

This revision "E" to reflect new grease specifications. Please destroy your Rev. "D" letter.

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Rev. "E" 5-4-71

Note: An explanation of Revision "C" is given on Page 5. Please read carefully.

Subject: Release of Greased Input Drive Configuration

Equipment Affected: TC-300 Converters

Effective Serial Numbers: S/N 23242 - TC-300

As a product improvement, a new input drive configuration has been released to TC-300 converters. Series conformed to the drive ring configuration in first production units built.

The new configuration, which was designed to decrease gear noise and extend gear life, incorporates a greased gear type drive. The grease is retained in the area between the fly-wheel and the converter drive cover by a seal which fits on the drive cover.

The newly released parts are as follows:

<u>Part Number</u>	<u>Part Name</u>	<u>Quantity</u>
6775414	Drive Ring	1
6769818	Sealring	1
9412270	Bolt	8
6769877	Grease	As Req. *
6769988	Gasket	1
102635	Nut	8
6769849	Cover Assy., Conv. Drive	1
6769913	Kit	1

Installation of the new drive configuration in standard TC-300 converters which now have a gear type drive, will require the following changes:

<u>Add</u>	<u>Delete</u>	<u>Name</u>	<u>Quantity</u>
6775414	6769876	Drive Ring	1
6769818		Sealring	1
9412270	9409231	Bolt	8
6769877		Grease	As Req. *

TC-300 converters which have the front disconnect option, with the gear type drive, will require the parts listed above, plus the following:

<u>Add</u>	<u>Delete</u>	<u>Name</u>	<u>Quantity</u>
6769988		Gasket	1
102635	103026	Nut	8
	103321	Washer	8

*See Step 7, Page 3

Standard TC-300 converters with rollpin drive, will require the changes listed below:

<u>Add</u>	<u>Delete</u>	<u>Name</u>	<u>Quantity</u>
6775414		Drive Ring	1
6772408	6769071	Cover, Conv. Drive	1
6769818		Sealring	1
9412270	9409231	Bolt	8
6769877		Grease	As Req. *

TC-300 converters which have the front disconnect option with rollpin drive, will require the same parts changes as standard TC-300 converters with rollpin drive, plus the following:

<u>Add</u>	<u>Delete</u>	<u>Name</u>	<u>Quantity</u>
6769988		Gasket	1
102635	103026	Nut	8
	103321	Washer	8

TC-376 converters, Assy. No. 6759643, will require the following parts changes:

<u>Add</u>	<u>Delete</u>	<u>Name</u>	<u>Quantity</u>
	6769070	Ring Assembly	1
6775414		Ring	1
6769849	6769049	Cover Assy., Conv. Drive	1
6769818		Sealring	1
9412270	9409231	Bolt	8
6769877		Grease	As Req. *

The new drive ring P/N 6775414, seal P/N 6769818 and bolts P/N 9412270 are contained in a kit P/N 6775458. This kit will also include a container of grease P/N 6769877.

Rev. "E" Since the grease used in this drive is the key factor in decreasing gear wear and gear noise, it is most important that the proper grade and type grease is used. The recommended grease is American Oil Company LG-1014 (Allison P/N 6768249) or equivalent.

The new parts may be installed as follows:

1. If the converter drive cover on the transmission or converter is a rollpin type cover, or if it is a badly worn gear type cover, it must be replaced by a new gear type cover P/N 6772408. (TC-376 converters, Assy. No. 6759643, require cover assembly P/N 6769849).

2. Remove the ring gear from the engine flywheel.
3. Drill one 1/8" vent hole in the engine flywheel or in the disconnect clutch drive plate. This should be located inside a 4" radius from the center of the flywheel, or, in converters with the front disconnect option, inside a radius of 2 1/2" from the center of the drive plate. Avoid drilling into the area which mates with the crankshaft flange.

Note: In some Detroit Diesel engines, there may already be a hole in the flywheel. If this engine is mated to a standard TC-300 converter, the hole should be plugged unless it is within a four inch radius from the center of the flywheel.

4. Apply a thin, even coat of #3 Permatex to the face of the ring gear and the mating surface on the flywheel. (In front disconnect models of TC-300 converters, apply the Permatex to both sides of gasket P/N 6769988). Allow the Permatex to air dry for several minutes.
5. Bolt the ring gear P/N 6775414 to the fly wheel (Standard Models) or to the clutch drive plate (Front Disconnect Models), using eight bolts P/N 9412270. (Front Disconnect Models will also require eight P/N 102635 nuts and one P/N 6769988 gasket). Tighten the bolts to 36-43 lb. ft. torque.
6. Apply a thin film of grease to the seal P/N 6769818 and install the seal in the groove behind the gear teeth in the converter drive cover.
7. Distribute enough grease P/N 6769877* around the inside of the drive ring to fill the spaces between the gear teeth and the cavity between the flywheel and the drive ring as shown by the cross-hatch area in attached sketches. The amount of grease used should be held to a minimum - approximately 1 1/2 ounces. Use grease only in the cross-hatched area shown.
8. Mesh the gear on the drive cover with the drive ring gear, making sure the seal enters the I.D. of the drive ring.
9. Follow standard procedure in completing the installation.

Spare Parts Information:

All old parts in spare parts stock may be used for service on units which do not have the new drive configuration.

Explanation of Revision "C" (TC 300)

The method of installing input drive rings onto engine flywheels and disconnect clutch drive plates has been changed as shown below.

*Denotes recommended grease P/N 6768249 furnished in individual 14.5 oz. cartridge in gear kit P/N 6769913.

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Old Method

1. Internal toothed lockwashers used with the drive ring bolts.

2. Drive ring bolts tightened to 33-40 ft. lbs. torque

New Method

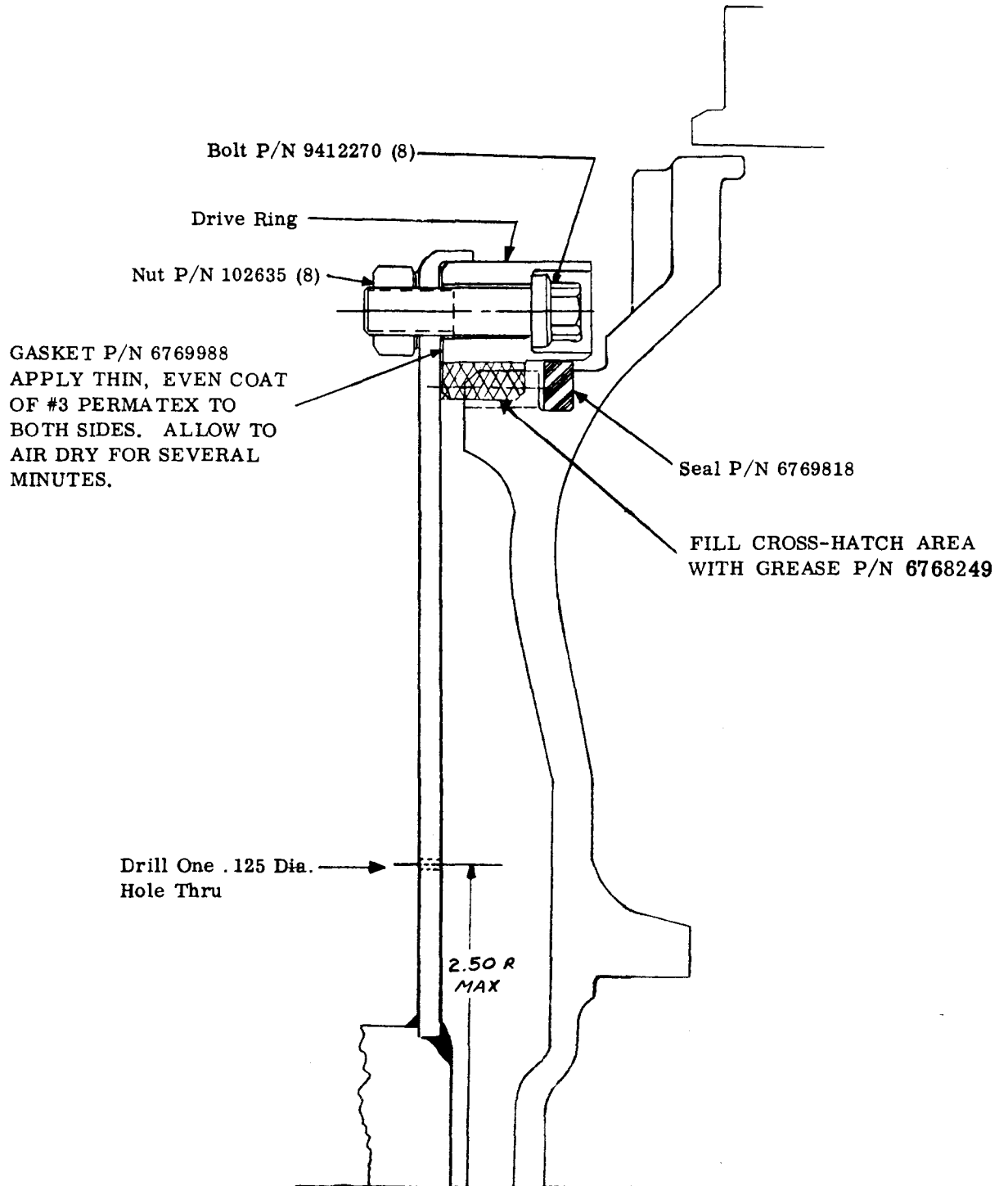
1. No washers required.

2. Required torque value increased to 36-43 ft. lbs.

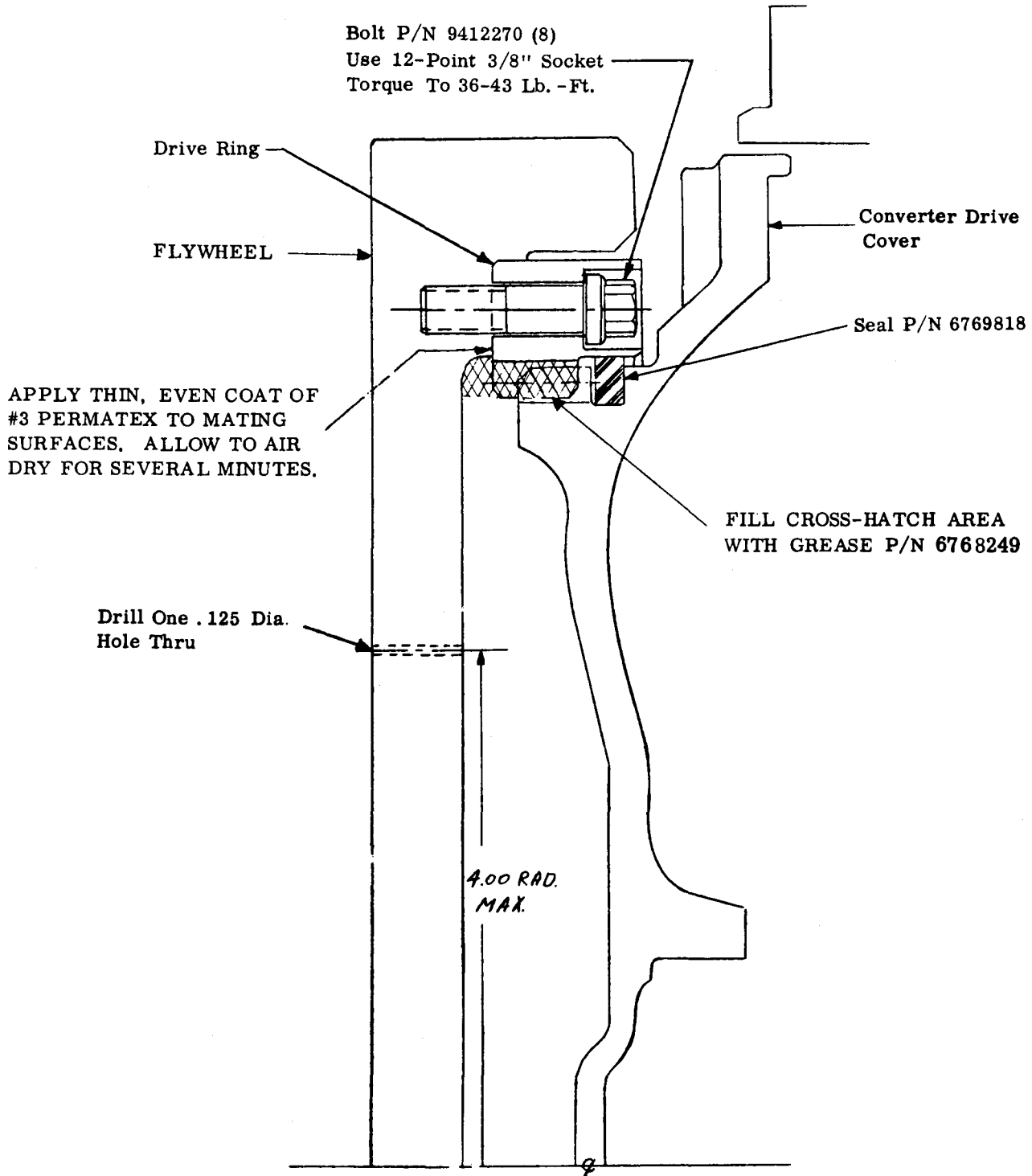
It is very important that the new procedure be followed. The lockwashers, P/N 6769878, have been removed from drive ring kits and will no longer be shipped with transmissions. Lockwashers attached to transmissions or converters awaiting installation should be removed and discarded.

The new torque requirement on the drive ring bolts should be carefully observed.

Service Manager
Transmission Products



CONVERTER WITH FRONT DISCONNECT CLUTCH



SPI 477
Page 1 of 2
February 21, 1961

SUBJECT: INSTRUCTIONS FOR FINISH MACHINING OF CONVERTER
HOUSING SLEEVE

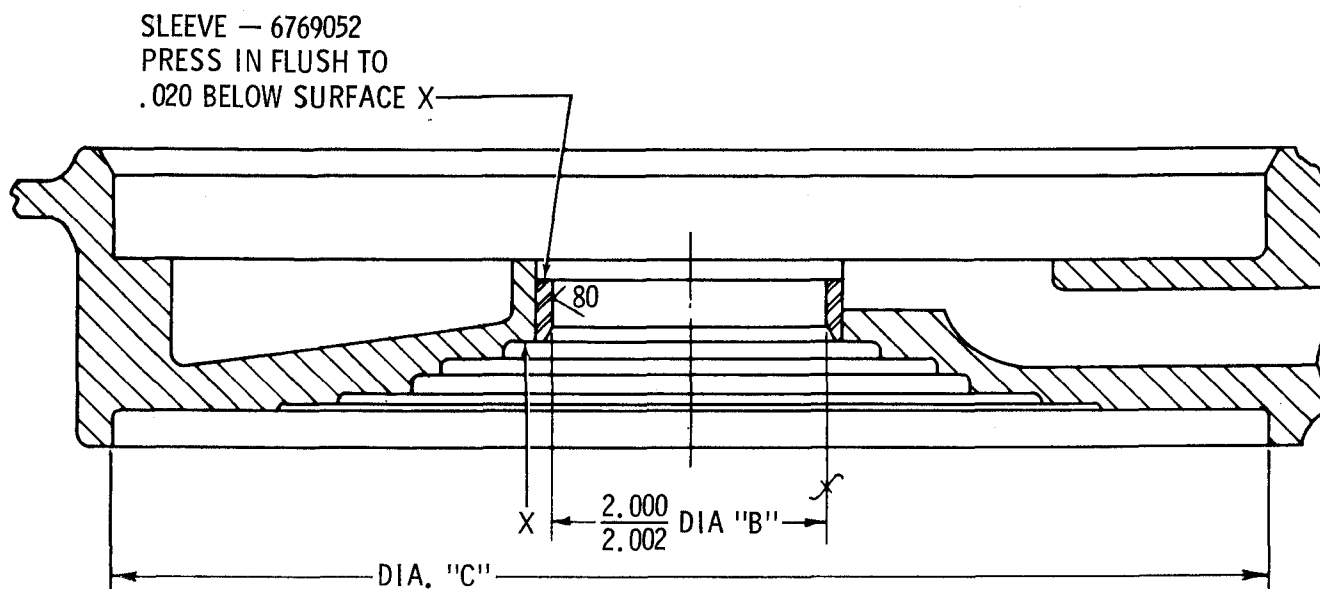
EQUIPMENT AFFECTED: TC-376 CONVERTERS, ASSEMBLY P/N
6759643 AND ASSEMBLY P/N 6769973

In the TC-376 converters listed above, a seal on the output shaft runs in a steel sleeve, P/N 6769052, which is pressed into the converter housing.

This sleeve is available as a service part, but must be finish machined after it is pressed into the housing. This is necessary to assure that the I.D. of the sleeve is concentric with the rear bearing retainer bore.

Instructions for the finish machining operations are given in the sketch on Page 2.

Service Manager
Transmission Operations



MUST BE FREE FROM BURRS
FINISH WHERE SHOWN

DIA "B" & "C" MUST BE CONCENTRIC
WITHIN .002 T. I. R.

PRESS SLEEVE INTO HOUSING
FINISH MACHINE I. D. OF SLEEVE
AS SHOWN

SPI 499
Page 1 of 1
December 13, 1961

Subject: Changes in Turbine Shaft and Rear Bearing

Equipment Affected: TC-200 and TC-300 Series Converters
(Rear Disconnect Models only)

Effective Serial Numbers: TC-200 - S/N 32093
TC-300 - S/N 32587

Rear disconnect models of TC-200 and TC-300 Series converters include a single-row ball bearing which supports the output end of the turbine shaft. In order to prevent this bearing from turning on the shaft, the diameter of the journal on the shaft has been increased, thus providing a tighter fit between the bearing and the shaft.

A new bearing has been released for use with the heavier shaft. The new bearing is so designed that the tight fit of the bearing on the shaft will not affect the internal clearances in the bearing.

The part number changes are as follows:

<u>New Part Number</u>	<u>Old Part Number</u>	<u>Part Name</u>
907050	903307	Bearing, Rear
6772734	6759948	Shaft, Turbine (TC-300)
6772735	6758592	Shaft, Turbine (TC-200)

Effect on Interchangeability:

The new shafts P/N 6772734 and P/N 6772735 may be used for service on units, regardless of serial number, but require the use of the new bearing P/N 907050.

The new bearing may be used on both old and new shafts.

The old bearing, P/N 903307, must not be used with the new shafts.

Spare Parts Information:

All old shafts, P/N 6759948 and P/N 6758592, and the old bearings, P/N 903307, may be used for service in converters with serial numbers below S/N 32093 (TC-200) and S/N 32587 (TC-300).

Service Manager - Transmissions

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 Rev. "A" 1-16-63

Subject: Change In Stator Design

Equipment Affected: TC-200 Series Converters

Effective Serial Number: S/N 31823

For ease of manufacturing, the converter stator used in TC-200 series converters has been changed from a weldment to a die casting.

The change in the stator design made it necessary to redesign the various parts that mate with the stator.

The part number changes are as follows:

<u>New Part No.</u>	<u>Old Part No.</u>	<u>Part Name</u>
3777395	3702688	Stator
3735785		Washer, Thrust (2)
	3702103	Washer, Thrust (2)
	6756233	Washer, Thrust (1)
	3709094	Washer, Thrust (1)
		(In the old design, four thrust washers were used. The new design requires only two. See Explanation of Parts Changes on Page 2.)
3702744	6756629	Washer, Thrust, Converter Pump
6773200	6755266	Pump Assy., Charging Oil
6773199	6754964	Support, Stator (Groundsleeve)
	6769234	Stator Assy.
6774685		Kit, Stator Replacement (This kit can be used in all TC-200 series converters, regardless of serial number, therefore a service stator assembly is no longer required.)

Stator Replacement Kit

The Stator replacement kit, P/N 6774685, contains all the parts necessary for the replacement of the stator in all TC-200 converters, regardless of serial number. An instruction sheet (giving the recommended assembly procedure) is included in the kit. (A copy of the instruction sheet is attached to this letter.)

The kit contains the following parts:

<u>Part Number</u>	<u>Part Name</u>	<u>Quantity</u>
3777395	Stator	1
3719260	Cam, Stator	1
3702104	Snapring, Thrust Washer Retaining	2
3735785	Washer, Stator Thrust	2
3702744	Washer, Converter Pump Thrust	1
6774686	Instruction Sheet No. 38	1

Explanation Of Parts Changes:

In the old configuration, a steel thrust washer, P/N 3702103, was installed on each side of the stator cam, and the cam and washers were retained in the stator by two snaprings. On the turbine side of the stator, an aluminum thrust washer, P/N 3709094, fitted into the stator, bearing against the steel thrust washer. A cast iron thrust washer, P/N 6756233, was similarly used on the converter pump side of the stator, however, this washer splined onto the stator support.

In the new configuration, only one thrust washer is used on each side of the stator cam. On the turbine side, washer P/N 3735785 replaces both the steel washer, P/N 3702103, and the aluminum washer, P/N 3709094. On the converter pump side of the stator, a second washer P/N 3735785 replaces both the steel washer P/N 3702103 and the cast iron thrust washer P/N 6756233. Thus, one part number, 3735785, replaces three part numbers - 3702103, 3709094 and 6756233.

The old converter pump thrust washer, P/N 6756629, had a bronze facing that mated with the cast iron thrust washer. Since the cast iron washer has been replaced by an aluminum washer, the bronze facing is no longer desirable. The bronze-faced washer was replaced by a plain steel converter pump thrust washer, P/N 3702744. NOTE: Under no circumstances should the bronze-faced thrust washer be interchanged with the plain steel thrust washer. An early failure will result.

The change in the stator support was brought about by the elimination of the splined thrust washer, P/N 6756233. Since the new thrust washer is not splined to the stator support, a much shorter spline on the support is required.

Affect On Parts Interchangeability:

The new stator, P/N 3777395, can be used in all TC-200 series converters, but requires the use of the new washers, P/N 3735785, and the new converter pump thrust washer, P/N 3702744.

The old stator, P/N 3702688, can not be used with any of the new parts.

The new thrust washers, P/N 3702744 and P/N 3735785 are for use with the new stator only.

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The new converter pump thrust washer, P/N 3702744, can be used with the new stator only. The old converter pump thrust washer, P/N 6756629, can be used with the old stator only.

The new stator support, P/N 6773199, and/or the new charging pump assembly, P/N 6773200, can be used with the new stator only.

The old stator support, P/N 6754964, can be used with both the new stator and the old stator.

Spare Parts Information:

All old parts in spare parts stock should be used in converters with serial numbers below S/N 31823.

The parts listed below will be maintained for service:

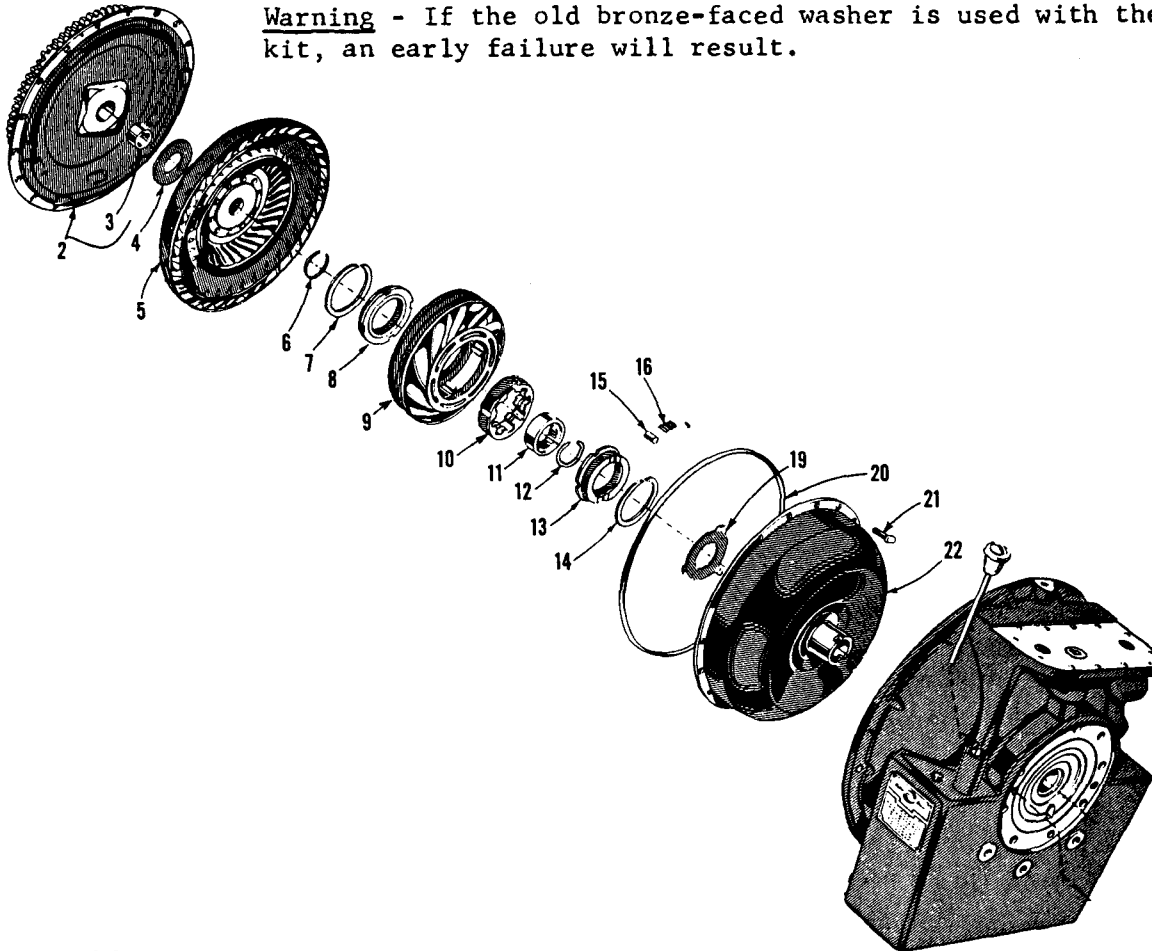
<u>Part No.</u>	<u>Part Name</u>
6756629	Washer, Thrust
6756233	Washer, Thrust
3709094	Washer, Thrust
6755266	Pump Assy.
6754964	Support, Stator
3702103	Washer, Thrust

Service Manager
Transmissions Operations

Instruction Sheet No. 38
(For Kit P/N 6774685)

PLEASE NOTE: If the serial number of the converter you are repairing is below S/N 31823, be sure to remove and discard the old converter pump thrust washer. It is a steel washer which has three tabs and a bronze facing. The new thrust washer, P/N 3702744, has the three tabs but does not have the bronze facing.

Warning - If the old bronze-faced washer is used with the parts in this kit, an early failure will result.



Assembly Procedure

1. Assemble the converter to the point where the converter pump (22) has been installed.
2. Install the new thrust washer (19) and the snapring (12).
3. Note the word "Front" cast on one side of the stator (9). Turn the stator over and install the thrust washer (13) and the snapring (14).
4. Install the cam (10) into the stator, from the front side. Be sure the deep end of the cam pockets are in a counterclockwise direction.
5. Install the rollers (15) and springs (16) into the cam pockets, positioning the springs so that the open ends will be next to the race (11).
6. Insert the race into the stator, then install the stator and race onto the stator support (groundsleeve). Work carefully to prevent the rollers and springs from dropping out of the stator.
7. Install the snapring (6) into the groove in the stator support.
8. Install the thrust washer (3) and the snapring (9) into the stator.

SEE INSIDE FRONT COVER BEFORE USING THIS INDEX

NUMERICAL PARTS INDEX

The numerical parts index lists the parts reference number and the figure number of the illustration in which it appears. The reference numbers are keyed to the group listings. However, you must know the converter assembly part number to identify the right group.

PART NO	FIG NO	REF NO	HISTORY	PART NO	FIG NO	REF NO	HISTORY
102635	6-1	9		179812	1	50	
103026	1-2	10		179812	1-1	55	
103026	6-1	9		179812	1-2	40	
103320	1	54		179812	3	56	
103320	1-1	59		179812	3-1	56	
103320	1-2	44		179812	3-2	50	
103320	3	40		179812	3-3	56	
103320	3-1	42		179817	1	53	
103320	3-2	36		179817	1-1	58	
103320	3-3	42		179817	1-2	43	
103320	7-1	8		179817	3	41	
103321			R 103323	179817	3-1	43	
103321	2	36		179817	3-2	37	
103321	4	5		179817	3-3	43	
103321	5-1	30		179819	7-1	7	
103321	5-1	35		179837	2	35	
103321	6-1	13		179837	4	6	
103323			RB 103321	179840	6-1	14	
103323	2	10		179841	5-1	29	
103323	4	43		179842			R 177845
105456	1	37		179842	5-1	36	
105456	1-1	42		179845			R 179887
105456	1-2	27		179887			RB 179845
105456	3	45		181345	5-1	24	
105456	3-1	47		181374			RB 9409038
105456	3-2	41		181429	2	11	
105456	3-3	47		181429	4	44	
111296			RB 127800	186271	7-1	1	
113782	5-1	32		191758			R 127800
113903	6-1	6		191758	5-1	25	
113989			R 6754527	191758	6-1	7	
113989	3	37		214279	5-1	23	
113989	3-1	39		436569			RB 6756618
113989	3-2	33		442812			RB 451006
113989	3-3	39		444576			R 444618
113998	1	55		444576			RB 444618
113998	1-1	60		444576	7-1	19	
113998	1-2	45		444618			R 444576
113998	3	39		444618			RB 444576
113998	3-1	41		444618	1	46	
113998	3-2	35		444618	1-1	49	
113998	3-3	41		444618	1-2	36	
114351	5-1	11		444618	3	54	
114498	5-1	26		444618	3-1	54	
114604	5-1	10		444618	3-2	48	
117213	1-2	1		444618	3-3	54	
127800			R 111296	444672	1	41	
127800			RB 191758	444672	1-1	48	
142862			RB 145372	444672	1-2	31	
145372			R 142862	444672	3	47	
145372	1	44		444672	3-1	49	
145372	1-1	51		444672	3-2	43	
145372	1-2	34		444672	3-3	49	
145372	3	53		444678	1	49	
145372	3-1	53		444678	1-1	45	
145372	3-2	47		444678	1-2	39	
145372	3-3	53		444678	3	57	
147465	7-1	16		444678	3-1	57	
177845			RB 179842	444678	3-2	51	
179793	3	21		444678	3-3	57	

R - REPLACES

RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY	PART NO	FIG NO	REF NO	HISTORY
451006			R 442812	3689760	1	30	
451006	1	1		3689760	1-1	35	
451006	1-1	7		3689760	1-2	20	
451006	3	4		3689826	1	31	
451006	3-1	10		3689826	1-1	36	
451006	3-2	4		3689826	1-2	21	
451006	3-2	59		3689838			RB 6770432
451006	3-3	10		3689838	4	15	
453621	1	47		3691806	1	17	
453621	1-1	47		3691806	1-1	22	
453621	1-2	37		3702068			RB 760612
453621	3	59		3702069	1	27	
453621	3-1	59		3702069	1-1	32	
453621	3-2	53		3702069	1-2	17	
453621	3-3	59		3702079			RB 3790478
456635	2	12		3702082			RB 3713622
456635	4	16		3702099			RB 3719260
753859			RB 6778856	3702100			RB 3702103
753860			RB 6778857	3702101	1	15	
760612			R 3702068	3702101	1-1	20	
760612			RB 3737894	3702103			R 3702100
900454			R 954551	3702103	1	62	
900454			RB 907540	3702103	1-1	67	
903010	3-1	5		3702104	1	7	
903010	3-2	6		3702104	1	14	
903010	3-3	5		3702104	1	60	
903011	3	9		3702104	1-1	12	
903202			R 954498	3702104	1-1	19	
903202			RB 907411	3702104	1-1	65	
903208	1-1	5		3702688			RB 3796309
903208	3	9		3702718			RB 3719262
903209			RB 6757374	3702724	1	5	
903307			RB 907050	3702744			R 6756629
903307	2	4		3702744	1	19	
907050			R 903307	3702744	1-1	25	
907050	2	4		3709094	1	56	
907050	4	2		3709094	1-1	61	
907411			R 903202	3713622			R 3702082
907411	2	24		3713622	1	20	
907411	4	30		3713622	1-1	24	
907540			R 900454	3717166	1	21	
907540	6-1	3		3717166	1-1	26	
907851			R 9417910	3719252	1	29	
907851	3	22		3719252	1-1	34	
907851	3-1	24		3719252	1-2	19	
954466	3	22		3719260			R 3702099
954498			RB 903202	3719260	1	10	
954528	4	2		3719260	1	63	
954551			RB 900454	3719260	1-1	15	
2222424	2	22		3719260	1-1	68	
2222424	2	31		3719261			RB 3874301
2222424	2	34		3719262			R 3702718
2222424	4	28		3719262	1	4	
2222424	4	37		3735785	1	8	
3224085	2	25		3735785	1	13	
3224085	4	31		3735785	1-1	13	
3224773	2	27		3735785	1-1	18	
3224773	4	33		3737894			R 760612
3689751	1	18		3737894			RB 3772748
3689751	1-1	23		3744348	1	26	

R - REPLACES

RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY	PART NO	FIG NO	REF NO	HISTORY
3744348	1-1	31		6750046		3	
3744348	1-2	16		6750046	1	6	
3744349	1	28		6750046	1	12	
3744349	1-1	33		6750046	1-1	11	
3744349	1-2	18		6750046	1-1	17	
3772748			R 3737894	6750046	2	3	
3772748	1	25		6750046	4	1	
3772748	1-1	30		6750127	1-1	4	
3772748	1-2	15		6750272			RB 6768267
3777395	1	9		6751524	2	26	
3777395	1-1	14		6751524	4	32	
3790478			R 3702079	6751531	2	14	
3790478	1	3		6751531	4	18	
3796309			R 3702688	6751541			RB 9422228
3796309	1	61		6751822			R 7709143
3796309	1-1	66		6751822			RB 6838403
3874301			R 3719261	6751839	4	12	
3874301	1	16		6751839	4	15	
3874301	1-1	21		6752033	7-1	9	
5192142	5-1	15		6752034	7-1	11	
5192153	5-1	2		6752035	7-1	10	
5192176	5-1	18		6753487	6-1	2	
5192180	5-1	1		6753849			RB 6758213
5192180	6-1	11		6753857			RB 6773249
5192182	5-1	7		6753866	3	26	
5192489	5-1	28		6753866	3-1	28	
5193064	5-1	27		6753866	3-2	22	
5193253			RB 5194671	6753866	3-3	28	
5193255	5-1	31		6753966	2	5	
5193258	5-1	5		6753966	4	4	
5193259	5-1	20		6754299	7-1	3	
5193260			RB 5196719	6754314	7-1	5	
5193420	5-1	19		6754349	2	40	
5193421	5-1	17		6754349	4	8	
5193422	5-1	13		6754488	3	24	
5193430	5-1	12		6754488	3-1	26	
5193431	5-1	6		6754488	3-2	21	
5194138	5-1	14		6754488	3-3	27	
5194140	5-1	16		6754489			RB 6757729
5194244	5-1	33		6754490	1	51	
5194291	5-1	9		6754490	1-1	56	
5194294	5-1	8		6754490	1-2	41	
5194365	5-1	4		6754490	3	43	
5194671			R 5193253	6754490	3-1	45	
5194671	5-1	3		6754490	3-2	39	
5196719			R 5193260	6754490	3-3	45	
5196719	5-1	21		6754495	1	52	
6700296	4	47		6754495	1-1	57	
6701230			RB 6704155	6754495	1-2	42	
6701230			RB 6774155	6754495	3	42	
6702958	3	35		6754495	3-1	44	
6702958	3-1	37		6754495	3-2	38	
6702958	3-2	31		6754495	3-3	44	
6702958	3-3	37		6754501			RB 6759946
6702989	3-1	4		6754505			RB 6757783
6702989	3-3	4		6754506	2	17	
6703023	4	1		6754506	4	22	
6703224			RB 6758296	6754508		16	
6704155			R 6701230	6754508	2	16	
6704155	3	44		6754508	4	21	

R - REPLACES

RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY	PART NO	FIG NO	REF NO	HISTORY
6754519			RB 6757605	6755892	3	16	
6754527			RB 113989	6755892	3-1	19	
6754528			RB 6757599	6755896	3	19	
6754549			RB 6758599	6755897	3	17	
6754549			RB 6768955	6755897	3-1	20	
6754550			RB 6757621	6755897	3-2	13	
6754922	3	6		6755897	3-3	19	
6754947	4	10		6755903			R 6770239
6754958	1	11		6755903	4	13	
6754958	1-1	16		6755988	3	28	
6754962			R 6754962	6755988	3-1	30	
6754962			RB 6754962	6755988	3-2	24	
6754962	2	1		6755988	3-3	30	
6754963	2	9		6755999			RB 6756847
6754968	1	33		6756001	3	27	
6754968	1-1	38		6756001	3-1	29	
6754968	1-2	23		6756119	7-1	17	
6754994	3	14		6756233	1	57	
6754994	3-1	17		6756233	1-1	62	
6754999			RB 6771296	6756321	2	32	
6755004	3	7		6756348			RB 6774572
6755031	4	17		6756362	7-1	12	
6755032	2	13		6756519	1	22	
6755221	1	2		6756519	1-1	27	
6755271			RB 6769234	6756615	6-1	8	
6755302	2	6		6756616			RB 6772307
6755302	4	41		6756618			R 436569
6755325			RB 6757712	6756618	6-1	5	
6755325	3	5		6756620	6-1	4	
6755333	4	42		6756627	6-1	4	
6755372			RB 6759947	6756629			RB 3702744
6755377	2	21		6756629	1	58	
6755377	4	27		6756629	1-1	63	
6755380	4	35		6756637			RB 6778121
6755383	2	19		6756644	1	24	
6755463			RB 6758284	6756644	1-1	29	
6755464			RB 6768902	6756644	1-2	14	
6755467			RB 6757713	6756658	7-1	6	
6755469	2	39		6756659	3	62	
6755488	7-1	2		6756659	3-2	54	
6755618	2	23		6756659	7-1	6	
6755618	4	29		6756689	2	29	
6755619	2	20		6756689	4	38	
6755619	4	34		6756691	4	39	
6755786	1	35		6756693	1	45	
6755786	1-1	40		6756693	1-1	50	
6755786	1-2	25		6756693	1-2	35	
6755786	3	38		6756693	3	51	
6755786	3-1	40		6756693	3-1	51	
6755786	3-2	34		6756693	3-2	45	
6755786	3-3	40		6756693	3-3	51	
6755789	1	40		6756695	3-3	60	
6755789	1-1	54		6756706	2	30	
6755789	1-2	30		6756706	4	36	
6755789	3	55		6756847			R 6755999
6755789	3-1	55		6756847	3	27	
6755789	3-2	49		6756847	3-1	29	
6755789	3-3	55		6756856	2	18	
6755803			RB 6757634	6756864	7-1	15	
6755838			RB 6769091	6756865	4	25	

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RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY		PART NO	FIG NO	REF NO	HISTORY	
6756869	4	17			6759462	2	1		
6756872	1	34			6759906	1-1	3		
6756872	1-1	39			6759906	3-1	3		
6756872	1-2	24			6759906	3-3	3		
6756913	2	40			6759926	1-1	1		
6756913	4	8			6759926	3-1	1		
6756946	4	26			6759926	3-3	1		
6756947	4	24			6759927	1-1	6		
6756947	7-1	14			6759928	1-1	8		
6757086			RB	6768706	6759930			RB	6772312
6757374			R	903209	6759932	1-1	10		
6757374			RB	9411628	6759946			R	6754501
6757426	2	37			6759946	4	14		
6757426	4	7			6759947			R	6755372
6757521	2	33			6759947	4	14		
6757599			R	6754528	6759948			R	6757783
6757599			RB	6769530	6759948			RB	6772734
6757605			R	6754519	6759971	3-2	20		
6757605			RB	6768714	6759971	3-3	26		
6757621			R	6754550	6759974			R	6774616
6757621			RB	6768707	6763013			R	7374627
6757634			R	6755803	6763013	4	3		
6757634	3	20			6763013	4	19		
6757634	3-1	22			6764025	4	46		
6757709	1	48			6768267			R	6750272
6757709	1-1	46			6768267			RB	6832907
6757709	1-2	38			6768346	4	40		
6757712			R	6755325	6768350	3	34		
6757712			RB	6772408	6768350	3-1	36		
6757713			R	6755467	6768350	3-2	30		
6757713			RB	6769453	6768350	3-3	36		
6757729			R	6754489	6768351	3	33		
6757729			RB	6768942	6768351	3-1	35		
6757737	2	41			6768351	3-2	29		
6757737	4	50			6768351	3-3	35		
6757757	2	42			6768425	2	23		
6757758	4	45			6768425	4	29		
6757783			R	6754505	6768426	2	20		
6757783			RB	6759948	6768426	4	34		
6758054	4	26			6768644			R	6758213
6758124	2	19			6768644			RB	6769816
6758213			R	6753849	6768704	3	32		
6758213			RB	6768644	6768704	3-1	34		
6758284			R	6755463	6768704	3-2	28		
6758284			RB	6768903	6768704	3-3	34		
6758295	2	28			6768706			R	6757086
6758296			R	6703224	6768706	3	30		
6758296	3	25			6768706	3-1	32		
6758296	3-1	27			6768706	3-2	26		
6758592			RB	6772735	6768706	3-3	32		
6758597	3	58			6768707			R	6757621
6758597	3-1	58			6768707	3	29		
6758597	3-2	52			6768707	3-1	31		
6758597	3-3	58			6768714			R	6757605
6758599			R	6754549	6768714	3	23		
6758599			RB	6768956	6768714	3-1	25		
6758777	3	17			6768727	3	11		
6758987			RB	6772328	6768902			R	6755464
6758987	6-1	8			6768902	3	15		
6758988	6-1	8			6768902	3-1	18		

R - REPLACES

RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY	PART NO	FIG NO	REF NO	HISTORY
6768903			R 6758284	6769622	3-2	49	
6768903	3	11		6769622	3-3	55	
6768903	3-1	14		6769623			R 6769044
6768942			R 6757729	6769623	3	46	
6768942	1	42		6769631	3-2	16	
6768942	1-1	53		6769631	3-3	23	
6768942	1-2	32		6769816			R 6768644
6768942	3	49		6769816	3	31	
6768942	3-1	50		6769816	3-1	33	
6768942	3-2	44		6769816	3-2	27	
6768942	3-3	50		6769816	3-3	33	
6768955			R 6754549	6769818	3	3	
6768955	1	39		6769818	3-1	9	
6768955	1-1	44		6769818	3-2	3	
6768955	1-2	29		6769818	3-3	9	
6768956			R 6758599	6769849			R 6769049
6768956	3	46		6769849	3	60	
6768956	3-1	48		6769856			R 6769091
6768956	3-2	42		6769856	3	18	
6768956	3-3	48		6769856	3-1	21	
6769044			RB 6769623	6769876			RB 6775414
6769045	3	18		6769908	2	19	
6769048	3	16		6769988	6-1	12	
6769049			RB 6769849	6770239			R 8347316
6769050	4	49		6770239			RB 6755903
6769051	4	48		6770432			R 3689838
6769052	3	50		6770432			RB 6839163
6769053	3	63		6770538			R 6774627
6769054	3	49		6770538			RB 6779599
6769055	3	36		6771296			R 6754999
6769057	4	41		6771296	3	13	
6769060	3	10		6771296	3-1	16	
6769061	3	29		6772301	3-1	11	
6769062	3	23		6772301	3-3	11	
6769073	3	48		6772307			R 6756616
6769089			RB 6769622	6772307	6-1	8	
6769090			RB 6769621	6772309	3-1	6	
6769090	3	38		6772309	3-3	6	
6769091			R 6755838	6772310	3-1	13	
6769091			RB 6769856	6772312			R 6759930
6769105	3	11		6772312	1-1	2	
6769234			R 6755271	6772312	3-1	2	
6769234	1	59		6772312	3-3	2	
6769234	1-1	64		6772328			R 6758987
6769453			R 6757713	6772328	6-1	8	
6769453	3	10		6772408			R 6757712
6769491	3-2	17		6772408			RB 6830464
6769491	3-3	21		6772408	3	8	
6769530			R 6757599	6772734			R 6759948
6769530			RB 6774626	6772734	4	11	
6769530	3	36		6772735			R 6758592
6769530	3-1	38		6772735	2	39	
6769621			R 6769090	6772786	2	19	
6769621	3	38		6773199	1	32	
6769621	3-1	40		6773199	1-1	37	
6769621	3-2	34		6773200	1	23	
6769621	3-3	40		6773200	1-1	28	
6769622			R 6769089	6773249			R 6753857
6769622	3	55		6773249		8	
6769622	3-1	55		6773249	2	8	

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RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY	PART NO	FIG NO	REF NO	HISTORY
6773249	4	10		6777108			RB 6777884
6773679	3-2	15		6777108	1-2	6	
6773679	3-3	22		6777109	1-2	8	
6773933	4	41		6777110			R 6777459
6774008	3-2	60		6777110			RB 6777885
6774012	1-2	2		6777110	1-2	7	
6774012	3-2	56		6777120	4	8	
6774104	1	32		6777448	1-2	3	
6774104	1-1	37		6777448	3-2	57	
6774104	1-2	22		6777449	1-2	4	
6774105	1	65		6777449	3-2	58	
6774105	1-1	70		6777459			RB 6777110
6774105	1-2	12		6777460			RB 6777108
6774109			RB 6778111	6777884			R 6777108
6774155			R 6701230	6777884	1-2	6	
6774155	1	38		6777885			R 6777110
6774155	1-1	43		6777885	1-2	7	
6774155	1-2	28		6778111			R 6774109
6774155	3-1	46		6778111	1-2	11	
6774155	3-2	40		6778121			R 6756637
6774155	3-3	46		6778121	5-1	34	
6774266	3	46		6778856			R 753859
6774266	3-2	42		6778856			RB 6833225
6774266	3-3	48		6778857			R 753860
6774572			R 6756348	6778857			RB 6833226
6774572	3	61		6779597			R 6779974
6774616			RB 6759974	6779597	3-2	23	
6774620	3-2	14		6779597	3-3	29	
6774620	3-3	20		6779599			R 6770538
6774621	3-2	19		6779599	3-2	23	
6774621	3-3	25		6779599	3-3	29	
6774622			RB 6776818	6779974			RB 6779597
6774626			R 6769530	6830464			R 6772408
6774626	3-2	32		6830464	3-2	5	
6774626	3-3	38		6831578	4	8	
6774627			RB 6770538	6832907			R 6768267
6774794	3-2	25		6832907			RB 6838494
6774794	3-3	31		6832907	3-1	52	
6774816			RB 6776819	6832907	3-2	46	
6774847	3-2	12		6832944	1	64	
6774847	3-3	18		6832944	1-1	69	
6774962			RB 6836585	6833225			R 6778856
6774966	3-2	11		6833225	2	15	
6774966	3-3	17		6833225	4	20	
6774968	3-2	10		6833226			R 6778857
6774968	3-3	16		6833226	2	15	
6775414			R 6769876	6833226	4	20	
6775414	3	1		6836585			R 6774962
6775414	3-1	7		6836585	3-2	8	
6775414	3-2	1		6836585	3-3	14	
6775414	3-3	7		6838403			R 6751822
6776818			R 6774622	6838403	6-1	1	
6776818	3-2	7		6838494			R 6832907
6776819			R 6774816	6838494	1	43	
6776819	3-3	13		6838494	1-1	52	
6777106	1	23		6838494	1-2	33	
6777106	1-1	28		6838494	3	52	
6777106	1-2	13		6838494	3-3	52	
6777107	1-2	9		6839163			R 6770432
6777108			R 6777460	6839163	2	2	

R - REPLACES

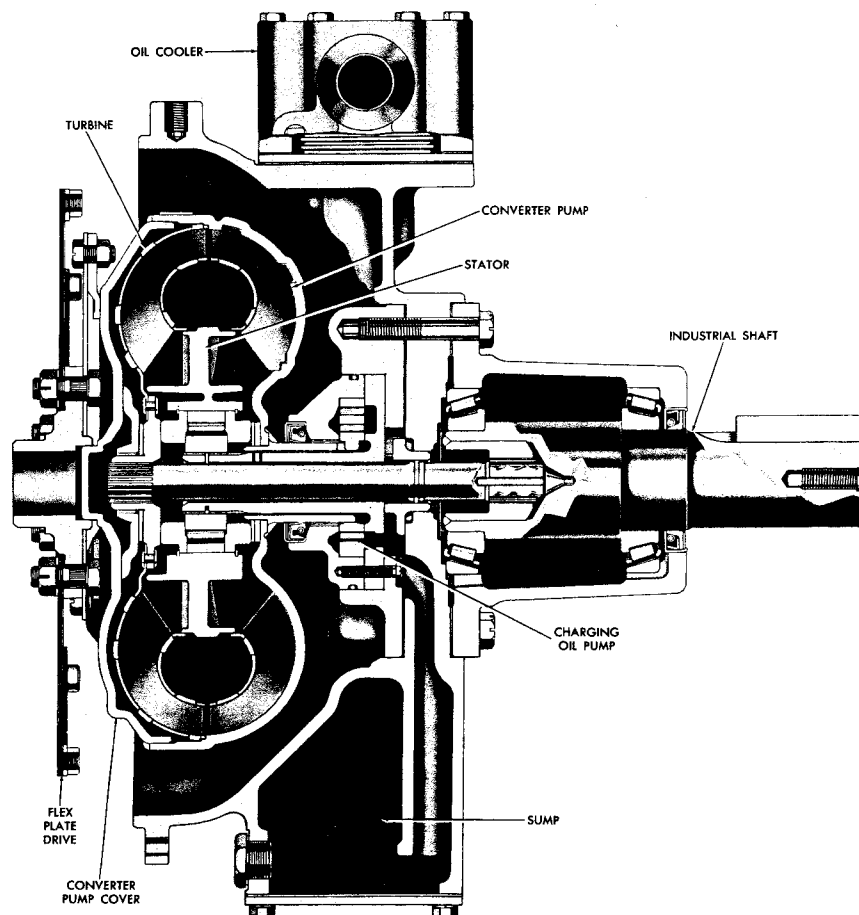
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PART NO	FIG NO	REF NO	HISTORY	PART NO	FIG NO	REF NO	HISTORY
7374627			RB 6763013				
7450737			R 8347400				
7450737	3	12					
7450737	3-1	15					
7709143			RB 6751822				
8347316			RB 6770239				
8347400			RB 7450737				
8522609	7-1	4					
8618363	1-1	9					
8618363	3-1	12					
8618363	3-3	12					
9409033	1-2	5					
9409038			R 181374				
9409038	6-1	10					
9409052			R 9409258				
9409052	3-2	55					
9409055			RB 9409203				
9409055	2	7					
9409060	7-1	18					
9409062	1	36					
9409062	1-1	41					
9409062	1-2	26					
9409073			RB 9409088				
9409088			R 9409073				
9409088	3	21					
9409088	3-1	23					
9409203			R 9409055				
9409203			RB 9409240				
9409203	2	7					
9409203	2	38					
9409203	4	9					
9409203	4	23					
9409227	4	23					
9409227	7-1	13					
9409240			R 9409203				
9409240	2	7					
9409240	4	9					
9409258			RB 9409052				
9409258	3-2	55					
9411628			R 6757374				
9411628			RB 9417910				
9412270	3	2					
9412270	3-1	8					
9412270	3-2	2					
9412270	3-3	8					
9417499	3-2	9					
9417499	3-3	15					
9417910			R 9411628				
9417910			RB 907851				
9420046	3-2	18					
9420046	3-3	24					
9422228			R 6751541				
9422228	2	12					
9422228	4	16					

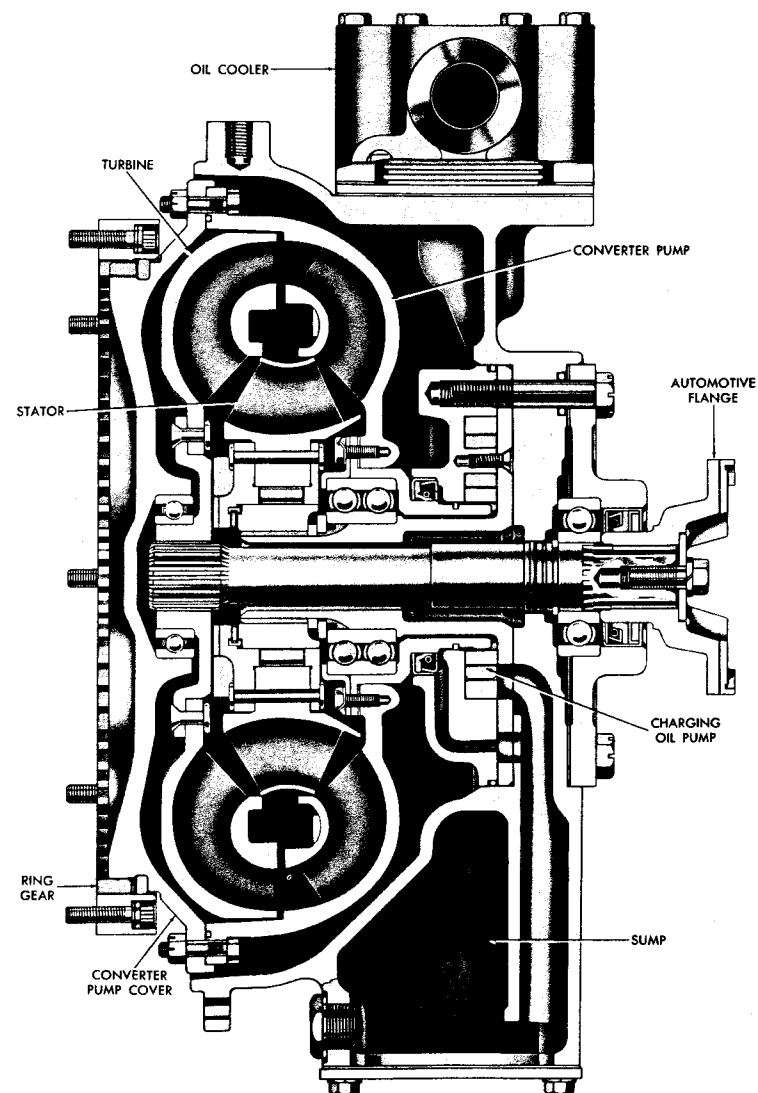
R - REPLACES

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**TC 250, TC 300
CROSS SECTION**



Model TC 250 converter—cross-section view



Model TC 300 converter (3-element)—cross-section view