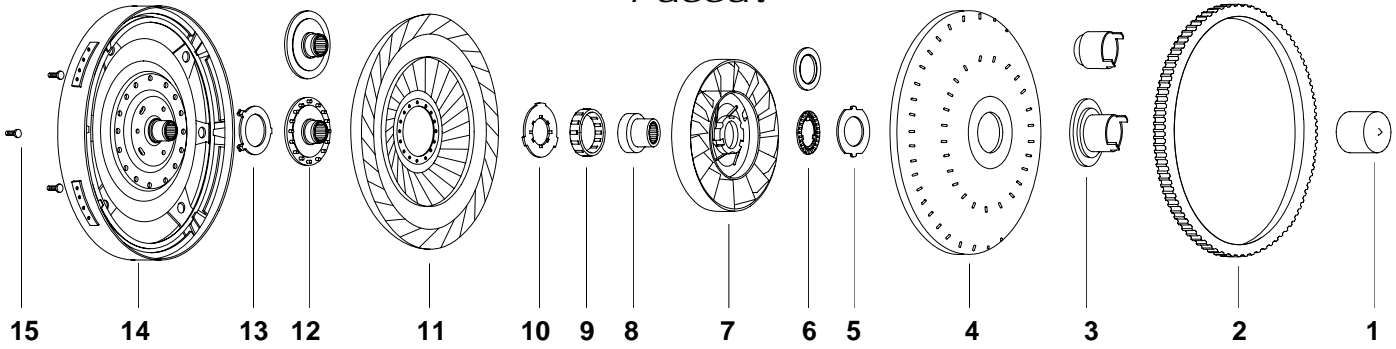
VOLKSWAGEN 010

▶ 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-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 Bronze, 3 Lugs, 2.56" O.D., 1.75" I.D., .08" Thick	VW-3 VW-3-080
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 Replaces Triangle, 1.74" O.D., .65" I.D., .08" Thick	VW-9 VW-9-3
N.I.	Insert, Spline	Pump Drive, 12 Spline	VX-23
19	Cover, Front		
N.I.	Pilot	Unfinished	FX-17-30
20	Bolt		

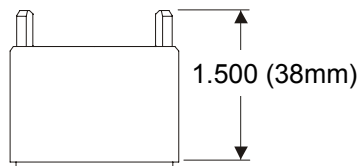
VOLKSWAGEN 095,096

Passat



ILL. # 3

IMPELLER HUB, 2.006" (51mm) DIA.

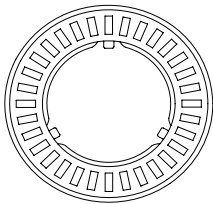


VH-1-3GRC

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

ILL. # 6

BEARING

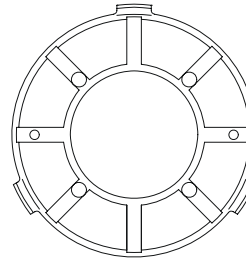


Replaced by **TW-2-4**

O.D. 2.82" (71.6mm)
I.D. 1.90" (48.3mm)
Thick. .15" (3.81mm)

ILL. # 10

STATOR CAP

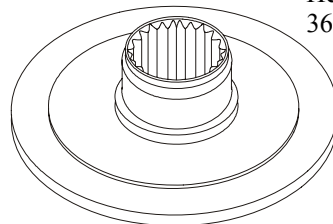


VW-4-5

O.D. 3.15" (80.0mm)
I.D. 1.64" (41.7mm)
Thick. .15" (3.8mm)

ILL. # 12

TURBINE HUB



VX-13-3HT

O.D. 3.97" (100.8mm)
Height .86" (21.8mm)
36 Spline

VOLKSWAGEN 095, 096

Passat

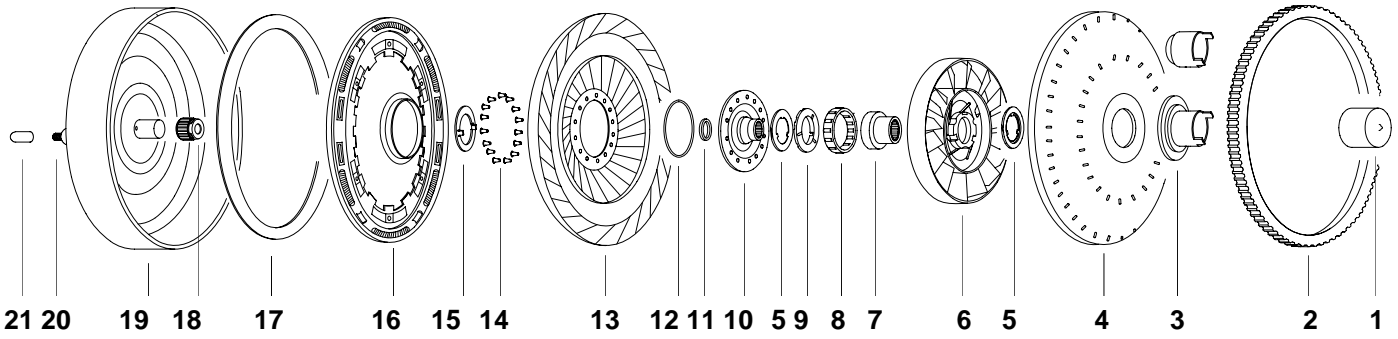
▶ DACCO # RE-8

▶ ATC VW17

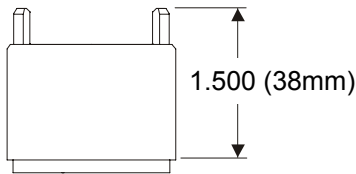
▶ OTHER 71-3

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 2.01" O.D., 1.96" I.D., .46" 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
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
13	Washer		
14	Cover Assembly With 24 Spline Damper		
15	Stud M10 x 1, 16mm Long	3	FX-10-9

VOLKSWAGEN 097, 098



ILL. # 3 IMPELLER HUB, 2.006" (51mm) DIA.

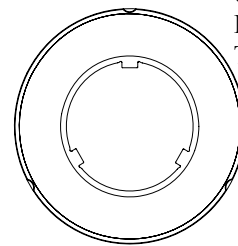


VH-1-3GRC

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

ILL. # 5

BEARING

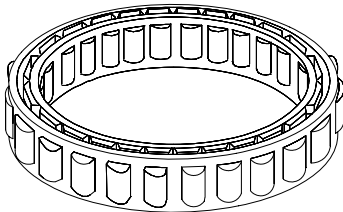


O.D. 2.90" (73.7mm)
I.D. 1.90"
Thick. .14"

Replaced by **TW-2-4**

ILL. # 8

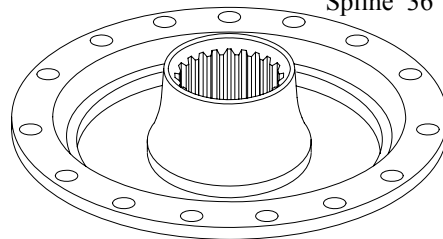
SPRAG



VC-6-1

ILL. # 10

TURBINE HUB

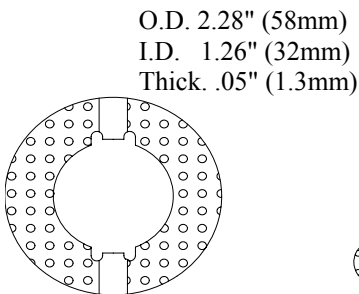


O.D. 4.33" (110mm)
Height 1.07" (27.0mm)
Spline 36

VX-13-4HT

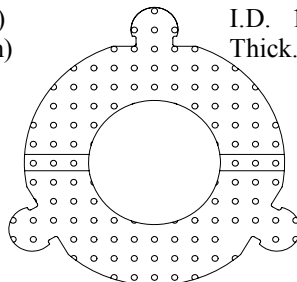
ILL. # 15

TURBINE WASHERS, BRONZE



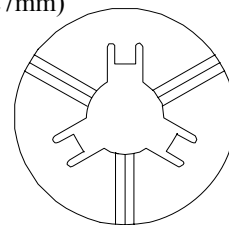
O.D. 2.28" (58mm)
I.D. 1.26" (32mm)
Thick. .05" (1.3mm)

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

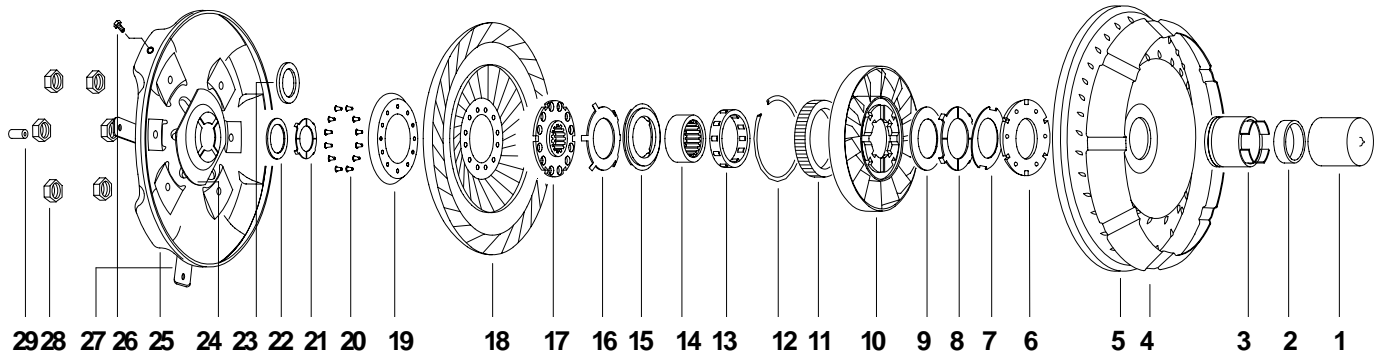
Passat

▷ DACCO #	RE-10
▷ ATC	VW20
▷ OTHER	119-1,119-2

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Red™, 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 2.01" O.D. , 1.96" I.D., .46" Thick., 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 OE Style, 3 Lugs		VW-9-5 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-23-2
<i>Add Suffix "X70" for .070" Thick, "K" for Kevlar®, "C" for Carbon, "HC" for High Carbon, "T" for Tan</i>			
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

NOTES

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 H=1.688" (43mm)	WH-1-3G	WH-1-9G	WH-1-7G	25 Internal Spline		
		WH-1-13G			WH-1-22G		
Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "RC"- Hardness Rc 32-36							

ILL. #7			STEEL WASHERS		
O.D. 3.00" (76mm)	O.D. 3.52" (89mm)	I.D. 1.87" (47mm)			
I.D. 1.87" (47mm)	I.D. 1.87" (47mm)	Length 3.41" (87mm)			
Thick. .043" (1.1mm)	Thick. .05" (1.3mm)				
WW-2-3	WW-2-1	WW-2-5 , .045" Thick			
		WW-2-5A , .063" Thick			

ILL. #8	THRUST WASHER
	O.D. 2.95" (75mm)
	I.D. 1.96" (48mm)
	Thick. .06" (1.5mm)
	TW-3-3

ILL. # 14			INNER RACES		
O.D. 2.15" (55mm)	O.D. 2.15" (55mm)	O.D. 2.15" (55mm)			
Height 1.03" (26mm)	Height 1.03" (26mm)	Height .94" (24mm)			
29 Spline, 10 Removed	19 Spline	19 Spline			
WX-14-1	WX-14-2	WX-14-3			

ILL. # 15	STATOR CAP
	O.D. 3.19"
	I.D. 1.94"
	Thick. .31"
	WW-4 WW-4B
	Aluminum Bronze

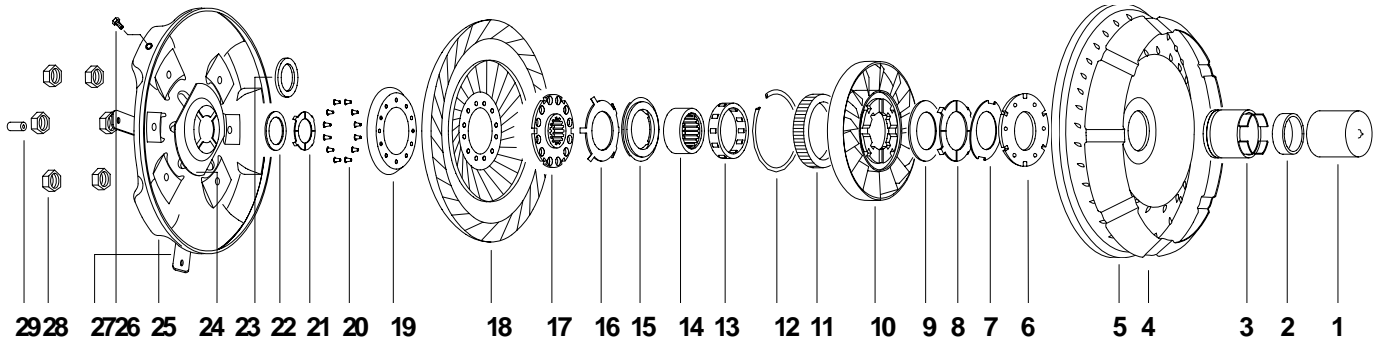
BORG WARNER 11" INDUSTRIAL

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap®	Red™, 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

Continued ➡

BORG WARNER 11" INDUSTRIAL

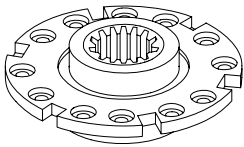
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ILL. # 17

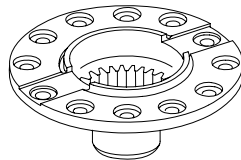
TURBINE HUBS

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



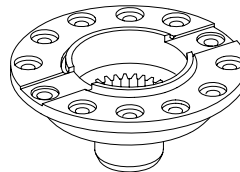
WX-13-5HT
15 Spline

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)



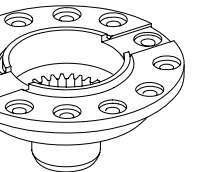
WX-13-7HT
17 Spline

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



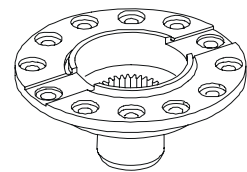
WX-13-8HT
29 Spline

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



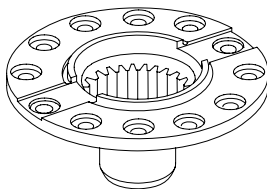
WX-13-6SHT
19 Spline

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



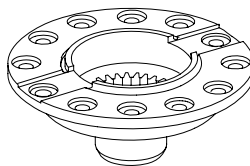
WX-13-9HT
26 Spline

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



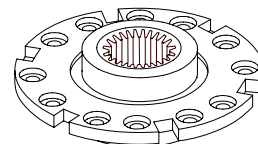
WX-13-12HT
37 Spline

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)

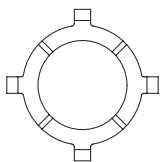


WX-13-14HT
20 Spline

ILL. # 21, 23

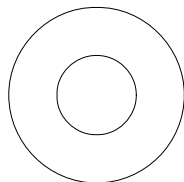
TURBINE WASHERS

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)



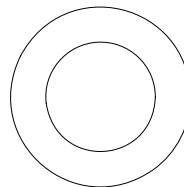
WW-9-7A
Thick .063"

WW-9-7B
Thick .080"

N.I.

REPAIR PLATE

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



WW-9-8
Steel

STRAP



WX-10-4

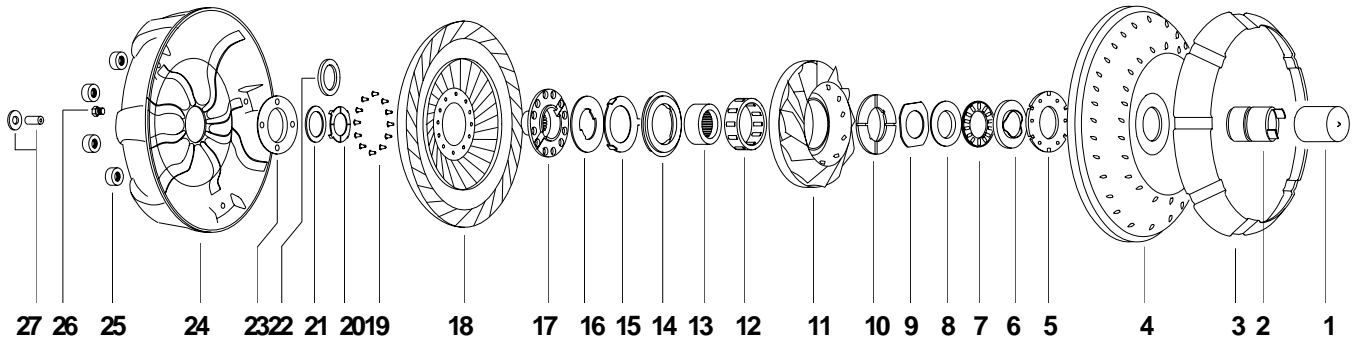
BORG WARNER 11" INDUSTRIAL

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		FX-11
		1/8 NPT, PTFE 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.
<p>WH-1-1G</p>	<p>WH-1-6G</p>	<p>WH-1-14G</p>	<p>WH-1-13G</p>
<p>Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "GRC"- Hardness Rc 32-36</p>			

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

ILL. #10,14 STATOR CAPS	
<p>O.D. 3.22" (82mm) I.D. 1.55" (39mm) Thick. .36" (9mm)</p> <p>WW-4-5</p>	<p>O.D. 3.19" (81mm) I.D. 1.23" (31mm) Thick. .49" (12mm)</p> <p>WW-4-6</p>

ILL. #15 BRONZE WASHERS	
<p>O.D. 2.90" (74mm) I.D. 1.75" (44mm) Thick. .06" (1.5mm)</p> <p>WW-3</p>	<p>O.D. 2.50" (63.5mm) I.D. 1.80" (45.7mm) Thick. .08" (2mm)</p> <p>CW-3</p>

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

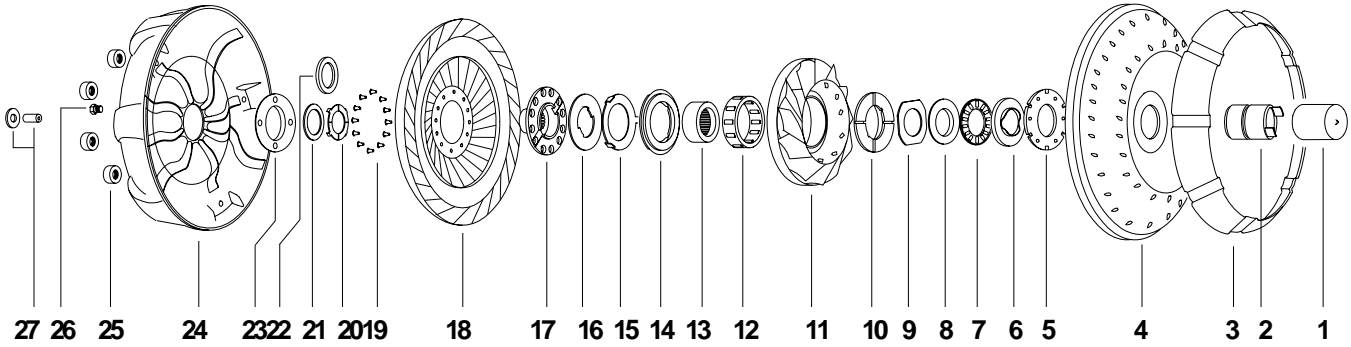
Model 8, 12 & 35, 65, Early Jaguar

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

Continued ➡

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

Models 8, 12 & 35, 65, Early Jaguar. Continued



ILL. # 16 WASHER

ILL. # 17 TURBINE HUBS

O.D. 3.81" ((96.8mm)

O.D. 3.81" ((96.8mm)

WX-13-7EHT, 17 Spline
WX-13-8EHT, 29 Spline

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

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-9-4
 Replaces Bronze

WW-9-3A **WW-9-3B**
 .06" Thick (1.5mm) .08" Thick (2mm)

ILL. # 26 DRAIN PLUGS

FX-11

FX-11A
 1/8-27NPT
 PTFE, BAND

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

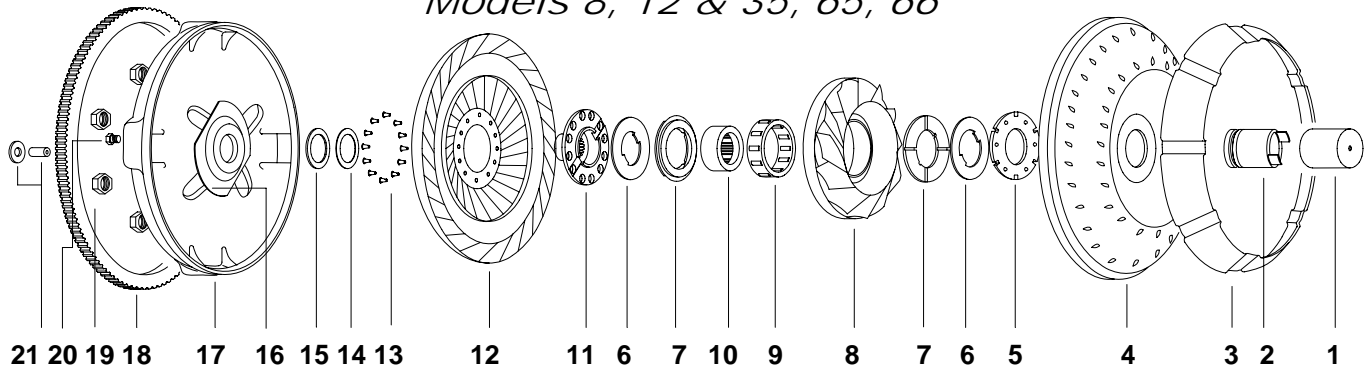
Model 8, 12 & 35, 65, Early Jaguar. Continued

ILL.#	DESCRIPTION	QTY.	PART #
16	Washer, Steel	2 Lugs, 3.00" O.D., 1.64" I.D., .043" Thick	WW-2
17	Turbine Hub	2 Lugs, 3.00" O.D., 1.99" I.D., .043" Thick	WW-2-3
		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
	Insert, Spline	29 Spline	WX-13-8EHT
		17 Spline	WX-13-17
		22 Spline	WX-13-22
		23 Spline	WX-13-23
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 Plastic) 2.98" O.D., 2.07" I.D., .068" Thick	WW-9-4
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. PTFE 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 1 Model 8, 12 & 35, 65, 66, Early Jaguar. Continued

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.
<p>WH-1-6G</p>	<p>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</p>	<p>WH-1-17G, 1.68" (42.7mm) High WH-1-5G, 2.08" (52.8mm) High</p>	
<p>Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "GRC"- Hardness Rc 32-36</p>			

ILL. #6	WASHERS
	<p>O.D. 3.00" (76.2mm) Thick .04" (1.0mm)</p> <p>WW-2, I.D. 1.64" (41.7mm) WW-2-3, I.D. 1.99" (50.5mm)</p>

ILL. #7	STATOR CAP
	<p>O.D. 3.19" (81mm) I.D. 1.94" (49mm) Thick .31" (7.9mm)</p> <p>WW-4</p>

ILL. #10	INNER RACES
	<p>O.D. 2.15" (54.6mm) O.D. 2.15" (54.6mm) Height 1.03" (26.2mm) Height 1.03" (26.2mm) 38 Spline, 29 Spline, 12 Removed 10 Removed</p> <p>WX-14</p> <p>WX-14-1</p>

ILL. #11	TURBINE HUBS
	<p>O.D. 3.45" (87.6mm) O.D. 3.45" (87.6mm) Height 1.22" (31mm) Height 1.45" (36.8mm)</p> <p>WX-13-3HT 22 Spline WX-13-9HT 26 Spline WX-13-10HT 23 Spline</p> <p>WX-13-7HT 17 Spline WX-13-8HT 29 Spline WX-13-13HT 27 Spline</p>

ILL. #14	TURBINE WASHERS
	<p>O.D. 2.13" (54mm) I.D. 1.27" (32.3mm)</p> <p>WW-9-7A WW-9-7B Thick .060" (1.5mm) Thick .085" (2mm)</p>

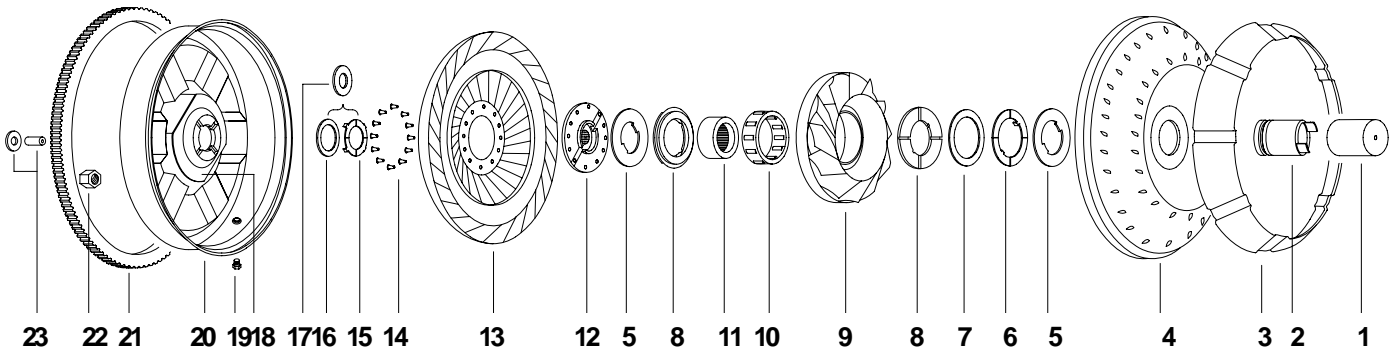
BORG WARNER 11" EXCEPT U.S.A. TYPE 2

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 14-10
3	Shroud			WX-19
4	Impeller			
5	Kit, Vane Plate, Hub	Angle "L" & "M", 31 Pcs.		WX-21-11K 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 14-10
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		FX-11
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.					
 2.812 (71.4mm)	 2.912 (74mm)	 2.675 (68mm)	 2.712 (69mm)	 2.088 (53mm)					
WH-1-1G		WH-1-4G		WH-1-AG		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. 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. 3.52" (89mm) I.D. 1.87" (47.5mm) Thick. .05" (1.3mm)				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"		 FW-3		 WW-4 , Aluminum WW-4B , Bronze
	 WW-2-1				 WW-4-3 , Aluminum

ILL. #11		INNER RACES	
		 O.D. 2.15" (54.6mm) Height 1.03" (26.2mm) 38 Spline, 12 Removed	 O.D. 2.15" (54.6mm) Height 1.03" (26.2mm) 29 Spline, 10 Removed
		WX-14	WX-14-1

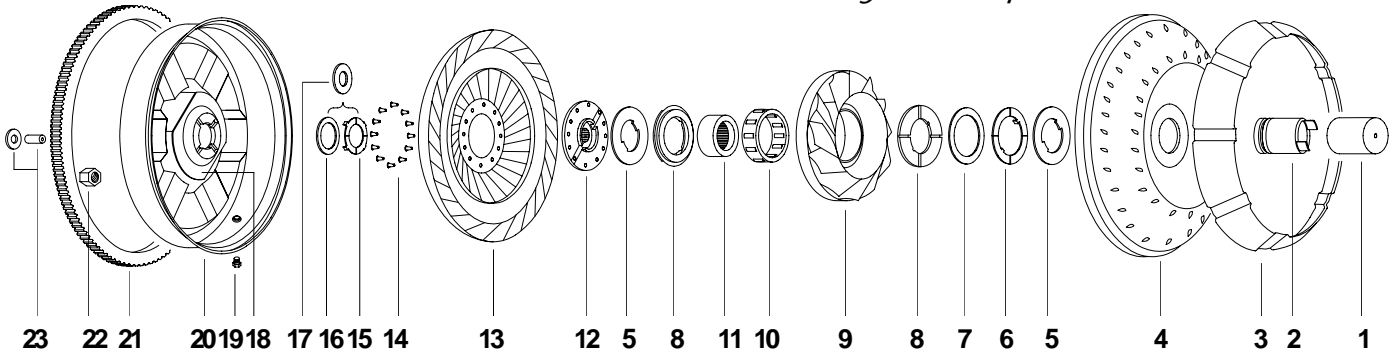
B.W. 11" MODELS 35, 01 & 10

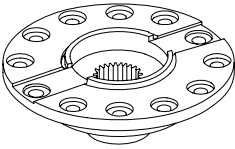
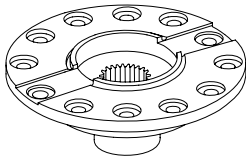
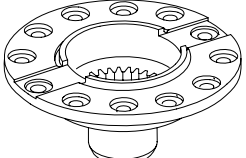
Rambler, Studebaker, Checker Cab, Willys, Jeep, International

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap®	Black™, For 1.685" Dia. Hub	MHC-B
		Yellow™, For 1.937" Dia. Hub	MHC-Y
2	Hub, Impeller	1.685" O.D., 2.81" High, For Rambler, Model 35	WH-1-1G
		1.685" O.D., 2.91" High	WH-1-4G
		1.685" O.D., 2.68" High	WH-1AG
		1.685" O.D., 2.71" High	WH-1-10G
		1.937" O.D., 2.08 High, For Rambler, Cast Iron, Models 01, 10	WH-1-5G
3	Shroud	6 Cylinder	WX-19
		8 Cylinder	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	WW-2
		Models 01, 10, 2 Lugs, 1.87" I.D., 3.00" O.D., .043" Thick	WW-2-3
		6 Tangs, 1.87" I.D., 3.06" O.D., .05" Thick	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	TW-2-10
		2.160" I.D., 2.950" O.D., .020" Thick	TW-2-20
		2.160" I.D., 2.950" O.D., .030" Thick	TW-2-30
8	Cap, Stator	Aluminum, 1.94" I.D., 3.19" O.D., .31" Thick	2 WW-4
		Bronze, 1.94" I.D., 3.19" O.D., .31" Thick	WW-4B
		Aluminum, (Use With FW-3)	WW-4-3
9	Stator		
10	Sprag	14 Cams	FC-6
		20 Cams	FC-6-1
11	Race, Inner	Model 35, 38 Spline (12 Removed), 2.15" O.D., 1.03" High	WX-14
		Model 01, 10, 29 Spline (10 Removed), 2.15" O.D., 1.03" High	WX-14-1

B.W. 11" MODELS 35, 01 & 10, Continued

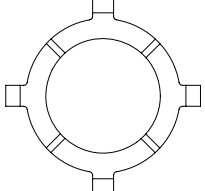
Rambler, Studebaker, Checker Cab, Willys, Jeep, International



ILL. # 12		TURBINE HUBS					
O.D. 3.45" (87.6mm) Height 1.00" (25.4mm)		O.D. 3.45" (87.6mm) Height 1.22" (31.0mm)			O.D. 3.45" (87.6mm) Height 1.49" (37.8mm)		
							
WX-13-1HT 22 Spline	WX-13-2HT 23 Spline	WX-13-4HT 26 Spline	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

ILL. # 15 TURBINE WASHER

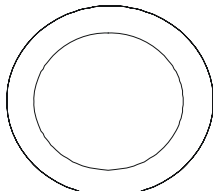
O.D. 1.85" (47mm)
I.D. 1.38" (35mm)
Thick. .06" (1.5mm)



WW-9

ILL. # 16 SHIM

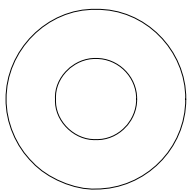
O.D. 1.91" (48.5mm)
I.D. 1.45" (36.8mm)
Thick.



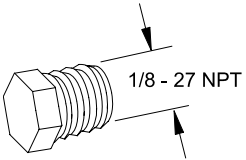
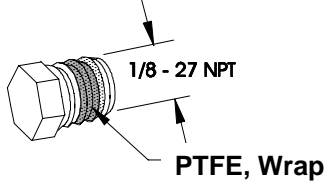
WW-9-1

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		

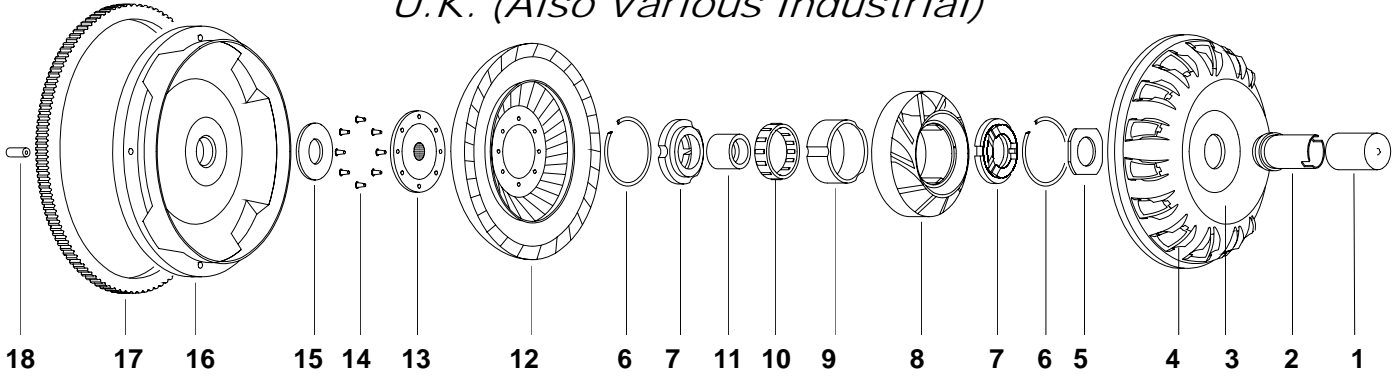
*B.W. 11" MODELS 35, 01 & 10, Continued
Rambler, Studebaker, Checker Cab, Willys, Jeep, International*

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

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

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.
<p>BH-1-1G, L=.690" (17.5mm) BH-1G, L=.450" (11.4mm) BH-1-2G</p>	<p>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)</p>
<p>Suffix Code: No Suffix-Unfinished, "G"- Finish Ground, "GRC"- Hardness Rc 32-36</p>	

ILL. # 5 STEEL WASHER O.D. 2.52" (64mm) I.D. 1.35" (34mm) Thick. .10" (2.54mm) <p>BW-2</p>	ILL. # 7 STATOR CAP O.D. 2.63" (67mm) I.D. 1.35" (34mm) Thick. .65" (16.5mm) <p>BW-4</p>	ILL. # 11 INNER RACE O.D. 1.63" (41mm) Height 1.25" (32mm) 38 Spline, 12 Removed <p>BX-14</p>
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ILL. # 13 TURBINE HUB O.D. 3.66" (93mm) Height .72" (18mm)	ILL. # 15 TURBINE WASHER O.D. 2.63" (67mm) I.D. 1.35" (34mm)												
<table border="1"> <thead> <tr> <th>Part #</th> <th>BX-13HT</th> <th>BX-13-1HT</th> <th>BX-13-2HT</th> <th>BX-13-3HT</th> <th>BX-13-4HT</th> </tr> </thead> <tbody> <tr> <td>Spline</td> <td>22</td> <td>21</td> <td>23</td> <td>24</td> <td>26</td> </tr> </tbody> </table>	Part #	BX-13HT	BX-13-1HT	BX-13-2HT	BX-13-3HT	BX-13-4HT	Spline	22	21	23	24	26	<p>BW-9A BW-9B Thick. .62" (16mm) Thick. .82" (21mm)</p>
Part #	BX-13HT	BX-13-1HT	BX-13-2HT	BX-13-3HT	BX-13-4HT								
Spline	22	21	23	24	26								

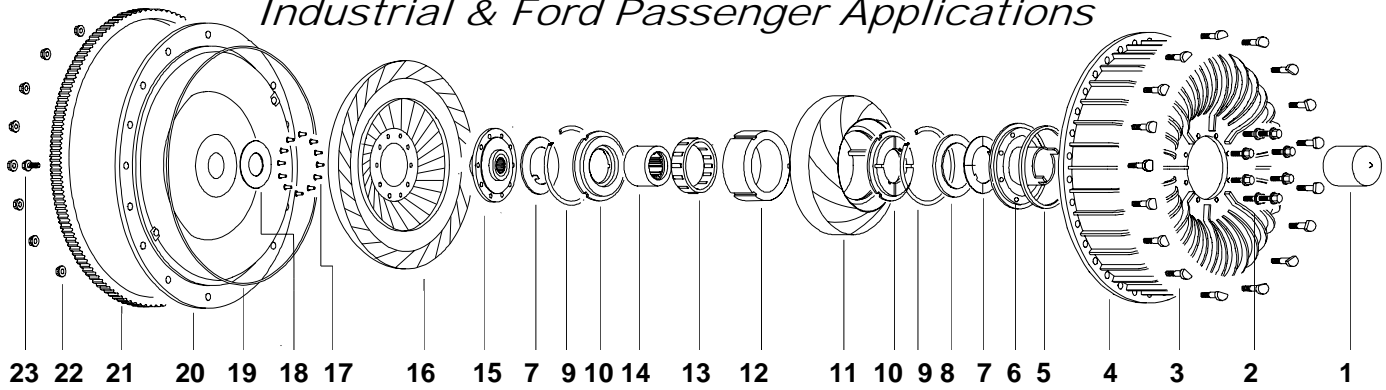
B.W. 9-1/2" MODELS 35, 45 & 55

U.K. (Also Various Industrial)

ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap® Green™, For 1.500" Dia. Hubs Black™, For 1.685" Dia. Hubs		MHC-G MHC-B
2	Hub, Impeller W/2 Lugs W/2 Lugs, For Saab Use Bushing BB-18 , (Hub Has 4 Internal Grooves), For BLMC Slotted, For Model 45 Slotted, Butt Mount W/Pilot Dia. Slotted, For Model 55 Slotted, For Model 55 Slotted, For Model 55		BH-1G BH-1-1G BH-1-2G BH-1-3G BH-1-4G YH-1-3G 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 21 Spline (For C-3 Conversion) 23 Spline 24 Spline 26 Spline Insert, Spline 22 Spline 23 Spline 26 Spline		BX-13HT BX-13-1HT BX-13-2HT BX-13-3HT BX-13-4HT WX-13-22 WX-13-23 WX-13-26
14	Rivet .214" Shank Dia., .31" Long	8	FX-12
	Rivet .214" Shank Dia., .38" Long	8	FX-12L
15	Washer, Turbine Fibre, Standard, 2.48" O.D., 1.12" I.D., .062" Thick Oversize, 2.48" O.D., 1.12" I.D., .082" Thick		BW-9A BW-9B
16	Cover, Front		
17	Ring Gear 110 Teeth, Ford, 10.150" I.D. 115 Teeth, Hillman, Sunbeam 120 Teeth, BLMC 1800, Kimberly, Etc. 132 Teeth, Ford 135 Teeth, Ford Capri, Etc.		RG-110BA RG-115B RG-120B RG-132B RG-135B
18	Pilot Unfinished, 1.440" Long Unfinished, .890" Long		WX-17-19X FX-17-30

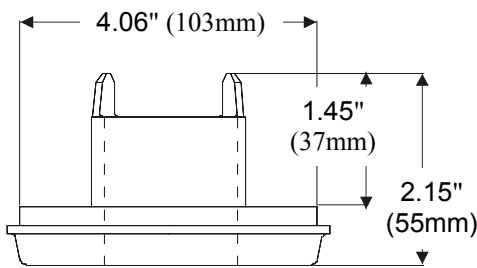
BORG WARNER BOLTED ALUMINUM

Industrial & Ford Passenger Applications

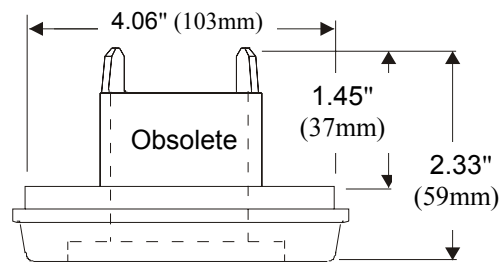


ILL. #6

IMPELLER HUBS, 1.937" (49mm) DIA.



FH-1-7

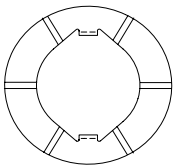


FH-1-7K (Not Shown)
Replaces Recessed Type

ILL. #7

WASHER

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

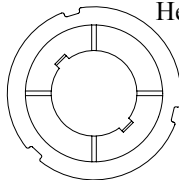


FW-3 Thick. .08" (2.0mm)
FW-3DW Thick. .06" (1.5mm)

ILL. #10

STATOR CAP

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

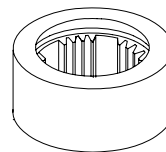


FW-4

ILL. #14

INNER RACE

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

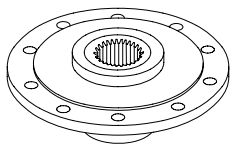


FX-14

ILL. #15

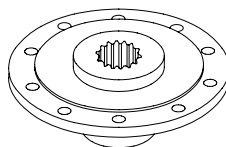
TURBINE HUBS

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)

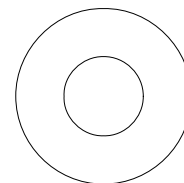


FX-13-8HT
17 Spline

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)

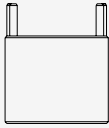
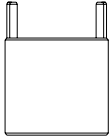
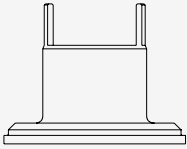
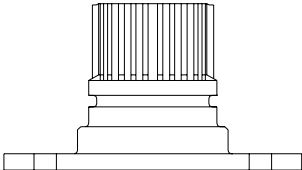
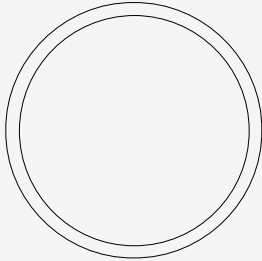
BORG WARNER BOLTED ALUMINUM

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-1-7
		Bolt-In, Recessed Back, Replaced By Updatede 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	Square Cut O-Ring		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, PTFE Wrap	2	FX-11A

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

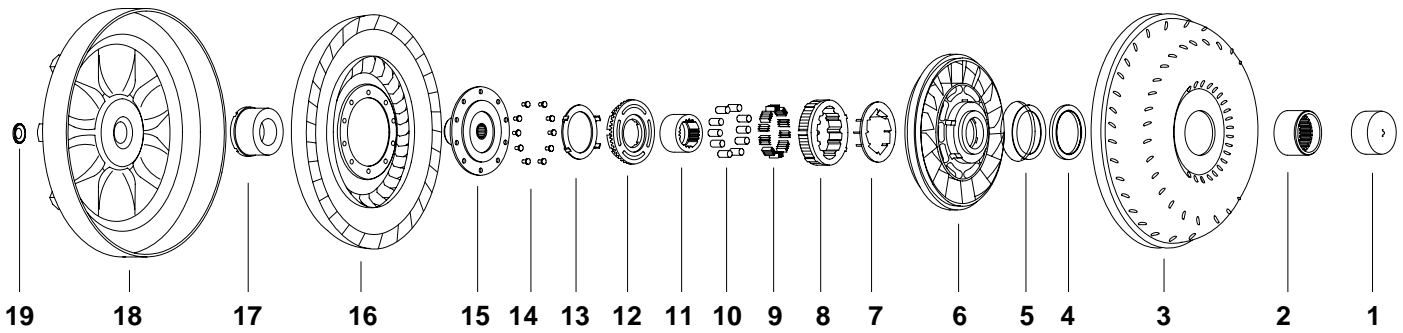
BTR

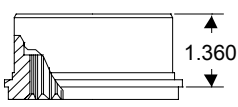
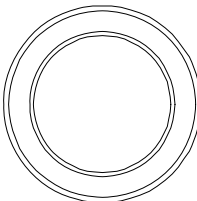
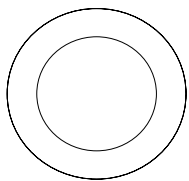
APPLICATION	DESCRIPTION	DIMENSIONS	ILLUSTR.	PART #	
Hub Impeller	BTR 85LB	2 Lugs	1.809" (46mm) O. D., 1.780" (45mm) High		WH-1-18G
Hub Impeller	BTR LE93	2 Lugs	1.809" (46mm) O. D., 2.065" (52mm) High		WH-1-20G
<i>Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "GRC" - Hardness Rc 32-36</i>					
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-23-13
<i>Suffix Code: Add Suffix X70 For .070" Thickness, "K" For Kevlar®, "C" For Carbon</i>					

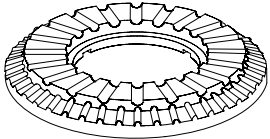
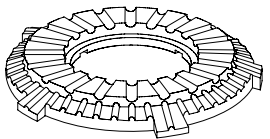
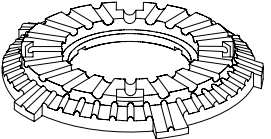
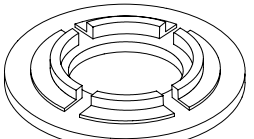
Additional BTR Parts Can Be Supplied As Required.

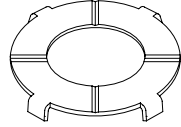
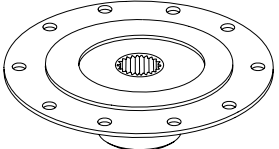
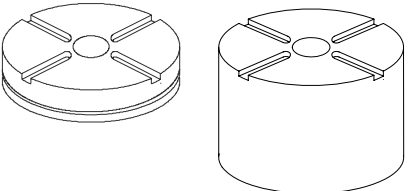
BORG WARNER INDUSTRIAL 310mm

Lockup & Non-Lockup



<p>ILL. #2 IMPELLER HUB, 2.500" DIA.</p> <p>25 Internal Spline</p>  <p>WH-1-22G</p> <p>Suffix Code: No Suffix-Unfinished, "G"-Finish Ground, "RC"- Hardness Rc 32-36</p>	<p>ILL. #4 BEARING</p>  <p>O.D. 3.28" I.D. 2.39" Thick. .25"</p> <p>SW-2-12</p>	<p>ILL. #5 SHIM</p>  <p>O.D. 2.95" I.D. 2.40"</p> <p>SW-2-210, .010 Thick SW-2-220, .020 Thick</p>
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ILL #12 STATOR CAPS AND BEARING ADAPTER			
<p>O.D. 3.74" I.D. 1.71" Thick. .49"</p>  <p>SW-4-19 OE Design</p>	<p>O.D. 3.74" I.D. 1.71" Thick. .49"</p>  <p>SW-4-19A 5 Lug Design</p>	<p>O.D. 3.74" I.D. 1.71" Thick. .43"</p>  <p>SW-4-19B Use w/TW-3-3 Washer</p>	<p>Alternate O.D. 3.75" I.D. 1.70" Thick .47"</p>  <p>WW-4-8 Use w/SW-2-12 Bearing</p>

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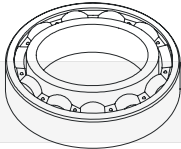


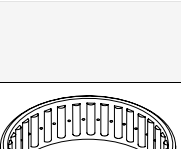
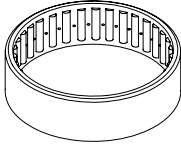
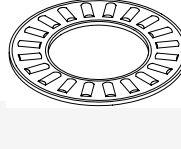
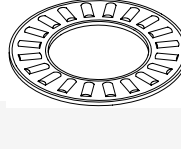
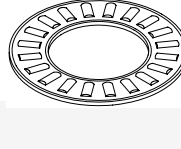
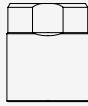
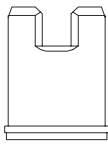
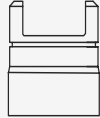
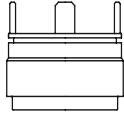
BORG WARNER INDUSTRIAL 310mm

Lockup & Non-Lockup

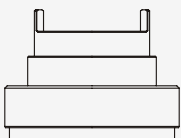
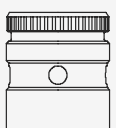
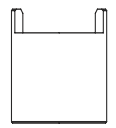
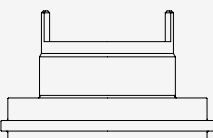
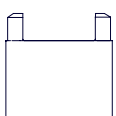
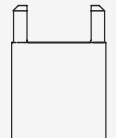

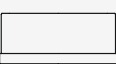
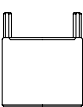
ILL.#	DESCRIPTION	QTY.	PART #
1	Hubcap®		
2	Hub, Impeller 2.50" Dia., 25 Internal Spline		WH-1-22G
3	Impeller		
4	Bearing Enclosed		SW-2-12
5	Shim Use Under SW-2-12, .010" Thick.		SW-2-210
			SW-2-220
			SW-2-230
6	Stator		
7	Retainer, Spring 3.12 x 3.12, .49 High		SX-15B
8	Cam Stator		SX-15A
9	Spring, 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., 1.03" 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-2-12		WW-4-8
13	Washer, Bronze With 4 Lugs		TW-3-3
14	Rivet .214" Shank Dia., .31" Long	10	FX-12
	.214" Shank Dia., .38" Long	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 # 1-38 for Pilot Description</i>		

BORG WARNER Industrial 310mm, Non-Lockup

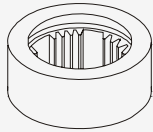
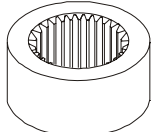
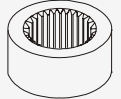
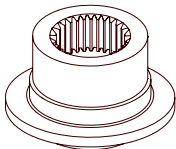
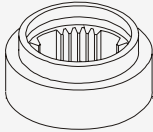
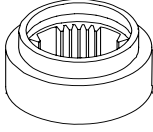
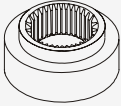
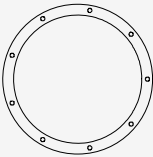

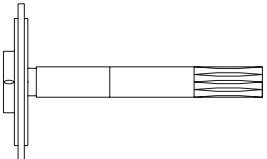
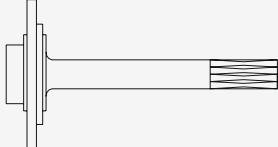
INDUSTRIAL, Not Cataloged Elsewhere

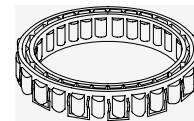
	APPLICATION	DESCRIPTION	DIMENSIONS	ILLUSTR.	PART #
BEARINGS					
Ball Bearing	Japanese Industrial	7 Balls	52mm O.D., 20mm I.D., 15mm High		MB-6304
Ball Bearing	Komatsu	9 Balls	85mm O.D., 45mm I.D., 19mm High		MB-6209
Ball Bearing	Japanese Industrial	10 Balls	90mm O.D., 50mm I.D., 20mm High		MB-6210
Ball 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	4.000" O.D., 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-1TCMG
Hub, Impeller	TCM Industrial	2 Lugs	1.968" O.D., 2.75" High Lugs: .39" Wide & .63" High		MH-1TCMLG
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

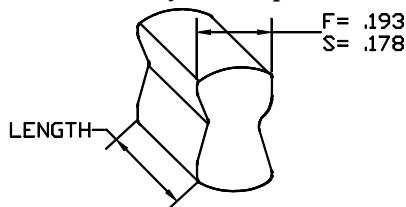
INDUSTRIAL, Not Cataloged Elsewhere

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



APPLICATION	DESCRIPTION	DIMENSIONS	PART #
SPRAGS			
9-1/2" Borg Warner	14 Cams # F-315 2 Inside Strips	2.281"×1.625"×.530"	BC-6
Borg Warner, Fichtel & Sachs	20 Cams # F-407 2 Inside Strips Replaced By FC-6-10	2.812"×2.156"×.625"	FC-6-1
Borg Warner, Fichtel & Sachs	20 Cams # F-395 5 Outside Clips, 3 Inside Strips Replaced By FC-6-10	2.812"×2.156"×.625"	FC-6-3
Borg Warner, Fichtel & Sachs	20 Cams # F-407 10 Outside Clips, 3 Inside Strips Replaced By FC-6-10	2.812"×2.156"×.625"	FC-6-4
Borg Warner, Fichtel & Sachs	22/24 Cams # F-407 10 Outside Clips, 2/3 Inside Strips Replaced By FC-6-10	2.812"×2.156"×.625"	FC-6-9
Borg Warner, Fichtel & Sachs	24 Cams # F-395 12 Outside Clips, 3 Inside Strips	2.812"×2.156"×.625"	FC-6-10
<i>The Most Advanced And Rugged Sprag Ever Offered</i>			
Mazda	26 Cams # F-240 / S-240	2.820" x 2.410" x .450"	JC-6-2
Japanese Industrial	24 Cams # S-532 12 Outside Clips	2.804" x 2.148" x .810"	MC-1
Japanese Industrial	30 Cams # F-585 15 Outside Clips	3.499" x 2.843" x .825"	MC-2
Japanese Industrial	26 Cams # F-760 13 Outside Clips	3.00" x 2.344" x 1.000"	MC-3
Japanese Industrial	22 Cams # S-532 11 Outside Clips	2.614" x 1.958" x .732"	MC-4
Japanese Industrial, Nissan	22 Cams # S-532	2.540"×1.870"×.730"	MC-5
Japanese Industrial "Morse" Type	Garter Spring Type, Replaced by Tri Component Upgrade MC-6 w/26 Cams # F-395 , 13 Outside Clips, Double Cage	2.925"×2.250"×.600" Reuse End Washers	MC-6
Volkswagen	22 Cams # F-295 , 4 Outside Clips 4 Outside Clips	2.61"×1.93"×.46"	VC-6-1
Jatco	22 Cams # S-315	2.45"×1.87"×.51"	YC-6


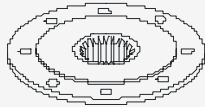
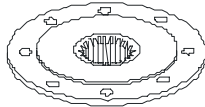
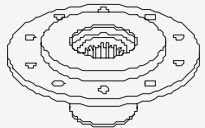
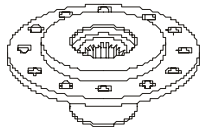
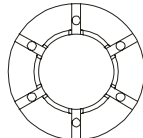
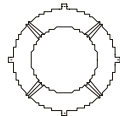
Sprags Are Economically Rebuildable By Tri Component. All Cores Should Be Saved For Rebuild Or Purchase By Tri Component. Call your Tri Pro For Other Sprag Components.



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	DESCRIPTION	DIMENSIONS	ILLUSTR.	PART #	
STRAP					
Strap	"Velvet Drive"			FX-10-8	
TURBINE HUBS					
Turbine Hub	Borg Warner 9-1/2" Industrial	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-1-7	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

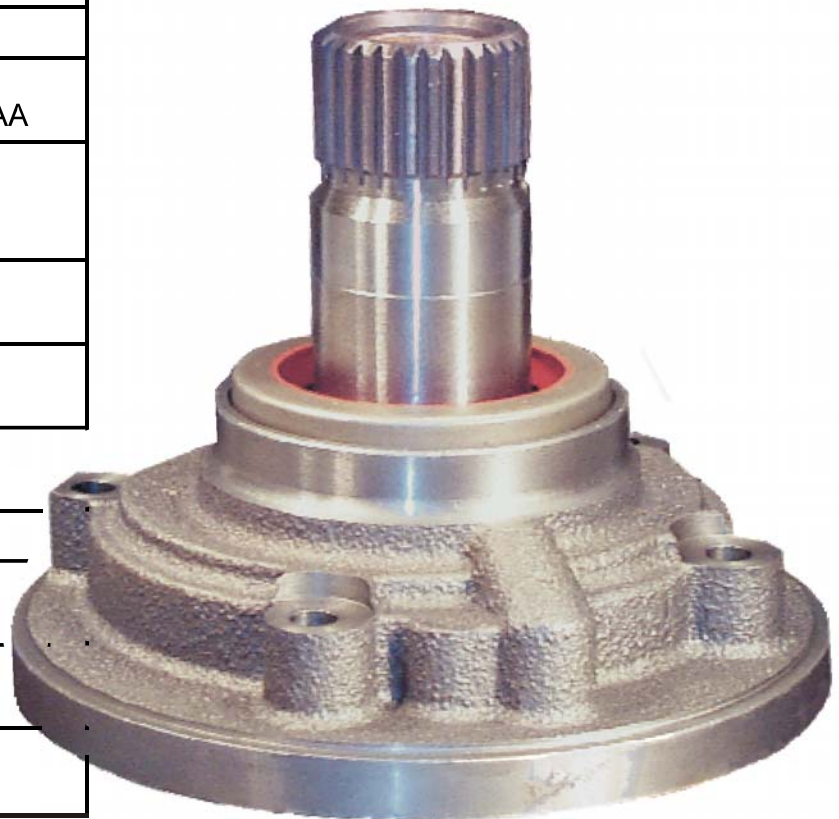
NOTE #3

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



BEARING KITS

PART #	APPLICATION	CONTENTS
FW-2BK	Ford, A4LD, Volkswagen	JW-2ND, FW-2-3, FW-2-4
HW-2BK	Mercedes	JW-2ND, JW-2-5, PW-2-3
JW-2-2	Jatco RL4FO2A, DA-11, Maxima RE4RO1A, DA18, DA-48 Pathfinder, Altima MPV, DA-28, DA-31	JW-4-11, TW-2-4
JW-2BK	Jatco DA-8, DA-8-20	JW-2ND, JW-2-6, JW-2-5
JW-9-8K	Mazda / Probe, Cover, DA-15,DA-15L/S, DA-16, DA-17	SW-2D, JW-9-8
JW-9-8KD	Mazda / Probe, Cover, DA-15,DA-15L/S, DA-16, DA-17	JW-9-8D, SW-2-30, SW-2D
NW-9-1K	Honda Lockup, Cover	NW-9-1A, NW-9-1B, NTA-1625
NW-9K	Honda Lockup, Cover	AX-2035, NW-9B
PW-2BK	Fichtel & Sachs, BM-12/25/27/29/64, ZF4-HP16/18/22/24/30, Chrysler JEEP A999	JW-2ND, PW-2-3, PW-2-4
RW-2-1K	Renault DPO, Peugeot A4L, Citroen	35400C, TW-2-10, RW-2-1R
SW-2-20K	GM 228mm Saturn	SW-2-11T, SW-2-20R
SW-2-2K	GM TH350	SW-2-4, SW-2-6, SW-2D
SW-2-3K	GM Non-Lockup, 254mm, TH125, TH250, TH350	SW-2-1, SW-2-4, SW-2-6
SW-2-3KHD	GM Non-Lockup, Heavy Duty, TH250, TH350	SW-2-1HD, SW-2-4K, SW-2-6
TW-2-12BK	Mitsubishi, CT-13, CT-15	FW-2-4, NW-2, TRA-2840, HW-2-10
TW-2-12K	Mitsubishi, CT-13, CT-15	TW-2-12, TW-2-13
TW-2-14K	Mitsubishi, CT-13, CT-15	TW-2-14, TW-2-15
TW-2-5K	Mitsubishi, CT-13, CT-15	TW-2-5, TW-2-6
WW-2BK	Borg Warner 11" Models 8, 12, 35, 65, Early Jaguar	SW-2-1, WW-2-8, BW-2-1
YW-2-3BK	Toyota Land Cruiser A-440-L, TO-46	YW-2-4, YW-2-6, JW-2ND
YW-2BK	Toyota Land Cruiser A-440-L, TO-46	YW-2, YW-2-4, JW-2ND

BEARINGS & RACES

Listed In Order Of Ascending O.D.

BEARING #	APPLICATION	DESIGN	O. D.	I. D.	THICK.	RACE #
NW-9	Honda, Lockup	Semi-Enclosed	1.37	0.80	0.110	NW-9B
NW-9-1	Honda, Lockup	Semi-Enclosed	1.61	0.91	0.110	NW-9-1B
JW-9-3	Subaru	Exposed	1.74	1.13	0.078	
NTA-1828	General Purpose	Exposed	1.75	1.13	0.078	TRA-1828, TRB-1828
TW-2-5	Mitsubishi, KM-175 & 177 Non-Lockup CT-9	Enclosed	1.88	1.36	0.110	TW-2-6
TW-2-17	Mitsubishi, KM-175-5/177 Lockup, CT-12-1, CT-18. Late F4A42 & F4A43	Enclosed	1.93	1.20	0.230	
NTA-2031	General Purpose	Exposed	1.94	1.25	0.078	TRA-2031, TRB-2031
HW-2-1	Mercedes 5 Speed, MC-18, MC-19	Enclosed	2.02	1.31	0.160	
PW-2-7	F. & S. 5 Speed, ZF5HP30, BM-29, BMW 5401, 1993	Exposed	2.04	1.38	0.080	PW-2-8, PW-2-9
NTA-2233	General Purpose	Exposed	2.06	1.38	0.078	TRA-2233, TRB-2233
NTA-2435	General Purpose	Exposed	2.17	1.50	0.078	TRA-2435, TRB-2435
SW-2	GM TH400, Allison AT540	Exposed	2.17	1.50	0.078	SW-2-6, SW-2-4

BEARINGS & RACES

Listed In Order Of Ascending O.D.

BEARING #	APPLICATION	DESIGN	O. D.	I. D.	THICK.	RACE #
SW-2D	Mazda, DA-15, 15L/S16	Exposed	2.17	1.50	0.078	JW-9-8, JW-9-9, SW-2-60
SW-2-1	BW 11", GM TH200, TH350, TH400, 254 mm	Exposed	2.18	1.50	0.130	SW-2-6, SW-2-4
PW-2-11	F. & S.	Enclosed	2.19	1.39	0.161	
SW-2-1HD	BW 11", GM TH200, TH350, TH400, 254 mm	Exposed	2.20	1.50	0.156	WW-2-8
TW-2-21	Mitsubishi, CT-27	Enclosed	2.24	1.30	0.230	
TW-2-14	Mitsubishi, CT-13,15	Semi- Enclosed	2.24	1.39	0.134	TW-2-15
FW-2-8	Ford 4R100 Late	Enclosed	2.29	1.54	0.143	
FW-2-6	Ford, E4OD, Intermediate & Late Designs	Enclosed	2.35	1.56	0.150	
JW-2N	Fichtel & Sachs, Toyota, Ford, Jatco	Exposed	2.36	1.57	0.118	FW-2-4/A, PW-2- 4, PW-2-3, JW-2- 5/T/TT
JW-2ND (FNT-4060)	Fichtel & Sachs, Toyota, Ford, Jatco	Exposed	2.36	1.57	0.125	FW-2-4/A, PW-2- 4, PW-2-3, JW-2- 5/T/TT
VW-2-3	F. & S. BMW (BABY, 318), 10", BM-12	Enclosed	2.36	1.58	0.110	
TW-9-13	Chrysler 9-1/2" Lockup A-470, A-670, A-604, FWD	Enclosed	2.40	1.07	0.170	

BEARINGS & RACES

Listed In Order Of Ascending O.D.

BEARING #	APPLICATION	DESIGN	O. D.	I. D.	THICK.	RACE #
JW-2-20	Jatco DA-20 Front, DA-28 Front	Enclosed	2.44	1.49	0.200	
35402B	Ford E4OD (First Type)	Enclosed, 3 I. D Tags	2.47	1.67	0.140	
NTA-2840	General Purpose	Exposed	2.50	1.75	0.078	TRA-2840, TRB-2840
SW-2-13	GM 350	Enclosed, I.D. Lip	2.50	1.66	0.175	
PW-2-10	Fichtel & Sachs ZF5HP24; Jaguar, BM-64	Enclosed	2.51	1.51	0.180	
TW-2-12	Mitsubishi, CT-13, 15	Semi- Enclosed	2.55	1.73	0.220	TW-2-13
JW-2-25	Jatco DA-21, DA-36	Enclosed	2.56	1.73	0.220	
YW-2-9	A-340H, Hyundai, Mitsubishi & Volvo Truck	Semi- Enclosed	2.56	1.65	0.150	
NW-2-1	Honda, Lockup	Exposed	2.56	1.70	0.190	
NW-2	Honda, Lockup	Exposed	2.56	1.77	0.160	FW-2-4
HW-2-3	Mercedes 5 Speed, MC-18, MC-19	Enclosed	2.59	1.73	0.200	
TW-9-6	Chrysler 10 3/4" Lockup	Enclosed	2.60	1.45	0.170	

BEARINGS & RACES

Listed In Order Of Ascending O.D.

BEARING #	APPLICATION	DESIGN	O. D.	I. D.	THICK.	RACE #
JW-2-17	Jatco, DA-30 Front & Rear	Enclosed, 6 Tangs	2.60	1.60	0.320	
TW-9-8	Chrysler 10 3/4" Lockup	Enclosed	2.60	1.49	0.170	
YW-2-15	Aisin AW	Semi- Enclosed	2.61	1.84	0.150	YW-2-14
JW-2-27	Jatco RE4RF04A/V	Enclosed	2.63	1.74	0.195	
JW-2-22	Mazda, DA-24,29 Late	Semi- Enclosed	2.64	1.89	0.120	JW-2-21
35403B	General Purpose, GM TH 350/C	Enclosed	2.64	1.76	0.160	
YW-2-11	Aisin AW	Exposed	2.66	1.83	0.137	YW-2-12, YW-2-13
YW-2-10	Toyota A-340H	Semi- Enclosed	2.68	1.89	0.150	YW-2-8
YW-2-7	A-340H, Hyundai, Mitsubishi & Volvo Truck	Semi- Enclosed	2.68	1.89	0.150	YW-2-8, YW-2-5
NTA-3244	General Purpose, Mitsubishi, KM- 170, Non-Lockup, CT-5	Exposed	2.75	2.00	0.078	TRA-3244, TRB-3244
FW-2-5	Ford, CD4E	Enclosed	2.75	1.80	0.160	
TW-2-4	Mazda, Toyota, Volkswagen, Chrysler	Enclosed	2.82	1.90	0.180	

BEARINGS & RACES

Listed In Order Of Ascending O.D.

BEARING #	APPLICATION	DESIGN	O. D.	I. D.	THICK.	RACE #
SW-2-8	GM 298mm Lockup, 250C, 350C, 700-R4, 4L60E	Semi-Enclosed	2.84	1.44	0.155	SW-2-9
NW-2-2	Honda, Lockup	Exposed	2.85	1.97	0.180	
NTA-3446	General Purpose	Exposed	2.88	2.13	0.078	TRA-3446, TRB-3446
35400C	Mazda G4A, Ford 4EAT, DA-16, A4LD, 4R55E, Jatco RL4F02A, DA-11	Enclosed	2.89	2.13	0.140	
JW-2-18	Jatco, DA-42	Enclosed, 12 Tangs	2.90	1.65	0.220	
JW-2-15	Jatco, DA-13 Rear; DA-48 Front & Rear	Enclosed, 12 Tangs	2.90	1.65	0.240	
NW-2-3	Honda 2000	Exposed	2.94	2.17	0.118	
FW-2-9	5R55N RWD	Enclosed	2.95	1.99	0.198	
RW-2-1	Renault DPO, Peugeot A4L, Citroen	Enclosed	2.97	1.97	0.143	
HW-2-2	Mercedes 5 Speed, MC-18, MC-19	Enclosed	2.98	2.16	0.190	
JW-2-26	Jatco RE4RF04A/V	Enclosed	3.03	2.42	0.237	
SW-2-26	GM Allison 1000	Semi-Enclosed	3.06	2.23	0.169	SW-2-28

BEARINGS & RACES

Listed In Order Of Ascending O.D.

BEARING #	APPLICATION	DESIGN	O. D.	I. D.	THICK.	RACE #
SW-2-14	GM Allison AT540	Enclosed	3.09	1.77	0.340	SW-2-19
FW-2-10	Ford 5R110W	Enclosed	3.12	1.87	0.208	
JW-2-13B (NTA-4052)	Jatco, DA-24, DA-29, DA-34	Exposed	3.22	2.48	0.078	
JW-2-13	Jatco, DA-24, DA-29, DA-34	I.D. & O.D., Lip	3.22	2.38	0.110	
JW-2-12	Jatco, DA-15,15L/S, DA-16, DA-17	Semi- Enclosed	3.22	2.44	0.120	JW-2-10, 4 Lugs
SW-2-12	GM Industrial 298mm, BW 310mm	Enclosed	3.25	2.39	0.250	
JW-2-24	Mitsubishi, CT-27	Enclosed	3.33	2.56	0.190	
JW-2-14	Jatco, DA-18 Front; DA-31 Front	Enclosed, 14 Tangs	3.37	1.65	0.280	TW-2-15
JW-2-16	Jatco, DA-18 Front; DA-31 Front	Enclosed, 7 Tangs	3.37	1.65	0.280	
JW-2-2	Jatco, DA-11 Late, Rear; DA-18, Rear, DA-28 Rear, DA-31 Rear	Enclosed, 14 Tangs	3.37	2.05	0.240	
SW-2-11	Saturn, 245mm, 256mm, 265mm	Enclosed	3.38	2.50	0.150	
JW-2-19	Jatco, DA-20 Rear	Enclosed, 14 Tangs	3.53	2.05	0.240	

BEARINGS & RACES

Listed In Order Of Ascending O.D.

BEARING #	APPLICATION	DESIGN	O. D.	I. D.	THICK.	RACE #
SW-2-25	GM Allison 1000	Semi-Enclosed	3.57	2.60	0.208	SW-2-27
SW-2-24	GM 4L80E, late	Enclosed	3.66	2.60	0.160	
NTA-4860	General Purpose	Exposed	3.73	3.00	0.078	
SW-2-18	GM 310mm Lockup 4L80E, Single Stator	Enclosed	3.84	2.74	0.190	

BEARING RACES

PART #	O. D.	I. D.	THICK.	REMARKS
FW-2-3	2.35	1.75	0.040	Inside Lip
FW-2-4	2.48	1.71	0.040	1 Lug
FW-2-4A	2.48	1.71	0.080	1 Lug
JW-2-10	3.00	2.53	0.080	4 Lugs
JW-2-21	2.75	2.01	0.100	
JW-2-5	2.35	1.59	0.080	
JW-2-5T	2.35	1.59	0.040	
JW-2-5TT (TRA-4060)	2.35	1.59	0.030	
JW-2-6	2.37	1.49	0.030	Outside & Inside Lips
JW-2-7	3.00	2.53	0.080	3 Lugs
JW-9-8	2.27	0.86	0.390	Outside & Inside Lips
JW-9-9	2.09	1.39	0.080	6 Lugs
NW-9-1B	1.69	0.95	0.039	Outside Lip
NW-9B	0.15	0.87	0.035	Outside Lip
PW-2-3	2.42	1.70	0.080	1 Lug
PW-2-4	2.35	1.59	0.040	1 Lug
PW-2-8	2.04	1.38	0.040	
PW-2-9	2.12	1.46	0.040	
SW-2-19	3.02	1.77	0.093	
SW-2-27	3.38	2.53	0.118	
SW-2-28	3.13	2.37	0.098	
SW-2-4	2.25	1.44	0.030	
SW-2-5	2.12	1.45	0.030	

BEARING RACES

PART #	O. D.	I. D.	THICK.	REMARKS
SW-2-6	2.07	1.48	0.030	Inside Lip
SW-2-9	3.00	1.76	0.046	
TRA-1828	1.75	1.13	0.030	
TRA-2031	1.94	1.25	0.030	
TRA-2233	2.06	1.38	0.030	
TRA-2435 (SW-2-30)	2.17	1.50	0.030	
TRA-2840	2.50	1.75	0.030	
TRA-3244	2.75	2.00	0.030	
TRA-3446	2.88	2.13	0.030	
TRA-4860	3.73	3.00	0.030	
TRB-1828	1.75	1.13	0.060	
TRB-2031	1.94	1.25	0.060	
TRB-2233	2.06	1.38	0.060	
TRB-2435 (SW-2-60)	2.17	1.50	0.060	
TRB-2840	2.50	1.75	0.060	
TRB-3244	2.75	2.00	0.060	
TRB-3446	2.88	2.13	0.060	
TW-2-13	2.40	1.70	0.030	
TW-2-15	2.28	1.43	0.078	
TW-2-6	1.93	1.42	0.080	
WW-2-8	2.24	1.44	0.030	Outside & Inside Lips
YW-2	2.30	1.58	0.080	4 Lugs
YW-2-4	2.43	1.65	0.030	

BEARING RACES

PART #	O. D.	I. D.	THICK.	REMARKS
YW-2-5	2.56	1.84	0.080	1 Lug
YW-2-6	2.28	1.59	0.140	
YW-2-8	2.56	1.84	0.080	4 Lugs

LOCKUP LININGS & FLOATING RINGS

SORTED BY OUTSIDE DIAMETER

PART#	O.D.	I.D.
LOCKUP LININGS (INCH)		
SX-23-SS45	2-3/16	1-9/16
SX-23-SS70	2-3/16	1-9/16
SX-23-LS45	2-7/8	2-3/8
SX-23-LS70	2-7/8	2-3/8
TX-23-20	4-15/16	4-7/16
FX-23-17	6-13/16	6-7/16
RX-23-1	7-1/2	6-11/16
RX-23-2A/B	7-15/16	7.100
SX-23-42	8	6-3/8
SX-23-51	8-1/16	7-1/4
YX-23-2	8-1/4	7-1/8
FX-23-47M	8-1/4	7-9/32
JX-23-24	8-1/4	7-5/8
JX-23-1	8-3/8	7-1/2
YX-23-19	8-1/2	7-1/4
SX-23-50	8-3/4	7-9/16
NX-23-1	8-3/4	7-3/4
SX-23-31	8-7/8	8
SX-23-13	9	7-3/4
FX-23-29M	9	7-7/8
TX-23-6	9	8
JX-23-3	9	8-1/4
TX-23-5	9-1/8	7-5/8
TX-23-15	9-1/8	7-3/4
TX-23-16	9-1/8	7-13/16
FX-23-24M	9-1/8	8-1/16
NX-23-6	9-1/8	8-1/8
SX-23-48	9-3/16	7-1/2
JX-23-8	9-1/4	7-7/8
FX-23-6	9-1/4	8-1/8
JX-23-20	9-1/4	8-5/16
TX-23-21	9-5/16	8-1/4
PX-23-11	9.36	8.38
TX-23-12	9-3/8	7-3/4
YX-23-12	9-3/8	7-7/8
FX-23-18	9-3/8	8-1/8
PX-23-12	9-7/16	8-9/64
PX-23-9	9-1/2	8-1/4
NX-23-2	9-1/2	8-1/2
JX-23-15	9-1/2	8-11/16
TX-23-18	9-5/8	7-5/8
TX-23-24	9-5/8	7-7/8
TX-23-9	9-5/8	8
FX-23-25M	9-5/8	8-1/16
FX-23-19	9-11/16	8-1/4
FX-23-57	9.725	8-1/4
YX-23-3	9-3/4	8-1/4

LOCKUP LININGS & FLOATING RINGS

SORTED BY OUTSIDE DIAMETER

PART#	O.D.	I.D.
LOCKUP LININGS (INCH)		
JX-23-33	9-3/4	9
JX-23-32	9-13/16	8-13/16
JX-23-22	9-7/8	8-3/4
JX-23-10	9-15/16	9
YX-23-1	10	8-1/4
PX-23-13	10	8.4
YX-23-18	10	8-1/2
TX-23-17	10	8-3/4
NX-23-7	10	9
YX-23-10	10-1/16	8-1/2
TX-23-13	10-1/8	8-1/8
YX-23-8	10-1/8	8-1/4
YX-23-11	10-1/8	8-5/8
NX-23-5	10-1/8	9-1/8
PX-23-10	10.15	9.36
TX-23-11	10-5/16	8-3/4
SX-23-52	10-5/16	9-1/4
YX-23-7	10-3/8	8-5/8
SX-23-32	10-3/8	9-3/8
FX-23-13	10-1/2	8-5/8
TX-23X	10-1/2	9-1/8
TX-23-19	10-1/2	9-3/16
FX-23-59	10-1/2	9-3/8
TX-22X	10-9/16	9-1/4
FX-23-26M	10-9/16	9-5/16
TX-23-14	10-3/4	9
TX-23-4	10-3/4	9-1/4
JX-23-23	10-3/4	9-1/2
FX-23-49	10-27/32	9-13/16
YX-23-17	11	9-9/16
SX-23-4	11-1/8	10
FX-23-30	11-1/8	9-13/16
FX-23-52	11-9/64	9-7/8
FX-23-23	11-3/16	10-3/8
FX-23-28M	11-1/4	10
FX-23-27	11-3/8	10
FX-23-10	11-1/2	10
SX-23-25	11-9/16	10-5/16
FX-23-12	11-5/8	10
SX-23-47	11-5/8	10-3/8
MX-23-1	11-11/16	10
SX-23-44	12-11/32	10-1/4
SX-23-40	12-11/32	9-29/32
SX-23-49	12-1/2	10-3/4
SX-23-35	12-5/8	10-11/16
SX-23-38	13	10-3/8
SX-23-46	13-1/2	11-1/2

LOCKUP LININGS & FLOATING RINGS

SORTED BY OUTSIDE DIAMETER

PART#	O.D.	I.D.
FLOATING RINGS (INCH)		
JX-23-2	9-1/8	7-7/32
TX-26-7	9-1/4	7-7/8
TX-26-7RB	9-1/4	7-7/8
SX-23-14	9-1/2	8
TX-26-9	9-5/8	8
TX-26-9RB	9-5/8	8
JX-23-4	9-5/8	8
JX-23-9	9-3/4	7-17/32
FX-23-3	10-1/4	8-1/8
TX-26-11	10-5/16	8-13/16
TX-26-11RB	10-5/16	8-13/16
JX-23-12	10-11/32	8-5/16
FX-23-7	10-11/32	7
TX-26-4	10-3/4	9-1/4

RING GEARS

PART #	APPLICATION	I. D.	O. D.	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 35,45,66	10.290	11.65	115
RG-115S	Subaru	10.520	11.46	115

RING GEARS

PART #	APPLICATION	I. D.	O. D.	TEETH #
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	9.1030	10.54	125
RG-125VL	097, 098, Passat	10.538	9.245	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 or 130
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

RING GEARS

PART #	APPLICATION	I. D.	O. D.	TEETH #
RG-148	Chrysler, 60-61, 6 Cyl. 10 3/4" NonLockup	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
RG-166D	Cadillac, Flywheel	12.620	13.92	166

RING GEARS

PART #	APPLICATION	I. D.	O. D.	TEETH #
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

ORING, D-RING, SQUARE CUT SEALS

Make	Application	Inside Diameter		Cross Section		Reference Part #	Tri Part #
		inches	mm	inches	mm		
B W	Bolted Aluminum	3.976	100.99	0.137	3.48	FD-O-1	FO-1-20
	Bolted Aluminum	11.484	292.00	0.134	3.40	FD-O-2	FO-1-21
Chrysler	618 310mm LU	2.050	52.07	0.103	2.62	GM-O-8V	SO-23-33
	618 310mm LU, oversized	2.050	52.07	0.108	2.74	GM-O-12V	SO-23-33X
	9-1/2" & 10" LU, oversized	4.110	104.40	0.122	3.10	CH-O-5V	TO-25-6X
	9-1/2" LU, 10" L/U	4.150	105.40	0.106	2.70	CH-O-6V	TO-25-6V
	10-3/4" LU	4.237	107.62	0.103	2.62	CH-O-3V	TO-25-3V
	45RFE, Impeller Hub	1.612	40.94	0.103	2.62	CH-O-8V	TO-25-15
	45RFE	0.669	17.00	0.078	2.00	CH-O-10V	TO-25-16
	45RFE	2.573	65.35	0.106	2.69	CH-O-11V	TO-25-17
	10", 41TE & 42LE	2.239	56.87	0.070	1.78	CH-O-12V	TO-25-19
	2007 68RFE, 6.7L Cummins Diesel	3.150	80.00	0.098	2.50	CH-O-14V	TO-25-22
Fichtel & Sachs	ZF4HP24, ZF5HP30	1.920	48.77	0.096	2.44	FS-O-1V	PO-25
	ZF5HP19, ZF5HP24, ZF6HP26	2.756	70.00	0.098	2.50	FS-O-2V	PO-25-1
	ZF5HP24	2.537	64.40	0.102	2.59	N/A	PO-25-2
	ZF5HP19/ FL	2.961	75.20	0.098	2.50	FS-O-3V	PO-25-8
Ford	AODE, E4OD, 4R70W	2.156	54.75	0.128	3.24	FD-O-4V	FO-25-5V
	AODE, E4OD, 4R70W, oversized	2.087	53.00	0.138	3.50	FD-O-18V	FO-25-5X
	AXOD/AXODE	1.181	30.00	0.139	3.50	FD-O-3V	FO-25-4
	AXODE	1.250	31.75	0.094	2.40	FD-O-6V	FO-25-7
	AXODE, oversized	1.237	31.42	0.105	2.67	FD-O-13V	FO-25-7X
	CD4E	1.626	41.30	0.094	2.40	FD-O-8V	FO-25-8
	CD4E, oversized	1.359	34.50	0.139	3.50	FD-O-17V	FO-25-8A
General Motors	245mm LU	1.240	31.50	0.070	1.78	GM-O-21V	SO-23-21
	245mm LU, oversized	1.240	31.50	0.075	1.90	GM-O-4V	SO-23-21A
	258mm LU & Saturn Impeller Hubs	1.364	34.65	0.070	1.78	GM-O-6V	SO-23-26
	265mm LU	1.362	34.60	0.103	2.62	GM-O-5V	SO-23-25
	298mm LU, Standard Size	2.118	53.80	0.070	1.78	GM-O-1V	SO-23-1
	298mm LU, oversized	2.114	53.70	0.075	1.90	GM-O-3V	SO-23-1A
	300mmLU & 265mm LU, Viscous	1.489	37.80	0.065	1.65	GM-O-9V	SO-23-28
	4L80-E	1.848	46.94	0.072	1.83	GM-O-2V	SO-23-24
	4L80-E, Oversized	1.864	47.35	0.077	1.96	GM-O-10V	SO-23-24A
	6L80-E	2.300	58.42	0.103	2.62	GM-O-11V	SO-23-36
	Saturn	1.102	28.00	0.098	2.50	GM-O-7V	SO-23-27

O-RING, D-RING, SQUARE CUT SEALS

Make	Application	Inside Diameter		Cross Section		Reference	Tri
		inches	mm	inches	mm	Part #	Part #
Honda	Honda Impeller Hub	1.260	32.00	0.078	2.00	HO-O-1V	84048
	Honda Impeller Hub	1.398	35.50	0.075	1.90	HO-O-2V	NO-25-1
Jatco	JF404E	1.850	47.00	0.100	2.54	JA-O-10V	JO-25-15
	JF506E	1.516	38.50	0.079	2.00	JA-O-6V	JO-25-12
	L3N71B, JF403, RL3F01A	1.260	32.00	0.079	2.00	JA-O-1V	JO-25-1
	L3N71B, JF403, RL3F01A, Oversized	1.327	33.71	0.088	2.23	JA-O-5V	JO-25-1X
	L4N71B RWD, N4A-EL, RE4R03A, RE4R01A RWD, FL4F02A FWD	1.417	36.00	0.079	2.00	JA-O-2V	JO-25-2
	L4N71B RWD, N4A-EL, RE4R03A, RE4R01A RWD, FL4F02A FWD	1.475	38.00	0.102	2.60	JA-O-3V	JO-25-4
	RE5R05A	2.224	56.50	0.083	2.11	JA-O-8V	JO-25-13
	RE5R05A	5.906	150.00	0.089	2.26	JA-O-9V	JO-25-14
Mercedes	722.6, '96-Up	2.013	51.12	0.080	2.03	MB-O-1V	HO-25-2
	722.6, '96-Up	6.510	165.35	0.080	2.03	MB-O-2V	HO-25-1
	722.6, '96-Up	0.608	15.44	0.080	2.03	MB-O-3V	HO-25-3
Mazda	4EAT, Late '96 & Up	2.205	56.00	0.080	2.00	MZ-O-1V	JO-25-10
	4EAT-F (DA-50) Escort '96-Up	3.240	82.30	0.098	2.50	MZ-O-2V	TO-25-14
Mitsubishi	99 Galant, Ink Code "2C"	3.240	82.30	0.098	2.50	MT-O-7V	TO-25-14
	F4A33, KM175/176, Late Model	2.016	51.20	0.080	2.03	MT-O-3V	TO-25-9
	KM 175/176	2.913	74.00	0.098	2.50	MT-O-4V	TO-25-4
	KM 175/176	2.913	74.00	0.106	2.70	N/A	TO-25-4X
	R4A51, R4A52 (Montero)	2.087	53.00	0.097	2.46	MT-O-8V	TO-25-20
Subaru	Subaru, SU-19	3.189	81.00	0.098	2.49	SU-O-1V	JO-25-17
	Subaru, SU-16	2.205	56.00	0.098	2.49	SU-O-2V	JO-25-18
VW	096/01M, 098/01P; Audi 097/01N	3.236	82.20	0.103	2.62	VW-O-1V	VO-25-1

SEAL RINGS, PTFE

Make	Application	Outside Diameter		Cross Section (width)		Cross Section (height)		Design	Reference Part #	Tri Part #
		inches	mm	inches	mm	inches	mm			
Chrysler	10-3/4" LU	4.450	113.00	0.033	0.84	0.090	2.29	SOLID	CH-O-2	TO-25-2
	9-1/2" LU & 10" LU	4.344	110.34	0.033	0.84	0.096	2.44	SOLID	CH-O-4	TO-25-7
F & S	BMW Baby 318, ZF4HP22	2.358	59.90	0.086	2.18	0.198	5.03	CUT	FS-O-60K	PO-25T
Ford	4R100	2.758	70.05	0.098	2.49	0.097	2.46	SOLID	FD-O-9	FO-25-12
	5R55N/SW	1.723	43.76	0.100	2.54	0.111	2.82	SOLID	N/A	FO-25-14
	5R55N/SW	1.710	43.43	0.100	2.54	0.111	2.82	CUT	FD-O-15	FO-25-15
	A4LD	2.043	51.89	0.089	2.27	0.101	2.57	CUT	FD-O-52	FO-25-1
	AODE,4R70W, LATE	2.385	60.58	0.168	4.27	0.104	2.64	SOLID	FD-O-19	FO-25-17
	AX4S/AX4N	1.541	39.14	0.089	2.26	0.102	2.59	CUT	FD-O-40	FO-25-11
	CD4E, 9-1/4" 3.0L, AX4S AX4N(4F50N)	1.677	42.60	0.130	3.30	0.094	2.39	SOLID	FD-O-20	FO-25-13
	CD4E, 9-1/4" 3.0L, AX4S AX4N(4F50N)	1.673	42.50	0.130	3.30	0.096	2.44	CUT	FD-O-16	FO-25-16
	Focus 4F27E	3.499	88.87	0.090	2.29	0.115	2.92	CUT	FD-O-11	TO-25-11
G. M.	300mm LU (4L60-E)	1.726	43.84	0.095	2.41	0.085	2.16	SOLID	GM-O-13	SO-23-35
	Allison 1000/2000/2400 Series, Early	2.380	60.45	0.090	2.29	0.096	2.44	CUT	AL-O-1	SO-23-34
	Allison 1000/2000/2400 Series, 2006-up	2.953	75.00	0.091	2.31	0.085	2.16	CUT	AL-O-2	SO-23-37
Honda	MPYA	1.315	33.40	0.079	2.00	0.052	1.32	CUT	HO-O-36	NO-25
Jatco, Mazda	Jatco RL4F03A	1.575	40.00	0.092	2.34	0.092	2.34	CUT	MZ-O-40	JO-25-8
	Jatco RL4F04AV	1.689	42.90	0.092	2.34	0.092	2.34	CUT	JA-O-4	JO-25-9
	Jatco RE5R05A	1.699	43.15	0.089	2.26	0.090	2.28	CUT	JA-O-7	JO-25-16
	Mazda 4EAT/G4A-EL	2.358	59.89	0.096	2.43	0.116	2.96	CUT	FD-O-60	JO-25-5
Renault	Renault DPO, Peugeot AL4, early	2.135	54.20	0.075	1.91	0.086	2.18	CUT	RE-O-1V	RO-25-1
	Renault DPO and Peugeot AL4, 2005-up	2.153	54.68	0.092	2.34	0.094	2.39	CUT	RE-O-2	RO-25-2
Subaru	RE4R01 A, SU-11	2.280	57.91	0.096	2.43	0.108	2.75	CUT	SU-O-58	JO-25-7
Toyota	A1131	4.055	103.01	0.091	2.31	0.091	2.31	CUT	TO-O-102	YO-25-4
	A140E FWD	4.355	110.61	0.091	2.31	0.091	2.31	CUT	TO-O-110	YO-25-3
	A43 DE/DL	2.683	68.15	0.091	2.31	0.091	2.31	CUT	TO-O-68	YO-25-1
	Aisin AW 450-43LE	2.383	60.53	0.091	2.31	0.095	2.41	CUT	TO-O-4	YO-25-7
	Aisin AW TF-60SN, VW 09G	1.562	39.67	0.093	2.36	0.090	2.29	CUT	VW-O-3	VO-25-3
	Aisin AW 80/81-40LE	1.263	32.08	0.077	1.96	0.082	2.08	CUT	TO-O-8	YO-25-9

METAL CLAD SEALS

Application	Shaft Dia:		Housing Bore:		Ref. Part#	Tri Part #
	Inches	mm	Inches	mm		
Chrysler 9-1/2" LU & 10" LU	0.481	12.21	0.963	19.80	CH-O-9V	TO-25-8
Chrysler 10-3/4" LU&A999	0.785	19.94	1.062	26.98	CH-O-1V	TO-25-1
Fichtel & Sachs ZF4HP22 & 5HP30	0.710	18.00	0.945	24.00	FS-O-27V	PO-25-6
Ford AODE	0.866	22.00	1.083	27.51	FD-O-5V	FO-25-6
Ford CD4E	0.768	19.50	1.024	26.01	FD-O-7V	FO-25-9
Ford 4F27E (Focus)	0.590	15.00	0.906	23	FD-O-10V	TO-25-12
Mitsubishi F4A42	0.630	16.00	0.974	24.6	MT-O-13	T O-25-13
Mitsubishi KM 175/176	0.661	16.81	0.984	25.00	MT-O-5V	TO-25-5
Toyota A13, A140, A540, A541, A340 & AW4	0.590	15.00	0.929	23.6	TO-O-1V	YO-25-2
Toyota A43/140	0.610	15.50	0.925	23.50	TO-O-2V	YO-25-11
Toyota A440	0.590	15.00	0.984	25.00	TO-O-3V	YO-25-5
Aisin AW 450-43LE & Toyota A442F	0.610	15.50	0.984	25.00	TO-O-5V	YO-25-8
Aisin AW 55-50SN	0.591	15.00	0.935	23.74	TO-O-7V	YO-25-12
Volkswagen 096/01M, 097/01N, 098/01P	1.045	26.55	1.261	32.02	VW-O-2V	VO-25-2
Fichtel & Sachs ZF5HP19/FL	0.71	18.03	.945	24.00	N/A	PO-25-7

SHIMS

Listed In Order Of Ascending I.D.

PART #	I.D.	O.D.	THICK	APPLICATION
TW-9-14	1.065	2.050	0.020	Chrysler 9-1/2" & 10"
MW-2-032	1.240	1.740	0.032	Miscellaneous & Industrial
MW-2-047	1.240	1.740	0.047	Miscellaneous & Industrial
MW-2-062	1.240	1.740	0.062	Miscellaneous & Industrial
VW-9-2	1.350	2.380	0.010	VW & Others
WW-9-1	1.450	1.910	0.010	Borg Warner
TW-9-010	1.450	2.400	0.010	Chrysler 10-3/4", GM TH200
TW-9-020	1.450	2.400	0.020	Chrysler 10-3/4", GM TH200
TW-9-030	1.450	2.400	0.030	Chrysler 10-3/4", GM TH200
TW-2X10	1.469	2.875	0.010	Chrysler, Ford TF-6, C3, A4LD
TW-2X	1.469	2.875	0.020	Chrysler, Ford TF-6, C3, A4LD
TW-2X30	1.469	2.875	0.030	Chrysler, Ford TF-6, C3, A4LD
FW-2-010	1.482	2.350	0.010	Ford, A4LD
FW-2-020	1.482	2.350	0.020	Ford, A4LD
FW-2-030	1.482	2.350	0.300	Ford, A4LD
SW-2-30	1.510	2.175	0.030	GM Hardened Race
SW-2-60	1.510	2.175	0.060	GM Hardened Race
VW-2-10	1.564	2.500	0.010	VW, Fichtel & Sachs
VW-2-20	1.564	2.500	0.020	VW, Fichtel & Sachs
VW-2-30	1.564	2.500	0.030	VW, Fichtel & Sachs
JW-2-5TT (Hardened)	1.585	2.345	0.030	Jatco, A4LD, Toyota, Others (Hardened)
JW-2-5T (Hardened)	1.585	2.345	0.045	Jatco, A4LD, Toyota, Others (Hardened)
JW-2-5 (Hardened)	1.585	2.345	0.080	Jatco, A4LD, Toyota, Others (Hardened)

SHIMS

Listed In Order Of Ascending I.D.

PART #	I.D.	O.D.	THICK	APPLICATION
SW-2-010	1.585	2.750	0.010	GM 298mm Lockup, Use Under SW-2-8
SW-2-020	1.585	2.750	0.020	GM 298mm Lockup, Use Under SW-2-8
SW-2-030	1.585	2.750	0.030	GM 298mm Lockup, Use Under SW-2-8
SW-2-050	1.585	2.750	0.050	GM 298mm Lockup, Use Under SW-2-8
HW-2-10	1.700	2.410	0.010	Mercedes, Toyota
FW-9-24	1.750	2.000	0.020	Ford, CD4E
MW-2-10	1.875	2.938	0.010	Chrysler, Ford, Others
MW-2-20	1.875	2.938	0.020	Chrysler, Ford, Others
MW-2-30	1.875	2.938	0.030	Chrysler, Ford, Others
TW-2-110	1.975	2.820	0.010	Chrysler, Under TW-2-4 Bearing
TW-2-120	1.975	2.820	0.020	Chrysler, Under TW-2-4 Bearing
TW-2-130	1.975	2.820	0.030	Chrysler, Under TW-2-4 Bearing
WW-9-5	2.000	2.720	0.030	Borg Warner 11" Except USA
FW-9-21H	2.050	2.360	0.020	Ford, A4LD 4R55E, Late
FW-9-21G	2.050	2.360	0.035	Ford, A4LD 4R55E, Late
FW-9-21C	2.050	2.360	0.051	Ford, A4LD 4R55E, Late
FW-9-21B	2.050	2.360	0.067	Ford, A4LD 4R55E, Late
FW-9-21A	2.050	2.360	0.083	Ford, A4LD 4R55E, Late
FW-9-22	2.065	2.370	0.050	Ford, A4LD/4R55E, Late
TW-2-10	2.160	2.950	0.010	Chrysler (Under Bronze Washer)
TW-2-20	2.160	2.950	0.020	Chrysler (Under Bronze Washer)
TW-2-30	2.160	2.950	0.030	Chrysler (Under Bronze Washer)
FW-9-18	2.400	2.580	0.020	Ford, E4OD, First Type

SHIMS

Listed In Order Of Ascending I.D.

PART #	I.D.	O.D.	THICK	APPLICATION
SW-2-210	2.400	2.950	0.010	GM 245mm, Use Under SW-2-12
SW-2-220 (SW-2-17)	2.400	2.950	0.020	GM 245mm, Use Under SW-2-12
SW-2-230	2.400	2.950	0.030	GM 245mm, Use Under SW-2-12
FW-9-23	2.410	2.590	0.020	Ford, AOD-E, 4R70W
SW-2-110	2.500	3.315	0.010	GM 245mm, Use Under SW-2-11
SW-2-120 (SW-2-15)	2.500	3.315	0.020	GM 245mm, Use Under SW-2-11
SW-2-130	2.500	3.315	0.030	GM 245mm, Use Under SW-2-11
SW-2-410	2.590	3.435	0.010	GM 300mm & 4L80E Late
SW-2-420	2.590	3.435	0.020	GM 300mm & 4L80E Late
SW-2-430	2.590	3.435	0.030	GM 300mm & 4L80E Late
SW-2-310	2.750	3.725	0.010	GM 4L80E, Use Under SW-2-18
SW-2-320 (SW-2-18)	2.750	3.725	0.020	GM 4L80E, Use Under SW-2-18
SW-2-330	2.750	3.725	0.030	GM 4L80E, Use Under SW-2-18
PW-2-008	3.150	4.050	0.008	Fichtel & Sachs

SPRAGS

PART #	APPLICATION	DESCRIPTION	DIMENSIONS
BC-6	9-1/2" Borg Warner	14 Cams # F-315 2 Inside Strips	2.281"x1.625"x0.530"
FC-6-1	Borg Warner, Fichtel & Sachs	20 Cams # F-407 2 Inside Strips Replaced By FC-6-10	2.812"x2.156"x0.625"
FC-6-3	Borg Warner, Fichtel & Sachs	20 Cams # F-395 5 Outside Clips, 3 Inside Strips Replaced By FC-6-10	2.812"x2.156"x0.625"
FC-6-4	Borg Warner, Fichtel & Sachs	20 Cams # F-407 10 Outside Clips, 3 Inside Strips Replaced By FC-6-10	2.812"x2.156"x0.625"
FC-6-9	Borg Warner, Fichtel & Sachs	22/24 Cams # F-407 10 Outside Clips, 2/3 Inside Strips Replaced By FC-6-10	2.812"x2.156"x0.625"
FC-6-10	Borg Warner, Fichtel & Sachs	24 Cams # F-395 12 Outside Clips, 3 Inside Strips	2.812"x2.156"x0.625"
JC-6-2	Mazda	26 Cams # F-240 / S-240	2.820"x2.410"x0.450"
MC-1	Japanese Industrial	24 Cams # S-532 12 Outside Clips	2.804"x2.148"x0.810"
MC-2	Japanese Industrial	30 Cams # F-585 15 Outside Clips	3.499"x2.843"x0.825"
MC-3	Japanese Industrial	26 Cams # F-760 13 Outside Clips	3.000"x2.344"x1.000"
MC-4	Japanese Industrial	22 Cams # S-352 11 Outside Clips	2.614"x1.958"x0.750"
MC-5	Japanese Industrial	22 Cams # S-532	2.540"x1.870"x0.730"

SPRAGS

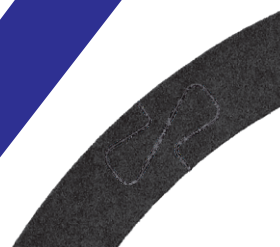
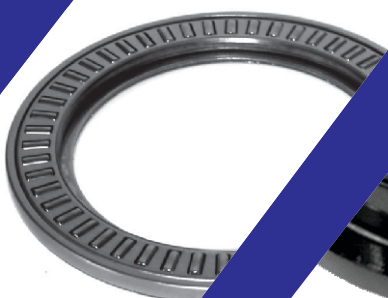
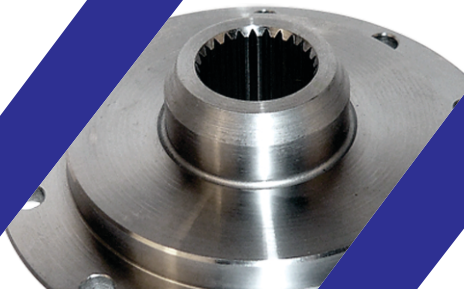
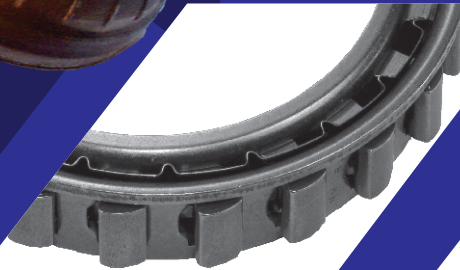
PART #	APPLICATION	DESCRIPTION	DIMENSIONS
MC-6	Japanese Industrial "Morse" Type	26 Cams # F-395 13 Outside Clips, Double Cage (Reuse End Washers)	2.925"x2.250"x0.600"
RC-6-1	Renault DPO, Peugeot, Citroen	16 Cams # F-240	2.400"x1.750"x0.420"
VC-6-1	Volkswagen	22 Cams # F-295 4 Outside Clips	2.610"x1.960"x0.460"
YC-6	Jatco	22 Cams # S-315	2.450"x1.870"x0.510"



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2020

TORQUE CONVERTER PARTS

(SEE LATE TORQUE CONVERTER CATALOG PAGES IN THE BACK OF THIS CATALOG)

VOLUME

2



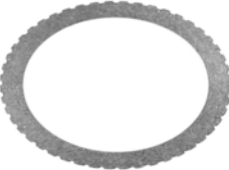

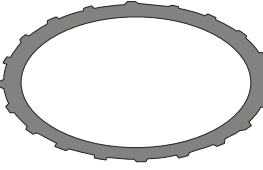
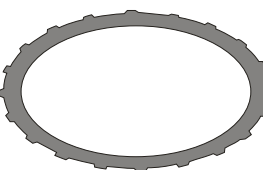
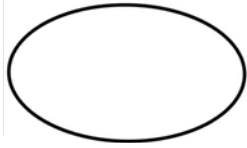

AISIN SEIKI AS68RC, A465

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Black	For Hub Dia. 1.750" Length 1.500"		MHC-BU
Hub, Impeller	Material: Steel Pump Drive Style: Slots Hub Mount: Flanged Fits A465 only	Assembled Height 2.195" Height 2.475" Journal Dia.: 1.844" Flange Dia.: 4.080"		YH-1-23FLG
Hub, Impeller	Material: Steel Pump Drive Style: Slots Hub Mount: Flanged Fits AS68RC only	Assembled Height 2.210" Height 2.570" Journal Dia.: 1.843" Flange Dia.: 4.160"		YH-1-22FLG
Bearing	Material: Hardened Steel Semi- Enclosed	O.D. 3.000" I.D. 1.779" Thick. 0.188"		TW-2-23
Bearing Race	Material: Hardened Steel 2 O.D. Tangs	O.D. 2.953" I.D. 1.898" Thick. 0.098"		TW-2-24
Stator Cap	Material: Aluminum 2 Tabs	O.D. 4.180" I.D. 1.810" Tab O.D. 4.354" Functional Thick. 0.182" Total Thick. 0.620"		YW-4-16
Sprag	29 Cams	Shaft Dia.: 2.625" Housing Dia.: 3.281" Width 0.75"		SC-6
Clutch Plates, Kit	3 Friction & 4 Steel Plates			YX-26-5K
Seal Ring	Material: Fluorocarbon D-Shape	O.D. 7.258" Width 0.087" Height 0.149"		TO-25-23










AISIN SEIKI AS68RC, A465 (cont.)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#	
	Seal Ring	Material: Fluorocarbon D-Shape	O.D. 4.208" Width 0.083" Height 0.152"		TO-25-24
	Clutch Plate, Friction	36 Internal Teeth	O.D. 7.431" I.D. 5.804" Thick. 0.098"		YX-26-1
	Clutch Plate, Steel	Material: Steel 16 External Teeth	O.D. 7.955" I.D. 6.240" Thick. 0.070"		YX-26-2
	Pressure Plate	Material: Steel 16 External Teeth	O.D. 7.955" I.D. 6.240" Thick. 0.249"		YX-26-4
	Bearing Race	Material: Hardened Steel Front cover	O.D. 1.843" I.D. 1.094" Thick. 0.098"		TW-9-28
	Bearing	Bearing Style: Open Material: Hardened Steel	O.D. 1.717" I.D. 0.988" Thick. 0.157"		TW-9-27
	Bearing Race	Material: Hardened Steel Front cover	O.D. 1.861" I.D. 0.993" Thick. 0.130"		TW-9-29
	Pilot	Material: Steel Pilot Type: Weld-in Front cover	Pilot Dia.: 2123" Flange Dia.: 1.940" Flange Pilot Dia.: 1.750"		YX-17-1
	Front Cover Hub	Material: Hardened Steel	O.D. 3.860" I.D. 0.788" Assembled Height 0.900" Bearing Pocket I.D.: 0.985"		YX-22-1

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

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Clutch Plate, Friction	30 Internal Teeth, Late	O.D. 7.033" I.D. 5.574" Thick. 0.103"		VX-23-4
Clutch Plate, Steel	Material: Steel 48 External Teeth Late	O.D. 7.350" I.D. 5.862" Thick. 0.092"		VX-23-5
Pressure Plate	Material: Steel 48 External Teeth Late	O.D. 7.350" I.D. 5.862" Thick. 0.150"		VX-23-6
Clutch Plate, Friction	36 Internal Teeth Early	O.D. 10.206" I.D. 8.441" Thick. 0.147"		YX-26-3
Clutch Plate, Steel	Material: Steel 20 External Teeth Early	O.D. 10.542" I.D. 8.764" Thick. 0.126"		VX-23-2
Clutch Plate, Steel	Material: Steel 20 External Teeth Early	O.D. 10.542" I.D. 8.764" Thick. 0.197"		VX-23-3
O-Ring	Material: Fluorocarbon Color: Black	I.D. 7.948" Cross Section 0.123"		VO-25-5
Seal Ring	Material: PTFE Color: Black Seal Style: Scarf cut	O.D. 2.052" Width 0.090" Height 0.093"		VO-25-4


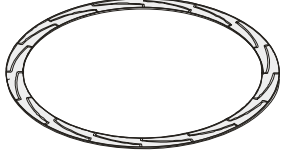
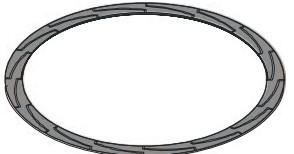




AISIN AW TF-80SC

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Yellow	For Hub Dia. 1-7/8"		MHC-Y
Bearing	Material: Hardened Steel Enclosed Impeller Side	O.D. 4.449" I.D. 3.543" Thick. 0.197"		AW-2-1
Sprag	Material: Steel 24 Cams	Width 0.336" Race Inner Dia.: 2.087" Race Outer Dia.: 2.747"		YC-6-3
Bearing	Material: Hardened Steel Enclosed Turbine Side	O.D. 4.213" I.D. 3.347" Thick. 0.197"		AW-2-2
Seal Ring	Material: PTFE, Scarf cut	O.D. 1.559" Width 0.087" Height 0.077"		FO-25-19
Turbine Washer	Material: Plastic 8 Outer Notches	O.D. 1.484" I.D. 1.010" Thick. 0.136"		SW-9-19
Turbine Washer	Material: Vespel® 8 Outer Notches	O.D. 1.484" I.D. 1.010" Thick. 0.136"		SW-9-20
Turbine Washer	Material: Plastic 8 Outer Notches	O.D. 1.484" I.D. 1.010" Thick. 0.154"		SW-9-21
Turbine Washer	Material: Vespel® 8 Outer Notches	O.D. 1.484" I.D. 1.010" Thick. 0.154"		SW-9-22

CHRYSLER 62TE

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

CHRYSLER 62TE (cont.)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Piston Plate	Material: Steel Machining Proces Fully Machined Forging			TX-23-34
Lining	Material: Kevlar® Grooved	O.D. 10.000" I.D. 8.750" Thick. 0.045"		TX-23-17MK
Lining	Material: Kevlar® Grooved	O.D. 10.000" I.D. 8.750" Thick. 0.070"		TX-23-17X70MK
Lining	Material: High Carbon Grooved	O.D. 10.000" I.D. 8.750" Thick. 0.045"		TX-23-17MHC
Lining	Material: High Carbon Grooved	O.D. 10.000" I.D. 8.750" Thick. 0.070"		TX-23-17X70MHC
Turbine Washer	Material: Fiber	O.D. 2.375" I.D. 1.070" Thick. 0.136"		TW-9-15
Turbine Washer	Material: Bronze	O.D. 2.360" I.D. 1.075" Thick. 0.138"		TW-9-15B
Turbine Washer	Material: Plastic Late Style	O.D. 2.354" I.D. 1.075" Thick. 0.135"		TW-9-30
Bushing	Material: Steel - backed alloy Bushing Style: Precision	Width 0.413" Housing Bore 1.294" Shaft Dia.: 1.064"		TB-18-13
Bushing	Material: Steel- backed alloy Bushing Style: Finish -in-Place	Width 0.413" Housing Bore 1.294" Shaft Dia.: 1.048"		TB-18-14

CHRYSLER 68RFE
6.7L CUMMINS DIESEL

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Yellow	For Hub Dia. 1.875"		MHC-Y
O-Ring	Material: Fluorocarbon	Cross Section 0.103" I.D. 1.612"		TO-25-15
Hub, Impeller	Material: Chromoly Flanged, 4 flats, Seal groove.	O.D. 1.875" Flange O.D.: 4.15" Height 2.78"		TH-1-44FLG
Bearing	Enclosed	O.D. 3.28" I.D. 2.39" Thick. 0.26"		SW-2-12
Stator	Material: Aluminum	Low stall		SX-5-11
Support Shim	Material: Steel	O.D. 3.600" I.D. 2.350" Thick. 0.010"		SW-2-44
Retainer, Spring	Material: Steel	Size 3.120" x 3.120" Height 0.530"		SX-15B
Stator Cam	10 Pocket	O.D. 3.602" Length 0.591"		SX-15A

CHRYSLER 68RFE

6.7L Cummins Diesel (cont.)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Accordion Spring	5 Fold 10 required	Width 0.560" Height 0.240"		SS-6-6
Roller	10 required	Dia. 0.312" Length 0.560"		SR-7
Inner Race	27 Spline	O.D. 2.156" Height 1.040"		SX-14
Bearing Adapter	Material: Aluminum, for SW-2-12 Bearing	O.D. 3.750" I.D. 1.710" Thick. 0.470"		WW-4-8
Stator Cap	Plastic, 5 Lug Design (Alternate SW-4-19 w/o Lugs, SW-4-19B w/Lugs and TW-3-3 Bronze Washer	O.D. 3.748" I.D. 1.870" Thick. 0.490"		SW-4-19A
Rivet	Rivet Type Standoff Rivet Head Standoff 8 Required	Length 1.050" Shank Dia.: 0.298" Head Dia.: 0.413"		TX-12-8
Rivet	Rivet Type Solid Rivet Head Flat 20 Required	Length 0.515" Shank Dia.: 0.225" Head Dia.: 0.344"		TX-12-9
Turbine Hub	Material: Steel	27 Internal Spline		TX-13-43HT
Damper Spring, Inner	8 required	O.D. 0.556" Free Length 2.018" Wire 0.103"		TX-24-12

CHRYSLER 68RFE
6.7L CUMMINS DIESEL (cont.)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Damper Spring, Outer	8 required	O.D. 0.886" Free Length 2.040" Wire 0.154" Dia.		TX-24-13
Damper Rivet	Rivet Type: Solid Rivet Head: Flat 8 Required	Length 0.370" Shank Dia.: 0.240" Head Dia.: 0.340"		TX-12-10
Bolts	Bolt Head Hex 9 Required	Bolt Spec M8 - 1.0 x 16mm		TX-10-8
Clutch Plate	35 External Bent Teeth	O.D. 12.598" I.D. 10.157" Thick. 0.169"		TX-24-11
Lining	Material: High Carbon 2 required	O.D. 11.654" I.D. 10.157" Thick. .045"		TX-23-26HC
Ball Bearing	.	O.D. 2.047" I.D. 1.575" Thick. 0.276"		TW-9-24
Metal Clad Seal	Material: Fluorocarbon	Housing Bore 1.066" Shaft Dia.: 0.775"		TO-25-1
O-Ring	Material: Fluorocarbon Color: Black	I.D. 3.150" Thick. 0.098"		TO-25-22
Front Cover	Material: AISI 1026 steel Machining Process Fully Machined Forging			TX-22-10

FORD 6R140

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Impeller Hub	Material: Chromoly Flanged Pump Drive Style: External Spline PTO Drive: Internal Spline	Assembled Height: 2.672" Height: 2.800" Journal Dia.: 2.508" Flange Outer Dia.: 4.500"		FH-1-46FLG
Bearing	Enclosed	O.D. 3.771" I.D. 2.673" Thick. 0.288"		FW-2-12
Sprag	26 Cams	Width 0.792" O.D. 2.375" Race Dia.: 3.031"		FC-6-11
Stator Cap	Material: Aluminum	O.D. 4.265" I.D. 1.980" Functional Thick.: 0.197" Total Thick.: 0.460"		FW-4-38
Metal Clad Seal	Material: Fluorocarbon	Housing Bore 1.851" Shaft Dia.: 1.554"		FO-25-24
Clutch Plate Friction	30 Internal Flat Tab bonded to each side	O.D. 11.500" I.D. 9.770" Thick. 0.118"		FX-23-81
D-Ring	Material: Fluorocarbon Outer Piston Seal	O.D. 11.334" Width 0.085" Height 0.147"		FO-25-33
D-Ring	Material: Fluorocarbon Inner Piston Seal 4-Stud	I.D. 7.816" Width 0.085" Height 0.140"		FO-25-32
D-Ring	Material: Fluorocarbon Outer Piston Seal D-shaped 6-&8 Stud ,	O.D. 5.404" Width 0.085" Height 0.145"		FO-25-31

FORD 6R140 (cont.)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Ball Bearing	4-Stud & 6-Stud	O.D. 2.440" I.D. 1.380" Thick. 0.550"		FW-2-14
Ball Bearing	8-Stud	O.D. 2.165" I.D. 1.378" Thick. 0.394"		FW-2-16
Hex Nut	4 Required			FX-10-17

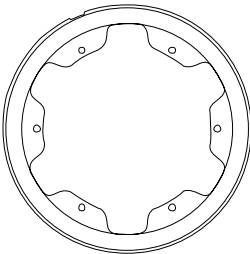
FORD 6R60, 6R75W

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia. 1.750" Length 1.500"		MHC-BU
Hub, Impeller	Material: Hardened Steel Hub Mount Butt Mount Pump Drive Style Slots	Journal Dia.: 1.770" Assembled Height 2.270"		FH-1-48GRC
Bearing	Material: Hardened Steel Enclosed	O.D. 3.391" I.D. 2.500" Thick. 0.150"		SW-2-13
Metal Clad Seal	Material: Fluorocarbon	Housing Bore 0.945" Shaft Dia.: 0.709"		PO-25-6
O-Ring	Material: Fluorocarbon	I.D. 1.800" Cross Section 0.103"		FO-25-18
Piston Plate	Material: Steel Forging			FX-23-79
Lining	Material: High Carbon 6R60 (3 required)	O.D. 8.080" I.D. 6.930" Thick. 0.045"		FX-23-74SHC
Lining	Material: Kevlar® 6R60 (3 required)	O.D. 8.080" I.D. 6.930" Thick. 0.045"		FX-23-74SK

FORD 6R60, 6R75W (cont.)

	DESCRIPTION	DIMENSION	ILLUSTRATION	PART#
Lining	Material: Kevlar® Grooved 6R60 (3 required)	O.D. 8.080" I.D. 6.930" Thick. 0.045"		FX-23-74MK
Lining	Material: Kevlar® Grooved 6R60 (3 required)	O.D. 8.080" I.D. 6.930" Thick. 0.070"		FX-23-74X70MK
Clutch Plate Friction	Bonded on Each Side	O.D. 8.071"		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: Plastic	O.D. 2.000" I.D. 0.740" Thick. 0.490"		FW-9-27
Hex Nut	4 Required			N61 FX-10-17





FORD 6R75/6R80 Expedition, Lincoln Navigator

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

FORD 6R80, 260mm (Late)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia. 1.750" Length 1.500"		MHC-BU
Impeller Hub	Material: Hardened Steel Hub Mount Butt Mount Pump Drive Style Slots	Assembled Height 2.270" Journal Dia.: 1.770"		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" Journal Dia.: 1.770"		FH-1-47GRC
Bearing	Enclosed 2 Required	O.D. 3.670" I.D. 2.620" Thick. 0.162"		FW-2-13
Roller	Material: Steel	Length 0.572" Dia. 0.312"		SR-7
Piston Seal Ring	Material: Fluorocarbon	O.D. 3.511" Width 0.103" Height 0.160"		FO-25-22
Metal Clad Seal	Material: Steel Fluorocarbon	Housing Bore 1.181" Shaft Dia.: 0.871"		FO-25-23
Lining	Material: Kevlar® (2 required) With Cut-outs	O.D. 9.875" I.D. 8.750" Thick. 0.045"		FX-23-83SK
Lining	Material: High Carbon (2 required) Solid	O.D. 9.875" I.D. 8.750" Thick. 0.045"		FX-23-83HC



FORD 6R80, 260mm (Late) (cont.)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Clutch Plate Friction	Bent External Teeth (40)	O.D. 10.775" I.D. 8.700" Thick. 0.159"		FX-26-2
Ball Bearing	Front Cover to Turbine Hub	O.D. 1.654" I.D. 1.181" Thick. 0.276"		FW-9-29
Rivet	8 required	Length 0.375" Shank Dia.: 0.310" Head Dia.: 0.470"		FX-12-8
Hex Nut	4 Required			FX-10-17

FORD 6R80, 280mm (Early)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia. 1.750" Length 1.500"		MHC-BU
Hub, Impeller	Material: Hardened Steel Hub Mount Butt Mount Pump Drive Style Slots	Assembled Height 2.270" Journal Dia.: 1.770"		FH-1-48GRC
Bearing	Enclosed	O.D. 3.670" I.D. 2.620" Thick. 0.162"		FW-2-13
Roller	Material: Steel 10 Required	Length 0.572" Dia. 0.312"		SR-7
Bearing	Enclosed	O.D. 3.391" I.D. 2.500" Thick. 0.150"		SW-2-11
Turbine Washer	Material: Fiber	O.D. 3.210" I.D. 2.340" Thick. 0.062"		FW-9-28
Piston Seal	Material: PTFE Solid	O.D. 2.356" Width: 0.090" Height: 0.100"		FO-25-21
Meta Cladl Seal	Material: Fluorocarbon	Housing Bore: 1.181" Shaft Dia.: 0.871"		FO-25-23
Lining	Material: Kevlar® (2 Required) With Cut-outs	O.D. 9.500" I.D. 8.250" Thick. 0.045"		FX-23-82SK
Lining	Material: High Carbon, (2 required) Solid	O.D. 9.500" I.D. 8.250" Thick. 0.045"		FX-23-82HC

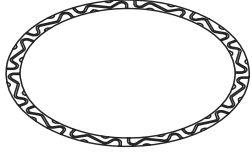
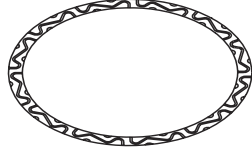





FORD 6R80, 280mm (Early) (cont.)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Ball Bearing	Front Cover to Turbine Hub	O.D. 1.654" I.D. 1.181" Thick. 0.276"		FW-9-29
Hex Nut	4 Required			FX-10-17

FORD 6R80, 280mm (Late)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia.: 1.750" Length 1.500"		MHC-BU
Hub, Impeller	Material: Hardened Steel Hub Mount Butt Pump Drive, Style: Slots	Assembled Height 2.270" Journal Dia.: 1.770"		FH-1-48GRC
Hub, Impeller	Material: Hardened Steel Butt Mount Pump Drive Style Flats	Assembled Height 2.270" Journal Dia.: 1.770"		FH-1-47GRC
Bearing	Material: Hardened Steel Bearing Style Enclosed	O.D. 3.670" I.D. 2.620" Thick. 0.162"		FW-2-14
Roller	Material: Steel 10 Required	Length 0.572" Dia. 0.312"		SR-7
Bearing	Material: Hardened Steel Enclosed	O.D. 3.391" I.D. 2.500" Thick. 0.150"		SW-2-11
Piston Seal Ring	Material: PTFE Seal Style Solid	O.D. 3.511" Width 0.103" Height 0.160"		FO-25-22
Metal Clad Seal	Material: Fluorocarbon	Housing Bore 1.181" Shaft Dia.: 0.871"		FO-25-23



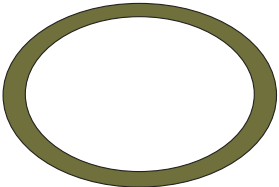
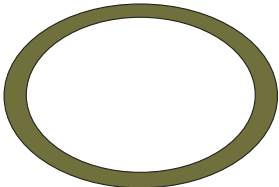
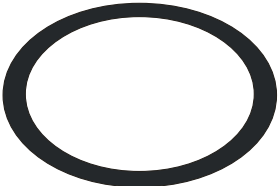
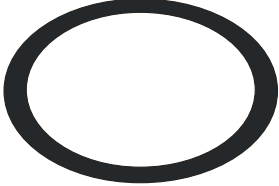


FORD 6R80, 280mm (Late) (cont.)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Lining	Material: Tan (2 Required) Solid Two required	O.D. 10.400" I.D. 9.200" Thick. 0.045"		FX-23-80MT
Lining	Material: Kevlar® (2 Required) Solid Two required	O.D. 10.400" I.D. 9.200" Thick. 0.070"		FX-23-80X70MK
Lining	Material: Kevlar®, with Cut-Outs 2 required	O.D. 10.400" I.D. 9.200" Thick. 0.045"		FX-23-80SK
Clutch Plate Friction	Teeth 40 Tab Style Bent External	O.D. 11.340" I.D. 9.145" Thick. 0.159"		FX-26-3
Ball Bearing	Front Cover to Turbine Hub	O.D. 1.654" I. D. 1.181" Thick. 0.276"		FW-9-29
Rivet	8 required	Length 0.375" Shank Dia.: 0.310" Head Dia.: 0.470"		FX-12-8
Hex Nut	4 Required	M10 x1.0, 8.5mm High		FX-10-17




FORD 6F50/6F55

	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
Hub, Impeller	Material: Hardened Steel Flanged	Assembled Height 1.530" Height 1.720" Journal Dia.: 2.059" Flange Dia.: 3.500"		SH-1-63GRC
Bearing	Enclosed	O.D. 3.365" I.D. 2.402" Thick. 0.213" Flange Dia.: 3.405"		SW-2-34
Bearing	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	Rivet Type: Solid Rivet Head: Flat 12 Required	Length 0.380" Shank Dia.: 0.238" Head Dia.: .380"		SX-12-18
Turbine Hub	Material: Steel	27 Internal Spline		SX-13-43HT

FORD 6F50/6F55 (cont.)

	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
	Turbine Washer	Material: Plastic 8 Outer Notches	O.D. 1.484" I.D. 1.010" Thick. 0.136"		SW-9-19
	Turbine Washer	Material: Vespel® 8 Outer Notches	O.D. 1.484" I.D. 1.010" Thick. 0.136"		SW-9-20

FORD 6F50 / 6F55 (cont.)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Turbine Washer	Material: Plastic 8 Outer Notches	O.D. 1.484" I.D. 1.010" Thick. 0.154"		SW-9-21
Turbine Washer	Material: Vespel® 8 Outer Notches	O.D. 1.484" I.D. 1.010" Thick. 0.154"		SW-9-22
Bolt	Hex Head, Flange	M10-1.50 x 15mm		B-78

GM 6L80, 6L80E, 6L90 300mm

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia.: 1.750" Length 1.500"		MHC-BU
Hub Impeller	For 6L80 Material: Hardened Steel Hub Mount: Butt Mount Pump Drive Style:	Assembled Height 2.380" Journal Dia.: 1.834"		SH-1-57GRC
Hub Impeller	late 6L80 & 6L90 Material: Hardened Steel Hub Mount: Flanged Pump Drive Style: Slots	Assembled Height 2.527" Height 2.830" Journal Dia.: 1.834" Flange Dia.: 4.193"		SH-1-64GRC
Bearing	For 6L80 Early. Material: Hardened Steel Enclosed	O.D. 3.661" I.D. 2.598" Thick. 0.179"		SW-2-33
Bearing	Impeller side, late 6L80 & 6L90, 6L80E Material: Hardened Steel	O.D. 3.583" I.D. 2.502" Thick. 0.159"		SW-2-39
Bearing Race	Impeller side, late 6L80 & 6L90, 6L80E Material: Hardened Steel	O.D. 3.420" I.D. 2.600" Thick. 0.077" 3 I.D. Tang		SW-2-41
Cam, Outer	Material: Steel	O.D. 3.602" Length 0.591" 10 Pocket		SX-15A
Accordion Spring	Material: Steel 10 Required	Width 0.560" Relaxed Height 0.225" Relaxed Length 0.438" 4 Fold		SS-6
Roller	Material: Steel 10 Required	Length 0.572" O.D. 0.312"		SR-7
Inner Race	Material: Hardened Steel	O.D. 2.156" Length 0.875" 36 Internal Spline		SX-14-10



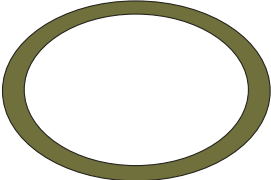
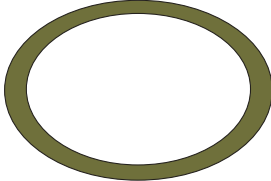
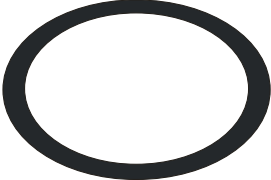
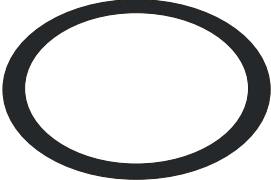


GM 6L80, 6L80E, 6L90 300mm (cont.)

	DESCRIPTIO	DIMENSIONS	ILLUSTRATION	PART#
Stator Cap	Material: Aluminum	O.D. 4.261" I.D. 1.940" Thick. 0.302"		SW-4-30
Bearing	Late 6L80 & 6L90 Turbine Side Material: Hardened Steel Enclosed	O.D. 3.577" I.D. 2.517" Thick. 0.239"		SW-2-40
Bearing	For 6L80 Early. Turbine Side Material: Hardened Steel Enclosed	O.D. 3.661" I.D. 2.598" Thick. 0.179"		SW-2-33
Rivet	Rivet Type: Solid Rivet Head: Flat 10 Required	Length 0.500" Shank Dia.: 0.193" Head Dia.: 0.333"		SX-12-16
Turbine Hub	Material: Steel	36 Internal Spline 55 External Spline		SX-13-41HT
Rivet	Rivet Type: Solid Rivet Head: Flat 6 Required	Length 0.414" Shank Dia.: 0.235" Head Dia.: 0.300"		SX-12-19
O-Ring	Material: Fluorocarbon	I.D. 2.300" Cross Section 0.103"		SO-23-36
Lining	Material: Kevlar®	O.D. 11.125" I.D. 9.813" Thick. 0.045"		FX-23-52K
Lining	Material: Kevlar®	O.D. 11.125" I.D. 9.813" Thick. 0.070"		FX-23-52X70K
Lining	Material: High Carbon	O.D. 11.125" I.D. 9.813" Thick. 0.045"		FX-23-52HC
Lining	Material: High Carbon	O.D. 11.125" I.D. 9.813" Thick. 0.070"		FX-23-52X70HC
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" Length 1.500"		MHC-BU
Hub Impeller	Material: Hardened Steel Hub Mount: Flanged Pump Drive Style: Slots	Assembled Height 2.527" Height 2.830" Journal Dia.: 1.834" Flange Dia.: 4.193"		SH-1-64GRC
Bearing	Impeller Side Material: Hardened Steel Semi-Enclosed	O.D. 3.583" I.D. 2.502" Thick. 0.159"		SW-2-39
Bearing Race	Impeller Side Material: Hardened Steel 3 I.D. Tang	O.D. 3.420" I.D. 2.600" Thick. 0.077"		SW-2-41
Cam, Outer	Material: Steel	O.D. 3.602" Length 0.591" 10 Pocket		SX-15A
Accordion Spring	Material: Steel 4 Fold 10 Required	Width 0.560" Relaxed Height 0.225" Relaxed Length 0.438"		SS-6
Roller	Material: Steel 10 Required	Dia.: 0.312" Length 0.572"		SR-7
Inner Race	Material: Hardened Steel 36 Internal Spline	O.D. 2.156" Length 0.875"		SX-14-10
Stator Cap	Turbine Side Material: Aluminum	O.D. 4.265" I.D. 1.930" Thick. 0.430"		SW-4-31
Bearing	Turbine Side Material: Hardened Steel Enclosed	O.D. 3.577" I.D. 2.517" Thick. 0.239"		SW-2-40
Rivet	Rivet Type: Solid Rivet Head: Flat 10 Required	Length 0.500" Shank Dia.: 0.193" Head Dia.: 0.333"		SX-12-16


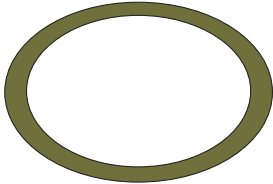
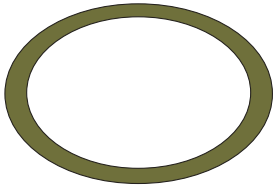
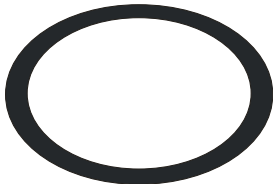
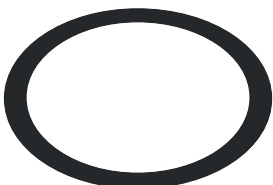


GM 6L90 Captive Clutch (cont.)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Turbine Washer	6L80, 6L90 (300mm), 6L90 (Captive Clutch) Material: Plastic	O.D. 3.150" I.D. 2.557" Thick. 0.047" 4 Inner Notch		SW-9-23
Seal Ring	Piston Material: PTFE Color: Black Seal Style: Solid	O.D. 2.586" Width 0.113" Height 0.081"		SO-23-43
Lining	Material: Kevlar®	O.D. 10.125" I.D. 9.000" Thick. 0.045"		FX-23-65K
Lining	Material: Kevlar®	O.D. 10.170" I.D. 9.055" Thick. 0.070"		FX-23-65X70K
Lining	Material: High Carbon	O.D. 10.170" I.D. 9.055" Thick. 0.045"		FX-23-65HC
Lining	Material: High Carbon	O.D. 10.170" I.D. 9.055" Thick. 0.070"		FX-23-65X70HC
Rivet	Rivet Type: Solid Rivet Head: Flat Front Cover 6 Required	Length 0.296" Shank Dia.: 0.196" Head Dia.: 0.310"		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 (cont.)

	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
Turbine Washer	Material: Plastic 8 Outer Notches	O.D. 1.484" I.D. 1.010" Thick. 0.136"		SW-9-19
Turbine Washer	Material: Vespel® 8 Outer Notches	O.D. 1.484" I.D. 1.010" Thick. 0.136"		SW-9-20

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

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia. 1.750" Length 1.500"		MHC-BU
Impeller Hub	Butt Style, Heat Treated	Journal Dia.: 1.811" Height 1.740"		JH-1-42GRC
Impeller Hub	Material: Hardened Steel Hub Mount: Flanged	Assembled Height: 1.702" Height: 1.904" Journal Dia.: 1.811" Flange Dia.: 3.660"		JH-1-43FLG
Bearing	Impeller Side Material: Hardened Steel Enclosed	O.D. 3.230" I.D. 2.210" Thick. 0.240"		JW-2-28
Bearing	Turbine Side Material: Hardened Steel 12 Enclosed Tangs	Tangs Dia.: 3.500" O.D. 2.430" I.D. 1.500" Thick. 0.150"		JW-2-29
Rivet	Rivet Type: Solid Rivet Head: Flat 10 Required For Turbine Hub	Length 0.631" Shank Dia.: 0.198" Head Dia.: 0.290"		JX-12-8
Turbine Hub	Material: SAE 1045 Steel Forging 24 Internal Spline	Hardened Internal Spline		JX-13-53HT
Seal Ring	Material: PTFE Square Cut	O.D. 1.699" Width 0.090" Height 0.089"		JO-25-16
Rivet	Rivet Type: Solid Rivet Head: Flat For Damper	Length 0.285" Shank Dia.: 0.158" Head Dia.: 0.220"		JX-12-7

JATCO RE5R05A DA-65
Nissan Titan 5.6L 2004-07 (cont.)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
	Clutch Plate Friction 40 Internal Teeth	O.D. 6.46" I.D. 5.15" Thick. 0.071"		JX-23-34
	Clutch Plate Material: Steel 36 External Teeth	O.D. 6.76" I.D. 5.61" Thick. 0.071"		JX-23-35
	Pressure Plate Material: Steel 36 External Teeth	O.D. 6.76" I.D. 5.61" Thick. 0.26"		JX-23-36
	D-Ring Material: Fluorocarbon	O.D. 6.220" Width 0.089" Height 0.158"		JO-25-14
	D-Ring Material: Fluorocarbon	I.D. 2.070" Thick. 0.080"		JO-25-13
	Bushing Material: Bimetal Precision	Width: 0.400" Housing Bore: 1.678" Shaft Dia.: 1.537"		JB-18-11

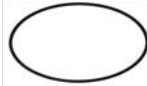

JATCO RE7R01A (JR710E)
7 speed, Infinity, Nissan '09 & Up

	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, JF010E (RE0F09A)
NISSAN

	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


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

	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: Plastic 8 Outer Notch	O.D. 1.487" I.D. 1.020" Thick. 0.189"		JW-9-16


JATCO JF011E (RE0F10A)
NISSAN

	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

JATCO, JF011E (RE0F10A)
NISSAN (cont.)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Turbine Washer	Material: Bronze	O.D. 1.650" I.D. 1.060" Thick. 0.170"		JW-9-15






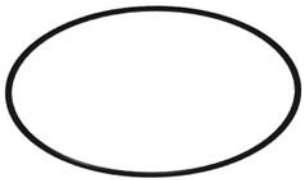

ZF6HP19, 245mm (LuK)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia. 1.750" Length 1.500"		MHC-BU
Seal Ring	Material: PTFE Solid, Color: White With a Large 30° Chamfer on the O.D.	O.D. 2.404" Width 0.087" Height 0.081"		PO-25-10
Lining	Material: Tan Grooved OE Design	O.D. 8.645" I.D. 7.323" Thick. 0.045"		PX-23-25MT
Lining	Material: Kevlar® Grooved OE Design	O.D. 8.645" I.D. 7.323" Thick. 0.045"		PX-23-25MK
Lining	Material: Kevlar® Grooved OE Design	O.D. 8.645" I.D. 7.323" Thick. 0.070"		PX-23-25X70MK
Clutch Plate	Friction Internal Spline	O.D. 8.670" I.D. 6.300" Thick. 0.138"		PX-26-21
Rivet	Rivet Head Flat Rivet Type Solid 6 Required	Length 0.272" Shank Dia.: 0.200" Head Dia.: 0.280"		PX-12-2




ZF6HP21, 245mm (LuK)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Blue	For Hub Dia.: 1.750" Length: 1.500		MHC-BU
Seal Ring	Material: PTFE Solid, Color: White With a Large 30° Chamfer on the O.D.	O.D. 2.410" Width 0.087" Height 0.081"		PO-25-10
Lining	Material: Tan Grooved OE Design	O.D. 8.645" I.D. 7.323" Thick. 0.045"		PX-23-25MT
Lining	Material: Kevlar® Grooved OE Design	O.D. 8.645" I.D. 7.323" Thick. 0.045"		PX-23-25MK
Lining	Material: Kevlar® Grooved OE Design	O.D. 8.645" I.D. 7.323" Thick. 0.070"		PX-23-25X70MK
Clutch Plate	Friction 4 Internal Tab	O.D. 8.670" I.D. 4.240" Thick. 0.138" Bolt Circle Dia.: 4.975"		PX-26-20
Rivet	Rivet Head Flat Rivet Type Solid 6 Required	Length 0.272" Shank Dia.: 0.200" Head Dia.: 0.280"		PX-12-2
Rivet	Type: Solid Rivet Head: Flat 8 Required	Length 0.278" Shank Dia.: 0.236" Head Dia.: 0.355"		PX-12-4

ZF8HP45

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color: Red	For Hub Dia.: 2.000"		MHC-R
Bearing	Material: Hardened Steel Enclosed	O.D. 2.440" I.D. 1.496" Thick. 0.181"		PW-2-10HD
Clutch Plate	Material: Steel 30 External Teeth	O.D. 8.151" I.D. 6.499" Thick. 0.169"		PX-26-17
Clutch Plate	Friction 80 Internal Teeth	O.D. 7.768" I.D. 6.120" Thick. 0.096"		PX-26-14
Clutch Plate	Material: Steel 30 External Teeth	O.D. 8.151" I.D. 6.499" Thick. 0.109"		PX-26-18
Seal Ring	Material: Fluorocarbon Color Black Solid	O.D. 7.700" Width 0.072" Height 0.176"		PO-25-11
O-Ring	Material: Fluorocarbon Color Black	I.D. 0.703" Cross Section 0.083"		PO-25-14




ZF8HP45 (cont.)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
	Seal Ring Material: Torlon® Seal Style Compound Finger Joint	O.D. 1.722" Width 0.094"		PO-25-13
	Turbine Washer Material: Vespel®	O.D. 1.516" I.D. 0.984" Thick. 0.079"		PW-9-9
	Seal Ring Material: Fluorocarbon Color Black 4-Lobed	O.D. 4.349" Width 0.194" Height 0.174"		PO-25-12

ZF8HP55

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
Hubcap®	Material: Plastic Color Red	For Hub Dia.: 2.000"		MHC-R
Bearing	Material: Hardened Steel Enclosed	O.D. 2.440" I.D. 1.496" Thick. 0.181"		PW-2-10HD
Clutch Plate	Material: Steel 30 External Teeth Turbine side	O.D. 8.151" I.D. 6.499" Thick. 0.169"		PX-26-17
Clutch Plate	Friction 80 Internal Teeth 2 required	O.D. 7.768" I.D. 6.120" Thick. 0.096"		PX-26-14
Clutch Plate	Material: Steel 30 External Teeth Install Between 2 Friction Plates	O.D. 8.151" I.D. 6.499" Thick. 0.071"		PX-26-19
Clutch Plate	Material: Steel 30 External Teeth Front Cover Side	O.D. 8.151" I.D. 6.499" Thick. 0.109"		PX-26-18
Seal Ring	Material: Fluorocarbon Color Black Solid	O.D. 7.700" Width 0.072" Height 0.176"		PO-25-11
O-Ring	Material: Fluorocarbon Color: Black	I.D. 0.703" Cross Section 0.083"		PO-25-14

ZF8HP55 (cont.)

	DESCRIPTION	DIMENSIONS	ILLUSTRATION	PART#
	Seal Ring Material: Torlon® Seal Style Compound Finger Joint	O.D. 1.722" Width 0.094"		PO-25-13
	Turbine Washer Material: Vespel®	O.D. 1.516" I.D. 0.984" Thick. 0.079"		PW-9-9
	Seal Ring Material: Fluorocarbon Color Black 4-Lobed	O.D. 4.349" Width 0.194" Height 0.174"		PO-25-12

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

TRI-REFERENCE NUMBERS INTERCHANGE

TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#
35400C	GM-N-14H	CR-7-1	GM-RO-556	FB-18-8	FD-B-11
35402B	GM-N-15	CS-6	GM-S-1	FB-18-9	FD-B-10
35403B	GM-N-16	CS-6-1	GM-S-5	FC-6-11	FD-SP-1
49003	SU-B-1	CSK-1HP	GM-PI-125K	FC-6-4	BW-SP-1
65002A	35007B	CSK-3HP	GM-PI-250K	FH-1-11FG	FD-H-9FG
77410E	8647041	CSK-4HP	GM-PI-375K	FH-1-11FGRC	FD-90-9FG
84048	HO-O-1V	CSK-5HP	GM-PI-500K	FH-1-12GRC	FD-90-32G
85916-01	85916-01	CW-13-7HP	GM-HTCM-29	FH-1-13FLG	FD-90-22G
85916-01U	85916-01U	CW-4	CV-WA-1	FH-1-13G	FD-H-17G
96099S	96201-18	CW-4-300	CV-WP3-OE	FH-1-13GRC	FD-90-17G
AO-25-1	AS-O-1V	CW-4-3P	CV-WP2-OE	FH-1-14FG	FD-H-35FG
AW-2-1	AW-N-1	CW-4-4	CV-WA-3	FH-1-14FGRC	FD-90-35FG
AW-2-2	AW-N-2	CW-4P	CV-WP1-OE	FH-1-14TG	FD-H-35BG
AW-2-3	AW-N-3	CW-9-062	CV-WF-062	FH-1-14TGM	FD-H-24BG
AW-2-4	AW-N-4	CW-9-094	CV-WF-094	FH-1-14TGMRC	FD-90-24BG
AXK-2035	MI-N-1	CW-9-3BF	FD-WF-156	FH-1-14TGRC	FD-90-35BG
B-41	B41	CW-9-3F	FD-WF-125	FH-1-15TGRC	FD-90-20BG
B-42	B42	CW-9F	CV-WF-125	FH-1-16FGRC	FD-90-15FG
B-61	B61	CX-13	CV-HT-2	FH-1-18FLG	FD-90-37G
B-62	B62	CX-13-1	CV-HT	FH-1-20G	FD-H-25G
B-63	B63	CX-13-1HT	CV-HT-HS	FH-1-23GRC	FD-90-45FG
B-78	B78	CX-13HT	CV-HT-2HS	FH-1-25FLG	FD-H-41-CP
B-79	B79	CX-14	CV-HR-2	FH-1-27FGRC	FD-90-48FG
BC-6HD	MI-SP-7	CX-14-1	CV-R-1	FH-1-300ELG	FD-H-51G
BC-6HDA	MI-SP-6	CX-14CB	CH-HR-4	FH-1-300ELGRC	FD-90-51G
BH-1-1G	BW-H-43G	CX-5-14HP	3473073	FH-1-30FG	FD-H-30FG
BH-1-4GRC	BW-90-2G	CX-5-15HP	3473031	FH-1-30FGRC	FD-90-30FG
BX-13	BW-HT-16	CX-5-29HP	GM-R-8	FH-1-38HP	FD-90CM-40G
BX-13-2	BW-HT-17	CX-5-30HP	FD-R-10	FH-1-3F	FD-H-3FX
BX-13-2HT	BW-HT-17HS	D-10	CI-O-2	FH-1-3FG	FD-H-3FG
BX-13-3	BW-HT-18	D-11	CI-B-1	FH-1-3FGRC	FD-90-3FG
BX-13-3HT	BW-HT-18HS	D-12	CI-B-2	FH-1-40FLG	FD-90-61G
BX-13-4	BW-HT-14	D-22A	CI-N-3	FH-1-43FLG	FD-90-54FG
BX-13HT	BW-HT-16HS	D-23	CI-MI-3	FH-1-45GRC	FD-90-63FG
BX-14	BW-R-55	D-5	CI-S-1	FH-1-46FLG	FD-90-140G
CB-18	CV-B-1	D-7	CI-O-1	FH-1-47GRC	FD-90-68G
CH-1-10TG	GM-H-8G	D-9	CI-MI-1	FH-1-48GRC	FD-90-62G
CH-1-10TGRC	GM-90-8G	FB-18	FD-B-1	FH-1-4FG	FD-H-4FG
CH-1-8G	GM-H-3G	FB-18-3	FD-B-3	FH-1-4FGRC	FD-90-4FG
CH-1-8TGRC	GM-90-3G	FB-18-4	FD-B-2	FH-1-500G	FD-H-DD
CK-3HP	8GMRKCC	FB-18-4X	FD-B-2X	FH-1-500GRC	FD-90-DD
CK-6HP	10GMKHP	FB-18-6	FD-B-4	FH-1-55FLG	FD-90-59G
CR-7	GM-RO-864	FB-18-7	FD-B-9	FH-1-5FG	FD-H-5FG

TRI-REFERENCE NUMBERS INTERCHANGE

TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#
FH-1-5FGRC	FD-90-5FG	FO-25-20	FD-O-24V	FW-4-11	FD-WA-1
FH-1-6F	FD-H-6FX	FO-25-21	FD-O-29	FW-4-12	FD-WP8-OE
FH-1-6FG	FD-H-6FG	FO-25-22	FD-O-30	FW-4-14	FD-WA-7
FH-1-6FGRC	FD-90-6FG	FO-25-23	FD-O-32V	FW-4-15	FD-WP9-OE
FH-1-7GRC	FD-90-27G	FO-25-24	FD-O-25V	FW-4-17	FD-WA-3
FH-1-7K	FD-90-28G	FO-25-25	FD-O-28V	FW-4-18	FD-WA-4
FH-1-8FG	FD-H-8FG	FO-25-31	FD-O-27V	FW-4-19	FD-WP7-OE
FH-1-8FGRC	FD-90-8FG	FO-25-32	FD-O-31V	FW-4-22	FD-WP12-OE
FH-1-9FG	FD-H-10FG	FO-25-33	FD-O-26V	FW-4-23	FD-WA-12
FH-1-9FGRC	FD-90-10FG	FO-25-4	FD-O-3V	FW-4-24	FD-WA-9
FH-1-CB11G	FD-H-38BG	FO-25-5V	FD-O-4V	FW-4-25	FD-WA-10
FH-1-CB11GRC	FD-90-38BG	FO-25-5X	FD-O-18V	FW-4-27	FD-WA-14
FH-1-CB13GRC	FD-90-8BG	FO-25-6	FD-O-5V	FW-4-28	FD-WP20-OE
FH-1-CB14G	FD-H-3BG	FO-25-7	FD-O-6V	FW-4-29	FD-WP19-OE
FH-1-CB14GRC	FD-90-3BG	FO-25-7X	FD-O-13V	FW-4-2P	FD-WP3-OE
FH-1-CB16G	FD-H-9BG	FO-25-8	FD-O-8V	FW-4-30	FD-WP18-OE
FH-1-CB16GRC	FD-90-9BG	FO-25-8A	FD-O-17V	FW-4-33	FD-WA-20
FH-1-CB3	FD-90-3BX	FO-25-9	FD-O-7V	FW-4-34	FD-WS-27
FH-1-CB30G	FD-H-30BG	FR-7	FD-RO-900	FW-4-35	FD-WA-18
FH-1-CB30GRC	FD-90-30BG	FR-7-2	FD-RO-705	FW-4-37	FD-WA-25
FH-1-CB3G	FD-H-16BG	FR-7-3	JA-RO-6	FW-4-38	FD-WA-27
FH-1-CB3GRC	FD-90-16BG	FS-6-2	FD-S-1	FW-4-39	FD-WA-26
FH-1-CB4G	FD-H-4BG	FS-6-5	FD-S-3	FW-4-3P	FD-WP-AP
FH-1-CB4GRC	FD-90-4BG	FS-6-8	FD-S-2	FW-4-4A	FD-WA-8
FH-1-CB5G	FD-H-5BG	FW-2-1	FD-WS-2	FW-4-4P	FD-WP6-OE
FH-1-CB5GRC	FD-90-5BG	FW-2-10	FD-N-9	FW-4-7	FD-WP1-OE
FH-1-CB6	FD-90-6BX	FW-2-11	FD-N-10	FW-4-9	FD-WP2-OE
FH-1-CB6G	FD-H-6BG	FW-2-12	FD-N-15	FW-9	BW-WP3-OE
FH-1-CB6GRC	FD-90-6BG	FW-2-13	FD-N-14	FW-9-10	FD-WA-6
FH-1-CB9G	FD-H-10BG	FW-2-14	FD-N-13	FW-9-10C	FD-WA-5
FH-1-CB9GRC	FD-90-10BG	FW-2-15	FD-N-11	FW-9-12A	FD-WB-3A
FO-1-20	FD-O-1	FW-2-16	FD-N-12	FW-9-12B	FD-WB-3B
FO-1-21	FD-O-2	FW-2-1A	FD-WS-3	FW-9-12C	FD-WB-3C
FO-25-1	FD-O-52	FW-2-3	FD-N-1	FW-9-12D	FD-WB-3D
FO-25-11	FD-O-40	FW-2-4	FD-N-2	FW-9-14	FD-WA-17
FO-25-12	FD-O-9	FW-24-8HP	FD-WS-14	FW-9-16A	FD-WB-4A
FO-25-13	FD-O-20	FW-2-4A	FD-N-3	FW-9-16B	FD-WB-4B
FO-25-14	FD-O-21	FW-2-5	FD-N-8	FW-9-16C	FD-WB-4C
FO-25-15	FD-O-15	FW-2-6	FD-N-5	FW-9-16D	FD-WB-4D
FO-25-16	FD-O-16	FW-2-8	FD-N-6	FW-9-16E	FD-WB-4E
FO-25-17	FD-O-19A	FW-2-9	FD-N-7	FW-9-17	FD-WP21-OE
FO-25-18	FD-O-23V	FW-2BK	FD-N-1K	FW-9-18	FD-WS-6
FO-25-19	FD-O-22	FW-4-10	FD-WA-2	FW-9-19	FD-WP-17A

TRI-REFERENCE NUMBERS INTERCHANGE

TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#
FW-9-22	FD-WS-23	FX-13-16	FD-HT-30	FX-13-8	BW-HT-2
FW-9-23	FD-WS-17	FX-13-19	FD-HT-E4OD	FX-13-8HT	BW-HT-2HS
FW-9-24	FD-WS-18	FX-13-19BK	FD-HT-13K	FX-13GM	FDGM-HT-HP
FW-9-26	FD-WP-26	FX-13-19CK	FD-HT-14K	FX-13GMHT	FDGM-HT-HPHS
FW-9-27	FD-WP-28	FX-13-19CKHT	FD-HT-14HSK	FX-14	BW-HR-4
FW-9-28	FD-WF-3	FX-13-19HT	FD-HT-E4ODHS	FX-14-1	FD-R-6
FW-9-29	FD-N-16	FX-13-2	FD-HT-6	FX-14-2	FD-R-4
FW-9-30	FD-WP23-OE	FX-13-20	FD-HT-AODE	FX-14-27	FDGM-R-HP
FW-9-31	FD-N-17	FX-13-20HT	FD-HT-AODEHS	FX-14-5	FD-R-7
FW-9-4AF	FD-WF-062	FX-13-21	FD-HT-16	FX-14-9	FD-HR-11
FW-9-4EF	FD-WF-094	FX-13-21HT	FD-HT-16HS	FX-14CB	FDGM-R-1
FW-9-4G	FD-WF-188	FX-13-22	FD-HT-34	FX-17-9HP	FD-PI-1
FW-9-4GF	FD-WF-188	FX-13-22HT	FD-HT-34HS	FX-20-11	FD-SR-2
FW-9-4TF	FD-WF-047	FX-13-26	FD-I-26	FX-21-1005	MI-RR-5
FW-9-6	FD-WB-2	FX-13-27HD	FDGM-HT-1	FX-21-1005NR	MI-RR-5N
FW-9-9	FD5-WF-062	FX-13-28K	FD-I-2K	FX-21-846	MI-RR-4
FW-9-9A	FD5-WF-047	FX-13-2S	FD-HT-6HS	FX-21-846NR	MI-RR-4N
FX-10-17	N61	FX-13-30	FD-HT-3	FX-22-10K	FD-WS-1
FX-10-18	GM-BM-2	FX-13-30HT	FD-HT-3HS	FX-22-12A	FD-WS-7
FX-10-21K	FD-FN-6K	FX-13-31	FD-HT-12	FX-22-21	FD-I-4
FX-10-4	FD-FN-4	FX-13-31HT	FD-HT-12HS	FX-22-22	FD-WS-12
FX-10-5	BW-FN-1	FX-13-32HT	FD-HT-39HS	FX-22-23	FD-I-5
FX-10-6	MI-FN-1	FX-13-33	FD-HT-25	FX-22-25	FD-IK-01
FX-10-7	26761	FX-13-33HT	FD-HT-25HS	FX-22-26	FD-I-7
FX-11	FD-DP-1B	FX-13-34	FD-HT-31	FX-22-26K	FD-HTCM-26K
FX-11	MI-DP-1S	FX-13-34HT	FD-HT-31HS	FX-22-27	FD-CC-16
FX-11A	MI-DP-1B	FX-13-35	FD-HT-33	FX-22-28	FD-WS-13
FX-12	FD-RV-1	FX-13-35HT	FD-HT-33HS	FX-22-29	FD-CC-17S
FX-12-10	FD-RV-10	FX-13-37HT	FD-HT-32HS	FX-22-30	FD-WS-31
FX-12-4	FD-RV-2	FX-13-39HT	FD-HT-5HS	FX-22-35	FD-CC-12D
FX-12-6	MZ-RV-1L	FX-13-3S	FD-HT-27	FX-22-36	FD-CC-17L4
FX-12-8	FD-RV-11	FX-13-41HP	8TH26	FX-22-37	FD-CC-21S
FX-12-9	FD-RV-8	FX-13-42HP	10THC6	FX-22-38	FD-CC-22S
FX-12L	FD-RV-1L	FX-13-43HT	FD-HT-41HS	FX-22-4D	FD-CC-12D
FX-12LS	FD-RV-3	FX-13-44HT	FD-HT-37HS	FX-22-6D	FD-CC-11
FX-13-1	FD-HT-4E	FX-13-45HT	FD-HT-40HS	FX-23-10	FD-FE-7
FX-13-10	FD-HT-AOD	FX-13-45HTK	FD-HT-40HSK	FX-23-106	FD-DA-5
FX-13-10HT	FD-HT-AODHS	FX-13-46HT	FD-HT-66HS	FX-23-108	FD-DA-8
FX-13-13S	FD-HT-A4LD	FX-13-48HT	FD-HT-38HS	FX-23-109	FD-DA-6
FX-13-13SHT	FD-HT-A4LDHS	FX-13-4HT	FD-HT-4HS	FX-23-10HC	B45010HTS
FX-13-14	FD-HT-AXOD	FX-13-4S	FD-HT-4	FX-23-10K	B45010HTE
FX-13-15	FD-HT-65	FX-13-6	FD-HT-4T	FX-23-10X70HC	B66010HTS
FX-13-15HT	FD-HT-65HS	FX-13-7	BW-HT-6	FX-23-10X70K	B66010HTE

TRI-REFERENCE NUMBERS INTERCHANGE

TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#
FX-23-11	FD-DA-9K	FX-23-65X70HC	B66960HTS	HO-25-2	MB-O-4V
FX-23-11N	FD-DA-9	FX-23-65X70K	B66960HTE	HO-25-3	MB-O-5V
FX-23-13HC	B45030HTS	FX-23-66	FD-DA-19PB	HO-25-5	MB-O-8V
FX-23-13K	B45030HTE	FX-23-66A	FD-DA-19PBF	HO-25-6	MB-O-9
FX-23-13X70HC	B66030HTL	FX-23-68	FD-DA-18PB	HO-25-7	MB-O-6V
FX-23-13X70K	B66030HTL	FX-23-68A	FD-DA-18PBF	HO-25-8	MB-O-11V
FX-23-17K	B45170HTE	FX-23-69HC	B45650HTS	HO-25-9	MB-O-12V
FX-23-17X70K	B66170HTE	FX-23-6HC	B45120HTS	HW-2-1	MB-N-3
FX-23-18K	B45100HTE	FX-23-6K	B45120HTE	HW-2-2	MB-N-2
FX-23-19K	B45380HTE	FX-23-6X70HC	B66120HTS	HW-2-3	MB-N-1
FX-23-24HC	B45540HTS	FX-23-6X70K	B66120HTE	HW-2-6	MB-N-4
FX-23-24K	B45540HTE	FX-23-74SHC	B45606HTS	HW-2-7	MB-N-5
FX-23-26HC	B45190HTS	FX-23-74SK	B45606HTE	HX-10K	MB-FN-2K
FX-23-26K	B45190HTE	FX-23-76	FD-CP-13	HX-12S	JA-RV-4
FX-23-26X70HC	B66190HTS	FX-23-77	FD-CP-12	HX-20-1	MB-SR-3
FX-23-26X70K	B66190HTE	FX-23-79	FD-DA-23P	HX-20-2	MB-SR-2
FX-23-28HC	B45551HTS	FX-23-80MK	B45955HTE	HX-22-1	MB-HB-1K
FX-23-28K	B45551HTE	FX-23-80SK	B45955HTE	HX-23	MB-CP-9K
FX-23-28X70HC	B66551HTS	FX-23-81	FD-CP-140	HX-23-10MHC	B45590HTS
FX-23-28X70K	B66551HTE	FX-23-82SK	B45935HTE	HX-23-10MK	B45590HTE
FX-23-30X70HC	B66750HTS	FX-23-83SK	B45950HTE	HX-23-13	MB-CP-10R
FX-23-31	FD-CP-1	FX-23-86K	B45410HTE	HX-23-13K	MB-CP-10KA
FX-23-32	FD-CP-2	FX-23-88X70T	B45340HTE	HX-23-15K	MB-CP-11KA
FX-23-43	FD-DA-14	FX-23-89K	B45080HTE	HX-23-16	MB-CP-8BW
FX-23-45	FD-DA-13	FX-23-8N	FD-DA-7	HX-23-17	MB-CP-14S
FX-23-52HC	B45750HTS	FX-23-91WC	S20290WC	HX-23-18	MB-CP-15S
FX-23-52K	B45750HTE	FX-23-92WC	S20636WC	HX-23-19	MB-CP-12
FX-23-52K	B45750HTE	FX-26-1	FD-CP-15	HX-23-1K	MB-CP-3KR
FX-23-52WC	S20750WC	FX-26-2	FD-CP-18	HX-23-2	MB-CP-4K
FX-23-52X70HC	B66750HTS	FX-26-3	FD-CP-19	HX-23-3	MB-CP-6K
FX-23-52X70K	B66750HTE	FX-26-5	FD-CP-140	HX-23-4K	MB-CP-7K
FX-23-53	FD-CP-7	FX-8-13	FD-WS-11	HX-23-5K	MB-CP-272K
FX-23-57HC	B45070HTS	FX-8-15	FD-WS-28	HX-23-6K	MB-CP-290K
FX-23-57K	B45070HTE	HB-18	MB-B-1	HX-23-8K	MB-CP-7KBW
FX-23-57X70HC	B66070HTS	HB-18T	MB-B-1T	HX-24-1	MB-S-1
FX-23-57X70K	B66070HTE	HH-1-2C	MB-90-1G	HX-24-2	MB-S-2
FX-23-60	FD-DA-17PB	HH-1-3C	MB-90-2G	JB-18-10	JA-B-3
FX-23-60A	FD-DA-17PBF	HH-1-5GRC	MB-90-5G	JB-18-11	JA-B-4
FX-23-61	FD-WS-21	HH-1-6C	MB-90-4G	JB-18-2	NI-B-1
FX-23-63HC	B45290HTS	HH-1-9GRC	MB-90-6G	JB-18-3	JA-B-1
FX-23-63K	B45290HTE	HO-25-1	MB-O-2V	JB-18-6	JA-B-2
FX-23-63X70K	B66290HTE	HO-25-11	MB-O-10	JB-18-7	MZ-B-2
FX-23-65K	B45960HTE	HO-25-12	MB-O-7V	JB-18-8B	MZ-B-1

TRI-REFERENCE NUMBERS INTERCHANGE

TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#
JB-18-8X	MZ-B-1X	JO-25-5	FD-O-60	JW-4-26	JA-WA-9
JB-18-9	MZ-B-1A	JO-25-7	SU-O-58	JW-4-27	JA-WA-10
JH-1-14GRC	NI-90-4G	JO-25-8	MZ-O-40	JW-4-28	MZ-WA-13
JH-1-16G	JA-H-3G	JO-25-9	JA-O-4	JW-4-32	JA-WA-11
JH-1-16GRC	JA-90-3G	JR-7-1	JA-RO-1	JW-4-33	JA-WA-12
JH-1-19FLGRC	MZ-90-1G	JR-7-2	JA-RO-4	JW-4-34	JA-WA-13
JH-1-20FLGRC	MZ-90-2G	JR-7-3	JA-RO-7	JW-4-35	JA-WA-14
JH-1-21GRC	NI-90-1G	JS-6-1	JA-S-1	JW-4-36	JA-WA-15
JH-1-22GRC	NI-90-2G	JW-2-10	MZ-N-2	JW-4-37	JA-WA-16
JH-1-24GRC	NI-90-3G	JW-2-12	MZ-N-1	JW-4-38	JA-WA-17
JH-1-25GRC	JA-90-1G	JW-2-14	JA-N-4	JW-4-40	MZ-WA-10
JH-1-26GRC	SU-90-1G	JW-2-15	JA-N-5	JW-4-41	MZ-WA-9
JH-1-27GRC	JA-90-2G	JW-2-16	JA-N-6	JW-4-9	MZ-WA-5
JH-1-31G	JA-H-6G	JW-2-17	JA-N-8	JW-9-10	MZ-WF-1
JH-1-31GRC	JA-90-6G	JW-2-18	JA-N-9	JW-9-12	JA-WB-2
JH-1-32FLGRC	JA-90-4G	JW-2-2	JA-N-3	JW-9-15	JA-WB-3
JH-1-33GRC	BW-90-38G	JW-2-20	JA-N-7	JW-9-16	JA-WP-1
JH-1-41FLG	JA-90-13G	JW-2-26	JA-N-12	JW-9-8K	MZ-N-4
JH-1-43FLG	JA-90-14G	JW-2-27	JA-N-11	JW-9-9	MZ-N-5
JH-1-44FLG	SU-90-2G	JW-2-28	JA-N-13	JX-12	JA-RV-1
JH-1-45FLG	SU-90-3G	JW-2-29	JA-N-15	JX-12-3	JA-RV-3
JH-1-47FLG	NI-90-7G	JW-2-30	JA-N-16	JX-12-7	JA-RV-5
JH-1-48FLG	JA-90-9G	JW-2-5	JA-N-2	JX-12-8	JA-RV-6
JH-1-49FLG	JA-90-10G	JW-2-5T	MB-WS-4060	JX-12L	JA-RV-1L
JH-1-50FLG	JA-90-8G	JW-2-5TT	MB-WS-4060T	JX-12S	NI-RV-1
JO-25-1	JA-O-1V	JW-2-6	JA-N-1	JX-13-10	NI-HT-2
JO-25-10	MZ-O-1V	JW-2N	MI-N-3	JX-13-10HT	NI-HT-2HS
JO-25-12	JA-O-6V	JW-3	MZ-WB-1	JX-13-11	MZ-HT-9
JO-25-13	JA-O-8V	JW-4-11	JA-WS-2	JX-13-12HT	MZ-HT-3HS
JO-25-14	JA-O-9V	JW-4-12B	MZ-WA-1	JX-13-13	MZ-HT-1
JO-25-15	JA-O-10V	JW-4-13	MZ-WA-3	JX-13-13HT	MZ-HT-1HS
JO-25-16	JA-O-7	JW-4-14	MZ-WA-2	JX-13-14	NI-HT-1
JO-25-17	SU-O-1V	JW-4-15	JA-WA-1	JX-13-14HT	NI-HT-1HS
JO-25-18	SU-O-2V	JW-4-16	JA-WA-2	JX-13-15	NI-HT-3
JO-25-19	JA-O-11V	JW-4-17	JA-WA-4	JX-13-15HT	NI-HT-3HS
JO-25-1X	JA-O-5V	JW-4-18	JA-WA-5	JX-13-16	SU-HT-1
JO-25-2	JA-O-2V	JW-4-19	MZ-WA-6	JX-13-16HT	SU-HT-1HS
JO-25-20	MZ-O-3	JW-4-20	MZ-WA-901	JX-13-17	MZ-HT-2
JO-25-21	JA-O-12	JW-4-21	JA-WA-6	JX-13-17HT	MZ-HT-2HS
JO-25-22	JA-O-13V	JW-4-22	JA-WA-7	JX-13-18X	JA-I-18
JO-25-23	JA-O-14V	JW-4-23	MI-WA-1	JX-13-26	NI-HT-4
JO-25-24	NI-O-1V	JW-4-24	NI-WA-1	JX-13-26HT	NI-HT-4HS
JO-25-4	JA-O-3V	JW-4-25	NI-WA-3	JX-13-27	JA-HT-1

TRI-REFERENCE NUMBERS INTERCHANGE

TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#
JX-13-27HT	JA-HT-1HS	JX-23-23K	B45020HTE	MHC-CL	MI-HC-C
JX-13-28	JA-HT-8-20	JX-23-23X70K	B66020HTE	MHC-G	MI-HC-G
JX-13-28HT	JA-HT-8-20HS	JX-23-32HC	B45050HTS	MHC-P	MI-HC-BU
JX-13-29	MZ-HT-6	JX-23-32K	B45050HTE	MHC-R	MI-HC-R
JX-13-29HT	MZ-HT-6HS	JX-23-32X70HC	B66050HTS	MHC-RN	MI-HC-O
JX-13-30	MZ-HT-5	JX-23-32X70K	B66050HTE	MHC-STD	FD-SC-R
JX-13-30HT	MZ-HT-5HS	JX-23-33K	B45060HTE	MHC-W	MI-HC-W
JX-13-31	JA-HT-20	JX-23-33X70K	B66060HTE	MHC-Y	MI-HC-Y
JX-13-31HT	JA-HT-20HS	JX-23-34	JA-CP-1	ML-1	MI-LB-1
JX-13-32	MZ-HT-7	JX-23-35	JA-CP-2	ML-3	MI-LB-3
JX-13-32HT	MZ-HT-7HS	JX-23-37X70K	B66160HTE	ML-TS1	MI-TS-1
JX-13-33	MZ-HT-8	JX-23-38	JA-CP-4	MP-05	MI-WT-5
JX-13-33HT	MZ-HT-8HS	JX-23-39	JA-CP-6P	MP-05H	MI-WT-5H
JX-13-34	JA-HT-10	JX-23-3HC	B45310HTS	MP-08	MI-WT-8
JX-13-34HT	JA-HT-10HS	JX-23-3K	B45310HTE	MP-08H	MI-WT-8H
JX-13-35	JA-HT-25	JX-23-3X70HC	B66310HTS	MP-10	MI-WT-10
JX-13-35HT	JA-HT-25HS	JX-23-3X70K	B66310HTE	MP-10H	MI-WT-10H
JX-13-36HT	MZ-HT-11HS	JX-23-40	JA-CP-5S	MP-12	MI-WT-12
JX-13-38HT	JA-HT-3HS	JX-23-8HC	B45520HTS	MP-12H	MI-WT-12H
JX-13-41HT	MZ-HT-7HS	JX-23-8K	B45520HTE	MP-15	MI-WT-15
JX-13-47HT	JA-HT-14HS	JX-23-8X70HC	B66520HTS	MP-15H	MI-WT-15H
JX-13-49HT	JA-HT-11HS	JX-23-8X70K	B66520HTE	MP-17	MI-WT-17
JX-13-5	JA-HT-5	KH-1-1FLG	HK-90-4G	MP-17H	MI-WT-17H
JX-13-50HT	MZ-HT-12HS	KH-1-2FLG	HK-90-6G	MP-20	MI-WT-20
JX-13-52HT	SU-HT-3HS	KH-1-3FLG	HK-90-3G	MP-20H	MI-WT-20H
JX-13-5HT	JA-HT-5HS	KH-1-4FLG	HK-90-5G	MP-24	MI-WT-24
JX-13-6	JA-HT-8	KH-1-5FLG	HK-90-2G	MP-24H	MI-WT-24H
JX-13-6HT	JA-HT-8HS	KH-1-6FLG	HK-90-1G	MW-2-1	MI-N-24
JX-13-7	JA-HT-6	KO-25-1	HK-O-1V	MW-2-10	FD-WS-10
JX-13-7HT	JA-HT-6HS	MB-6210	MI-N-6210	MW-2-20	FD-WS-20
JX-13-9	MZ-HT-4	MB-6304	MI-N-6304	MW-2-30	FD-WS-30
JX-13-9HT	MZ-HT-4HS	MC-1	MI-SP-1	MX-13-17	CV-HT-4
JX-22-100	JA-1K-12HT	MC-2	MI-SP-3	MX-13-17HT	CV-HT-4HS
JX-22-102	JA-1K-1HT	MC-4	MI-SP-4	MX-13-30	CV-HT-5
JX-22-855NR	MI-RR-8N	MC-6	MI-SP-5	MX-13-30HT	CV-HT-5HS
JX-23-10HC	B45064HTS	MC-8	BW-SP-5	MX-SH-1	MI-SH-1
JX-23-10K	B45064HTE	MH-1-7GRC	BW-90-42G	MX-SH-2	MI-SH-2
JX-23-20K	B45110HTE	MH-1TCMGRC	BW-90-24G	MX-SH-3	MI-SH-3
JX-23-20X70K	B66110HTE	MH-1TCMLG	BW-H-23G	NH-1	HO-90-1G
JX-23-22HC	B45050HTS	MH-1TCMLGRC	BW-90-23G	NH-1-2A	HO-90-2G
JX-23-22K	B45050HTE	MHC-B	MI-HC-P	NH-1-4	HO-90-3G
JX-23-22X70HC	B66050HTS	MHC-BR	MI-HC-BR	NH-1-8	HO-90-4G
JX-23-22X70K	B66050HTE	MHC-BU	MI-HC-B	NO-25	HO-O-36

TRI-REFERENCE NUMBERS INTERCHANGE

TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#
NO-25-1	HO-O-2V	NX-23-7K	B45370HTE	PW-4-11	FS-WA-9
NO-25-2	HO-O-4V	NX-23-7X70HC	B66370HTS	PW-4-13	FS-WA-11
NO-25-3	HO-O-3V	NX-23-7X70K	B66370HTE	PW-4-14	FS-WA-10
NO-25-4	HO-O-5V	NX-23-8HC	B45070HTS	PW-4-2	FS-WA-2
NTA-2031	MI-N-4	NX-23-8K	B45070HTE	PW-4-3	FS-WA-3
NTA-2840	MI-N-6	NX-23-8X70K	B66070HTE	PW-4-4	FS-WA-1
NTA-3244	MI-N-8	NX-23-9HC	B45450HTS	PW-4-5	FS-WA-5
NTA-3446	MI-N-10	NX-23-9K	B45450HTE	PW-4-6	FS-WA-6
NW-2	HO-N-1	NX-23-9X70HC	B66450HTS	PW-4-8	FS-WA-7
NW-2-2	HO-N-4	NX-23-9X70K	B66450HTE	PW-9-062	FS-WF-062
NW-2-3	HO-N-6	NX-26-1	HO-CP-1	PW-9-094	FS-WF-094
NW-2-4	MI-N-28	NX-26-1K	HO-CP-12K	PW-9-2D	FS-WP4-OE
NW-2-5	HO-N-5	NX-26-2	HO-CP-2	PW-9-2E	FS-WP5-OE
NW-2-6	HO-N-7	PC-6	BW-SP-4	PW-9-2F	FS-WP6-OE
NW-4	HO-WB-1	PH-1-12GRC	FS-90-8G	PW-9-3D	FS-WP1-OE
NW-4-1	HO-WB-2	PH-1-14GRC	FS-90-10G	PW-9-3E	FS-WP2-OE
NW-9B	HO-N-2	PH-1-15GRC	FS-90-6G	PW-9-3F	FS-WP3-OE
NW-9K	HO-N-2K	PH-1-17FLG	FS-90-9G	PW-9-7	FS-N-5
NW-9W	MI-N-2	PH-1-18GRC	FS-90-7G	PW-9-8	FS-WP-8
NX-23-10K	B45290HTE	PH-1-6G	FS-H-2G	PW-9-9	ZF-WP-1
NX-23-10X70K	B66290HTE	PH-1-6GRC	FS-90-2G	PX-12	FS-RV-1
NX-23-12HC	B45930HTS	PH-1-7GRC	FS-90-3G	PX-12	CH-RV-3
NX-23-12K	B45930HTE	PH-1-9GRC	FS-90-4G	PX-12-2	ZF-RV-1
NX-23-12K	B45930HTE	PO-25	FS-O-1V	PX-12-4	ZF-RV-2
NX-23-12WC	S20930WC	PO-25-1	FS-O-2V	PX-12L	FS-RV-1L
NX-23-12X70HC	B66930HTS	PO-25-10	FS-O-5	PX-13	FS-HT-6
NX-23-1HC	B45150HTS	PO-25-11	ZF-O-3V	PX-13-1	FS-HT-8
NX-23-1K	B45150HTE	PO-25-12	ZF-O-4V	PX-13-10	FS-HT-10
NX-23-1X70HC	B66150HTS	PO-25-13	ZF-O-2	PX-13-10HT	FS-HT-10HS
NX-23-1X70K	B66150HTE	PO-25-14	ZF-O-5V	PX-13-11	FS-HT-9
NX-23-2HC	B45090HTS	PO-25-15	ZF-O-6V	PX-13-12	FS-HT-11
NX-23-2K	B45090HTE	PO-25-6	FS-O-27V	PX-13-12HT	FS-HT-11HS
NX-23-2X70HC	B66090HTS	PO-25-8	FS-O-3V	PX-13-15HT	FS-HT-14HS
NX-23-2X70K	B66090HTE	PO-25-9	FS-O-4V	PX-13-1HT	FS-HT-8HS
NX-23-5HC	B45930HTS	PO-25T	FS-O-60K	PX-13-2	FS-HT-1
NX-23-5K	B45930HTE	PO-25X	FS-O-60K	PX-13-27	FS-I-27
NX-23-5K	B45930HTE	PW-2-10	FS-N-4	PX-13-4	FS-HT-3
NX-23-5WC	S20960WC	PW-2-3	FS-N-2	PX-13-4HT	FS-HT-3HS
NX-23-5X70HC	B66930HTS	PW-2-4	FS-N-1	PX-13-5	FS-HT-5
NX-23-5X70K	B66930HTE	PW-2-6	FS-N-3	PX-13-5HT	FS-HT-5HS
NX-23-6HC	B45540HTS	PW-2-7	MI-N-15	PX-13-7	FS-HT-4
NX-23-6K	B45540HTE	PW-2-9	MI-N-16	PX-13-7HT	FS-HT-4HS
NX-23-7HC	B45370HTS	PW-4-1	FS-WA-8	PX-13-8	FS-HT-2

TRI-REFERENCE NUMBERS INTERCHANGE

TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#
PX-13-8HT	FS-HT-2HS	PX-26-9	ZF-CP-2	RX-23-2AMK	B45620HTE
PX-13-9	FS-HT-7	PX-26-9	ZF-CP-6	RX-23-2BMHC	B45620HTS
PX-13-9HT	FS-HT-7HS	RC-6-1	RE-SP-1	RX-23-2BMK	B45620HTE
PX-13HT	FS-HT-6HS	RG-103N	HO-RG-103	RX-26-1	RE-CP-1
PX-14-10	ZF-HR-1	RG-106KM	MT-RG-106	RX-26-1K	RE-CP-1K
PX-14-5	BW-HR-5	RG-107N	HO-RG-107	RX-26-2	RE-CP-2
PX-22-5	FS-WS-1	RG-110KM	MT-RG-110	RX-26-2K	RE-CP-2K
PX-22-6	FS-WS-2	RG-114B	HO-RG-114B	RX-26-3K	RE-CP-3K
PX-23-10HC	B45330HTS	RG-114N	HO-RG-114A	SB-18-1	GM-B-1
PX-23-10K	B45330HTE	RG-114NW	HO-RG-114	SB-18-2	GM-B-2
PX-23-10X70HC	B66330HTS	RG-122	CH-RG-122	SB-18-2-10	GM-B-4
PX-23-10X70K	B66330HTE	RG-125V	VW-RG-125	SB-18-2X	GM-B-2X
PX-23-11HC	B45690HTS	RG-130	CH-RG-130T	SB-18-3	BW-B-2
PX-23-11K	B45690HTE	RG-130H	CH-RG-130	SB-18-5T	GM-B-5T
PX-23-19HC	B45070HTS	RG-132	FD-RG-132	SB-18-6	GMFD-B-1
PX-23-19K	B45070HTE	RG-146	CI-RG-146XF	SB-18-7	GM-B-7
PX-23-19X70HC	B66070HTS	RG-146S	BW-RG-146	SB-18-8	GM-B-8
PX-23-19X70K	B66070HTE	RG-147	RG-147	SC-6	AL-SP-1
PX-23-20HC	B45740HTS	RG-149	CH-RG-149	SC-6-1	AL-RO-1ASSY
PX-23-25X70MK	N/A	RG-153	CH-RG-153	SH-1	GM-H-1X
PX-23-9HC	B45300HTS	RG-158	CH-RG-158	SH-1-10GRC	GM-90-10G
PX-23-9K	B45300HTE	RG-164C	MI-RG-164	SH-1-12	GM-H-12X
PX-23-9WC	S20300WC	RG-172	CH-RG-172	SH-1-12G	GM-H-12G
PX-23-9X70HC	B66300HTS	RH-1-1GRC	RE-90-2G	SH-1-12GRC	GM-90-12G
PX-23-9X70K	B66300HTE	RH-1-2FLG	RE-90-1G	SH-1-14G	GM-H-11G
PX-26-10	FS-CP-56BW	RO-25-1	RE-O-1A	SH-1-14GRC	GM-90-11G
PX-26-11	FS-CP-7BW	RO-25-2	RE-O-2	SH-1-15G	GM-H-33G
PX-26-12	ZF-CP-1	RO-25-3	RE-O-3V	SH-1-15GRC	GM-90-33G
PX-26-12	ZF-CP-4	RW-2-1	RE-N-2	SH-1-17G	GM-H-54G
PX-26-13	ZF-CP-7	RW-2-1K	RE-N-1K	SH-1-17GRC	GM-90-17G
PX-26-14	ZF-CP-8F	RW-2-2	RE-N-3	SH-1-18G	GM-H-30G
PX-26-15	ZF-CP-5	RW-4-1	RE-WP1-OE	SH-1-18GRC	GM-90-30G
PX-26-16	ZF-CP-3	RW-9-1	RE-WP2-OE	SH-1-19G	GM-H-13G
PX-26-17	ZF-CP-11P	RX-12	RE-RV-1	SH-1-19GRC	GM-90-13G
PX-26-18	ZF-CP-10S	RX-12-1	RE-RV-4	SH-1-1G	GM-H-125G
PX-26-19	ZF-CP-9S	RX-13-1HT	RE-HT-1HS	SH-1-2	GM-H-2X
PX-26-20	ZF-CP-12	RX-22-1	RE-FN-1	SH-1-20GRC	GM-90-15G
PX-26-21	ZF-CP-13	RX-22-3	RE-RV-2	SH-1-21G	GM-H-19G
PX-26-22	N/A	RX-22-4	RE-RV-3	SH-1-21GRC	GM-90-19G
PX-26-3	FS-CP-1	RX-22-5	RE-FN-3	SH-1-22GRC	GM-90-32FG
PX-26-5	FS-SD-1	RX-23-1HC	B45420HTS	SH-1-23GRC	BW-90-47G
PX-26-6	FS-CP-3	RX-23-1K	B45420HTE	SH-1-24GRC	GM-90-18G
PX-26-7	FS-CP-2	RX-23-2AMHC	B45620HTS	SH-1-25GRC	GM-90-40G

TRI-REFERENCE NUMBERS INTERCHANGE

TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#
SH-1-27G	GM-H-30G	SH-1-65GRC	AL-90-4G	SS-6-3	GM-S-9
SH-1-27GRC	GM-90-30G	SH-1-66FLG	GM-90-83G	SS-6-4	GM-S-8
SH-1-28GRC	GM-90-10GSP	SH-1-6G	GM-H-6G	SS-6-6	GM-S-2
SH-1-29GRC	GM-90-49G	SH-1-6GRC	GM-90-6G	SS-6-7	GM-S-12
SH-1-2G	GM-H-2G	SH-1-9G	GM-H-9G	SW-2-020	GM-WS-020X
SH-1-2GRC	GM-90-2G	SH-1-9GRC	GM-90-9G	SW-2-030	GM-WS-30
SH-1-300AGRC	GM-90-300GA	SH-1G	GM-H-1G	SW-2-050	GM-WS-50
SH-1-300G	GM-H-300G	SH-1GRC	GM-90-1G	SW-2-1	GM-N-1H
SH-1-300GRC	GM-90-300G	SO-23-1	GM-O-1V	SW-2-11	GM-N-11
SH-1-35GRC	GM-90-52G	SO-23-1A	GM-O-3V	SW-2-110	GM-WS-1
SH-1-36G	GM-H-47G	SO-23-21	GM-O-21V	SW-2-12	GM-N-8HLT
SH-1-36GRC	GM-90-47G	SO-23-21A	GM-O-4V	SW-2-120	GM-WS-2
SH-1-37GRC	GM-90-48G	SO-23-24	GM-O-2V	SW-2-12T	GM-N-8HLT
SH-1-38GRC	GM-90-46G	SO-23-24A	GM-O-10V	SW-2-130	GM-WS-3
SH-1-4	GM-H-4X	SO-23-25	GM-O-5V	SW-2-14	GM-N-13H
SH-1-41G	GM-H-41G	SO-23-26	GM-O-6V	SW-2-16	GM-WA-3
SH-1-41GRC	GM-90-41G	SO-23-27	GM-O-7V	SW-2-18	GM-N-17
SH-1-43G	GM-H-44G	SO-23-28	GM-O-9V	SW-2-19	GM-N-13R
SH-1-43GRC	GM-90-44G	SO-23-30	GM-O-22	SW-2-1HD	GM-N-2H
SH-1-46GRC	GM-90-53G	SO-23-33	GM-O-8V	SW-2-210	GM-WS-4
SH-1-47G	GM-H-51G	SO-23-33X	GM-O-12V	SW-2-220	GM-WS-5
SH-1-47GRC	GM-90-51G	SO-23-34	AL-O-1	SW-2-230	GM-WS-6
SH-1-48GRC	AL-90-2G	SO-23-35	GM-O-13	SW-2-24	GM-N-18
SH-1-49GRC	AL-90-1G	SO-23-36	GM-O-11V	SW-2-3	GM-N-1H
SH-1-4G	GM-H-4G	SO-23-37	AL-O-2	SW-2-30	GM-WS-30S
SH-1-4GRC	GM-90-4G	SO-23-38	GM-O-14V	SW-2-31	AL-N-1
SH-1-5	GM-H-5X	SO-23-39	GM-O-17V	SW-2-310	GM-WS-18
SH-1-500G	GM-H-DD	SO-23-40	GM-O-15V	SW-2-32	AL-N-2
SH-1-500GRC	GM-90-38G	SO-23-41	GMFD-O-1V	SW-2-320	GM-WS-19
SH-1-50HP	GM-90CM-32G	SO-23-42	GMFD-O-2V	SW-2-33	GM-N-20
SH-1-52HP	GM-90CM-29G	SO-23-43	GM-O-16	SW-2-330	GM-WS-20
SH-1-55GRC	BW-90-49G	SO-23-44	AL-O-3	SW-2-34	GMFD-N-1
SH-1-57GRC	GM-90-14G	SO-23-45	S6758036	SW-2-35	GMFD-N-2
SH-1-58GRC	GM-90-50G	SR-7	GM-RO-572	SW-2-36	AL-N-3
SH-1-59GRC	GM-90-75G	SR-7-1	GM-RO-435	SW-2-37	GM-N-24
SH-1-5G	GM-H-5G	SR-7-2	GM-RO-385	SW-2-38	GM-N-25
SH-1-5GRC	GM-90-5G	SR-7-3	GM-RO-837	SW-2-39	GM-N-22
SH-1-6	GM-H-6X	SR-7-4	GM-RO-1	SW-2-3K	GM-N-1HK
SH-1-60GRC	GM-90-71G	SR-7-5	GM-RO-2	SW-2-3KHD	GM-N-2HK
SH-1-61GRC	GM-90-69G	SR-7-6	GM-RO-480	SW-2-4	GM-N-4H
SH-1-62GRC	GM-90-61G	SS-6	GM-S-11	SW-2-40	GM-N-26
SH-1-63GRC	GMFD-90-1G	SS-6-1	GM-S-4	SW-2-41	GM-N-23
SH-1-64GRC	GM-90-72G	SS-6-2	GM-S-3	SW-2-410	GM-WS-24

TRI-REFERENCE NUMBERS INTERCHANGE

TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#
SW-2-420	GM-WS-25	SW-9-14	GM-WA-8	SX-13-14HT	GM-HT-9HS
SW-2-430	GM-WS-26	SW-9-15	GM-WS-11	SX-13-15	GM-HT-4
SW-2-44	GM-WS-43	SW-9-150	GM-WA-5	SX-13-27	GM-I-27
SW-2-45	GMBW-WS-40	SW-9-16	BW-WP-4	SX-13-27C	GM-I-27A
SW-2-6	GM-N-6H	SW-9-17	GM-WA-25	SX-13-27F	GM-I-27F
SW-2-60	GM-WS-60	SW-9-18	AL-WP1-OE	SX-13-27FF	GM-I-27B
SW-2-8	GM-N-8H	SW-9-19	GMFD-WP-1	SX-13-27FL	GM-I-27FL
SW-2-9	GM-N-9H	SW-9-1F	GM-WF-125	SX-13-27W	GM-HT-14
SW-2-9HD	GM-N-10H	SW-9-20	GMFD-WP-2	SX-13-30	GM-I-30
SW-2D	GM-N-1L	SW-9-21	GMFD-WP-1T	SX-13-30FF	GM-I-30F
SW-3-1	AL-WS-3	SW-9-22	GMFD-WP-2T	SX-13-30FS	GM-I-31
SW-4-10	GM-WP4-OE	SW-9-23	GM-WP-16	SX-13-30W	GM-HT-13
SW-4-11	GM-WA-20	SW-9-24F	AL-WF-3	SX-13-34HT	GM-HT-34HS
SW-4-12	GM-WA-6	SW-9-25	AL-WF-1	SX-13-35HP	8TH30
SW-4-13	GM-WA-7	SW-9-3F	GM-WF-156	SX-13-35HT	GM-HT-45HS
SW-4-15	GM-WA-10	SW-9-4	GM-WF-188	SX-13-39HP	GM-HTCM-28
SW-4-16	GM-WP10-OE	SW-9-52	GM-WC-2	SX-13-41HT	GM-HT-49HS
SW-4-17	GM-WA-2	SW-9-53	GM-WC-3	SX-13-43HT	GMFD-HT-1HS
SW-4-18	GM-WA-37	SW-9-54	GM-WC-4	SX-13-44HP	GM-HT-33HSR
SW-4-19A	BW-WP2-OE	SW-9-55	GM-WC-5	SX-13-5	GM-HT-5
SW-4-2	GM-WP-2	SW-9-56	GM-WC-6	SX-13-5HT	GM-HT-5HS
SW-4-20	GM-WA-13	SW-9-57	GM-WC-7	SX-13-6	GM-HT-6
SW-4-22	GM-WA-19	SX-10	GM-FN-3	SX-13S	GM-HT
SW-4-24	GM-WA-24	SX-10-12	GM-FN-7	SX-13SHT	GM-HT-HS
SW-4-25	GM-WA-22	SX-10-4	GM-FN-1	SX-14	GM-HR-1
SW-4-26	GM-WA-38	SX-10-6	GM-FN-2	SX-14-10	GM-HR-16
SW-4-27	GM-WP3-OE	SX-12-10	FD-RV-9	SX-14-11	GM-HR-21
SW-4-28	GM-WP14-OE	SX-12-10	GM-RV-8	SX-14-3	GM-HR-2
SW-4-29	AL-WA-2	SX-12-11	GM-RV-3	SX-14-4	GM-HR-3
SW-4-2A	GM-WP11-OE	SX-12-14	GM-RV-9	SX-14-5	GM-HR-10
SW-4-2B	GM-WP2-OE	SX-12-15	GM-RV-12	SX-14-6	GM-HR-9
SW-4-2C	GM-WP12-OE	SX-12-16	GM-RV-10	SX-14-7	AL-HR-2
SW-4-30	GM-WA-28	SX-12-17	GM-RV-1	SX-14-9	GM-HR-17
SW-4-31	GM-WA-47	SX-12-18	GMFD-RV-1	SX-15-3K	GM-WA-21
SW-4-32	GM-WA-40	SX-12-19	GM-RV-11	SX-15-5	GM-RS-3HP
SW-4-33	AL-WA-6	SX-12-2	GM-RV-6	SX-15A	GM-R-15
SW-4-4	GM-WP-5	SX-12-7	GM-RV-5	SX-15B	GM-RS-1
SW-4-5	GM-WP6-OE	SX-13-10HT	GM-HT-40HS	SX-22-1	AL-CC-1
SW-4-5D	GM-WP8-OE	SX-13-11	GM-HT-8	SX-22-12	GM-CC-13
SW-4-6	GM-WP-1	SX-13-11HT	GM-HT-8HS	SX-22-26	GM-CC-11
SW-4-9	GM-WA-4	SX-13-12	GM-HT-3	SX-22-2HP	GM-CC-5
SW-9-10	GM-WS-10	SX-13-12HT	GM-HT-3HS	SX-22-3HP	8LPS
SW-9-11	GM-WA-27C	SX-13-14	GM-HT-9	SX-22-6	AL-CC-2

TRI-REFERENCE NUMBERS INTERCHANGE

TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#
SX-22XA	GM-I-14HS	SX-23-56HC	B45002HTS	TH-1-15GRC	CH-90-3BG
SX-23-103	GM-DA-2	SX-23-56K	B45002HTE	TH-1-15TGRC	CH-90-3BG
SX-23-104	GM-DA-1	SX-23-57HC	B45001HTS	TH-1-17G	CH-H-18G
SX-23-1054	MI-RR-7	SX-23-57K	B45001HTE	TH-1-17GRC	CH-90-18G
SX-23-1054NR	MI-RR-7N	SX-23-60	BW-DS-2	TH-1-18G	CH-H-4BG
SX-23-110	GM-DA-3	SX-23-61HC	B45680HTS	TH-1-18GRC	CH-90-10BG
SX-23-111	GM-DA-4	SX-23-61WC	S20680WC	TH-1-19G	CH-H-18BG
SX-23-13HC	B45320HTS	SX-23-61X70HC	B66680HTS	TH-1-19GRC	CH-90-18BG
SX-23-13K	B45320HTE	SX-23-64	GM-DA-5P	TH-1-1G	CH-H-1G
SX-23-13WC	S20320WC	SX-23-65	B45580	TH-1-1GRC	CH-90-1G
SX-23-13X70HC	B66320HTS	SX-23-65K	B45580HTE	TH-1-2	CH-H-2X
SX-23-13X70K	B66320HTE	SX-23-66K	B45510HTE	TH-1-20AG	CH-H-4FG
SX-23-25HC	B45240HTS	SX-23-8	GM-PV-1	TH-1-20AGRC	CH-90-4FG
SX-23-25K	B45240HTE	SX-23B	GM-PI-9	TH-1-20G	CH-H-26G
SX-23-25X70HC	B66240HTS	SX-23C	GM-PI-11	TH-1-20GRC	CH-90-26G
SX-23-25X70K	B66240HTE	SX-23F	GM-PI-2	TH-1-21GRC	MT-90-2G
SX-23-31K	B45130HTE	SX-23HP	GM-PI-1	TH-1-22GRC	MT-90-4G
SX-23-31X70K	B66130HTE	SX-23M	GM-PI-14	TH-1-23GRC	MT-90-1G
SX-23-32HC	B45270HTS	SX-23R	GM-PI-10	TH-1-25G	CH-H-21G
SX-23-32K	B45270HTE	SX-24-1HP	GM-WS-17	TH-1-25GRC	CH-90-21G
SX-23-32X70HC	B66270HTS	SX-24-3HP	GM-WS-14	TH-1-26GRC	MT-90-5G
SX-23-32X70K	B66270HTE	SX-24-4HP	GM-BM-4	TH-1-28AG	CH-H-12G
SX-23-34FLG	BW-DS-1	SX-26-1	GM-CP-5	TH-1-28AGRC	CH-90-12G
SX-23-44HC	B45350HTS	SX-5-10	GM-ST-086	TH-1-28GRC	MT-90-3G
SX-23-44K	B45350HTE	SX-5-11	BW-ST-1S	TH-1-2G	CH-H-2G
SX-23-44X70HC	B66350HTS	TB-18-1	CH-B-1	TH-1-2GRC	CH-90-2G
SX-23-44X70K	B66350HTE	TB-18-12	MT-B-1	TH-1-3	CH-H-3X
SX-23-47HC	B45084HTS	TB-18-13	CH-B-3	TH-1-32G	CH-H-16G
SX-23-47K	B45084HTE	TB-18-14	CH-B-3X	TH-1-32GRC	CH-90-16G
SX-23-47X70HC	B66084HTS	TB-18-1X	CH-B-1X	TH-1-32TG	CH-H-16BG
SX-23-47X70K	B66084HTE	TB-18-4	CH-B-2	TH-1-32TGRC	CH-90-16BG
SX-23-48HC	B45220HTS	TB-18-4X	CH-B-2X	TH-1-33G	CH-H-17G
SX-23-48K	B45220HTE	TESTNOV12	test	TH-1-33GRC	CH-90-17G
SX-23-48X70K	B66220HTE	TH-1-1	CH-H-1X	TH-1-33TGRC	CH-90-17BG
SX-23-4HC	B45250HTS	TH-1-12AG	CH-H-11G	TH-1-34GCM	CH-90CM-21BG
SX-23-4K	B45250HTE	TH-1-12AGRC	CH-90-11G	TH-1-35GCM	CH-90CM-20BG
SX-23-4WC	S20250WC	TH-1-13G	MT-H-6G	TH-1-36GRC	FD-90-60G
SX-23-4X70HC	B66250HTS	TH-1-13GRC	MT-90-6G	TH-1-38GRC	MT-90-8G
SX-23-4X70K	B66250HTE	TH-1-14G	FS-H-1G	TH-1-3G	CH-H-3G
SX-23-51HC	B45640HTS	TH-1-14GRC	FS-90-1G	TH-1-3GRC	CH-90-3G
SX-23-51K	B45640HTE	TH-1-14TG	CH-H-13BG	TH-1-42FLG	CH-90-25G
SX-23-53	GM-DA-7P	TH-1-14TGRC	CH-90-13BG	TH-1-44FLG	CH-90CM-28G
SX-23-55HC	B45670HTS	TH-1-15G	CH-H-3BG	TH-1-45FLG	MT-90-7G

TRI-REFERENCE NUMBERS INTERCHANGE

TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#
TH-1-46FLG	CH-90-19G	TRA-2840	MI-N-7	TW-4-16	CH-WP7-OE
TH-1-4AG	CH-H-4G	TRA-3244	MI-N-9	TW-4-17	CH-WA-3
TH-1-4AGRC	CH-90-4G	TRA-3446	MI-N-11	TW-4-18K	MT-WA-3K
TH-1-4G	CH-H-4BG	TRB-2031	MI-N-12	TW-4-19	CH-WP4-OE
TH-1-4GRC	CH-90-4BG	TRB-2233	MI-N-20	TW-4-2	CH-WA-10
TH-1-5TG	CH-H-8BG	TRB-2840	MI-N-18	TW-4-20	CH-WS-26
TH-1-5TGRC	CH-90-8BG	TRB-3244	MI-N-17	TW-4-21	CH-WS-27
TH-1-8	CH-H-8X	TRC-2233	MI-N-22	TW-4-4	CH-WA-9
TH-1-8G	CH-H-8G	TS-6	CH-S-1	TW-4-6	MT-WA-175
TH-1-8GRC	CH-90-8G	TS-6-1	CH-S-2	TW-9-010	CH-WS-16
TH-1TBG	CH-H-2BG	TW-2	CH-WS-1	TW-9-020	CH-WS-17
TH-1TBGRC	CH-90-2BG	TW-2-10	CH-WS-10	TW-9-030	CH-WS-18
TH-1TG	CH-H-1BG	TW-2-110	CH-WS-7	TW-9-11	MT-WB-1
TH-1TGRC	CH-90-1BG	TW-2-120	CH-WS-8	TW-9-13	CH-N-9
TH-1TSGRC	CH-90-6BG	TW-2-12K	MT-N-1K	TW-9-15	CH-WF-1
TO-25-1	CH-O-1V	TW-2-130	CH-WS-9	TW-9-15PR	CH-WF-1
TO-25-11	FD-O-11	TW-2-18	CH-N-3	TW-9-17	MT-WP4-OE
TO-25-12	FD-O-10V	TW-2-2	CH-WS-12	TW-9-21	CH-WF-3
TO-25-13	MT-O-6V	TW-2-20	CH-WS-20	TW-9-23	CH-WP2-OE
TO-25-14	MZ-O-2V	TW-2-210	CH-WS-21	TW-9-23B	CH-WP2-OE
TO-25-15	CH-O-8V	TW-2-220	CH-WS-22	TW-9-24	CH-N-10
TO-25-16	CH-O-10V	TW-2-22B	CH-N-2	TW-9-25	CH-WF-4
TO-25-17	CH-O-11V	TW-2-23	CH-N-4	TW-9-26	CH-WF-5
TO-25-19	CH-O-12V	TW-2-230	CH-WS-23	TW-9-27	CH-N-6
TO-25-2	CH-O-2	TW-2-24	CH-N-5	TW-9-28	CH-N-7
TO-25-20	MT-O-8V	TW-2-25	MT-N-2	TW-9-29	CH-N-11
TO-25-21	MT-O-10V	TW-2-26	MT-N-3	TW-9-30	CH-WP-5
TO-25-22	CH-O-14V	TW-2-27K	MT-WS-4K	TW-9-5AF	GM-WF-062
TO-25-23	CH-O-15V	TW-2-3	CH-WS-2	TW-9-5BF	GM-WF-094
TO-25-24	CH-O-16V	TW-2-30	CH-WS-30	TW-9-5CF	GM-WF-125
TO-25-25	MT-O-7V	TW-2-4	CH-N-1	TW-9-7AF	CH-WF-125
TO-25-3V	CH-O-3V	TW-2-5K	MT-WP-3K	TW-9-7BF	CH-WF-156
TO-25-4	MT-O-4V	TW-2X	FD3-WS-20	TW-9-7CF	CH-WF-062
TO-25-5	MT-O-5V	TW-2X10	FD3-WS-10	TW-9-7DF	CH-WF-094
TO-25-6V	CH-O-6V	TW-2X30	FD3-WS-30	TW-9-8	CH-N-8
TO-25-6X	CH-O-5V	TW-3-3	CH-WB-1	TWB-2840	MI-N-18
TO-25-7	CH-O-4	TW-3-6	MT-WP-1	TX-10	CI-MI-2
TO-25-8	CH-O-9V	TW-3-7	CH-WB-2	TX-10-8	CH-FN-1
TO-25-9	MT-O-3V	TW-3-9	CH-WB-3	TX-11	MI-DP-2B
TR-7	CH-RO-623A	TW-4-11	CH-WS-11	TX-12-10	CH-RV-5
TR-7-2	CH-RO-623A	TW-4-11A	CH-WS-14	TX-12-2	CH-RV-1
TRA-2031	MI-N-5	TW-4-13	CH-WA-4	TX-12-4	MT-RV-1
TRA-2233	MI-N-16	TW-4-15K	MT-WA-2K	TX-12-4L	MT-RV-1L

TRI-REFERENCE NUMBERS INTERCHANGE

TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#
TX-12-5	MT-RV-2	TX-14-4	CH-HR-2	TX-23-25K	B45205HTE
TX-12-6	CH-RV-2	TX-14-6	CH-HR-1	TX-23-25X70K	B66205HTE
TX-12-7	CH-RV-3	TX-14-7	CH-HR-3	TX-23-32X70K	B66180HTE
TX-12-8	CH-RV-6	TX-17-3	CH-PI-1	TX-23-34	CH-DA-5PB
TX-12-9	CH-RV-4	TX-22-10	CH-CC-7	TX-23-36K	B45225HTE
TX-12S	MI-RV-1	TX-22-14	CH-CC-5	TX-23-36X70K	B66225HTE
TX-13-1017	CH-HT-7	TX-22-7015	MI-RR-6	TX-23-6K	B45390HTE
TX-13-1030	CH-HT-5	TX-22-7015NR	MI-RR-6N	TX-23-6X70K	B66390HTE
TX-13-11	MT-HT-175	TX-22-786	MI-RR-3	TX-23X70HC	B66500HTS
TX-13-11HT	MT-HT-175HS	TX-22-786NR	MI-RR-3N	TX-23X70K	B66500HTE
TX-13-13	CH-HT-670	TX-22-840	CH-WS-15	TX-23X70K	B66500HTE
TX-13-13HT	CH-HT-670HS	TX-22-878	MI-RR-2	TX-24-1	CH-SD-O
TX-13-14	CH-HT-9	TX-22-878NR	MI-RR-2N	TX-24-11	CH-CP-6
TX-13-14HT	CH-HT-9HS	TX-22-985	MI-RR-1	TX-24-11	CH-CP-1
TX-13-15	MT-HT-176	TX-22-985NR	MI-RR-1N	TX-24-12	CH-SD-2
TX-13-15HT	MT-HT-176HS	TX-22WA	CH-WT-100	TX-24-13	CH-SD-1
TX-13-16	MT-HT-1	TX-22WB	CH-WT-132	TX-24-5N	CH-DA-3P
TX-13-16HT	MT-HT-1HS	TX-22WC	CH-WT-91	TX-24-8	CH-SD-P
TX-13-17	MT-HT-177	TX-22WD	CH-WT-120	TX-24B	CH-SD-B
TX-13-17HT	MT-HT-177HS	TX-22WL	CH-WT-60	TX-24G	CH-SD-G
TX-13-19	MT-HT-2	TX-22WM	CH-WT-32	TX-24R	CH-SD-R
TX-13-19HT	MT-HT-2HS	TX-22WS	CH-WT-13	TX-24W	CH-SD-W
TX-13-28	CH-HT-12	TX-22X70HC	B66190HTS	TX-24Y	CH-SD-Y
TX-13-28HT	CH-HT-12HS	TX-22X70K	B66190HTE	TX-600	CH-FP-1
TX-13-29	CH-HT-13	TX-22XHC	B45190HTS	TX-601	CH-FP-2
TX-13-29HT	CH-HT-13HS	TX-22XK	B45190HTE	TX-800	CH-FP-3
TX-13-32	MT-HT-3	TX-23-15HC	B45220HTS	TX-801	CH-FP-4
TX-13-32HT	MT-HT-3HS	TX-23-15K	B45220HTE	VB-18	VW-B-1
TX-13-35	MT-HT-5	TX-23-15X70HC	B66220HTS	VB-18-2	VW-N-2
TX-13-35HT	MT-HT-5HS	TX-23-15X70K	B66220HTE	VH-1-3GRC	VW-90-2G
TX-13-36HT	MT-HT-6HS	TX-23-16K	B45220HTE	VH-1-4FLG	VW-90-4G
TX-13-37HT	MT-HT-4HS	TX-23-16X70K	B66220HTE	VH-1-5FLG	VW-90-3G
TX-13-38HT	CH-HT-19HS	TX-23-17HC	B45200HTS	VH-1FLG	VW-H-1G
TX-13-4	CH-HT-4	TX-23-17K	B45200HTE	VO-25-1	VW-O-1V
TX-13-40HP	CH-HTCM-16	TX-23-17X70HC	B66200HTS	VO-25-2	VW-O-2V
TX-13-41HT	CH-HT-20HS	TX-23-17X70K	B66200HTE	VO-25-3	VW-O-3
TX-13-42HT	CH-HT-27HS	TX-23-18K	B45210HTE	VO-25-4	VW-O-4
TX-13-43HT	CH-HT-25HS	TX-23-18X70K	B66210HTE	VO-25-5	VW-O-5V
TX-13-5HT	CH-HT-1HS	TX-23-19X70HC	B66500HTS	VW-2-10	FS-WS-10
TX-13-5S	CH-HT-1	TX-23-19X70K	B66500HTE	VW-2-20	FS-WS-20
TX-13-6	CH-HT-2	TX-23-19X70K	B66500HTE	VW-2-30	FS-WS-30
TX-13-7S	CH-HT-10	TX-23-21K	B45110HTE	VW-4-5	VW-WP1-OE
TX-13-8	CH-HT-6	TX-23-21X70K	B66110HTE	VW-4-6	VW-WA-1

TRI-REFERENCE NUMBERS INTERCHANGE

TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#
VW-9-2	VW-WS-20	WX-13-1	BW-HT-7	YH-1-3GRC	BW-90-3G
VW-9-5	VW-WB-1	WX-13-10	BW-HT-11	YH-1-44FLG	TO-90-4G
VW-9-7	VW-WB-4	WX-13-10HT	BW-HT-11HS	YH-1-55FLG	TO-90-5G
VX-12	VW-RV-1	WX-13-14	BW-HT-15	YH-1-5G	BW-H-4G
VX-13	VW-HT-1	WX-13-14HT	BW-HT-15HS	YH-1-5GRC	BW-90-4G
VX-23-2	AW-CP-4S	WX-13-2	BW-HT-8	YH-1-66FLG	TO-90-6G
VX-23-3	AW-CP-5P	WX-13-26	BW-I-26	YH-1-6G	TO-H-14G
WB-18B	BW-B-1	WX-13-3	BW-HT-10	YH-1-6GRC	TO-90-14G
WH-1-19GRC	BW-90-5BG	WX-13-3HT	BW-HT-10HS	YH-1-77FLG	TO-90-7G
WH-1-21FLG	BW-90-40G	WX-13-4	BW-HT-9	YH-1-7G	TO-H-10G
WH-1-23GRC	BW-90-5BG	WX-13-5	BW-HT-1	YH-1-7GRC	TO-90-10G
WH-1-24GRC	BW-90-50G	WX-13-6S	BW-HT-3	YH-1-88FLG	TO-90-8G
WH-1-25FLG	BW-90-39G	WX-13-6SHT	BW-HT-3HS	YH-1-8GRC	TO-90-9G
WH-1-3G	BW-H-34G	WX-13-7	BW-HT-5	YO-25-1	TO-O-68
WH-1-3GRC	BW-90-34G	WX-13-7HT	BW-HT-5HS	YO-25-11	TO-O-9V
WH-1-5G	BW-H-5G	WX-13-8	BW-HT-4	YO-25-12	TO-O-7V
WH-1-5GRC	BW-90-5G	WX-13-8HT	BW-HT-4HS	YO-25-13	TO-O-13V
WH-1-6G	BW-H-37G	WX-13-9	BW-HT-12	YO-25-14	TO-O-14
WH-1-6GRC	BW-90-37G	WX-13-9HT	BW-HT-12HS	YO-25-2	TO-O-1V
WH-1-7G	BW-H-6G	WX-14	BW-HR-35	YO-25-3	TO-O-110
WH-1-7GRC	BW-90-6G	WX-14-1	BW-HR-3	YO-25-4	TO-O-102
WH-1-7SGRC	BW-90-32G	WX-14-2	BW-HR-2	YO-25-5	TO-O-3V
WH-1-9G	BW-H-11G	WX-21TX	BW-MI-2	YO-25-7	TO-O-4
WH-1-9GRC	BW-90-11G	WX-22-1	BW-CC-1	YO-25-8	TO-O-5V
WH-1TBG	BW-H-1G	WX-22TB	BW-MI-3	YO-25-9	TO-O-8
WH-1TBGRC	BW-90-1G	WX-22TC	BW-MI-4	YR-7-1	HO-RO-1
WW-2-1	BW-WS-2	WX-8-1	BW-MI-1	YW-2	TO-N-5
WW-2-3	BW-WS-3	YC-6-2	TO-SP-1	YW-2-16	TO-N-13
WW-2-5	BW-WS-1	YC-6-3	BW-SP-2	YW-2-20K	TO-N-9K
WW-4	BW-WA-4	YC-6-4	BW-SP-3	YW-2-21K	TO-N-8K
WW-4-6	BW-WA-46	YH-1-11FLG	TO-90-11G	YW-2-22	TO-N-11
WW-4-7	BW-WP-10	YH-1-13FLG	TO-90-13G	YW-2-23	TO-N-15
WW-4-8	BW-WA-7	YH-1-14FLG	TO-90-3G	YW-2-24	TO-N-16
WW-4B	BW-WB-1	YH-1-16FLG	TO-90-16G	YW-2-25	TO-N-17
WW-9	BW-WB-2	YH-1-17FLG	TO-90-18G	YW-2-26	TO-N-22
WW-9-1	BW-WS-12	YH-1-18FLG	TO-90-15G	YW-2-27	TO-N-23
WW-9-11	BW-WP-3	YH-1-19FLG	TO-90-21G	YW-2-28	TO-N-24
WW-9-3BF	BW35-WF-094	YH-1-20FLG	TO-90-24G	YW-2-29	TO-N-25
WW-9-7A	BW-WF-062	YH-1-22FLG	TO-90-22G	YW-2-30	TO-N-20
WW-9-7B	BW-WF-094	YH-1-23FLG	TO-90-17G	YW-2-31	TO-N-18
WX-12A	JA-RV-2	YH-1-24FLG	TO-90-19G	YW-2-32	TO-N-21
WX-12BS	BW-RV-1	YH-1-25FLG	TO-90-20G	YW-2-33	TO-N-12
WX-12BS	BW-RV-1	YH-1-3G	BW-H-3G	YW-2-34K	TO-WS-3K

TRI-REFERENCE NUMBERS INTERCHANGE

TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#
YW-2-4	TO-N-1	YX-23-12K	B45520HTE		
YW-2-7	TO-N-6	YX-23-12X70HC	B66520HTS		
YW-2-8	TO-N-7	YX-23-12X70K	B66520HTE		
YW-4-11	TO-WA-8	YX-23-17HC	B45440HTS		
YW-4-12	TO-WA-9	YX-23-17K	B45440HTE		
YW-4-13	TO-WA-6	YX-23-19HC	B45360HTS		
YW-4-14	TO-WA-16	YX-23-19K	B45360HTE		
YW-4-15	TO-WA-17	YX-23-19X70K	B66360HTE		
YW-4-16	AS-WA-1	YX-23-1HC	B45040HTS		
YW-4-3	TO-WA-4	YX-23-1K	B45040HTE		
YW-4-4	TO-WA-15	YX-23-1X70HC	B66040HTS		
YW-4-5	TO-WA-1	YX-23-1X70K	B66040HTE		
YW-4-7	TO-WA-5	YX-23-21HC	B45260HTS		
YW-4-9	TO-WA-7	YX-23-21K	B45260HTE		
YW-9-2B	TO-WB-3	YX-23-21X70K	B66260HTE		
YW-9-3	TO-WB-1	YX-23-22HC	B45280HTS		
YW-9-5	TO-WB-4	YX-23-22K	B45280HTE		
YW-9-6	TO-N-10	YX-23-22X70K	B66280HTE		
YW-9-7	TO-N-14	YX-23-24X70K	B66940HTE		
YW-9-8	TO-WB-5	YX-23-25K	B45970HTE		
YX-10-1	TO-FN-1	YX-23-25X70K	B66970HTE		
YX-10-2	TO-FN-2	YX-23-3HC	B45070HTS		
YX-12	TO-RV-1	YX-23-3K	B45070HTE		
YX-12-1	TO-RV-3	YX-23-3X70HC	B66070HTS		
YX-12-2	TO-RV-4	YX-23-3X70K	B66070HTE		
YX-13	TO-HT-102	YX-26-1	AS-CP-1FK		
YX-13-1	TO-HT-110	YX-26-1K	AS-CP-1FK		
YX-13-12HT	TO-HT-3HS	YX-26-2	AS-CP-2SK		
YX-13-12HT	TO-HT-3HSMOD	YX-26-3	AW-CP-6F		
YX-13-13HT	TO-HT-22HS	YX-26-7	AS-CP-5F		
YX-13-1HT	TH-HT-110HS	YX-26-8	AS-CP-4S		
YX-13-2	TO-HT-68	ZB-18	RE-B-1		
YX-13-2HT	TO-HT-68HS				
YX-13-5	TO-HT-25				
YX-13-6HT	TO-HT-34HS				
YX-13-7	TO-HT-68-12				
YX-13-7HT	TO-HT-68-12HS				
YX-13-8	TO-HT-1				
YX-13-8HT	TO-HT-1HS				
YX-13HT	TO-HT-102HS				
YX-17-1	AS-PL-1				
YX-22-1	AS-HB-1				
YX-23-12HC	B45520HTS				

REFERENCE-TRI NUMBERS INTERCHANGE

REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #
10GMKHP	CK-6HP	AW-CP-4S	VX-23-2	B45120HTE	FX-23-6K
10THC6	FX-13-42HP	AW-CP-5P	VX-23-3	B45120HTS	FX-23-6HC
26761	FX-10-7	AW-CP-6F	YX-26-3	B45130HTE	SX-23-31K
3473031	CX-5-15HP	AW-N-1	AW-2-1	B45150HTE	NX-23-1K
3473073	CX-5-14HP	AW-N-2	AW-2-2	B45150HTS	NX-23-1HC
35007B	65002A	AW-N-3	AW-2-3	B45170HTE	FX-23-17K
85916-01	85916-01	AW-N-4	AW-2-4	B45190HTE	FX-23-26K
85916-01U	85916-01U	B41	B-41	B45190HTE	TX-22XK
8647041	77410E	B42	B-42	B45190HTS	FX-23-26HC
8GMRKCC	CK-3HP	B45001HTE	SX-23-57K	B45190HTS	TX-22XHC
8LPS	SX-22-3HP	B45001HTS	SX-23-57HC	B45200HTE	TX-23-17K
8TH26	FX-13-41HP	B45002HTE	SX-23-56K	B45200HTS	TX-23-17HC
8TH30	SX-13-35HP	B45002HTS	SX-23-56HC	B45205HTE	TX-23-25K
96201-18	96099S	B45010HTE	FX-23-10K	B45210HTE	TX-23-18K
AL-90-1G	SH-1-49GRC	B45010HTS	FX-23-10HC	B45220HTE	SX-23-48K
AL-90-2G	SH-1-48GRC	B45020HTE	JX-23-23K	B45220HTE	TX-23-15K
AL-90-4G	SH-1-65GRC	B45030HTE	FX-23-13K	B45220HTE	TX-23-16K
AL-CC-1	SX-22-1	B45030HTS	FX-23-13HC	B45220HTS	SX-23-48HC
AL-CC-2	SX-22-6	B45040HTE	YX-23-1K	B45220HTS	TX-23-15HC
AL-HR-2	SX-14-7	B45040HTS	YX-23-1HC	B45225HTE	TX-23-36K
AL-N-1	SW-2-31	B45050HTE	JX-23-22K	B45240HTE	SX-23-25K
AL-N-2	SW-2-32	B45050HTE	JX-23-32K	B45240HTS	SX-23-25HC
AL-N-3	SW-2-36	B45050HTS	JX-23-22HC	B45250HTE	SX-23-4K
AL-O-1	SO-23-34	B45050HTS	JX-23-32HC	B45250HTS	SX-23-4HC
AL-O-2	SO-23-37	B45060HTE	JX-23-33K	B45260HTE	YX-23-21K
AL-O-3	SO-23-44	B45064HTE	JX-23-10K	B45260HTS	YX-23-21HC
AL-RO-1ASSY	SC-6-1	B45064HTS	JX-23-10HC	B45270HTE	SX-23-32K
AL-SP-1	SC-6	B45070HTE	FX-23-57K	B45270HTS	SX-23-32HC
AL-WA-2	SW-4-29	B45070HTE	NX-23-8K	B45280HTE	YX-23-22K
AL-WA-6	SW-4-33	B45070HTE	PX-23-19K	B45280HTS	YX-23-22HC
AL-WF-1	SW-9-25	B45070HTE	YX-23-3K	B45290HTE	FX-23-63K
AL-WF-3	SW-9-24F	B45070HTS	FX-23-57HC	B45290HTE	NX-23-10K
AL-WP1-OE	SW-9-18	B45070HTS	NX-23-8HC	B45290HTS	FX-23-63HC
AL-WS-3	SW-3-1	B45070HTS	PX-23-19HC	B45300HTE	PX-23-9K
AS-CP-1FK	YX-26-1	B45070HTS	YX-23-3HC	B45300HTS	PX-23-9HC
AS-CP-1FK	YX-26-1K	B45080HTE	FX-23-89K	B45310HTE	JX-23-3K
AS-CP-2SK	YX-26-2	B45084HTE	SX-23-47K	B45310HTS	JX-23-3HC
AS-CP-4S	YX-26-8	B45084HTS	SX-23-47HC	B45320HTE	SX-23-13K
AS-CP-5F	YX-26-7	B45090HTE	NX-23-2K	B45320HTS	SX-23-13HC
AS-HB-1	YX-22-1	B45090HTS	NX-23-2HC	B45330HTE	PX-23-10K
AS-O-1V	AO-25-1	B45100HTE	FX-23-18K	B45330HTS	PX-23-10HC
AS-PL-1	YX-17-1	B45110HTE	JX-23-20K	B45340HTE	FX-23-88X70T
AS-WA-1	YW-4-16	B45110HTE	TX-23-21K	B45350HTE	SX-23-44K

REFERENCE-TRI NUMBERS INTERCHANGE

REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #
B45350HTS	SX-23-44HC	B45750HTE	FX-23-52K	B66120HTE	FX-23-6X70K
B45360HTE	YX-23-19K	B45750HTE	FX-23-52K	B66120HTS	FX-23-6X70HC
B45360HTS	YX-23-19HC	B45750HTS	FX-23-52HC	B66130HTE	SX-23-31X70K
B45370HTE	NX-23-7K	B45930HTE	NX-23-12K	B66150HTE	NX-23-1X70K
B45370HTS	NX-23-7HC	B45930HTE	NX-23-12K	B66150HTS	NX-23-1X70HC
B45380HTE	FX-23-19K	B45930HTE	NX-23-5K	B66160HTE	JX-23-37X70K
B45390HTE	TX-23-6K	B45930HTE	NX-23-5K	B66170HTE	FX-23-17X70K
B45410HTE	FX-23-86K	B45930HTS	NX-23-12HC	B66180HTE	TX-23-32X70K
B45420HTE	RX-23-1K	B45930HTS	NX-23-5HC	B66190HTE	FX-23-26X70K
B45420HTS	RX-23-1HC	B45935HTE	FX-23-82SK	B66190HTE	TX-22X70K
B45440HTE	YX-23-17K	B45950HTE	FX-23-83SK	B66190HTS	FX-23-26X70HC
B45440HTS	YX-23-17HC	B45955HTE	FX-23-80MK	B66190HTS	TX-22X70HC
B45450HTE	NX-23-9K	B45955HTE	FX-23-80SK	B66200HTE	TX-23-17X70K
B45450HTS	NX-23-9HC	B45960HTE	FX-23-65K	B66200HTS	TX-23-17X70HC
B45510HTE	SX-23-66K	B45970HTE	YX-23-25K	B66205HTE	TX-23-25X70K
B45520HTE	JX-23-8K	B61	B-61	B66210HTE	TX-23-18X70K
B45520HTE	YX-23-12K	B62	B-62	B66220HTE	SX-23-48X70K
B45520HTS	JX-23-8HC	B63	B-63	B66220HTE	TX-23-15X70K
B45520HTS	YX-23-12HC	B66010HTE	FX-23-10X70K	B66220HTE	TX-23-16X70K
B45540HTE	FX-23-24K	B66010HTS	FX-23-10X70HC	B66220HTS	TX-23-15X70HC
B45540HTE	NX-23-6K	B66020HTE	JX-23-23X70K	B66225HTE	TX-23-36X70K
B45540HTS	FX-23-24HC	B66030HTL	FX-23-13X70HC	B66240HTE	SX-23-25X70K
B45540HTS	NX-23-6HC	B66030HTL	FX-23-13X70K	B66240HTS	SX-23-25X70HC
B45551HTE	FX-23-28K	B66040HTE	YX-23-1X70K	B66250HTE	SX-23-4X70K
B45551HTS	FX-23-28HC	B66040HTS	YX-23-1X70HC	B66250HTS	SX-23-4X70HC
B45580	SX-23-65	B66050HTE	JX-23-22X70K	B66260HTE	YX-23-21X70K
B45580HTE	SX-23-65K	B66050HTE	JX-23-32X70K	B66270HTE	SX-23-32X70K
B45590HTE	HX-23-10MK	B66050HTS	JX-23-22X70HC	B66270HTS	SX-23-32X70HC
B45590HTS	HX-23-10MHC	B66050HTS	JX-23-32X70HC	B66280HTE	YX-23-22X70K
B45606HTE	FX-23-74SK	B66060HTE	JX-23-33X70K	B66290HTE	FX-23-63X70K
B45606HTS	FX-23-74SHC	B66070HTE	FX-23-57X70K	B66290HTE	NX-23-10X70K
B45620HTE	RX-23-2AMK	B66070HTE	NX-23-8X70K	B66300HTE	PX-23-9X70K
B45620HTE	RX-23-2BMK	B66070HTE	PX-23-19X70K	B66300HTS	PX-23-9X70HC
B45620HTS	RX-23-2AMHC	B66070HTE	YX-23-3X70K	B66310HTE	JX-23-3X70K
B45620HTS	RX-23-2BMHC	B66070HTS	FX-23-57X70HC	B66310HTS	JX-23-3X70HC
B45640HTE	SX-23-51K	B66070HTS	PX-23-19X70HC	B66320HTE	SX-23-13X70K
B45640HTS	SX-23-51HC	B66070HTS	YX-23-3X70HC	B66320HTS	SX-23-13X70HC
B45650HTS	FX-23-69HC	B66084HTE	SX-23-47X70K	B66330HTE	PX-23-10X70K
B45670HTS	SX-23-55HC	B66084HTS	SX-23-47X70HC	B66330HTS	PX-23-10X70HC
B45680HTS	SX-23-61HC	B66090HTE	NX-23-2X70K	B66350HTE	SX-23-44X70K
B45690HTE	PX-23-11K	B66090HTS	NX-23-2X70HC	B66350HTS	SX-23-44X70HC
B45690HTS	PX-23-11HC	B66110HTE	JX-23-20X70K	B66360HTE	YX-23-19X70K
B45740HTS	PX-23-20HC	B66110HTE	TX-23-21X70K	B66370HTE	NX-23-7X70K

REFERENCE-TRI NUMBERS INTERCHANGE

REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #
B66370HTS	NX-23-7X70HC	BW-90-47G	SH-1-23GRC	BW-HT-18	BX-13-3
B66390HTE	TX-23-6X70K	BW-90-49G	SH-1-55GRC	BW-HT-18HS	BX-13-3HT
B66450HTE	NX-23-9X70K	BW-90-4G	YH-1-5GRC	BW-HT-2	FX-13-8
B66450HTS	NX-23-9X70HC	BW-90-50G	WH-1-24GRC	BW-HT-2HS	FX-13-8HT
B66500HTE	TX-23-19X70K	BW-90-5BG	WH-1-19GRC	BW-HT-3	WX-13-6S
B66500HTE	TX-23-19X70K	BW-90-5BG	WH-1-23GRC	BW-HT-3HS	WX-13-6SHT
B66500HTE	TX-23X70K	BW-90-5G	WH-1-5GRC	BW-HT-4	WX-13-8
B66500HTE	TX-23X70K	BW-90-6G	WH-1-7GRC	BW-HT-4HS	WX-13-8HT
B66500HTS	TX-23-19X70HC	BW-B-1	WB-18B	BW-HT-5	WX-13-7
B66500HTS	TX-23X70HC	BW-B-2	SB-18-3	BW-HT-5HS	WX-13-7HT
B66520HTE	JX-23-8X70K	BW-CC-1	WX-22-1	BW-HT-6	FX-13-7
B66520HTE	YX-23-12X70K	BW-DS-1	SX-23-34FLG	BW-HT-7	WX-13-1
B66520HTS	JX-23-8X70HC	BW-DS-2	SX-23-60	BW-HT-8	WX-13-2
B66520HTS	YX-23-12X70HC	BW-FN-1	FX-10-5	BW-HT-9	WX-13-4
B66551HTE	FX-23-28X70K	BW-H-11G	WH-1-9G	BW-I-26	WX-13-26
B66551HTS	FX-23-28X70HC	BW-H-1G	WH-1TBG	BW-MI-1	WX-8-1
B66680HTS	SX-23-61X70HC	BW-H-23G	MH-1TCMLG	BW-MI-2	WX-21TX
B66750HTE	FX-23-52X70K	BW-H-34G	WH-1-3G	BW-MI-3	WX-22TB
B66750HTS	FX-23-30X70HC	BW-H-37G	WH-1-6G	BW-MI-4	WX-22TC
B66750HTS	FX-23-52X70HC	BW-H-3G	YH-1-3G	BW-R-55	BX-14
B66930HTE	NX-23-5X70K	BW-H-43G	BH-1-1G	BW-RG-146	RG-146S
B66930HTS	NX-23-12X70HC	BW-H-4G	YH-1-5G	BW-RV-1	WX-12BS
B66930HTS	NX-23-5X70HC	BW-H-5G	WH-1-5G	BW-RV-1	WX-12BS
B66940HTE	YX-23-24X70K	BW-H-6G	WH-1-7G	BW-SP-1	FC-6-4
B66960HTE	FX-23-65X70K	BW-HR-2	WX-14-2	BW-SP-2	YC-6-3
B66960HTS	FX-23-65X70HC	BW-HR-3	WX-14-1	BW-SP-3	YC-6-4
B66970HTE	YX-23-25X70K	BW-HR-35	WX-14	BW-SP-4	PC-6
B78	B-78	BW-HR-4	FX-14	BW-SP-5	MC-8
B79	B-79	BW-HR-5	PX-14-5	BW-ST-1S	SX-5-11
BW35-WF-094	WW-9-3BF	BW-HT-1	WX-13-5	BW-WA-4	WW-4
BW-90-11G	WH-1-9GRC	BW-HT-10	WX-13-3	BW-WA-46	WW-4-6
BW-90-1G	WH-1TBGRC	BW-HT-10HS	WX-13-3HT	BW-WA-7	WW-4-8
BW-90-23G	MH-1TCMLGRC	BW-HT-11	WX-13-10	BW-WB-1	WW-4B
BW-90-24G	MH-1TCMGRC	BW-HT-11HS	WX-13-10HT	BW-WB-2	WW-9
BW-90-2G	BH-1-4GRC	BW-HT-12	WX-13-9	BW-WF-062	WW-9-7A
BW-90-32G	WH-1-7SGRC	BW-HT-12HS	WX-13-9HT	BW-WF-094	WW-9-7B
BW-90-34G	WH-1-3GRC	BW-HT-14	BX-13-4	BW-WP-10	WW-4-7
BW-90-37G	WH-1-6GRC	BW-HT-15	WX-13-14	BW-WP2-OE	SW-4-19A
BW-90-38G	JH-1-33GRC	BW-HT-15HS	WX-13-14HT	BW-WP-3	WW-9-11
BW-90-39G	WH-1-25FLG	BW-HT-16	BX-13	BW-WP3-OE	FW-9
BW-90-3G	YH-1-3GRC	BW-HT-16HS	BX-13HT	BW-WP-4	SW-9-16
BW-90-40G	WH-1-21FLG	BW-HT-17	BX-13-2	BW-WS-1	WW-2-5
BW-90-42G	MH-1-7GRC	BW-HT-17HS	BX-13-2HT	BW-WS-12	WW-9-1

REFERENCE-TRI NUMBERS INTERCHANGE

REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #
BW-WS-2	WW-2-1	CH-DA-5PB	TX-23-34	CH-HT-1HS	TX-13-5HT
BW-WS-3	WW-2-3	CH-FN-1	TX-10-8	CH-HT-2	TX-13-6
CH-90-10BG	TH-1-18GRC	CH-FP-1	TX-600	CH-HT-20HS	TX-13-41HT
CH-90-11G	TH-1-12AGRC	CH-FP-2	TX-601	CH-HT-25HS	TX-13-43HT
CH-90-12G	TH-1-28AGRC	CH-FP-3	TX-800	CH-HT-27HS	TX-13-42HT
CH-90-13BG	TH-1-14TGRC	CH-FP-4	TX-801	CH-HT-4	TX-13-4
CH-90-16BG	TH-1-32TGRC	CH-H-11G	TH-1-12AG	CH-HT-5	TX-13-1030
CH-90-16G	TH-1-32GRC	CH-H-12G	TH-1-28AG	CH-HT-6	TX-13-8
CH-90-17BG	TH-1-33TGRC	CH-H-13BG	TH-1-14TG	CH-HT-670	TX-13-13
CH-90-17G	TH-1-33GRC	CH-H-16BG	TH-1-32TG	CH-HT-670HS	TX-13-13HT
CH-90-18BG	TH-1-19GRC	CH-H-16G	TH-1-32G	CH-HT-7	TX-13-1017
CH-90-18G	TH-1-17GRC	CH-H-17G	TH-1-33G	CH-HT-9	TX-13-14
CH-90-19G	TH-1-46FLG	CH-H-18BG	TH-1-19G	CH-HT-9HS	TX-13-14HT
CH-90-1BG	TH-1TGRC	CH-H-18G	TH-1-17G	CH-HTCM-16	TX-13-40HP
CH-90-1G	TH-1-1GRC	CH-H-1BG	TH-1TG	CH-N-1	TW-2-4
CH-90-21G	TH-1-25GRC	CH-H-1G	TH-1-1G	CH-N-10	TW-9-24
CH-90-25G	TH-1-42FLG	CH-H-1X	TH-1-1	CH-N-11	TW-9-29
CH-90-26G	TH-1-20GRC	CH-H-21G	TH-1-25G	CH-N-2	TW-2-22B
CH-90-2BG	TH-1TBGRC	CH-H-26G	TH-1-20G	CH-N-3	TW-2-18
CH-90-2G	TH-1-2GRC	CH-H-2BG	TH-1TBG	CH-N-4	TW-2-23
CH-90-3BG	TH-1-15GRC	CH-H-2G	TH-1-2G	CH-N-5	TW-2-24
CH-90-3BG	TH-1-15TGRC	CH-H-2X	TH-1-2	CH-N-6	TW-9-27
CH-90-3G	TH-1-3GRC	CH-H-3BG	TH-1-15G	CH-N-7	TW-9-28
CH-90-4BG	TH-1-4GRC	CH-H-3G	TH-1-3G	CH-N-8	TW-9-8
CH-90-4FG	TH-1-20AGRC	CH-H-3X	TH-1-3	CH-N-9	TW-9-13
CH-90-4G	TH-1-4AGRC	CH-H-4BG	TH-1-18G	CH-O-10V	TO-25-16
CH-90-6BG	TH-1TSGRC	CH-H-4BG	TH-1-4G	CH-O-11V	TO-25-17
CH-90-8BG	TH-1-5TGRC	CH-H-4FG	TH-1-20AG	CH-O-12V	TO-25-19
CH-90-8G	TH-1-8GRC	CH-H-4G	TH-1-4AG	CH-O-14V	TO-25-22
CH-90CM-20BG	TH-1-35GCM	CH-H-8BG	TH-1-5TG	CH-O-15V	TO-25-23
CH-90CM-21BG	TH-1-34GCM	CH-H-8G	TH-1-8G	CH-O-16V	TO-25-24
CH-90CM-28G	TH-1-44FLG	CH-H-8X	TH-1-8	CH-O-1V	TO-25-1
CH-B-1	TB-18-1	CH-HR-1	TX-14-6	CH-O-2	TO-25-2
CH-B-1X	TB-18-1X	CH-HR-2	TX-14-4	CH-O-3V	TO-25-3V
CH-B-2	TB-18-4	CH-HR-3	TX-14-7	CH-O-4	TO-25-7
CH-B-2X	TB-18-4X	CH-HR-4	CX-14CB	CH-O-5V	TO-25-6X
CH-B-3	TB-18-13	CH-HT-1	TX-13-5S	CH-O-6V	TO-25-6V
CH-B-3X	TB-18-14	CH-HT-10	TX-13-7S	CH-O-8V	TO-25-15
CH-CC-5	TX-22-14	CH-HT-12	TX-13-28	CH-O-9V	TO-25-8
CH-CC-7	TX-22-10	CH-HT-12HS	TX-13-28HT	CH-PI-1	TX-17-3
CH-CP-1	TX-24-11	CH-HT-13	TX-13-29	CH-RG-122	RG-122
CH-CP-6	TX-24-11	CH-HT-13HS	TX-13-29HT	CH-RG-130	RG-130H
CH-DA-3P	TX-24-5N	CH-HT-19HS	TX-13-38HT	CH-RG-130T	RG-130

REFERENCE-TRI NUMBERS INTERCHANGE

REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #
CH-RG-149	RG-149	CH-WP-5	TW-9-30	CV-HT-2HS	CX-13HT
CH-RG-153	RG-153	CH-WP7-OE	TW-4-16	CV-HT-4	MX-13-17
CH-RG-158	RG-158	CH-WS-1	TW-2	CV-HT-4HS	MX-13-17HT
CH-RG-172	RG-172	CH-WS-10	TW-2-10	CV-HT-5	MX-13-30
CH-RO-623A	TR-7	CH-WS-11	TW-4-11	CV-HT-5HS	MX-13-30HT
CH-RO-623A	TR-7-2	CH-WS-12	TW-2-2	CV-HT-HS	CX-13-1HT
CH-RV-1	TX-12-2	CH-WS-14	TW-4-11A	CV-R-1	CX-14-1
CH-RV-2	TX-12-6	CH-WS-15	TX-22-840	CV-WA-1	CW-4
CH-RV-3	PX-12	CH-WS-16	TW-9-010	CV-WA-3	CW-4-4
CH-RV-3	TX-12-7	CH-WS-17	TW-9-020	CV-WF-062	CW-9-062
CH-RV-4	TX-12-9	CH-WS-18	TW-9-030	CV-WF-094	CW-9-094
CH-RV-5	TX-12-10	CH-WS-2	TW-2-3	CV-WF-125	CW-9F
CH-RV-6	TX-12-8	CH-WS-20	TW-2-20	CV-WP1-OE	CW-4P
CH-S-1	TS-6	CH-WS-21	TW-2-210	CV-WP2-OE	CW-4-3P
CH-S-2	TS-6-1	CH-WS-22	TW-2-220	CV-WP3-OE	CW-4-300
CH-SD-1	TX-24-13	CH-WS-23	TW-2-230	FD3-WS-10	TW-2X10
CH-SD-2	TX-24-12	CH-WS-26	TW-4-20	FD3-WS-20	TW-2X
CH-SD-B	TX-24B	CH-WS-27	TW-4-21	FD3-WS-30	TW-2X30
CH-SD-G	TX-24G	CH-WS-30	TW-2-30	FD5-WF-047	FW-9-9A
CH-SD-O	TX-24-1	CH-WS-7	TW-2-110	FD5-WF-062	FW-9-9
CH-SD-P	TX-24-8	CH-WS-8	TW-2-120	FD-90-10BG	FH-1-CB9GRC
CH-SD-R	TX-24R	CH-WS-9	TW-2-130	FD-90-10FG	FH-1-9FGRC
CH-SD-W	TX-24W	CH-WT-100	TX-22WA	FD-90-140G	FH-1-46FLG
CH-SD-Y	TX-24Y	CH-WT-120	TX-22WD	FD-90-15FG	FH-1-16FGRC
CH-WA-10	TW-4-2	CH-WT-13	TX-22WS	FD-90-16BG	FH-1-CB3GRC
CH-WA-3	TW-4-17	CH-WT-132	TX-22WB	FD-90-17G	FH-1-13GRC
CH-WA-4	TW-4-13	CH-WT-32	TX-22WM	FD-90-20BG	FH-1-15TGRC
CH-WA-9	TW-4-4	CH-WT-60	TX-22WL	FD-90-22G	FH-1-13FLG
CH-WB-1	TW-3-3	CH-WT-91	TX-22WC	FD-90-24BG	FH-1-14TGMRC
CH-WB-2	TW-3-7	CI-B-1	D-11	FD-90-27G	FH-1-7GRC
CH-WB-3	TW-3-9	CI-B-2	D-12	FD-90-28G	FH-1-7K
CH-WF-062	TW-9-7CF	CI-MI-1	D-9	FD-90-30BG	FH-1-CB30GRC
CH-WF-094	TW-9-7DF	CI-MI-2	TX-10	FD-90-30FG	FH-1-30FGRC
CH-WF-1	TW-9-15	CI-MI-3	D-23	FD-90-32G	FH-1-12GRC
CH-WF-1	TW-9-15PR	CI-N-3	D-22A	FD-90-35BG	FH-1-14TGRC
CH-WF-125	TW-9-7AF	CI-O-1	D-7	FD-90-35FG	FH-1-14FGRC
CH-WF-156	TW-9-7BF	CI-O-2	D-10	FD-90-37G	FH-1-18FLG
CH-WF-3	TW-9-21	CI-RG-146XF	RG-146	FD-90-38BG	FH-1-CB11GRC
CH-WF-4	TW-9-25	CI-S-1	D-5	FD-90-3BG	FH-1-CB14GRC
CH-WF-5	TW-9-26	CV-B-1	CB-18	FD-90-3BX	FH-1-CB3
CH-WP2-OE	TW-9-23	CV-HR-2	CX-14	FD-90-3FG	FH-1-3FGRC
CH-WP2-OE	TW-9-23B	CV-HT	CX-13-1	FD-90-45FG	FH-1-23GRC
CH-WP4-OE	TW-4-19	CV-HT-2	CX-13	FD-90-48FG	FH-1-27FGRC

REFERENCE-TRI NUMBERS INTERCHANGE

REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #
FD-90-4BG	FH-1-CB4GRC	FD-CP-18	FX-26-2	FD-H-4BG	FH-1-CB4G
FD-90-4FG	FH-1-4FGRC	FD-CP-19	FX-26-3	FD-H-4FG	FH-1-4FG
FD-90-51G	FH-1-300ELGRC	FD-CP-2	FX-23-32	FD-H-51G	FH-1-300ELG
FD-90-54FG	FH-1-43FLG	FD-CP-7	FX-23-53	FD-H-5BG	FH-1-CB5G
FD-90-59G	FH-1-55FLG	FD-DA-13	FX-23-45	FD-H-5FG	FH-1-5FG
FD-90-5BG	FH-1-CB5GRC	FD-DA-14	FX-23-43	FD-H-6BG	FH-1-CB6G
FD-90-5FG	FH-1-5FGRC	FD-DA-17PB	FX-23-60	FD-H-6FG	FH-1-6FG
FD-90-60G	TH-1-36GRC	FD-DA-17PBF	FX-23-60A	FD-H-6FX	FH-1-6F
FD-90-61G	FH-1-40FLG	FD-DA-18PB	FX-23-68	FD-H-8FG	FH-1-8FG
FD-90-62G	FH-1-48GRC	FD-DA-18PBF	FX-23-68A	FD-H-9BG	FH-1-CB16G
FD-90-63FG	FH-1-45GRC	FD-DA-19PB	FX-23-66	FD-H-9FG	FH-1-11FG
FD-90-68G	FH-1-47GRC	FD-DA-19PBF	FX-23-66A	FD-H-DD	FH-1-500G
FD-90-6BG	FH-1-CB6GRC	FD-DA-23P	FX-23-79	FD-HR-11	FX-14-9
FD-90-6BX	FH-1-CB6	FD-DA-5	FX-23-106	FD-HT-12	FX-13-31
FD-90-6FG	FH-1-6FGRC	FD-DA-6	FX-23-109	FD-HT-12HS	FX-13-31HT
FD-90-8BG	FH-1-CB13GRC	FD-DA-7	FX-23-8N	FD-HT-13K	FX-13-19BK
FD-90-8FG	FH-1-8FGRC	FD-DA-8	FX-23-108	FD-HT-14HSK	FX-13-19CKHT
FD-90-9BG	FH-1-CB16GRC	FD-DA-9	FX-23-11N	FD-HT-14K	FX-13-19CK
FD-90-9FG	FH-1-11FGRC	FD-DA-9K	FX-23-11	FD-HT-16	FX-13-21
FD-90CM-40G	FH-1-38HP	FD-DP-1B	FX-11	FD-HT-16HS	FX-13-21HT
FD-90-DD	FH-1-500GRC	FD-FE-7	FX-23-10	FD-HT-25	FX-13-33
FD-B-1	FB-18	FD-FN-4	FX-10-4	FD-HT-25HS	FX-13-33HT
FD-B-10	FB-18-9	FD-FN-6K	FX-10-21K	FD-HT-27	FX-13-3S
FD-B-11	FB-18-8	FDGM-HT-1	FX-13-27HD	FD-HT-3	FX-13-30
FD-B-2	FB-18-4	FDGM-HT-HP	FX-13GM	FD-HT-30	FX-13-16
FD-B-2X	FB-18-4X	FDGM-HT-HPHS	FX-13GMHT	FD-HT-31	FX-13-34
FD-B-3	FB-18-3	FDGM-R-1	FX-14CB	FD-HT-31HS	FX-13-34HT
FD-B-4	FB-18-6	FDGM-R-HP	FX-14-27	FD-HT-32HS	FX-13-37HT
FD-B-9	FB-18-7	FD-H-10BG	FH-1-CB9G	FD-HT-33	FX-13-35
FD-CC-11	FX-22-6D	FD-H-10FG	FH-1-9FG	FD-HT-33HS	FX-13-35HT
FD-CC-12D	FX-22-35	FD-H-16BG	FH-1-CB3G	FD-HT-34	FX-13-22
FD-CC-12D	FX-22-4D	FD-H-17G	FH-1-13G	FD-HT-34HS	FX-13-22HT
FD-CC-16	FX-22-27	FD-H-24BG	FH-1-14TGM	FD-HT-37HS	FX-13-44HT
FD-CC-17L4	FX-22-36	FD-H-25G	FH-1-20G	FD-HT-38HS	FX-13-48HT
FD-CC-17S	FX-22-29	FD-H-30BG	FH-1-CB30G	FD-HT-39HS	FX-13-32HT
FD-CC-21S	FX-22-37	FD-H-30FG	FH-1-30FG	FD-HT-3HS	FX-13-30HT
FD-CC-22S	FX-22-38	FD-H-35BG	FH-1-14TG	FD-HT-4	FX-13-4S
FD-CP-1	FX-23-31	FD-H-35FG	FH-1-14FG	FD-HT-40HS	FX-13-45HT
FD-CP-12	FX-23-77	FD-H-38BG	FH-1-CB11G	FD-HT-40HSK	FX-13-45HTK
FD-CP-13	FX-23-76	FD-H-3BG	FH-1-CB14G	FD-HT-41HS	FX-13-43HT
FD-CP-140	FX-23-81	FD-H-3FG	FH-1-3FG	FD-HT-4E	FX-13-1
FD-CP-140	FX-26-5	FD-H-3FX	FH-1-3F	FD-HT-4HS	FX-13-4HT
FD-CP-15	FX-26-1	FD-H-41-CP	FH-1-25FLG	FD-HT-4T	FX-13-6

REFERENCE-TRI NUMBERS INTERCHANGE

REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #
FD-HT-5HS	FX-13-39HT	FD-O-15	FO-25-15	FD-RV-8	FX-12-9
FD-HT-6	FX-13-2	FD-O-16	FO-25-16	FD-RV-9	SX-12-10
FD-HT-65	FX-13-15	FD-O-17V	FO-25-8A	FD-S-1	FS-6-2
FD-HT-65HS	FX-13-15HT	FD-O-18V	FO-25-5X	FD-S-2	FS-6-8
FD-HT-66HS	FX-13-46HT	FD-O-19A	FO-25-17	FD-S-3	FS-6-5
FD-HT-6HS	FX-13-2S	FD-O-2	FO-1-21	FD-SC-R	MHC-STD
FD-HT-A4LD	FX-13-13S	FD-O-20	FO-25-13	FD-SP-1	FC-6-11
FD-HT-A4LDHS	FX-13-13SHT	FD-O-21	FO-25-14	FD-SR-2	FX-20-11
FD-HT-AOD	FX-13-10	FD-O-22	FO-25-19	FD-WA-1	FW-4-11
FD-HT-AODE	FX-13-20	FD-O-23V	FO-25-18	FD-WA-10	FW-4-25
FD-HT-AODEHS	FX-13-20HT	FD-O-24V	FO-25-20	FD-WA-12	FW-4-23
FD-HT-AODHS	FX-13-10HT	FD-O-25V	FO-25-24	FD-WA-14	FW-4-27
FD-HT-AXOD	FX-13-14	FD-O-26V	FO-25-33	FD-WA-17	FW-9-14
FD-HTCM-26K	FX-22-26K	FD-O-27V	FO-25-31	FD-WA-18	FW-4-35
FD-HT-E4OD	FX-13-19	FD-O-28V	FO-25-25	FD-WA-2	FW-4-10
FD-HT-E4ODHS	FX-13-19HT	FD-O-29	FO-25-21	FD-WA-20	FW-4-33
FD-I-26	FX-13-26	FD-O-30	FO-25-22	FD-WA-25	FW-4-37
FD-I-2K	FX-13-28K	FD-O-31V	FO-25-32	FD-WA-26	FW-4-39
FD-I-4	FX-22-21	FD-O-32V	FO-25-23	FD-WA-27	FW-4-38
FD-I-5	FX-22-23	FD-O-3V	FO-25-4	FD-WA-3	FW-4-17
FD-I-7	FX-22-26	FD-O-40	FO-25-11	FD-WA-4	FW-4-18
FD-IK-01	FX-22-25	FD-O-4V	FO-25-5V	FD-WA-5	FW-9-10C
FD-N-1	FW-2-3	FD-O-52	FO-25-1	FD-WA-6	FW-9-10
FD-N-10	FW-2-11	FD-O-5V	FO-25-6	FD-WA-7	FW-4-14
FD-N-11	FW-2-15	FD-O-60	JO-25-5	FD-WA-8	FW-4-4A
FD-N-12	FW-2-16	FD-O-6V	FO-25-7	FD-WA-9	FW-4-24
FD-N-13	FW-2-14	FD-O-7V	FO-25-9	FD-WB-2	FW-9-6
FD-N-14	FW-2-13	FD-O-8V	FO-25-8	FD-WB-3A	FW-9-12A
FD-N-15	FW-2-12	FD-O-9	FO-25-12	FD-WB-3B	FW-9-12B
FD-N-16	FW-9-29	FD-PI-1	FX-17-9HP	FD-WB-3C	FW-9-12C
FD-N-17	FW-9-31	FD-R-10	CX-5-30HP	FD-WB-3D	FW-9-12D
FD-N-1K	FW-2BK	FD-R-4	FX-14-2	FD-WB-4A	FW-9-16A
FD-N-2	FW-2-4	FD-R-6	FX-14-1	FD-WB-4B	FW-9-16B
FD-N-3	FW-2-4A	FD-R-7	FX-14-5	FD-WB-4C	FW-9-16C
FD-N-5	FW-2-6	FD-RG-132	RG-132	FD-WB-4D	FW-9-16D
FD-N-6	FW-2-8	FD-RO-705	FR-7-2	FD-WB-4E	FW-9-16E
FD-N-7	FW-2-9	FD-RO-900	FR-7	FD-WF-047	FW-9-4TF
FD-N-8	FW-2-5	FD-RV-1	FX-12	FD-WF-062	FW-9-4AF
FD-N-9	FW-2-10	FD-RV-10	FX-12-10	FD-WF-094	FW-9-4EF
FD-O-1	FO-1-20	FD-RV-11	FX-12-8	FD-WF-125	CW-9-3F
FD-O-10V	TO-25-12	FD-RV-11L	FX-12L	FD-WF-156	CW-9-3BF
FD-O-11	TO-25-11	FD-RV-2	FX-12-4	FD-WF-188	FW-9-4G
FD-O-13V	FO-25-7X	FD-RV-3	FX-12LS	FD-WF-188	FW-9-4GF

REFERENCE-TRI NUMBERS INTERCHANGE

REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #
FD-WF-3	FW-9-28	FS-90-7G	PH-1-18GRC	FS-O-60K	PO-25T
FD-WP12-OE	FW-4-22	FS-90-8G	PH-1-12GRC	FS-O-60K	PO-25X
FD-WP-17A	FW-9-19	FS-90-9G	PH-1-17FLG	FS-RV-1	PX-12
FD-WP18-OE	FW-4-30	FS-CP-1	PX-26-3	FS-RV-1L	PX-12L
FD-WP19-OE	FW-4-29	FS-CP-2	PX-26-7	FS-SD-1	PX-26-5
FD-WP1-OE	FW-4-7	FS-CP-3	PX-26-6	FS-WA-1	PW-4-4
FD-WP20-OE	FW-4-28	FS-CP-56BW	PX-26-10	FS-WA-10	PW-4-14
FD-WP21-OE	FW-9-17	FS-CP-7BW	PX-26-11	FS-WA-11	PW-4-13
FD-WP23-OE	FW-9-30	FS-H-1G	TH-1-14G	FS-WA-2	PW-4-2
FD-WP-26	FW-9-26	FS-H-2G	PH-1-6G	FS-WA-3	PW-4-3
FD-WP-28	FW-9-27	FS-HT-1	PX-13-2	FS-WA-5	PW-4-5
FD-WP2-OE	FW-4-9	FS-HT-10	PX-13-10	FS-WA-6	PW-4-6
FD-WP3-OE	FW-4-2P	FS-HT-10HS	PX-13-10HT	FS-WA-7	PW-4-8
FD-WP6-OE	FW-4-4P	FS-HT-11	PX-13-12	FS-WA-8	PW-4-1
FD-WP7-OE	FW-4-19	FS-HT-11HS	PX-13-12HT	FS-WA-9	PW-4-11
FD-WP8-OE	FW-4-12	FS-HT-14HS	PX-13-15HT	FS-WF-062	PW-9-062
FD-WP9-OE	FW-4-15	FS-HT-2	PX-13-8	FS-WF-094	PW-9-094
FD-WP-AP	FW-4-3P	FS-HT-2HS	PX-13-8HT	FS-WP1-OE	PW-9-3D
FD-WS-1	FX-22-10K	FS-HT-3	PX-13-4	FS-WP2-OE	PW-9-3E
FD-WS-10	MW-2-10	FS-HT-3HS	PX-13-4HT	FS-WP3-OE	PW-9-3F
FD-WS-11	FX-8-13	FS-HT-4	PX-13-7	FS-WP4-OE	PW-9-2D
FD-WS-12	FX-22-22	FS-HT-4HS	PX-13-7HT	FS-WP5-OE	PW-9-2E
FD-WS-13	FX-22-28	FS-HT-5	PX-13-5	FS-WP6-OE	PW-9-2F
FD-WS-14	FW-24-8HP	FS-HT-5HS	PX-13-5HT	FS-WP-8	PW-9-8
FD-WS-17	FW-9-23	FS-HT-6	PX-13	FS-WS-1	PX-22-5
FD-WS-18	FW-9-24	FS-HT-6HS	PX-13HT	FS-WS-10	VW-2-10
FD-WS-2	FW-2-1	FS-HT-7	PX-13-9	FS-WS-2	PX-22-6
FD-WS-20	MW-2-20	FS-HT-7HS	PX-13-9HT	FS-WS-20	VW-2-20
FD-WS-21	FX-23-61	FS-HT-8	PX-13-1	FS-WS-30	VW-2-30
FD-WS-23	FW-9-22	FS-HT-8HS	PX-13-1HT	GM-90-10G	SH-1-10GRC
FD-WS-27	FW-4-34	FS-HT-9	PX-13-11	GM-90-10GSP	SH-1-28GRC
FD-WS-28	FX-8-15	FS-I-27	PX-13-27	GM-90-11G	SH-1-14GRC
FD-WS-3	FW-2-1A	FS-N-1	PW-2-4	GM-90-12G	SH-1-12GRC
FD-WS-30	MW-2-30	FS-N-2	PW-2-3	GM-90-13G	SH-1-19GRC
FD-WS-31	FX-22-30	FS-N-3	PW-2-6	GM-90-14G	SH-1-57GRC
FD-WS-6	FW-9-18	FS-N-4	PW-2-10	GM-90-15G	SH-1-20GRC
FD-WS-7	FX-22-12A	FS-N-5	PW-9-7	GM-90-17G	SH-1-17GRC
FS-90-10G	PH-1-14GRC	FS-O-1V	PO-25	GM-90-18G	SH-1-24GRC
FS-90-1G	TH-1-14GRC	FS-O-27V	PO-25-6	GM-90-19G	SH-1-21GRC
FS-90-2G	PH-1-6GRC	FS-O-2V	PO-25-1	GM-90-1G	SH-1GRC
FS-90-3G	PH-1-7GRC	FS-O-3V	PO-25-8	GM-90-2G	SH-1-2GRC
FS-90-4G	PH-1-9GRC	FS-O-4V	PO-25-9	GM-90-300G	SH-1-300GRC
FS-90-6G	PH-1-15GRC	FS-O-5	PO-25-10	GM-90-300GA	SH-1-300AGRC

REFERENCE-TRI NUMBERS INTERCHANGE

REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #
GM-90-30G	SH-1-18GRC	GM-CP-5	SX-26-1	GM-H-51G	SH-1-47G
GM-90-30G	SH-1-27GRC	GM-DA-1	SX-23-104	GM-H-54G	SH-1-17G
GM-90-32FG	SH-1-22GRC	GM-DA-2	SX-23-103	GM-H-5G	SH-1-5G
GM-90-33G	SH-1-15GRC	GM-DA-3	SX-23-110	GM-H-5X	SH-1-5
GM-90-38G	SH-1-500GRC	GM-DA-4	SX-23-111	GM-H-6G	SH-1-6G
GM-90-3G	CH-1-8TGRC	GM-DA-5P	SX-23-64	GM-H-6X	SH-1-6
GM-90-40G	SH-1-25GRC	GM-DA-7P	SX-23-53	GM-H-8G	CH-1-10TG
GM-90-41G	SH-1-41GRC	GMFD-90-1G	SH-1-63GRC	GM-H-9G	SH-1-9G
GM-90-44G	SH-1-43GRC	GMFD-B-1	SB-18-6	GM-H-DD	SH-1-500G
GM-90-46G	SH-1-38GRC	GMFD-HT-1HS	SX-13-43HT	GM-HR-1	SX-14
GM-90-47G	SH-1-36GRC	GMFD-N-1	SW-2-34	GM-HR-10	SX-14-5
GM-90-48G	SH-1-37GRC	GMFD-N-2	SW-2-35	GM-HR-16	SX-14-10
GM-90-49G	SH-1-29GRC	GMFD-O-1V	SO-23-41	GM-HR-17	SX-14-9
GM-90-4G	SH-1-4GRC	GMFD-O-2V	SO-23-42	GM-HR-2	SX-14-3
GM-90-50G	SH-1-58GRC	GMFD-RV-1	SX-12-18	GM-HR-21	SX-14-11
GM-90-51G	SH-1-47GRC	GMFD-WP-1	SW-9-19	GM-HR-3	SX-14-4
GM-90-52G	SH-1-35GRC	GMFD-WP-1T	SW-9-21	GM-HR-9	SX-14-6
GM-90-53G	SH-1-46GRC	GMFD-WP-2	SW-9-20	GM-HT	SX-13S
GM-90-5G	SH-1-5GRC	GMFD-WP-2T	SW-9-22	GM-HT-13	SX-13-30W
GM-90-61G	SH-1-62GRC	GM-FN-1	SX-10-4	GM-HT-14	SX-13-27W
GM-90-69G	SH-1-61GRC	GM-FN-2	SX-10-6	GM-HT-3	SX-13-12
GM-90-6G	SH-1-6GRC	GM-FN-3	SX-10	GM-HT-33HSR	SX-13-44HP
GM-90-71G	SH-1-60GRC	GM-FN-7	SX-10-12	GM-HT-34HS	SX-13-34HT
GM-90-72G	SH-1-64GRC	GM-H-11G	SH-1-14G	GM-HT-3HS	SX-13-12HT
GM-90-75G	SH-1-59GRC	GM-H-125G	SH-1-1G	GM-HT-4	SX-13-15
GM-90-83G	SH-1-66FLG	GM-H-12G	SH-1-12G	GM-HT-40HS	SX-13-10HT
GM-90-8G	CH-1-10TGRC	GM-H-12X	SH-1-12	GM-HT-45HS	SX-13-35HT
GM-90-9G	SH-1-9GRC	GM-H-13G	SH-1-19G	GM-HT-49HS	SX-13-41HT
GM-90CM-29G	SH-1-52HP	GM-H-19G	SH-1-21G	GM-HT-5	SX-13-5
GM-90CM-32G	SH-1-50HP	GM-H-1G	SH-1G	GM-HT-5HS	SX-13-5HT
GM-B-1	SB-18-1	GM-H-1X	SH-1	GM-HT-6	SX-13-6
GM-B-2	SB-18-2	GM-H-2G	SH-1-2G	GM-HT-8	SX-13-11
GM-B-2X	SB-18-2X	GM-H-2X	SH-1-2	GM-HT-8HS	SX-13-11HT
GM-B-4	SB-18-2-10	GM-H-300G	SH-1-300G	GM-HT-9	SX-13-14
GM-B-5T	SB-18-5T	GM-H-30G	SH-1-18G	GM-HT-9HS	SX-13-14HT
GM-B-7	SB-18-7	GM-H-30G	SH-1-27G	GM-HTCM-28	SX-13-39HP
GM-B-8	SB-18-8	GM-H-33G	SH-1-15G	GM-HTCM-29	CW-13-7HP
GM-BM-2	FX-10-18	GM-H-3G	CH-1-8G	GM-HT-HS	SX-13SHT
GM-BM-4	SX-24-4HP	GM-H-41G	SH-1-41G	GM-I-14HS	SX-22XA
GMBW-WS-40	SW-2-45	GM-H-44G	SH-1-43G	GM-I-27	SX-13-27
GM-CC-11	SX-22-26	GM-H-47G	SH-1-36G	GM-I-27A	SX-13-27C
GM-CC-13	SX-22-12	GM-H-4G	SH-1-4G	GM-I-27B	SX-13-27FF
GM-CC-5	SX-22-2HP	GM-H-4X	SH-1-4	GM-I-27F	SX-13-27F

REFERENCE-TRI NUMBERS INTERCHANGE

REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #
GM-I-27FL	SX-13-27FL	GM-O-3V	SO-23-1A	GM-S-2	SS-6-6
GM-I-30	SX-13-30	GM-O-4V	SO-23-21A	GM-S-3	SS-6-2
GM-I-30F	SX-13-30FF	GM-O-5V	SO-23-25	GM-S-4	SS-6-1
GM-I-31	SX-13-30FS	GM-O-6V	SO-23-26	GM-S-5	CS-6-1
GM-N-10H	SW-2-9HD	GM-O-7V	SO-23-27	GM-S-8	SS-6-4
GM-N-11	SW-2-11	GM-O-8V	SO-23-33	GM-S-9	SS-6-3
GM-N-13H	SW-2-14	GM-O-9V	SO-23-28	GM-ST-086	SX-5-10
GM-N-13R	SW-2-19	GM-PI-1	SX-23HP	GM-WA-10	SW-4-15
GM-N-14H	35400C	GM-PI-10	SX-23R	GM-WA-13	SW-4-20
GM-N-15	35402B	GM-PI-11	SX-23C	GM-WA-19	SW-4-22
GM-N-16	35403B	GM-PI-125K	CSK-1HP	GM-WA-2	SW-4-17
GM-N-17	SW-2-18	GM-PI-14	SX-23M	GM-WA-20	SW-4-11
GM-N-18	SW-2-24	GM-PI-2	SX-23F	GM-WA-21	SX-15-3K
GM-N-1H	SW-2-1	GM-PI-250K	CSK-3HP	GM-WA-22	SW-4-25
GM-N-1H	SW-2-3	GM-PI-375K	CSK-4HP	GM-WA-24	SW-4-24
GM-N-1HK	SW-2-3K	GM-PI-500K	CSK-5HP	GM-WA-25	SW-9-17
GM-N-1L	SW-2D	GM-PI-9	SX-23B	GM-WA-27C	SW-9-11
GM-N-20	SW-2-33	GM-PV-1	SX-23-8	GM-WA-28	SW-4-30
GM-N-22	SW-2-39	GM-R-15	SX-15A	GM-WA-3	SW-2-16
GM-N-23	SW-2-41	GM-R-8	CX-5-29HP	GM-WA-37	SW-4-18
GM-N-24	SW-2-37	GM-RO-1	SR-7-4	GM-WA-38	SW-4-26
GM-N-25	SW-2-38	GM-RO-2	SR-7-5	GM-WA-4	SW-4-9
GM-N-26	SW-2-40	GM-RO-385	SR-7-2	GM-WA-40	SW-4-32
GM-N-2H	SW-2-1HD	GM-RO-435	SR-7-1	GM-WA-47	SW-4-31
GM-N-2HK	SW-2-3KHD	GM-RO-480	SR-7-6	GM-WA-5	SW-9-150
GM-N-4H	SW-2-4	GM-RO-556	CR-7-1	GM-WA-6	SW-4-12
GM-N-6H	SW-2-6	GM-RO-572	SR-7	GM-WA-7	SW-4-13
GM-N-8H	SW-2-8	GM-RO-837	SR-7-3	GM-WA-8	SW-9-14
GM-N-8HLT	SW-2-12	GM-RO-864	CR-7	GM-WC-2	SW-9-52
GM-N-8HLT	SW-2-12T	GM-RS-1	SX-15B	GM-WC-3	SW-9-53
GM-N-9H	SW-2-9	GM-RS-3HP	SX-15-5	GM-WC-4	SW-9-54
GM-O-10V	SO-23-24A	GM-RV-1	SX-12-17	GM-WC-5	SW-9-55
GM-O-11V	SO-23-36	GM-RV-10	SX-12-16	GM-WC-6	SW-9-56
GM-O-12V	SO-23-33X	GM-RV-11	SX-12-19	GM-WC-7	SW-9-57
GM-O-13	SO-23-35	GM-RV-12	SX-12-15	GM-WF-062	TW-9-5AF
GM-O-14V	SO-23-38	GM-RV-3	SX-12-11	GM-WF-094	TW-9-5BF
GM-O-15V	SO-23-40	GM-RV-5	SX-12-7	GM-WF-125	SW-9-1F
GM-O-16	SO-23-43	GM-RV-6	SX-12-2	GM-WF-125	TW-9-5CF
GM-O-17V	SO-23-39	GM-RV-8	SX-12-10	GM-WF-156	SW-9-3F
GM-O-1V	SO-23-1	GM-RV-9	SX-12-14	GM-WF-188	SW-9-4
GM-O-21V	SO-23-21	GM-S-1	CS-6	GM-WP-1	SW-4-6
GM-O-22	SO-23-30	GM-S-11	SS-6	GM-WP10-OE	SW-4-16
GM-O-2V	SO-23-24	GM-S-12	SS-6-7	GM-WP11-OE	SW-4-2A

REFERENCE-TRI NUMBERS INTERCHANGE

REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #
GM-WP12-OE	SW-4-2C	HO-CP-1	NX-26-1	JA-H-3G	JH-1-16G
GM-WP14-OE	SW-4-28	HO-CP-12K	NX-26-1K	JA-H-6G	JH-1-31G
GM-WP-16	SW-9-23	HO-CP-2	NX-26-2	JA-HT-1	JX-13-27
GM-WP-2	SW-4-2	HO-N-1	NW-2	JA-HT-10	JX-13-34
GM-WP2-OE	SW-4-2B	HO-N-2	NW-9B	JA-HT-10HS	JX-13-34HT
GM-WP3-OE	SW-4-27	HO-N-2K	NW-9K	JA-HT-11HS	JX-13-49HT
GM-WP4-OE	SW-4-10	HO-N-4	NW-2-2	JA-HT-14HS	JX-13-47HT
GM-WP-5	SW-4-4	HO-N-5	NW-2-5	JA-HT-1HS	JX-13-27HT
GM-WP6-OE	SW-4-5	HO-N-6	NW-2-3	JA-HT-20	JX-13-31
GM-WP8-OE	SW-4-5D	HO-N-7	NW-2-6	JA-HT-20HS	JX-13-31HT
GM-WS-020X	SW-2-020	HO-O-1V	84048	JA-HT-25	JX-13-35
GM-WS-1	SW-2-110	HO-O-2V	NO-25-1	JA-HT-25HS	JX-13-35HT
GM-WS-10	SW-9-10	HO-O-36	NO-25	JA-HT-3HS	JX-13-38HT
GM-WS-11	SW-9-15	HO-O-3V	NO-25-3	JA-HT-5	JX-13-5
GM-WS-14	SX-24-3HP	HO-O-4V	NO-25-2	JA-HT-5HS	JX-13-5HT
GM-WS-17	SX-24-1HP	HO-O-5V	NO-25-4	JA-HT-6	JX-13-7
GM-WS-18	SW-2-310	HO-RG-103	RG-103N	JA-HT-6HS	JX-13-7HT
GM-WS-19	SW-2-320	HO-RG-107	RG-107N	JA-HT-8	JX-13-6
GM-WS-2	SW-2-120	HO-RG-114	RG-114NW	JA-HT-8-20	JX-13-28
GM-WS-20	SW-2-330	HO-RG-114A	RG-114N	JA-HT-8-20HS	JX-13-28HT
GM-WS-24	SW-2-410	HO-RG-114B	RG-114B	JA-HT-8HS	JX-13-6HT
GM-WS-25	SW-2-420	HO-RO-1	YR-7-1	JA-I-18	JX-13-18X
GM-WS-26	SW-2-430	HO-WB-1	NW-4	JA-IK-12HT	JX-22-100
GM-WS-3	SW-2-130	HO-WB-2	NW-4-1	JA-IK-1HT	JX-22-102
GM-WS-30	SW-2-030	JA-90-10G	JH-1-49FLG	JA-N-1	JW-2-6
GM-WS-30S	SW-2-30	JA-90-13G	JH-1-41FLG	JA-N-11	JW-2-27
GM-WS-4	SW-2-210	JA-90-14G	JH-1-43FLG	JA-N-12	JW-2-26
GM-WS-43	SW-2-44	JA-90-1G	JH-1-25GRC	JA-N-13	JW-2-28
GM-WS-5	SW-2-220	JA-90-2G	JH-1-27GRC	JA-N-15	JW-2-29
GM-WS-50	SW-2-050	JA-90-3G	JH-1-16GRC	JA-N-16	JW-2-30
GM-WS-6	SW-2-230	JA-90-4G	JH-1-32FLGRC	JA-N-2	JW-2-5
GM-WS-60	SW-2-60	JA-90-6G	JH-1-31GRC	JA-N-3	JW-2-2
HK-90-1G	KH-1-6FLG	JA-90-8G	JH-1-50FLG	JA-N-4	JW-2-14
HK-90-2G	KH-1-5FLG	JA-90-9G	JH-1-48FLG	JA-N-5	JW-2-15
HK-90-3G	KH-1-3FLG	JA-B-1	JB-18-3	JA-N-6	JW-2-16
HK-90-4G	KH-1-1FLG	JA-B-2	JB-18-6	JA-N-7	JW-2-20
HK-90-5G	KH-1-4FLG	JA-B-3	JB-18-10	JA-N-8	JW-2-17
HK-90-6G	KH-1-2FLG	JA-B-4	JB-18-11	JA-N-9	JW-2-18
HK-O-1V	KO-25-1	JA-CP-1	JX-23-34	JA-O-10V	JO-25-15
HO-90-1G	NH-1	JA-CP-2	JX-23-35	JA-O-11V	JO-25-19
HO-90-2G	NH-1-2A	JA-CP-4	JX-23-38	JA-O-12	JO-25-21
HO-90-3G	NH-1-4	JA-CP-5S	JX-23-40	JA-O-13V	JO-25-22
HO-90-4G	NH-1-8	JA-CP-6P	JX-23-39	JA-O-14V	JO-25-23

REFERENCE-TRI NUMBERS INTERCHANGE

REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #
JA-O-1V	JO-25-1	MB-90-5G	HH-1-5GRC	MI-DP-1S	FX-11
JA-O-2V	JO-25-2	MB-90-6G	HH-1-9GRC	MI-DP-2B	TX-11
JA-O-3V	JO-25-4	MB-B-1	HB-18	MI-FN-1	FX-10-6
JA-O-4	JO-25-9	MB-B-1T	HB-18T	MI-HC-B	MHC-BU
JA-O-5V	JO-25-1X	MB-CP-10KA	HX-23-13K	MI-HC-BR	MHC-BR
JA-O-6V	JO-25-12	MB-CP-10R	HX-23-13	MI-HC-BU	MHC-P
JA-O-7	JO-25-16	MB-CP-11KA	HX-23-15K	MI-HC-C	MHC-CL
JA-O-8V	JO-25-13	MB-CP-12	HX-23-19	MI-HC-G	MHC-G
JA-O-9V	JO-25-14	MB-CP-14S	HX-23-17	MI-HC-O	MHC-RN
JA-RO-1	JR-7-1	MB-CP-15S	HX-23-18	MI-HC-P	MHC-B
JA-RO-4	JR-7-2	MB-CP-272K	HX-23-5K	MI-HC-R	MHC-R
JA-RO-6	FR-7-3	MB-CP-290K	HX-23-6K	MI-HC-W	MHC-W
JA-RO-7	JR-7-3	MB-CP-3KR	HX-23-1K	MI-HC-Y	MHC-Y
JA-RV-1	JX-12	MB-CP-4K	HX-23-2	MI-LB-1	ML-1
JA-RV-1L	JX-12L	MB-CP-6K	HX-23-3	MI-LB-3	ML-3
JA-RV-2	WX-12A	MB-CP-7K	HX-23-4K	MI-N-1	AXK-2035
JA-RV-3	JX-12-3	MB-CP-7KBW	HX-23-8K	MI-N-10	NTA-3446
JA-RV-4	HX-12S	MB-CP-8BW	HX-23-16	MI-N-11	TRA-3446
JA-RV-5	JX-12-7	MB-CP-9K	HX-23	MI-N-12	TRB-2031
JA-RV-6	JX-12-8	MB-FN-2K	HX-10K	MI-N-15	PW-2-7
JA-S-1	JS-6-1	MB-HB-1K	HX-22-1	MI-N-16	PW-2-9
JA-WA-1	JW-4-15	MB-N-1	HW-2-3	MI-N-16	TRA-2233
JA-WA-10	JW-4-27	MB-N-2	HW-2-2	MI-N-17	TRB-3244
JA-WA-11	JW-4-32	MB-N-3	HW-2-1	MI-N-18	TRB-2840
JA-WA-12	JW-4-33	MB-N-4	HW-2-6	MI-N-18	TWB-2840
JA-WA-13	JW-4-34	MB-N-5	HW-2-7	MI-N-2	NW-9W
JA-WA-14	JW-4-35	MB-O-10	HO-25-11	MI-N-20	TRB-2233
JA-WA-15	JW-4-36	MB-O-11V	HO-25-8	MI-N-22	TRC-2233
JA-WA-16	JW-4-37	MB-O-12V	HO-25-9	MI-N-24	MW-2-1
JA-WA-17	JW-4-38	MB-O-2V	HO-25-1	MI-N-28	NW-2-4
JA-WA-2	JW-4-16	MB-O-4V	HO-25-2	MI-N-3	JW-2N
JA-WA-4	JW-4-17	MB-O-5V	HO-25-3	MI-N-4	NTA-2031
JA-WA-5	JW-4-18	MB-O-6V	HO-25-7	MI-N-5	TRA-2031
JA-WA-6	JW-4-21	MB-O-7V	HO-25-12	MI-N-6	NTA-2840
JA-WA-7	JW-4-22	MB-O-8V	HO-25-5	MI-N-6210	MB-6210
JA-WA-9	JW-4-26	MB-O-9	HO-25-6	MI-N-6304	MB-6304
JA-WB-2	JW-9-12	MB-S-1	HX-24-1	MI-N-7	TRA-2840
JA-WB-3	JW-9-15	MB-S-2	HX-24-2	MI-N-8	NTA-3244
JA-WP-1	JW-9-16	MB-SR-2	HX-20-2	MI-N-9	TRA-3244
JA-WS-2	JW-4-11	MB-SR-3	HX-20-1	MI-RG-164	RG-164C
MB-90-1G	HH-1-2C	MB-WS-4060	JW-2-5T	MI-RR-1	TX-22-985
MB-90-2G	HH-1-3C	MB-WS-4060T	JW-2-5TT	MI-RR-1N	TX-22-985NR
MB-90-4G	HH-1-6C	MI-DP-1B	FX-11A	MI-RR-2	TX-22-878

REFERENCE-TRI NUMBERS INTERCHANGE

REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #
MI-RR-2N	TX-22-878NR	MT-90-4G	TH-1-22GRC	MT-WP-3K	TW-2-5K
MI-RR-3	TX-22-786	MT-90-5G	TH-1-26GRC	MT-WP4-OE	TW-9-17
MI-RR-3N	TX-22-786NR	MT-90-6G	TH-1-13GRC	MT-WS-4K	TW-2-27K
MI-RR-4	FX-21-846	MT-90-7G	TH-1-45FLG	MZ-90-1G	JH-1-19FLGRC
MI-RR-4N	FX-21-846NR	MT-90-8G	TH-1-38GRC	MZ-90-2G	JH-1-20FLGRC
MI-RR-5	FX-21-1005	MT-B-1	TB-18-12	MZ-B-1	JB-18-8B
MI-RR-5N	FX-21-1005NR	MT-H-6G	TH-1-13G	MZ-B-1A	JB-18-9
MI-RR-6	TX-22-7015	MT-HT-1	TX-13-16	MZ-B-1X	JB-18-8X
MI-RR-6N	TX-22-7015NR	MT-HT-175	TX-13-11	MZ-B-2	JB-18-7
MI-RR-7	SX-23-1054	MT-HT-175HS	TX-13-11HT	MZ-HT-1	JX-13-13
MI-RR-7N	SX-23-1054NR	MT-HT-176	TX-13-15	MZ-HT-11HS	JX-13-36HT
MI-RR-8N	JX-22-855NR	MT-HT-176HS	TX-13-15HT	MZ-HT-12HS	JX-13-50HT
MI-RV-1	TX-12S	MT-HT-177	TX-13-17	MZ-HT-1HS	JX-13-13HT
MI-SH-1	MX-SH-1	MT-HT-177HS	TX-13-17HT	MZ-HT-2	JX-13-17
MI-SH-2	MX-SH-2	MT-HT-1HS	TX-13-16HT	MZ-HT-2HS	JX-13-17HT
MI-SH-3	MX-SH-3	MT-HT-2	TX-13-19	MZ-HT-3HS	JX-13-12HT
MI-SP-1	MC-1	MT-HT-2HS	TX-13-19HT	MZ-HT-4	JX-13-9
MI-SP-3	MC-2	MT-HT-3	TX-13-32	MZ-HT-4HS	JX-13-9HT
MI-SP-4	MC-4	MT-HT-3HS	TX-13-32HT	MZ-HT-5	JX-13-30
MI-SP-5	MC-6	MT-HT-4HS	TX-13-37HT	MZ-HT-5HS	JX-13-30HT
MI-SP-6	BC-6HDA	MT-HT-5	TX-13-35	MZ-HT-6	JX-13-29
MI-SP-7	BC-6HD	MT-HT-5HS	TX-13-35HT	MZ-HT-6HS	JX-13-29HT
MI-TS-1	ML-TS1	MT-HT-6HS	TX-13-36HT	MZ-HT-7	JX-13-32
MI-WA-1	JW-4-23	MT-N-1K	TW-2-12K	MZ-HT-7HS	JX-13-32HT
MI-WT-10	MP-10	MT-N-2	TW-2-25	MZ-HT-7HS	JX-13-41HT
MI-WT-10H	MP-10H	MT-N-3	TW-2-26	MZ-HT-8	JX-13-33
MI-WT-12	MP-12	MT-O-10V	TO-25-21	MZ-HT-8HS	JX-13-33HT
MI-WT-12H	MP-12H	MT-O-3V	TO-25-9	MZ-HT-9	JX-13-11
MI-WT-15	MP-15	MT-O-4V	TO-25-4	MZ-N-1	JW-2-12
MI-WT-15H	MP-15H	MT-O-5V	TO-25-5	MZ-N-2	JW-2-10
MI-WT-17	MP-17	MT-O-6V	TO-25-13	MZ-N-4	JW-9-8K
MI-WT-17H	MP-17H	MT-O-7V	TO-25-25	MZ-N-5	JW-9-9
MI-WT-20	MP-20	MT-O-8V	TO-25-20	MZ-O-1V	JO-25-10
MI-WT-20H	MP-20H	MT-RG-106	RG-106KM	MZ-O-2V	TO-25-14
MI-WT-24	MP-24	MT-RG-110	RG-110KM	MZ-O-3	JO-25-20
MI-WT-24H	MP-24H	MT-RV-1	TX-12-4	MZ-O-40	JO-25-8
MI-WT-5	MP-05	MT-RV-1L	TX-12-4L	MZ-RV-1L	FX-12-6
MI-WT-5H	MP-05H	MT-RV-2	TX-12-5	MZ-WA-1	JW-4-12B
MI-WT-8	MP-08	MT-WA-175	TW-4-6	MZ-WA-10	JW-4-40
MI-WT-8H	MP-08H	MT-WA-2K	TW-4-15K	MZ-WA-13	JW-4-28
MT-90-1G	TH-1-23GRC	MT-WA-3K	TW-4-18K	MZ-WA-2	JW-4-14
MT-90-2G	TH-1-21GRC	MT-WB-1	TW-9-11	MZ-WA-3	JW-4-13
MT-90-3G	TH-1-28GRC	MT-WP-1	TW-3-6	MZ-WA-5	JW-4-9

REFERENCE-TRI NUMBERS INTERCHANGE

REFERENCE#	TRI PART #	REFERENCE#	TRI PART #	REFERENCE#	TRI PART #
MZ-WA-6	JW-4-19	RE-RV-1	RX-12	TO-90-3G	YH-1-14FLG
MZ-WA-9	JW-4-41	RE-RV-2	RX-22-3	TO-90-4G	YH-1-44FLG
MZ-WA-901	JW-4-20	RE-RV-3	RX-22-4	TO-90-5G	YH-1-55FLG
MZ-WB-1	JW-3	RE-RV-4	RX-12-1	TO-90-6G	YH-1-66FLG
MZ-WF-1	JW-9-10	RE-SP-1	RC-6-1	TO-90-7G	YH-1-77FLG
N/A	PX-23-25X70MK	RE-WP1-OE	RW-4-1	TO-90-8G	YH-1-88FLG
N/A	PX-26-22	RE-WP2-OE	RW-9-1	TO-90-9G	YH-1-8GRC
N61	FX-10-17	RG-147	RG-147	TO-FN-1	YX-10-1
NI-90-1G	JH-1-21GRC	S20250WC	SX-23-4WC	TO-FN-2	YX-10-2
NI-90-2G	JH-1-22GRC	S20290WC	FX-23-91WC	TO-H-10G	YH-1-7G
NI-90-3G	JH-1-24GRC	S20300WC	PX-23-9WC	TO-H-14G	YH-1-6G
NI-90-4G	JH-1-14GRC	S20320WC	SX-23-13WC	TO-HT-1	YX-13-8
NI-90-7G	JH-1-47FLG	S20636WC	FX-23-92WC	TO-HT-102	YX-13
NI-B-1	JB-18-2	S20680WC	SX-23-61WC	TO-HT-102HS	YX-13HT
NI-HT-1	JX-13-14	S20750WC	FX-23-52WC	TO-HT-110	YX-13-1
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NI-HT-2	JX-13-10	S20960WC	NX-23-5WC	TO-HT-22HS	YX-13-13HT
NI-HT-2HS	JX-13-10HT	S6758036	SO-23-45	TO-HT-25	YX-13-5
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TO-O-9V	YO-25-11	ZF-CP-13	PX-26-21		
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