

**200-300
series**

Allison

**Parts
Catalog**

200-300 series

MODELS

**TC 200, 300
TCA 200, 300
TCRD 200, 300
TCO 200, 300
TCOA 200, 300
TCORD 300**

Allison

Torqmatic Converters

Parts Catalog

**Prepared By
ALLISON PUBLICATIONS SERVICES**

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MODELS COVERED

The Allison Torqmatic converter 200-300 series models covered in this catalog are listed on pages 1-1.1 and 3-1.1 by A/N (Assembly Number) in numerical sequence.

YOU MUST KNOW CONVERTER PART NUMBER

To use this catalog you must know the Allison assembly number (A/N) found on the converter name plate. The name plate is attached to the rear left side toward the output end of the housing.

SERVICE KITS

Are listed on page 12, 13 and 14

NUMERICAL INDEX

A numerical index is included in the rear of this catalog. This index is cross-referenced to indicate the history of 200-300 converter parts. Parts both current and superseded appear in numerical order in the Part No. column. Current part numbers refer to the figure and reference numbers of the parts. Parts replacing older parts are followed by the older part number in the history column. Parts that have been replaced are followed by the part number of the replacing part. Footnote symbols show when a part is replaced by (RB), or when a part replaces (R) in older part.

CROSS SECTION

A cross sectional view of the converters are shown on a foldout at the back of this catalog.

HOW TO ORDER PARTS

If an assembly or subassembly is ordered, all subassemblies and detail parts indented beneath it will be included.

If a detail part is ordered, only the detail part will be sent unless its part number is starred (*). A starred (*) part number means that such a part is not serviced alone. This is necessary because certain parts require factory installation or adjustment. If an order is received for a starred (*) part, the assembly or subassembly under which it is indented will be sent.

NOTE

All parts orders must be directed to your dealer — do not send them to Allison. Always include the model, the transmission assembly, and serial numbers when ordering parts. Be sure to include part name and part number.

See instructions for using catalog on opposite page.

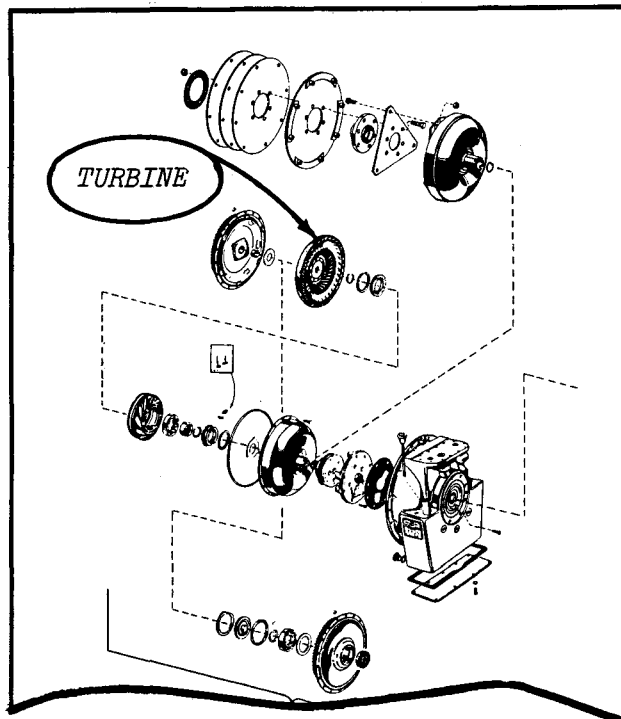
HOW TO USE THIS CATALOG

Example: To find the part number of a torque converter turbine, follow the procedure outlined below:



NAME PLATE

Obtain the converter assembly number (Part Number) and serial number shown on the name plate as illustrated. It reads 6755390.



Turn to the pictorial index of exploded parts on page 4. The turbine assy is shown in the Basic Converter Section which is referenced to page 3-1.1.

Beginning on page 3-1.1, listed in numerical sequence, are the 300 Series Converter assembly numbers (A/N) of the various models. Under the A/N column you will find the A/N 6755390. Opposite this number (6755390) under the group listing column to the right, you will find the group letter A.

ALLISON TORQOMATIC CONVERTER SERIES 200-300 PARTS CATALOG 3-1.1

TC-300 SERIES BASIC TORQOMATIC CONVERTER SECTION

TO FIND DETAIL PARTS FOR YOUR ALLISON TORQOMATIC CONVERTER, TURN TO THE GROUP AND PAGE LISTED OPPOSITE THE ASSEMBLY PART NUMBER OF YOUR CONVERTER.

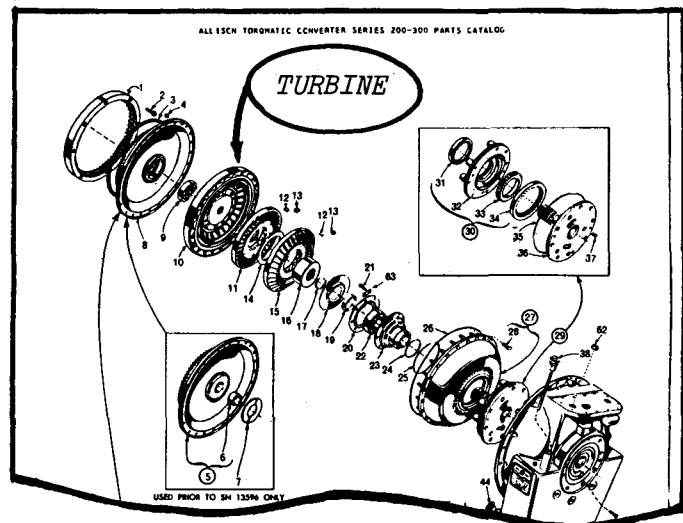
A/N	MODEL	GROUP	A/N	MODEL	GROUP
6755390	TC 324	A	6769970	TC 327	A
6755391	TC 325	A	6769971	TC 328	A
6755392	TC 326	A	6769972	TC 329	A
6755393	TC 327	A	6769973	TC 330	A
6755394	TC 328	A	6769974	TC 331	A
6755395	TC 329	A	6770285	TC 332	D
6755396	TC 330	A	6770730	TC 333	D
6755397	TC 331	A	6772298	TCDA 377	E
6755398	TCRD 376	C	6772535	TCDA 377	E
6755399	TC 327	A	6772682	TCDA 327	F
6756793	TCA 327	A	6774265	TC 376	F

ALLISON TORQOMATIC CONVERTER 200-300 SERIES PARTS CATALOG 3-3.1

GROUP A

TC-300 SERIES BASIC TORQOMATIC CONVERTER, FIGURE 3

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS
				1-3 4-10 11-25
1	GEAR, RING, SEE SPI 351	6775614	1	1 2
2	BOLT, SPLCL HEAD, 3/8-16 X 1 1/4, SEE SPI 351	9412270	8	16 24
3	RING, SEAL, SEE SPI 351	6769818	1	3 10
4	NUT, HX LOCK, 5/16-24	451006	24	72 240
5	COVER ASSY, CONVERTER PUMP, USE PRIOR TO S/N 13596, SEE SPI 224	6755325	1	1 2
6	BUSHING, USE PRIOR TO S/N 13596, SEE SPI 224	6754922	1	1 2 5
7	WASHER, TURBINE THRUST, USE PRIOR TO S/N 13596, SEE SPI 224	6755004	1	1 2 5
8	COVER, CONVERTER PUMP, USE 6772408 COVER STARTING WITH S/N 13596, SEE SPI 224	6772408	1	1 2
9	BEARING ASSY, SINGLE ROW BALL, NO 3208, USE 903208	903208	1	1 2 5
10	TURBINE ASSY, PRIOR TO S/N 13596 USE TURBINE 6769453	6769453	1	1 2
11	STATOR ASSY, FIRST	6768905	1	1 2
12	ROLLER, 22-300	6768905	1	1 2



Turning to Group A, the turbine assy is referenced as 10 in the group illustration; the part number is listed as 6769453. Opposite the part number, on the right side of the page, is a quantity recommended for spare parts, based on the quantity of units (transmissions) indicated in the heading (1-3, 4-10, 11-25).

NOTE

Use the basic procedure explained above to locate any part number required. Refer also to the opposite page and page 2 for additional parts ordering information.

HOW TO FIND DETAIL PARTS OF OPTIONS

To find detail parts of options for your Torqmatic converter, first reconcile the option number (found on the name plate after the assembly part number) to the option list on page 10, then turn to the section and group indicated opposite the option number.

For example, if your model number is TCA 325-119 and your assembly part number is 6755390, locate option 119 in listing on page 11. You will find:

— xxx-119 - Series 300: SAE 2 housing with 11 1/2-inch drive ring (see section 6, group C); 10-inch input-disconnect clutch (see section 5, group A); cooler (see section 7, group B). For the detail parts of the SAE 2 manual input-disconnect clutch housing, turn to section 6, group C, for the parts listing. For the detail parts of the manual input-disconnect clutch assembly; turn to section 5, group A, for parts listing. To find the oil cooler parts, turn to section 7, group B.

QUICK REFERENCE LISTING
FOR YOUR TORQMATIC DRIVE

Fill In Now

ALLISON TORQMATIC CONVERTER

1. Model No. _____ Assy Part No. _____
Serial No. _____ Installation _____

ALLISON TORQMATIC CONVERTER

2. Model No. _____ Assy Part No. _____
Serial No. _____ Installation _____

ALLISON TORQMATIC CONVERTER

3. Model No. _____ Assy Part No. _____
Serial No. _____ Installation _____

ALLISON TORQMATIC CONVERTER

4. Model No. _____ Assy Part No. _____
Serial No. _____ Installation _____

ALLISON TORQMATIC CONVERTER

5. Model No. _____ Assy Part No. _____
Serial No. _____ Installation _____

ALLISON TORQMATIC CONVERTER

6. Model No. _____ Assy Part No. _____
Serial No. _____ Installation _____

ALLISON TORQMATIC CONVERTER

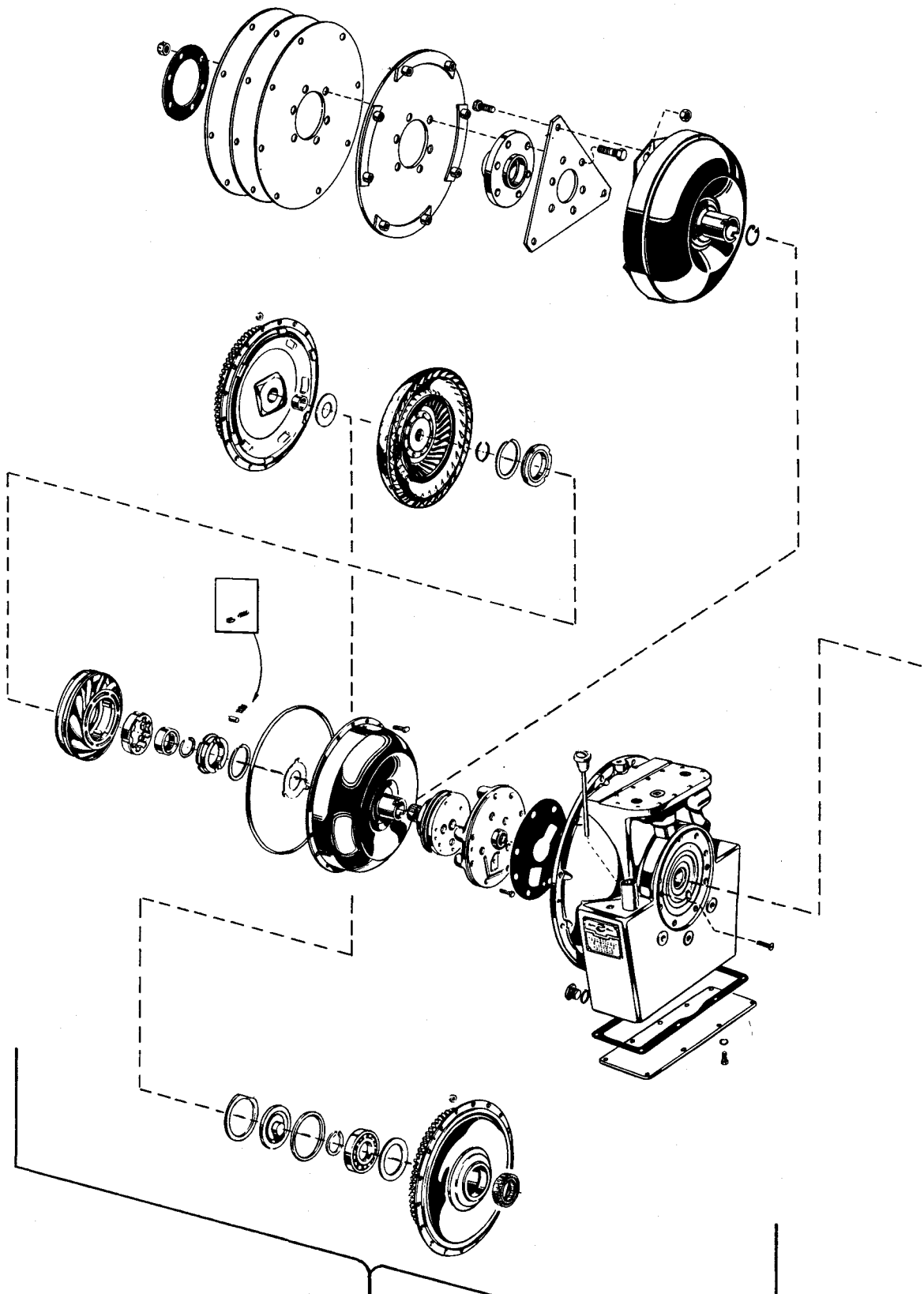
7. Model No. _____ Assy Part No. _____
Serial No. _____ Installation _____

ALLISON TORQMATIC CONVERTER

8. Model No. _____ Assy Part No. _____
Serial No. _____ Installation _____

ALLISON TORQMATIC CONVERTER

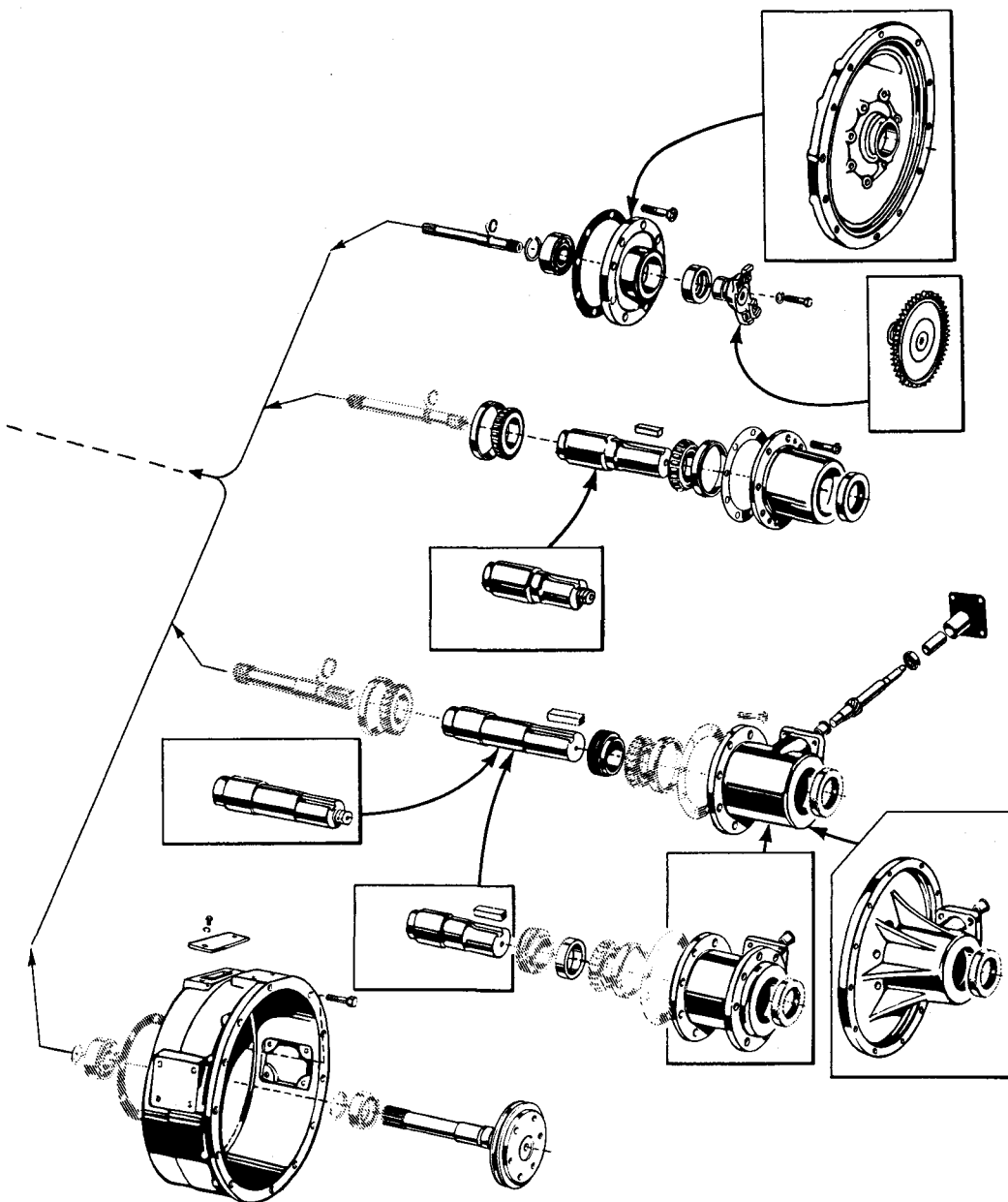
9. Model No. _____ Assy Part No. _____
Serial No. _____ Installation _____



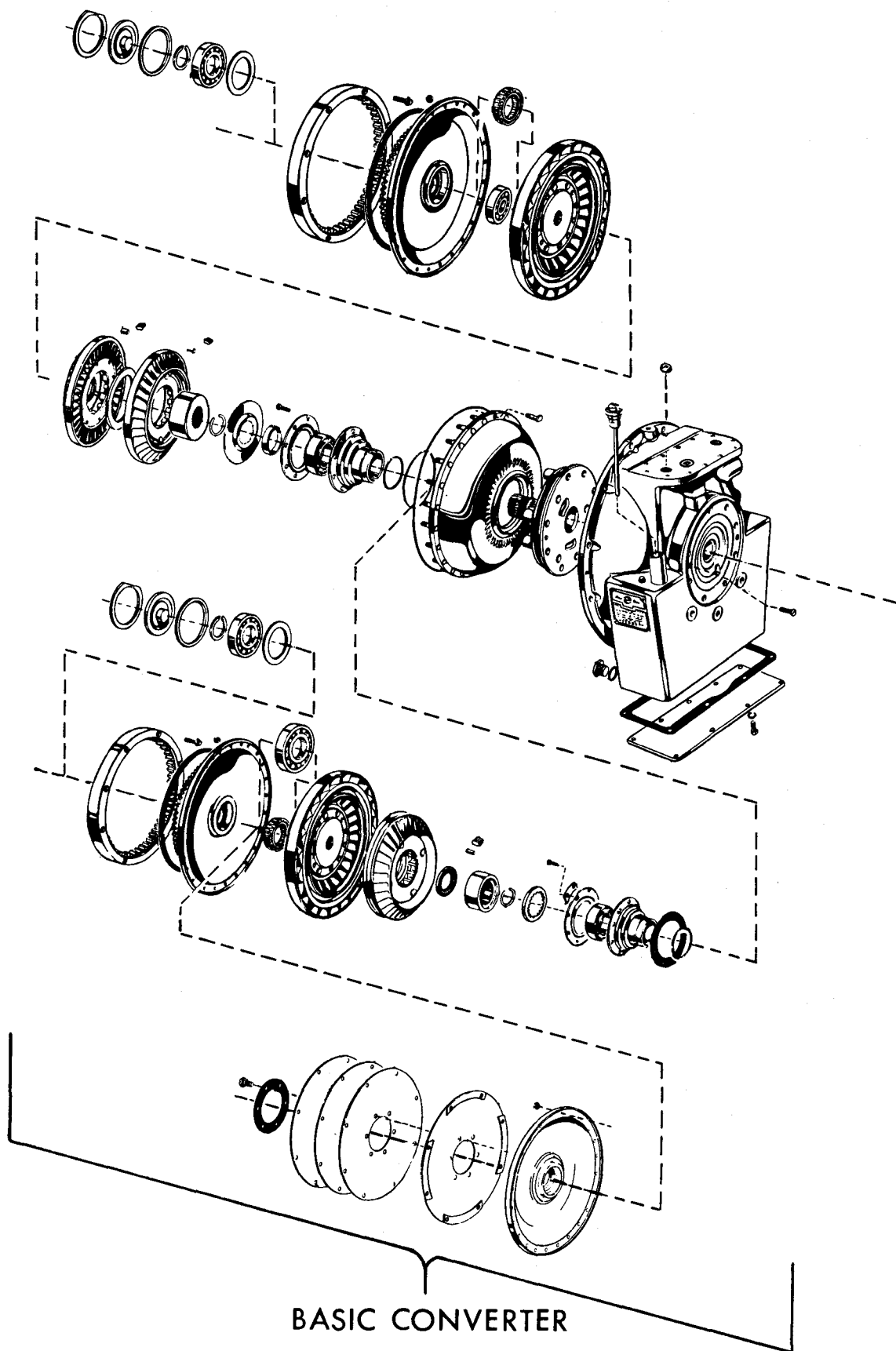
BASIC CONVERTER
Page 1-1.1

Pictorial Index

To Get the Right Part you
must Know Your Converter
Assembly Number
Found on the Converter
Name Plate



OUTPUT
SHAFTS
Page 2-1.1

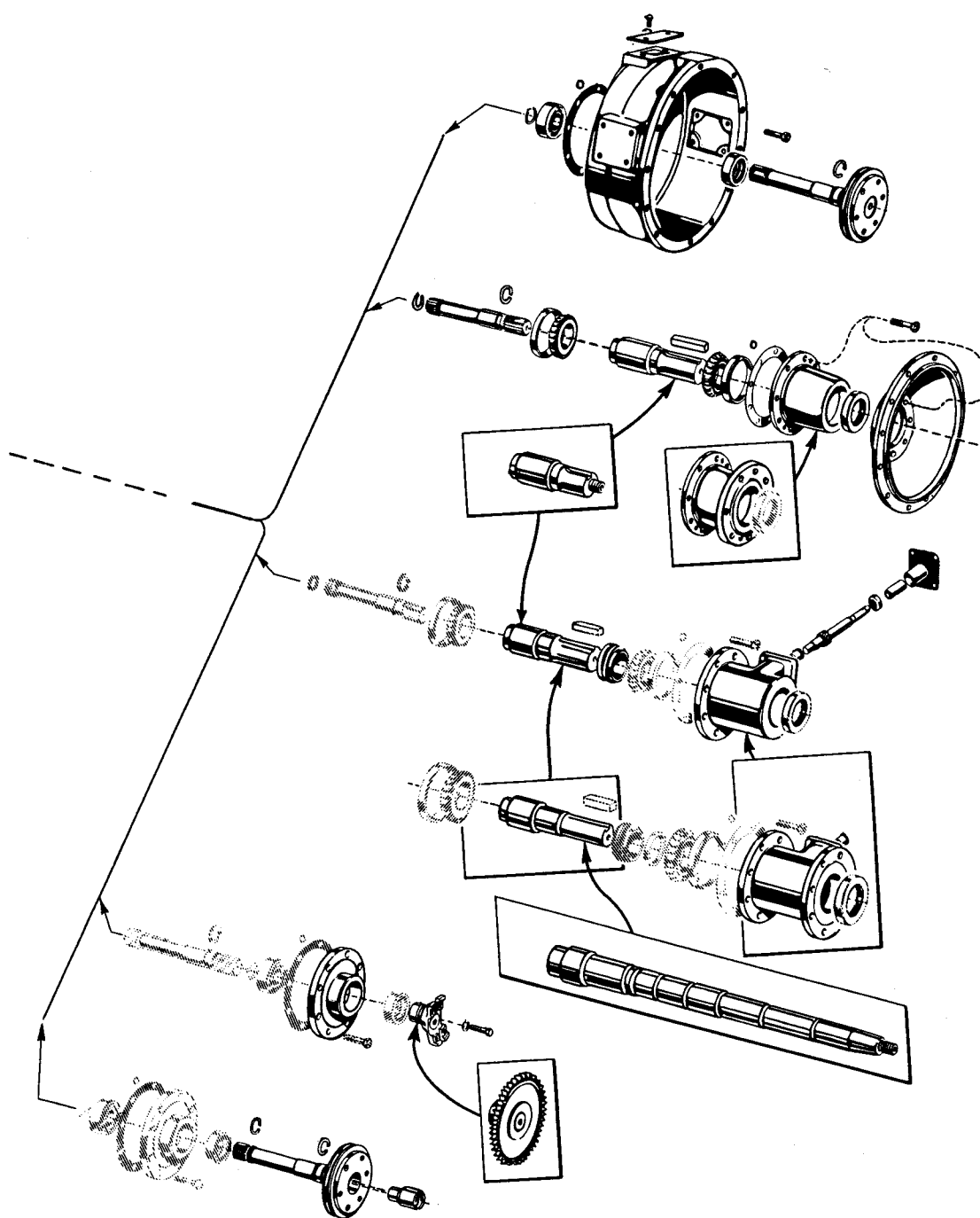


BASIC CONVERTER

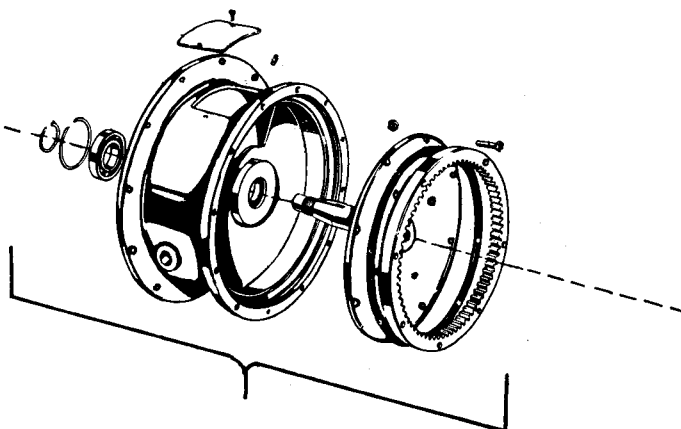
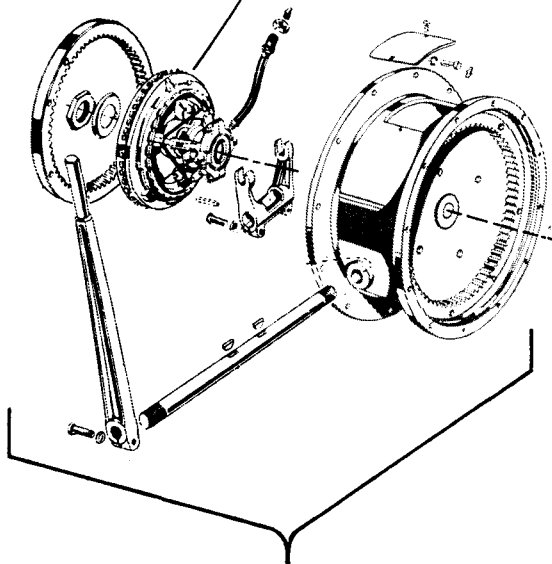
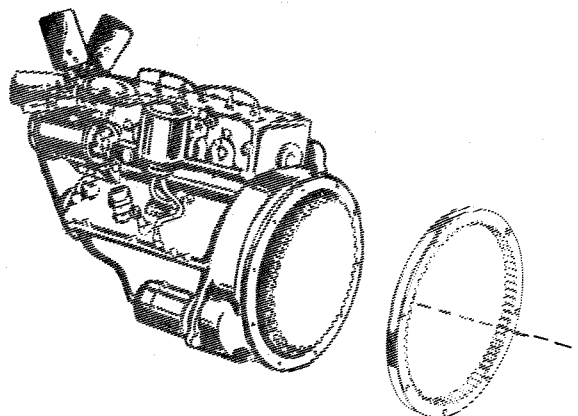
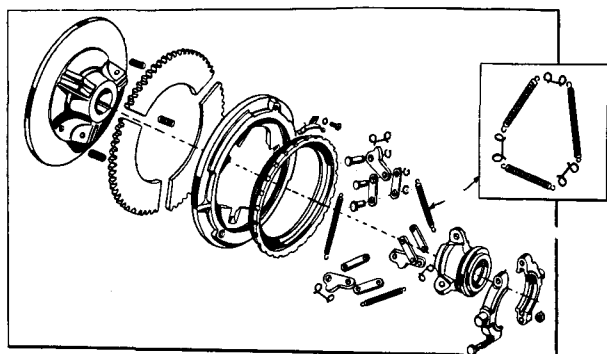
Page 3-1.1

Pictorial Index

To Get the Right Part you
must Know Your Converter
Assembly Number
Found on the Converter
Name Plate



OUTPUT
SHAFTS
Page 4-1.1



**MANUAL INPUT
DISCONNECT CLUTCH
ASSEMBLY OPTION**

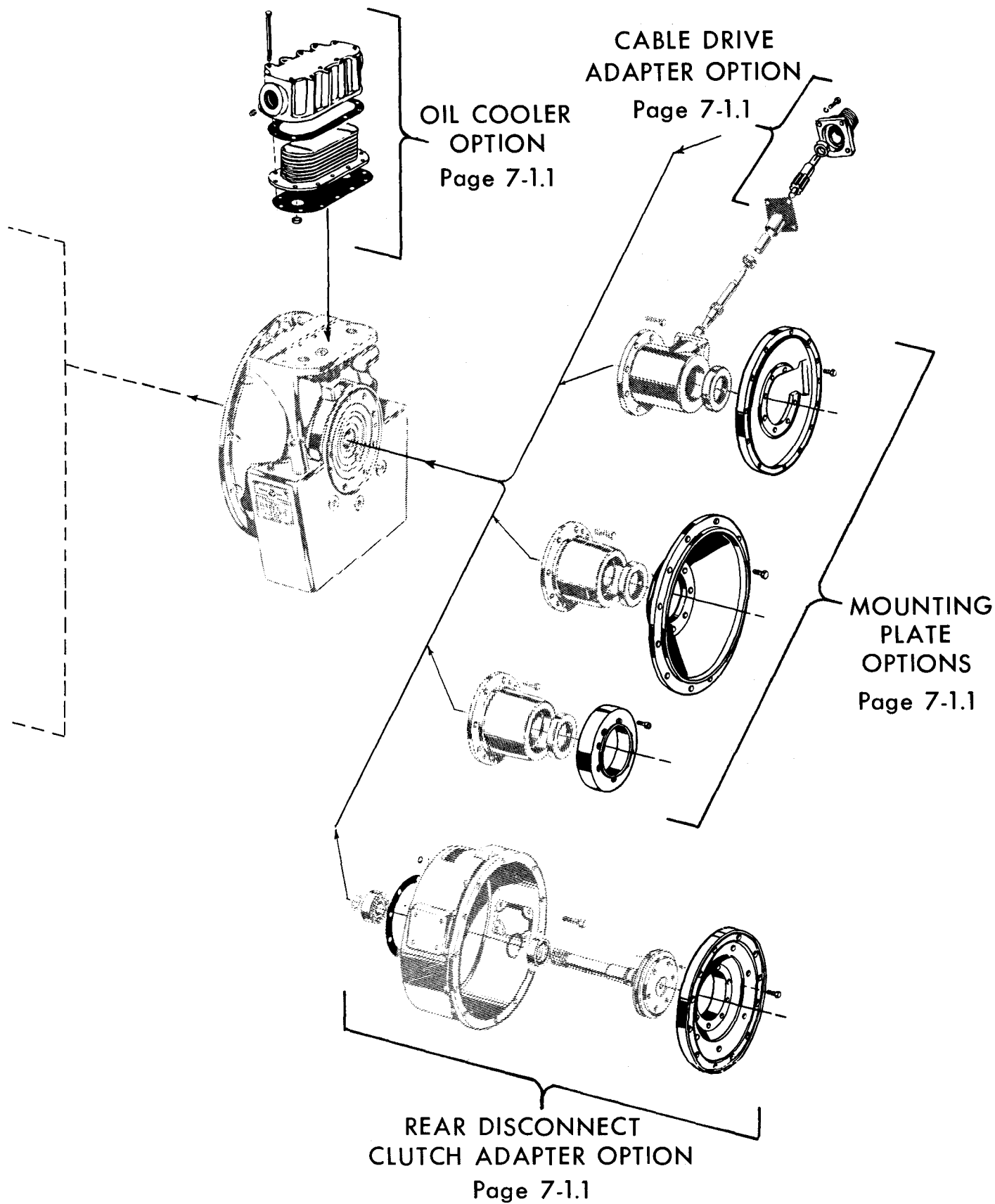
Page 5-1.1

**MANUAL INPUT DISCONNECT
CLUTCH HOUSING OPTION**

Page 6-1.1

**To Get the Right Part you
must Know Your Converter
Assembly Number
Found on the Converter
Name Plate**

Pictorial Index



MODEL DESIGNATION CODE
(Stamped on the Transmission Name Plate)

BASIC TORQMATIC CONVERTERS: LETTERS

TC = Converter assembly
TCA = Converter with accessory drive
TCO = Converter with overrunning clutch
TCRD = Converter with rear-disconnect clutch

SERIES DESIGNATION: FIRST TWO DIGITS

- 24x = 240 Series
- 32x = 320 Series
- 37x = 370 Series

CONVERTER BASIC VARIATIONS: THIRD DIGIT

- xx4 = Automotive flange
- xx5 = Industrial shaft - standard bearing
- xx6 = SAE 3 rear-disconnect clutch housing
- xx7 = Industrial shaft - extra-duty bearings
- xx8 = Industrial shaft - bevel pinion mounting
- xx9 = SAE 2 rear-disconnect clutch housing

CONVERTER OPTIONS: LAST THREE DIGITS

- xxx-101 = Series 200: Cooler (see section 7, group A)
- xxx-102 = Series 300: Cooler (see section 7, group A)
- xxx-103 = Unassigned
- xxx-104 = Series 200: SAE 2 housing (see section 6, group B)
- xxx-105 = Series 200: SAE 2 housing (see section 6, group B);
10-inch input-disconnect clutch (see section 5, group A)
- xxx-106 = Series 200: SAE 2 housing (see section 6, group B);
cooler (see section 7, group A)
- xxx-107 = Series 200: SAE 2 housing (see section 6, group B);
10-inch input-disconnect clutch (see section 5, group A);
cooler (see section 7, group A)
- xxx-108 = Series 200: SAE 3 housing with 10-inch drive ring (see section 6, group D)
- xxx-109 = Series 200: SAE 3 housing with 10-inch drive ring (see section 6, group D);
10-inch input-disconnect clutch (see section 5, group A)
- xxx-110 = Series 200: SAE 3 housing with 10-inch drive ring (see section 6, group D);
cooler (see section 7, group A)
- xxx-111 = Series 200: SAE 3 housing with 10-inch drive ring (see section 6, group D);
10-inch input-disconnect clutch (see section 5, group A);
cooler (see section 7, group A)
- xxx-112 = Series 200 or 300: Rear-disconnect clutch adapter (see section 7, group F)
- xxx-113 = Series 200: Rear-disconnect clutch adapter (see section 7, group F);
cooler (see section 7, group A)
- xxx-114 = Series 200: 10-inch input drive ring (see section 6, group A)
- xxx-115 = Series 200: 10-inch input drive ring (see section 6, group A);
cooler (see section 7, group A)

(Continued on next page)

MODEL DESIGNATION CODE - Continued
CONVERTER OPTIONS: LAST THREE DIGITS - Continued

- xxx-116 = Series 300: SAE 2 housing (see section 6, group C)
- xxx-117 = Series 300: SAE 2 housing with 11 1/2-inch drive ring (see section 6, group C); 10-inch input disconnect clutch (see section 5, group A)
- xxx-118 = Series 300: SAE 2 housing with 11 1/2-inch drive ring (see section 6, group C); cooler (see section 7, group A)
- xxx-119 = Series 300: SAE 2 housing with 11 1/2-inch drive ring (see section 6, group C); 10-inch input disconnect clutch (see section 5, group A); cooler (see section 7, group A)
- xxx-120 = Series 300: SAE 3 housing with 11 1/2-inch drive ring (see section 6, group E)
- xxx-121 = Series 300: SAE 3 housing with 11 1/2-inch drive ring (see section 6, group E); 10-inch input-disconnect clutch (see section 5, group A)
- xxx-122 = Series 300: SAE 3 housing with 11 1/2-inch drive ring (see section 6, group E); cooler (see section 7, group A)
- xxx-123 = Series 300: SAE 3 housing with 11 1/2-inch drive ring (see section 6, group E); 10-inch input-disconnect clutch (see section 5, group A); cooler (see section 7, group A)
- xxx-124 = Series 300: Rear-disconnect clutch adapter (see section 7, group F); cooler (see section 7, group A)
- xxx-127 = Series 200-300: Accessory drive adapter (see section 7, group B)
- xxx-129 = Series 200-300: Rear-disconnect clutch adapter (see section 7, group F)
- xxx-132 = Series 300: SAE 3 housing with 11 1/2-inch drive ring (see section 6, group E); 10-inch input disconnect clutch (see section 5, group A); accessory drive adapter (see section 7, group B)
- xxx-133 = Series 300: SAE 3 housing with 11 1/2-inch drive ring (see section 6, group E)
- xxx-134 = Series 200: SAE 2 housing with 10-inch drive ring (see section 6, group G)
- xxx-136 = Series 300: SAE 2 housing with 11 1/2-inch drive ring (see section 6, group F)
- xxx-137 = Series 300: SAE 3 housing (see section 6, group J)
- xxx-141 = Series 300: SAE 2 housing with 11 1/2-inch drive ring (see section 6, group F); accessory drive adapter (see section 7, group B)
- xxx-144 = Series 300: SAE 3 housing with 11 1/2-inch drive ring (see section 6, group J); 10-inch input disconnect clutch (see section 5, group A); cable drive adapter for accessory drive (see section 7, group B)
- xxx-145 = Series 200-300: SAE 3 housing with 11 1/2-inch drive ring (see section 6, group E); 10-inch input-disconnect clutch (see section 5, group A); cooler (see section 7, group A) accessory drive adapter (see section 7, group B)
- xxx-146 = Series 200-300: SAE 3 housing with 11 1/2-inch drive ring (see section 6, group J); 10-inch input disconnect clutch (see section 5, group A)
- xxx-147 = Series 300: SAE 3 housing with 11 1/2-inch drive ring (see section 6, group E)

Service Kits

LISTED BELOW ARE THE SERVICE KITS
AVAILABLE FOR THE 200-300 SERIES TORQMATIC CONVERTER

RECOMMENDED
SPARES FOR UNITS
1-3 4-10 11-25

BASIC OVERHAUL KIT - P/N 6759026

-1 -3 -10

Used on all TC-200 Torqmatic Converters. Contains all expendable items recommended be replaced at normal overhaul, seals, gaskets, thrust washer, snaprings, stator springs and rollers.

OVERHAUL KIT - P/N 6759027

-1 -3 -10

Used on TC-200 Torqmatic Converter with automotive shaft, rear disconnect clutch, and chain coupling outputs. Used with Basic Overhaul Kit - P/N 6759026. Contains output bearing, seal & gasket.

OVERHAUL KIT - P/N 6759028

-1 -3 -10

Used on TC-200 Torqmatic Converter with industrial shaft or bevel pinion outputs. Used with Basic Overhaul Kit - P/N 6759031. Contains output bearing, seals & shims.

OVERHAUL KIT - P/N 6759029

-1 -3 -10

Used on TC-200 Torqmatic Converter with governor drive output. Used with Basic Overhaul Kit - P/N 6759026. Contains output bearing, seals & shims.

BASIC SEAL AND GASKET KIT - P/N 6759030

-1 -3 -10

Used on all TC-200 Torqmatic Converters. Contains all seals & gaskets necessary for complete converter rebuild.

DRIVE RING KIT - P/N 6775458

-1 -3 -10

Used on TC-300 Torqmatic Converters. Contains drive ring, seal, washer, bolt and grease.

BASIC OVERHAUL KIT - P/N 6759031

-1 -3 -10

Used on all TC-300 Torqmatic Converters. Contains all expendable items recommended be replaced at normal overhaul, seals, gaskets, thrust washer, snaprings, stator springs and rollers.

Designed especially for you . . .

Allison

ENGINEERED SERVICE KITS

(Continued on next page)

You won't be guessing in your selecting

LISTED BELOW ARE THE SERVICE KITS
AVAILABLE FOR THE 200-300 SERIES TORQMATIC CONVERTER

RECOMMENDED
SPARES FOR UNITS
1-3 4-10 11-25

OVERHAUL KIT - P/N 6759032	-1	-3	-10
Used on TC-300 Torqmatic Converter with automotive shaft, rear disconnect clutch or chain coupling outputs. Used with Basic Overhaul Kit - P/N 6759031. Contains output bearing, seal & gasket.			
OVERHAUL KIT - P/N 6759033	-1	-3	-10
Used on TC-300 Torqmatic Converter with industrial shaft output. Used with Basic Overhaul Kit - P/N 6759031. Contains output bearing, seals & shims.			
OVERHAUL KIT - P/N 6759034	-1	-3	-10
Used on TC-300 Torqmatic Converter with industrial output shaft with extra-duty bearings. Used with Basic Overhaul Kit - P/N 6759031. Contains output bearing, seals & shims.			
OVERHAUL KIT - P/N 6759035	-1	-3	-10
Used on TC-300 Torqmatic Converter with governor drive output. Used with Basic Overhaul Kit - P/N 6759031. Contains output bearing, seals & shims.			
OVERHAUL KIT - P/N 6759036	-1	-3	-10
Used on TC-300 Torqmatic Converter with governor drive output with extra-duty bearings. Used with Basic Overhaul Kit - P/N 6759031. Contains output bearing, seals & shims.			
BASIC SEAL AND GASKET KIT - P/N 6759038	-1	-3	-10
Used on all TC-300 Torqmatic Converters. Contains all seals & gaskets necessary for complete converter rebuild.			

(Continued on next page)

LISTED BELOW ARE THE SERVICE KITS
AVAILABLE FOR THE 200-300 SERIES TORQMATIC CONVERTER

RECOMMENDED
SPARES FOR UNITS
1-3 4-10 11-25

SEAL AND GASKET KIT - P/N 6759039

-1 -3 -10

Used on TC-300 Torqmatic Converter with automotive shaft, rear disconnect clutch, or chain coupling drive output. Used with Basic Seal & Gasket Kit - P/N 6759038. Contains all seals & gaskets necessary for complete converter rebuild.

SEAL AND GASKET KIT - P/N 6759040

-1 -3 -10

Used on TC-300 Torqmatic Converter with governor drive output. Used with Basic Seal & Gasket Kit - P/N 6759038. Contains output seals & gaskets.

(Continued on next page)

TC-200 SERIES BASIC TORQMATIC CONVERTER SECTION

TO FIND DETAIL PARTS FOR YOUR ALLISON TORQMATIC CONVERTER, TURN TO
THE GROUP LISTED OPPOSITE THE ASSEMBLY PART NUMBER OF YOUR CONVERTER.

A/N*	MODEL	GROUP	A/N*	MODEL	GROUP
6755291	TC 244	A	6772099	TCOA 247	B
6755292	TC 245	A	6772102	TCOA 248	B
6755386	TCA 245	A	6772207	TCOA 248	B
6755387	TCRD 246	A	6777207	TCA 258	C
6756320	TCA 248	A	6777208	TCRQ 256	D
6756733	TC 248	A	6777209	TCA 258	C
6756751	TCA 247	A	6777466	TCA 258	D
6757848	TC 248	A	6777589	TC 254	D
6757850	TC 244	A	6777669	TC 255	D
6758071	TCA 248	A	6777823	TCA 257	D
6758320	TCA 248	A	6779094	TC 254	D
6758586	TCRD 246	A	6779463	TC 258	D
6770237	TCA 247	A	6779957	TCRD 259	D
6771200	TCOA 245	B	6832246	TC 256	D
6771244	TCOA 247	B	6832987	TC 258	D
6771706	TCOA 245	B			

* A/N* - ASSEMBLY NUMBER - FOUND ON YOUR TRANSMISSION NAMEPLATE

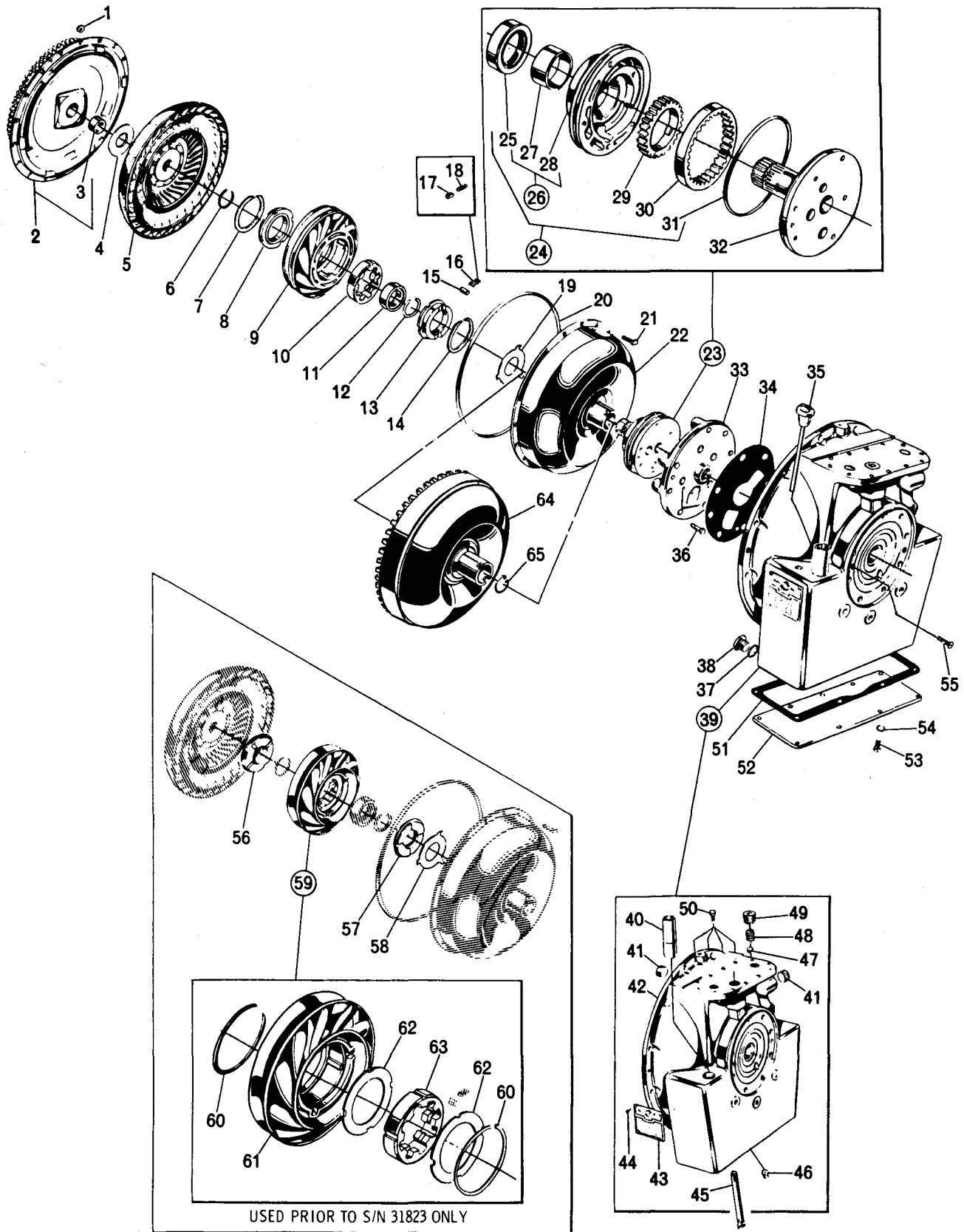


FIG. 1. TC-200 SERIES BASIC TORQMATIC CONVERTER

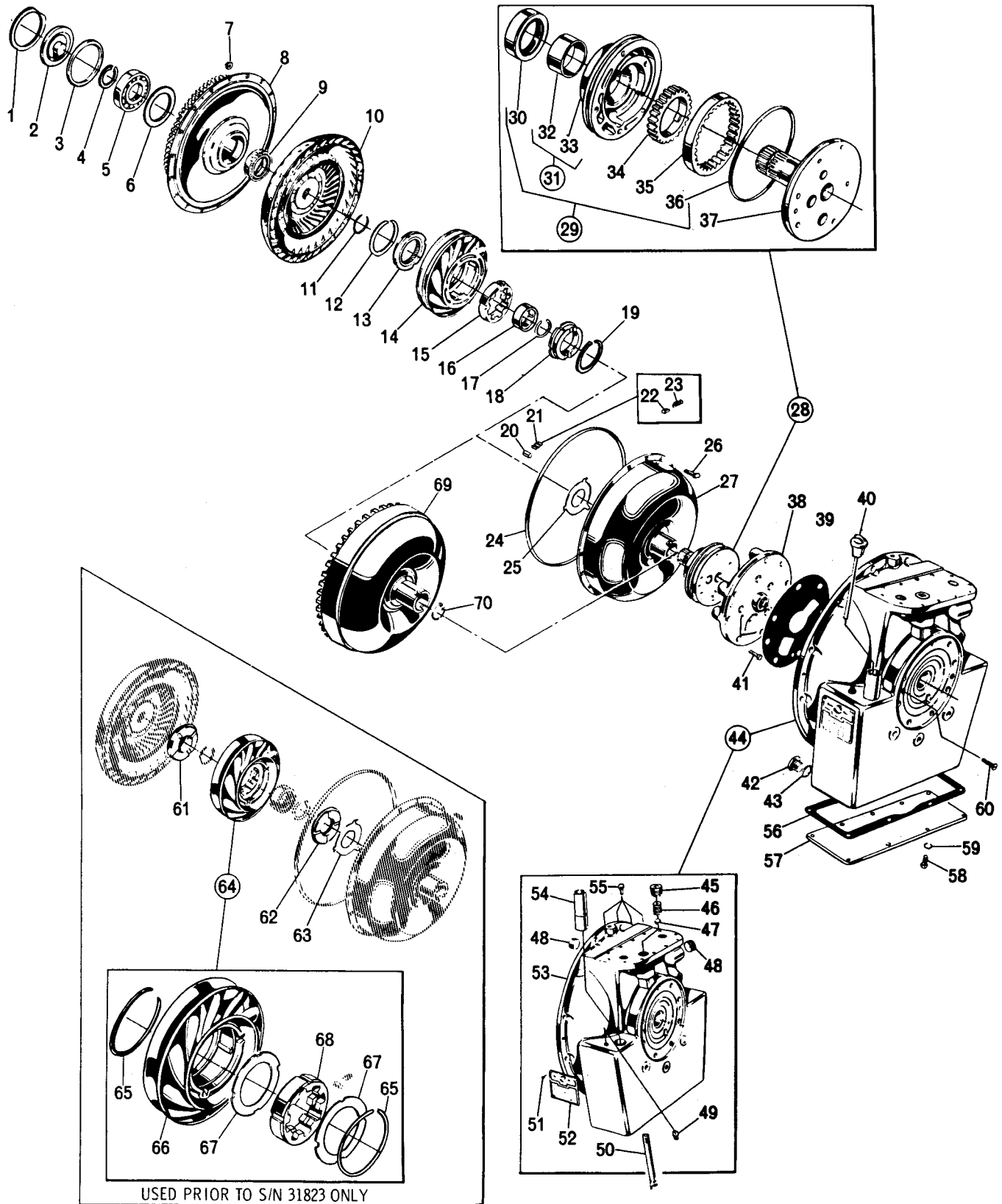


FIG. 1-1. TC 200 SERIES BASIC TORQMATIC CONVERTER WITH OVERRUNNING CLUTCH

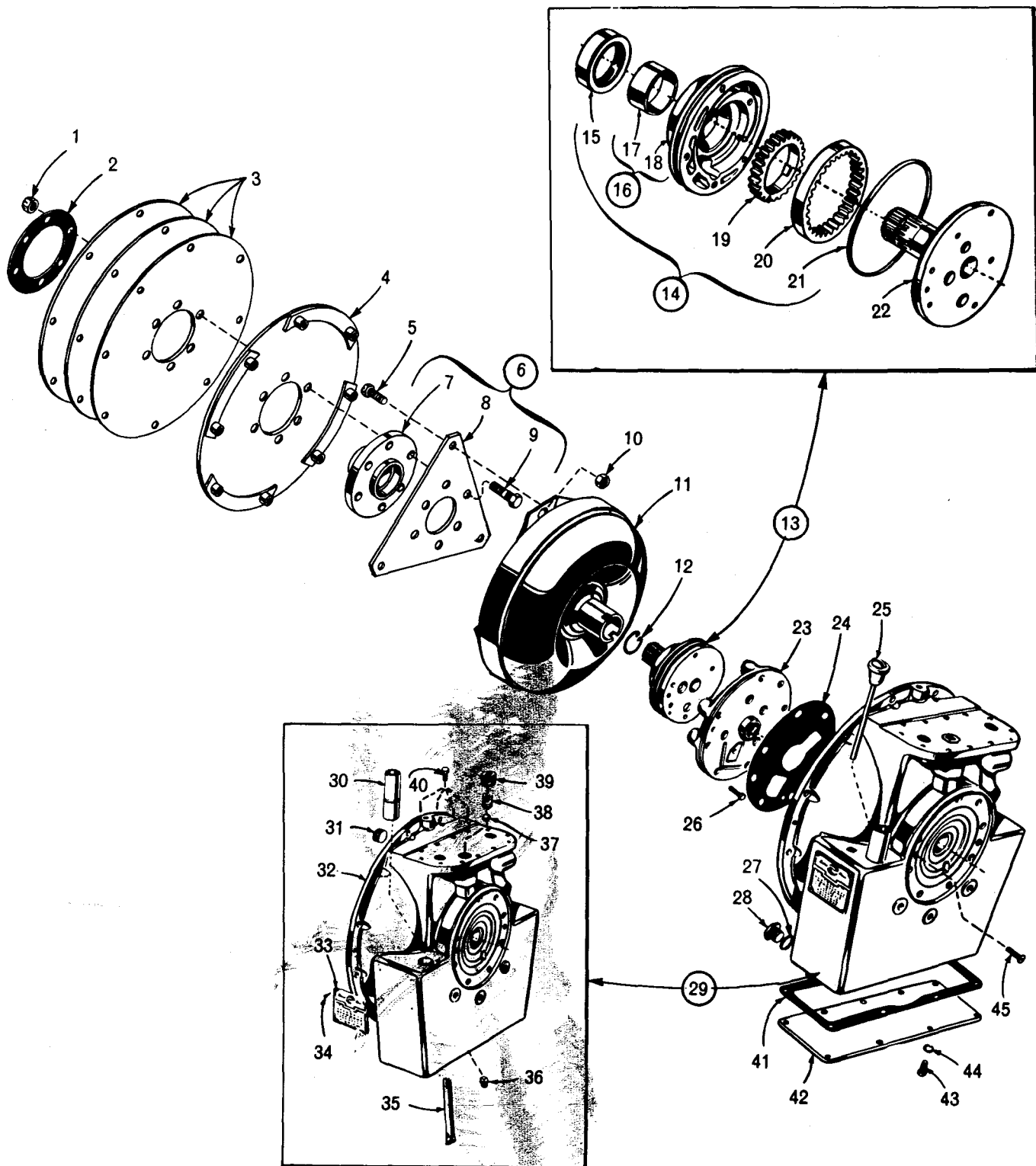


FIG. 1-2. TC 250 SERIES BASIC TORQMATIC CONVERTER

GROUP A

TC-200 SERIES BASIC TORQMATIC CONVERTER, FIGURE 1

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
1	NUT	451006	18	18	54	180
2	GEAR AND COVER ASSY	6755221	1		1	2
3	BUSHING	3790478	1	1	2	4
4	WASHER, TURBINE THRUST	3719262	1	1	2	5
5	TURBINE ASSY	3702724	1		1	2
6	RING, EXTERNAL, SNAP, 1 1/4 OD	6750046	1	1	3	10
7	RING, INTERNAL, SNAP, 3.45 ID	3702104	1	1	2	5
8	WASHER, THRUST, ALSO AVAILABLE IN STATOR KIT 6774685	3735785	1	1	2	5
9	STATOR ASSY, STATOR 3777395 AVAILABLE ONLY IN STATOR KIT 6774685 COMPOSED OF 1 3777395 STATOR, 1 3719260 CAM, 2 3702104 SNAP RING, 2 3735785 STATOR THRUST WASHERS, 1 3702744 CONVERTER PUMP THRUST WASHERS AND 1 6774686 INSTRUCTION SHEET, SEE SPI 500	3777395	1		1	2
10	CAM, STATOR FREEWHEEL, ALSO AVAILABLE IN STATOR KIT 6774685, SEE SPI 280	3719260	1		1	2
11	RACE, FREEWHEEL ROLLER	6754958	1		1	2
12	RING, EXTERNAL, SNAP, 1 1/4 OD	6750046	1	1	2	5
13	WASHER, THRUST, ALSO AVAILABLE IN STATOR KIT	3735785	1	1	2	5
14	RING, INTERNAL, SNAP, 3.45 ID, ALSO AVAILABLE IN STATOR KIT 6774685	3702104	1	1	2	5
15	ROLLER, STATOR FREEWHEEL, HY 10-S-016, SEE SPI 280	3702101	8	8	16	32
16	SPRING, ROLLER, SEE SPI 280	3719261	8	8	16	32
17	GUIDE, ROLLER, USE PRIOR TO S/N 19439 ONLY, SEE SPI 280	3691806	8	8	16	32
18	SPRING, ROLLER, USE PRIOR TO S/N 19439 ONLY, SEE SPI 280	3689751	8	8	16	32
19	WASHER, CONVERTER PUMP THRUST, USE 6756629 PRIOR TO S/N 31823. STARTING WITH S/N 31823 USE 3702744, ALSO AVAILABLE IN STATOR KIT 6774685, SEE SPI 500	3702744	1	1	2	5
20	RING, SEAL, 12 ID X 0.139 DIA	3713622	1	1	3	10
21	BOLT, SPCL	3717166	18	18	36	54
22	PUMP ASSY, CONVERTER, TC 240 SERIES 2.0 TO 1 STALL TORQUE RATIO, PUMP ASSY 6756519 REPLACED BY CONVERTER ASSY KIT 6833549, CONVERTER ASSY KIT 6833549 CONSISTS OF CONVERTER ASSY 6832944, STATOR SUPPORT 6774104, SNAPRING 6774105 AND INSTRUCTION SHEET 6833825.	6756519	1		1	2
23	PUMP ASSY, CHARGING OIL, USE 6755266 PRIOR TO S/N 31823. STARTING WITH S/N 31823 USE 6773200, SEE SPI 500. NOT USED WITH CONVERTER ASSY 6832944.	6773200	1		1	2
23	PUMP ASSY, CHARGING OIL, USED WITH CONVERTER ASSY 6832944 ONLY.	6777106	1			1
24	GEAR AND BODY ASSY	6756644	1		1	2
25	SEAL, OIL	3772748	1	1	3	10
26	BODY ASSY, OIL PUMP	3744348	* 1			
27	BUSHING	3702069	1	1	2	5
28	BODY, OIL PUMP	3744349	* 1			
29	GEAR, CHARGING OIL PUMP DRIVE	3719252	* 1			
30	GEAR, CHARGING OIL PUMP DRIVEN	3689760	* 1			
31	RING, SEAL	3689826	1	1	3	10
32	SUPPORT, STATOR, GROUND SLEEVE, USE 6754964 PRIOR TO S/N 31823. STARTING WITH S/N 31823 USE 6773199, SEE SPI 500, STATOR SUPPORT 6773199 NOT USED WITH CONVERTER ASSY 6832944	6773199	1		1	2
32	SUPPORT, STATOR, GROUND SLEEVE, USE WITH CONVERTER ASSY 6832944 ONLY. ALSO AVAILABLE IN CONVERTER ASSY KIT 6833549.	6774104	1		1	2

CONTINUED ON NEXT PAGE

* SERVICED AS AN ASSY - NOT AS A DETAIL PART

GROUP A CONT

TC-200 SERIES BASIC TORQMATIC CONVERTER, FIGURE 1

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
33	ADAPTER, CHARGING OIL PUMP	6754968	1			1
34	GASKET	6756872	1	1	3	10
35	INDICATOR, OIL LEVEL	6755786	1		1	2
36	BOLT, HX HD, SELF-LOCKING, 1/4-20 X 1	9409062	5	5	10	15
37	GASKET, ANNULAR	105456	1	1	3	10
38	PLUG, DRAIN	6701230	1	1	2	3
39	HOUSING ASSY, CONVERTER, SEE SPI 136	6768955	1			1
40	SLEEVE, OIL FILLER	6755789	1		1	2
41	PLUG, SQ-SCKT HD, 3/4 NPT	444672	2			2
42	HOUSING, CONVERTER	6768942	* 1			
43	PLATE, TORQMATIC CONVERTER NAME	6832907	1		1	2
44	SCREW, RND HD DRV, NO. 4 X 1/4	145372	4		4	8
45	TUBE, OIL COOLER RETURN	6756693	1		1	2
46	PLUG, PIPE, 1/4	444618	1	1	2	3
47	BALL	453621	1	1	2	3
48	SPRING	6757709	1	1	2	4
49	PLUG, SQ HD PIPE, 1	444678	1	1	2	3
50	BOLT, HX HD, 5/16-18 X 1/2, SEE SPI 196	179812	4	4	8	12
51	GASKET, SUMP PLATE	6754490	1	1	3	10
52	PLATE, SUMP	6754495	1			1
53	BOLT, HX HD, 5/16-18 X 7/8	179817	9	9	18	27
54	WASHER, LOCK, 5/16	103320	9	9	18	27
55	SCREW, FLAT 1/4-20 X 1 3/4	113998	2	2	4	6
56	WASHER, STATOR FRONT THRUST, USED PRIOR TO S/N 31823 ONLY, SEE SPI 500	3709094	1	1	2	4
57	WASHER, STATOR REAR THRUST, SEE SPI 127, USED PRIOR TO S/N 31823 ONLY, SEE SPI 500	6756233	1	1	2	4
58	WASHER, CONVERTER PUMP THRUST, USED PRIOR TO S/N 31823 ONLY, SEE SPI 500	6756629	1	1	2	4
59	STATOR ASSY, USED PRIOR TO S/N 31823 ONLY, WHEN REPLACING 6769234 STATOR ASSY OR 3796309 STATOR ORDER 6774685 STATOR KIT COMPOSED OF 1 3777395 STATOR, 1 3719260 CAM, 2 3702104 SNAPRING, 2 3735785 STATOR THRUST WASHERS, 1 3702744 CONVERTER PUMP THRUST WASHERS AND 1 6774686 INSTRUCTION SHEET, SEE SPI 500	6769234	1			1
60	RING, SNAP, ALSO AVAILABLE IN STATOR KIT . . . 6774685, SEE SPI 500	3702104	2	2	4	10
61	STATOR, USED PRIOR TO S/N 31823 ONLY, WHEN REPLACING 6769234 STATOR ASSY OR 3796309 STATOR ORDER 6774685 STATOR KIT COMPOSED OF 1 3777395 STATOR, 1 3719260 CAM, 2 3702104 SNAPRING, 2 3735785 STATOR THRUST WASHERS, 1 3702744 CONVERTER PUMP THRUST WASHERS AND 1 6774686 INSTRUCTION SHEET, SEE SPI 500	3796309	1		1	2
62	WASHER, CAM THRUST, USED PRIOR TO S/N 31823 ONLY, SEE SPI 500	3702103	2	2	4	8
63	CAM, STATOR FREEWHEEL, ALSO AVAILABLE IN STATOR KIT 6774685	3719260	1		1	2
64	CONVERTER ASSY, AVAILABLE ONLY IN CONVERTER ASSY KIT 6833549. KIT 6833549 CONSISTS OF CONVERTER ASSY 6832944, STATOR SUPPORT 6774104, SNAPRING 6774105 AND INSTRUCTION SHEET 6832825.	6832944	1			
65	RING, SNAP, USED WITH CONVERTER ASSY 6832944 ONLY. ALSO AVAILABLE IN CONVERTER ASSY KIT 6833549.	6774105	1	1	2	5

* SERVICED AS AN ASSY - NOT AS A DETAIL PART

GROUP B

TC-200 SERIES BASIC TORQMATIC CONVERTER, FIGURE 1-1
OVERRUNNING CLUTCH

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
1	RING, INTERNAL SNAP, 3.361 OD	6759926	1	1	2	5
2	COVER, BEARING	6772312	1		1	2
3	RING, SQUARE SECTION SEAL, 3.107 ID	6759906	1	1	3	10
4	RING, EXTERNAL SNAP, 1.404 ID	6750127	1	1	2	5
5	BEARING ASSY, SINGLE ROW BALL, NO 3208XR1A	903208	1	1	2	5
6	RETAINER, SPRAG	6759927	1	1	2	3
7	NUT	451006	18	18	54	180
8	GEAR AND COVER ASSY	6759928	1		1	2
9	SPRAG ASSY	8618363	1	1	2	3
10	TURBINE ASSY	6759932	1		1	2
11	RING, EXTERNAL, SNAP, 1 1/4 OD	6750046	1	1	3	10
12	RING, SNAP, INTERNAL, 3.45 ID, ALSO AVAILABLE IN STATOR KIT 6774685	3702104	1	1	2	5
13	WASHER, THRUST, ALSO AVAILABLE IN STATOR KIT . . 6774685	3735785	1	1	2	4
14	STATOR ASSY, STATOR 3777395 AVAILABLE ONLY IN . . STATOR KIT 6774685. COMPOSED OF 1 3777395 STATOR, 1 3719260 CAM, 2 3702104 SNAPRING, 2 3735785 STATOR THRUST WASHERS, 1 3702744 CONVERTER PUMP THRUST WASHERS AND 1 6774686 INSTRUCTION SHEET, SEE SPI 500	3777395	1		1	2
15	CAM, STATOR FREEWHEEL, ALSO AVAILABLE IN STATOR . KIT 6774685, SEE SPI 280	3719260	1		1	2
16	RACE, FREEWHEEL ROLLER	6754958	1		1	2
17	RING, EXTERNAL, SNAP, 1 1/4 OD	6750046	1	1	2	5
18	WASHER, THRUST	3735785	1	1	2	4
19	RING, INTERNAL, SNAP, 3.45 ID	3702104	1	1	2	5
20	ROLLER, STATOR FREEWHEEL, HY 10-S-016, SEE . . . SPI 280	3702101	8	8	16	32
21	SPRING, ROLLER, SEE SPI 280	3719261	8	8	16	32
22	GUIDE, ROLLER, USE PRIOR TO S/N 19439 ONLY . . .	3691806	8	8	16	32
23	SPRING, ROLLER, USE PRIOR TO S/N 19439 ONLY, . . SEE SPI 280	3689751	8	8	16	32
24	RING, SEAL, 12 ID X .139 DIA	3713622	1	1	3	10
25	WASHER, CONVERTER PUMP THRUST, ALSO AVAILABLE IN STATOR KIT 6774685	3702744	1	1	2	4
26	BOLT, SPCL	3717166	18	18	36	54
27	PUMP ASSY, CONVERTER, TC 240 SERIES 2.0 TO 1 . . STALL TORQUE RATIO, PUMP ASSY 6756519 REPLACED BY CONVERTER ASSY KIT 6833549, CONVERTER ASSY KIT 6833549 CONSISTS OF CONVERTER ASSY 6832944, STATOR SUPPORT 6774104, SNAPRING 6774105 AND INSTRUCTION SHEET 6833825.	6756519	1		1	2
28	PUMP ASSY, CHARGING OIL, SEE SPI 500, NOT USED . WITH CONVERTER ASSY 6832944	6773200	1		1	2
28	PUMP ASSY, CHARGING OIL, USED WITH CONVERTER . . ASSY 6832944 ONLY.	6777106	1			1
29	GEAR AND BODY ASSY	6756644	1		1	2
30	SEAL, OIL	3772748	1	1	3	10
31	BODY ASSY, OIL PUMP	3744348	* 1			
32	BUSHING	3702069	1	1	2	5
33	BODY, OIL PUMP	3744349	* 1			
34	GEAR, CHARGING OIL PUMP DRV	3719252	* 1			
35	GEAR, CHARGING OIL PUMP DRVN	3689760	* 1			
36	RING, SEAL	3689826	1	1	3	10
37	SUPPORT, STATOR, GROUND SLEEVE, STATOR SUPPORT 6773199 NOT USED WITH CONVERTER ASSY 6832944	6773199	1		1	2
37	SUPPORT, STATOR, GROUND SLEEVE, USED WITH . . CONVERTER ASSY 6832944 ONLY. ALSO AVAILABLE IN CONVERTER ASSY KIT 6833549.	6774104	1		1	2

CONTINUED ON NEXT PAGE

* SERVICED AS AN ASSY - NOT AS A DETAIL PART

GROUP B CONT

TC-200 SERIES BASIC TORQMATIC CONVERTER, FIGURE 1-1
OVERRUNNING CLUTCH

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
38	ADAPTER, CHARGING OIL PUMP	6754968	1			1
39	GASKET	6756872	1	1	3	10
40	INDICATOR, OIL LEVEL	6755786	1		1	2
41	BOLT, HX HD, SELF-LOCKING, 1/4-20 X 1	9409062	5	5	10	15
42	GASKET, ANNULAR	105456	1	1	3	10
43	PLUG, DRAIN	6701230	1	1	2	3
44	HOUSING ASSY, CONVERTER, SEE SPI 136	6768955	1			1
45	PLUG, SQ HD PIPE, 1	444678	1	1	2	3
46	SPRING	6757709	1	1	2	3
47	BALL	453621	1	1	2	3
48	PLUG, SQ-SCKT HD, 3/4 NPT	444672	2		2	4
49	PLUG, PIPE, 1/4	444618	1	1	2	3
50	TUBE, OIL COOLER RETURN	6756693	1		1	2
51	SCREW, RND HD DRV, NO. 4 X 1/4	145372	4		4	8
52	PLATE, TORQMATIC CONVERTER NAME	6832907	1		1	2
53	HOUSING, CONVERTER	6768942	* 1			
54	SLEEVE, OIL FILLER	6755789	1		1	2
55	BOLT, HX HD, 5/16-18 X 1/2, SEE SPI 196	179812	4	4	8	12
56	GASKET, SUMP PLATE	6754490	1	1	3	10
57	PLATE, SUMP	6754495	1			1
58	BOLT, HX HD, 5/16-18 X 7/8	179817	9	9	18	27
59	WASHER, LOCK, 5/16	103320	9	9	18	27
60	SCREW, FLAT, 1/4-20 X 1 3/4	113998	2	2	4	6
61	WASHER, STATOR FRONT THRUST, USED PRIOR TO S/N 31823 ONLY, SEE SPI 500	3709094	1	1	2	4
62	WASHER, STATOR REAR THRUST, USED PRIOR TO S/N 31823 ONLY, SEE SPI 500	6756233	1	1	2	4
63	WASHER, CONVERTER PUMP THRUST, USED PRIOR TO S/N 31823 ONLY, SEE SPI 500	6756629	1	1	2	4
64	STATOR ASSY, USED PRIOR TO S/N 31823 ONLY, WHEN REPLACING 6769234 STATOR ASSY OR 3796309 STATOR ORDER 6774685 STATOR KIT COMPOSED OF 1 3777395 STATOR, 1 3719260 CAM, 2 3702104 SNAP RING, 2 3735785 STATOR THRUST WASHERS, 1 3702744 CONVERTER PUMP THRUST WASHERS AND 1 6774686 INSTRUCTION SHEET, SEE SPI 500	6769234	1		1	2
65	RING, SNAP, ALSO AVAILABLE IN STATOR KIT 6774685, SEE SPI 500	3702104	2	2	4	8
66	STATOR, USED PRIOR TO S/N 31823 ONLY, WHEN REPLACING 6769234 STATOR ASSY OR 3796309 STATOR ORDER 6774685 STATOR KIT COMPOSED OF 1 3777395 STATOR, 1 3719260 CAM, 2 3702104 SNAP RING, 2 3735785 STATOR THRUST WASHERS, 1 3702744 CONVERTER PUMP THRUST WASHERS AND 1 6774686 INSTRUCTION SHEET, SEE SPI 500	3796309	1		1	2
67	WASHER, CAM THRUST, USED PRIOR TO S/N 31823 ONLY, SEE SPI 500	3702103	2	2	4	8
68	CAM, STATOR FREEWHEEL, ALSO AVAILABLE IN STATOR KIT 6774685	3719260	1		1	2
69	CONVERTER ASSY, AVAILABLE ONLY IN CONVERTER ASSY KIT 6833549. KIT 6833549 CONSISTS OF CONVERTER ASSY 6832944, STATOR SUPPORT 6774104, SNAPRING 6774105 AND INSTRUCTION SHEET 6832825	6832944	1			
70	RING, SNAP, USED WITH CONVERTER ASSY 6832944 ONLY. ALSO AVAILABLE IN CONVERTER ASSY KIT 6833549.	6774105	1	1	2	5

* SERVICED AS AN ASSY - NOT AS A DETAIL PART

GROUP C

TC-200 SERIES BASIC TORQMATIC CONVERTER, FIGURE 1-2

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
1	NUT, HX, LOCK, 1/2-20	117213	6	6	18	60
2	PLATE, FLEX DISK	6774012	1	1	2	3
3	DISK, FLEXIBLE	6777448	3	3	6	9
4	DISK AND WASHER ASSY, FLEXIBLE	6777449	1	1	2	3
5	BOLT, HX HD, 3/8-24 X 5/8	9409033	3	3	6	9
6	HUB ASSY, DRIVE	6777108	1		1	2
7	HUB, DRIVE	6777110	*	1		
8	PLATE, DRIVE	6777109	*	1		
9	BOLT, SPECIAL, 1/2-20-1.25	6777107	6	6	12	18
10	NUT, HEX, 3/8-24	103026	3	3	6	9
11	CONVERTER ASSY	6778111	1		1	2
12	RING, SNAP, EXTERNAL	6774105	1	1	2	5
13	PUMP ASSY, CHARGING OIL	6777106	1			1
14	GEAR AND BODY ASSY	6756644	1		1	2
15	SEAL, OIL	3772748	1	1	3	10
16	BODY ASSY, OIL PUMP	3744348	*	1		
17	BUSHING	3702069	1	1	2	4
18	BODY, OIL PUMP	3744349	*	1		
19	GEAR, CHARGING OIL PUMP DRIVE	3719252	*	1		
20	GEAR, CHARGING OIL PUMP DRIVEN	3689760	*	1		
21	RING, SEAL	3689826	1	1	3	10
22	SUPPORT, STATOR	6774104	1		1	2
23	ADAPTER, CHARGING OIL PUMP	6754968	1		1	2
24	GASKET, ADAPTER	6756872	1	1	3	10
25	INDICATOR, OIL LEVEL	6755786	1		1	2
26	BOLT, HX HD, SELF-LOCKING, 1/4-20 X 1	9409062	5	5	10	15
27	GASKET, ANNULAR	105456	1	1	3	10
28	PLUG, DRAIN	6701230	1	1	2	3
29	HOUSING ASSY, CONVERTER	6768955	1			1
30	SLEEVE, OIL FILLER	6755789	1		1	2
31	PLUG, SQ-SCKT HD, 3/4 NPT	444672	2		2	4
32	HOUSING, CONVERTER	6768942	*	1		
33	PLATE, NAME	6832907	1		1	2
34	SCREW, RND HD DRV, NO. 4 X 1/4	145372	4		4	8
35	TUBE, OIL COOLER RETURN	6756693	1		1	2
36	PLUG, PIPE, 1/4	444618	1	1	2	3
37	BALL	453621	1	1	2	3
38	SPRING	6757709	1	1	2	3
39	PLUG, SQ HD, PIPE, 1	444678	1	1	2	3
40	BOLT, HX HD, 5/16-18 X 1/2, SEE SPI 196	179812	4	4	8	12
41	GASKET, SUMP PLATE	6754490	1	1	3	10
42	PLATE, SUMP	6754495	1			1
43	BOLT, HX HD, 5/16-18 X 7/8	179817	9	9	18	27
44	WASHER, LOCK, 5/16	103320	9	9	18	27
45	SCREW, FLAT, 1/4-20 X 1 3/4	113998	2	2	4	6

GROUP D

TC-200 SERIES BASIC TORQMATIC CONVERTER, FIGURE 1-2

SAME AS GROUP C, EXCEPT FOR PARTS LISTED BELOW.

6	HUB ASSY, DRIVE	6777884	1		1	2
7	HUB, DRIVE	6777885	*	1		

* SERVICED AS AN ASSY - NOT AS A DETAIL PART

TC-200 SERIES BASIC TORQMATIC CONVERTER OUTPUT SHAFTS SECTION

TO FIND DETAIL PARTS FOR YOUR ALLISON TORQMATIC CONVERTER, TURN TO
THE GROUP LISTED OPPOSITE THE ASSEMBLY PART NUMBER OF YOUR CONVERTER.

A/N*	MODEL	GROUP	A/N*	MODEL	GROUP
6755291	TC 244	A	6772099	TCOA 247	H
6755292	TC 245	B	6772102	TCOA 248	K
6755386	TCA 245	E	6772207	TCOA 248	F
6755387	TCRD 246	D	6777207	TCA 258	K
6756320	TCA 248	F	6777208	TCRD 256	J
6756733	TC 248	C	6777209	TCA 258	F
6756751	TCA 247	H	6777466	TCA 258	F
6757848	TC 248	C	6777589	TC 254	A
6757850	TC 244	G	6777669	TC 255	B
6758071	TCA 248	K	6777823	TCA 257	L
6758320	TCA 248	M	6779094	TC 254	G
6758586	TCRD 246	J	6779463	TC 258	C
6772037	TCA 247	L	6779957	TCRD 259	P
6771200	TCOA 245	E	6832246	TC 256	Q
6771244	TCOA 247	L	6832987	TC 258	C
6771706	TCOA 245	N			

* A/N* - ASSEMBLY NUMBER - FOUND ON YOUR TRANSMISSION NAMEPLATE

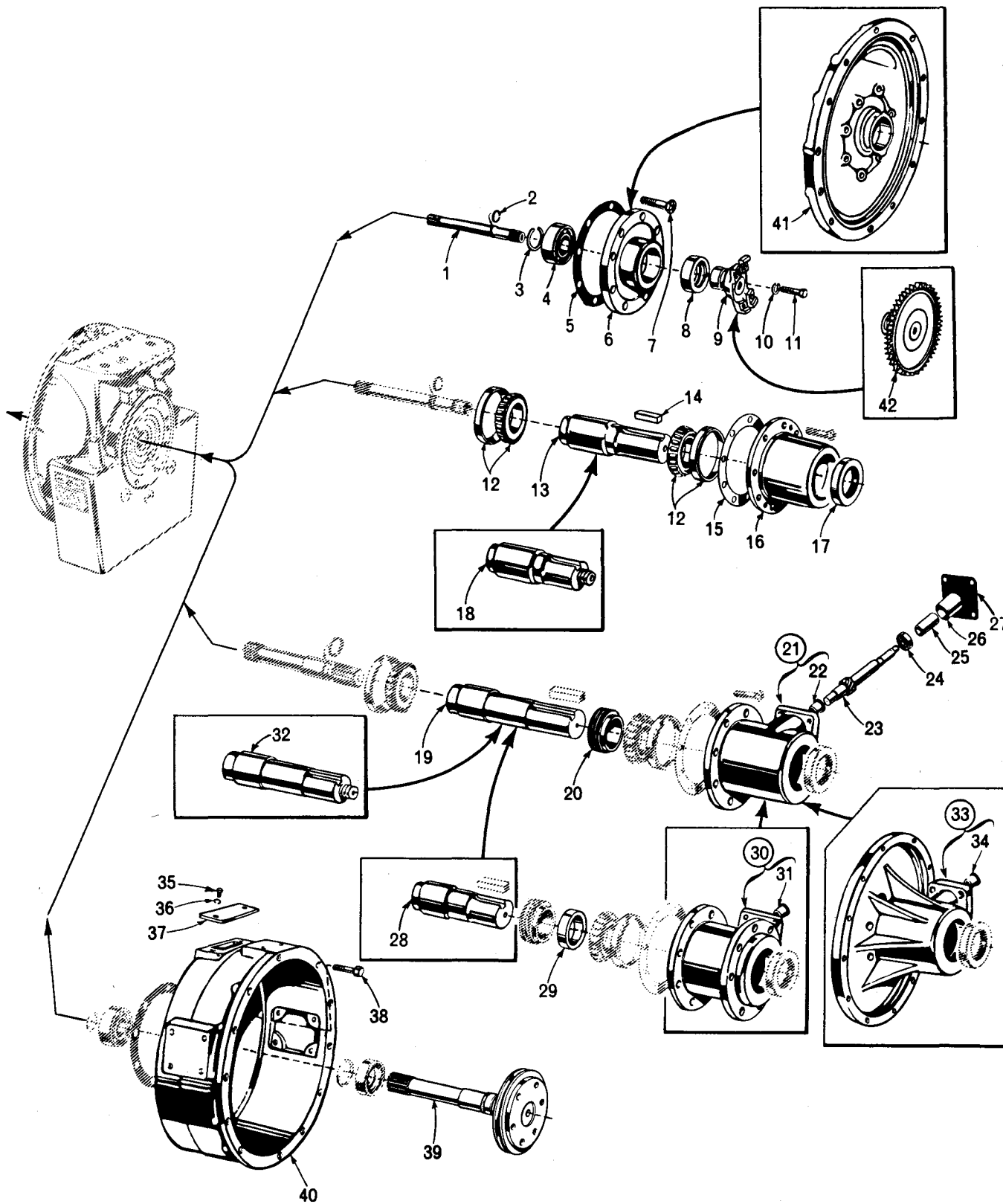


FIG. 2. TC 200 SERIES BASIC TORQMATIC CONVERTER OUTPUT SHAFTS

GROUP A

TC-200 SERIES OUTPUT SHAFT, AUTOMOTIVE, FIGURE 2

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
1	SHAFT, TURBINE	6754962	1		1	2
2	RING, HOOK TYPE SEAL	6770432	1		1	3
3	RING, EXTRNL SNAP, 1.250 ID	6750046	1	1	2	5
4	BEARING ASSY, SINGLE ROW BALL, ND3307L1214A	907050	1	1	2	5
5	GASKET, BRNG RTNR	6753966	1	1	3	10
6	RETAINER, BRNG	6755302	1		1	2
7	BOLT, HX HD, SELF-LOCKING, 1/2-13 X 2 1/2	9409055	8	8	16	24
8	SEAL, OIL, 2.750 X 1.750 ID X .50 THICK	6773249	1	1	3	10
9	FLANGE ASSY, M4C	6754963	1		1	2
10	WASHER, LOCK, 1/2	103323	1	1	2	3
11	BOLT, HX HD, 1/2-20 X 1 1/4	181429	1	1	2	3
12-42	NOT USED IN THIS GROUP.					

GROUP B

TC-200 SERIES OUTPUT SHAFT, INDUSTRIAL, FIGURE 2

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

1	SHAFT, TURBINE	6759462	1		1	2
3-6	NOT USED IN THIS GROUP.					
8-11	NOT USED IN THIS GROUP.					
12	BEARING ASSY, TAPERED ROLLER, TIMKEN 397-394 RS.	9422228	2	2	4	10
13	SHAFT ASSY, CONVERTER OUTPUT	6755032	1		1	2
14	KEY, 5/8 X 5/8 X 3	6751531	1	1	2	4
15	SHIM, BRNG HSNB, .003	6833225	AR	2	6	15
15	SHIM, BRNG HSNB, .010	6833226	AR	2	6	15
16	HOUSING, BRNG	6754508	1		1	2
17	SEAL, OIL, 3.378 OD X 2.35 ID X .483 WIDE	6754506	1	1	3	10
18-42	NOT USED IN THIS GROUP.					

GROUP C

TC-200 SERIES OUTPUT, SHAFT, INDUSTRIAL, BEVEL PINION MOUNTING, FIGURE 2

SAME AS GROUP B, EXCEPT FOR PARTS LISTED BELOW.

13-14	NOT USED IN THIS GROUP.					
18	SHAFT ASSY, CONVERTER OUTPUT	6756856	1		1	2

GROUP D

TC-200 SERIES OUTPUT SHAFT, INDUSTRIAL, SAE. NO. 3 REAR DISCONNECT CLUTCH, FIGURE 2

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

1	NOT USED IN THIS GROUP.					
4	BEARING ASSY, SINGLE ROW BALL, ND 3307X1A	903307	1	1	2	5
6-7	NOT USED IN THIS GROUP.					
9-34	NOT USED IN THIS GROUP.					
35	BOLT, HX HD, 3/8-16 X 3/4	179837	2	2	4	6
36	WASHER, LOCK, 3/8	103321	2	2	4	6
37	SHIELD, DUST	6757426	1			1
38	BOLT, HX HD, SELF-LOCKING, 1/2-13 X 2 3/4	9409203	8	8	16	24
39	SHAFT, TURBINE	6755469	1		1	2
40	HOUSING, SAE NO. 3 REAR DISCONNECT CLUTCH	6754349	1		1	2

GROUP E

TC-200 SERIES OUTPUT SHAFT, INDUSTRIAL SHAFT WITH ACCESSORY DRIVE, FIGURE 2

SAME AS GROUP B, EXCEPT FOR PARTS LISTED BELOW.

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
13	NOT USED IN THIS GROUP.					
16	NOT USED IN THIS GROUP.					
18	NOT USED IN THIS GROUP.					
19	SHAFT ASSY, CONVERTER OUTPUT	6755383	1		1	2
20	GEAR, ACCESSORY DRV, 2.5 TO 1	6755619	1		1	2
21	HOUSING ASSY, BRNG	6755377	1			1
22	BUSHING	2222424	1	1	2	3
23	GEAR, ACCESSORY DRVN, 2.5 TO 1	6755618	1		1	2
24	BEARING ASSY, SINGLE ROW BALL, ND 3202NR1214A	907411	1	1	2	5
25	SLEEVE, ACCESSORY DRV	3224085	1		1	2
26	SPACER, 1.38 OD X .06 WALL X 2.16	6751524	1		1	2
27	GASKET	3224773	1	1	3	10

GROUP F

TC-200 SERIES OUTPUT SHAFT
INDUSTRIAL SHAFT WITH ACCESSORY DRIVE AND BEVEL PINION MOUNTING, FIGURE 2

SAME AS GROUP E, EXCEPT FOR PARTS LISTED BELOW.

7	BOLT, HX HD, 1/2-13 X 2 3/4	9409203	8	8	16	24
14	NOT USED IN THIS GROUP.					
19	NOT USED IN THIS GROUP.					
21-22	NOT USED IN THIS GROUP.					
28-31	NOT USED IN THIS GROUP.					
32	SHAFT ASSY, CONVERTER OUTPUT	6756321	1		1	2
33	HOUSING ASSY, BRNG	6757521	1			1
34	BUSHING	2222424	1	1	2	3

GROUP G

TC-200 SERIES OUTPUT SHAFT, INDUSTRIAL, COUPLING, FIGURE 2

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

6	NOT USED IN THIS GROUP.					
7	BOLT, HX HD, 1/2-13 X 3	9409240	8	8	16	24
9	NOT USED IN THIS GROUP.					
41	RETAINER, BRNG	6757737	1			1
42	COUPLING, OUTPUT DRV	6757757	1		1	2

GROUP H

TC-200 SERIES OUTPUT SHAFT
INDUSTRIAL SHAFT WITH EXTRA DUTY BEARINGS AND ACCESSORY DRIVE, FIGURE 2

SAME AS GROUP E, EXCEPT FOR PARTS LISTED BELOW.

7	BOLT, HX HD, SELF-LOCKING, 1/2-13 X 2 3/4	9409203	8	8	16	24
12	BEARING ASSY, TAPERED ROLLER, TIMKEN 558S-553X.	456635	2	2	4	10
18-19	NOT USED IN THIS GROUP.					
21-22	NOT USED IN THIS GROUP.					
28	SHAFT ASSY, CONVERTER OUTPUT	6758295	1		1	2
29	SPACER, CONVERTER OUTPUT SHAFT	6756689	1		1	2

CONTINUED ON NEXT PAGE

GROUP H CONT

TC-200 SERIES OUTPUT SHAFT
INDUSTRIAL SHAFT WITH EXTRA DUTY BEARINGS AND ACCESSORY DRIVE, FIGURE 2

SAME AS GROUP E, EXCEPT FOR PARTS LISTED BELOW.

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
30	HOUSING ASSY, BRNG	6756706	1			1
31	BUSHING	2222424	1	1	2	3

GROUP J

TC-200 SERIES OUTPUT SHAFT, INDUSTRIAL, SAE NO. 3 REAR DISCONNECT CLUTCH HOUSING, FIGURE 2

SAME AS GROUP D, EXCEPT FOR PARTS LISTED BELOW.

4	BEARING ASSY, SINGLE ROW BALL, ND 3307L1214A. . .	907050	1	1	2	5
39	SHAFT, TURBINE, ALSO ORDER BEARING 907050 WHEN REPLACING SHAFT 6758592, SEE SPI 499 . . .	6772735	1		1	2

GROUP K

TC-200 SERIES OUTPUT SHAFT, INDUSTRIAL SHAFT WITH ACCESSORY DRIVE, FIGURE 2

SAME AS GROUP E, EXCEPT FOR PARTS LISTED BELOW.

19	SHAFT ASSY, CONVERTER OUTPUT	6758124	1		1	2
----	--	---------	---	--	---	---

GROUP L

TC-200 SERIES OUTPUT SHAFT, INDUSTRIAL, FIGURE 2

SAME AS GROUP H, EXCEPT FOR PARTS LISTED BELOW.

18	NOT USED IN THIS GROUP.					
19	SHAFT ASSY, CONVERTER OUTPUT	6769908	1		1	2
20	GEAR, ACCESSORY DRV, 1.69 TO 1	6768426	1		1	2
23	GEAR, ACCESSORY DRVN, 1.69 TO 1	6768425	1		1	2
28	NOT USED IN THIS GROUP.					

GROUP M

TC-200 SERIES OUTPUT SHAFT
INDUSTRIAL SHAFT WITH ACCESSORY DRIVE AND BEVEL PINION MOUNTING, FIGURE 2

SAME AS GROUP E, EXCEPT FOR PARTS LISTED BELOW.

7	BOLT, HX HD, 1/2-13 X 2 1/2	9409055	8	8	16	24
33-34	NOT USED IN THIS GROUP.					

GROUP N

TC-200 SERIES OUTPUT SHAFT
INDUSTRIAL SHAFT WITH ACCESSORY DRIVE, FIGURE 2

SAME AS GROUP E, EXCEPT FOR PARTS LISTED BELOW.

19	SHAFT ASSY, CONVERTER OUTPUT	6772786	1		1	2
----	--	---------	---	--	---	---

GROUP P

TC-200 SERIES OUTPUT SHAFT, INDUSTRIAL
SAE NO. 2 REAR DISCONNECT CLUTCH HOUSING, FIGURE 2

SAME AS GROUP D, EXCEPT FOR PARTS LISTED BELOW.

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
4	BEARING ASSY, SINGLE ROW BALL, NO 3307L1214A . .	907050	1	1	2	5
39	SHAFT, TURBINE	6772735	1		1	2
40	HOUSING, SAE NO. 2 REAR DISCONNECT CLUTCH	6756913	1			1

GROUP Q

TC-200 SERIES OUTPUT SHAFT, INDUSTRIAL, FIGURE 2

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW

1	NOT USED IN THIS GROUP					
6	NOT USED IN THIS GROUP					
7	BOLT, HEX HD, 1/2-13 X 3	9409240	8	8	16	24
9-11	NOT USED IN THIS GROUP					
39	SHAFT, TURBINE	6772735	1		1	2
41	RETAINER, BEARING	6757737	1			1

TC-300 SERIES BASIC TORQMATIC CONVERTER SECTION

TO FIND DETAIL PARTS FOR YOUR ALLISON TORQMATIC CONVERTER, TURN TO
THE GROUP LISTED OPPOSITE THE ASSEMBLY PART NUMBER OF YOUR CONVERTER.

A/N*	MODEL	GROUP	A/N*	MODEL	GROUP
6755060	TC 324	A	6769971	TC 324	A
6755061	TC 325	A	6769973	TC 376	B
6755062	TCRD 326	A	6769974	TC 374	C
6755390	TCA 325	A	6770285	TC 337	D
6755395	TC 374	C	6770730	TC 335	D
6755396	TC 375	C	6772298	TCOA 377	E
6755397	TCA 375	C	6772535	TCOA 377	E
6755398	TCRD 376	C	6772882	TCOA 327	F
6756752	TC 327	A	6773943	TC 376	C
6756753	TCA 327	A	6774265	TC 374	G
6756754	TC 377	C	6774295	TC 376	H
6756755	TCA 377	C	6774942	TCRD 356	L
6756789	TCA 378	C	6774943	TC 374	M
6756914	TCRD 329	A	6774944	TC 375	M
6756937	TCRD 379	C	6774945	TCRD 376	M
6757844	TCRD 379	C	6774946	TCA 377	M
6757846	TC 374	C	6774947	TCRD 379	M
6758048	TCA 328	A	6774948	TC 378	M
6759137	TCA 378	C	6774949	TC 354	L
6759598	TCA 377	C	6774950	TC 374	M
6759643	TC 376	B	6774951	TCOA 377	N
6759657	TC 324	A	6774952	TCOA 377	N
6759658	TC 325	A	6774953	TCOA 357	P
6759659	TC 327	A	6774954	TC 374	Q
6759660	TCA 327	A	6774955	TC 376	R
6759661	TCA 325	A	6776068	TCOA 327	F
6759663	TCA 378	C	6777113	TCRD 379	C
6759664	TCRD 326	A	6777769	TC 355	L
6759666	TC 374	C	6778166	TC 377	M
6759667	TC 374	C	6778167	TCRD 359	S
6759668	TC 375	C	6778205	TC 357	L
6759669	TC 377	C	6778206	TCA 357	
6759672	TCA 377	C	6778373	TCORD 379	N
6759674	TCRD 376	C	6778889	TCA 377	M
6759676	TCRD 379	C	6778966	TCA 377	M
6759677	TCA 377	C	6779069	TCOA 377	N
6759706	TCA 377	C	6779796	TCA 375	M
6759730	TC 378	C	6831011	TCORD 356	P
6759741	TC 328	A	6832081	TCRD 379	M
6759759	TCRD 329	A	6832682	TCA 358	L
6759767	TCA 377	C	6832883	TCOA 357	P
6769539	TCA 327	A	6833593	TC 355	S
6769873	TC 328	A	6833671	TC 374	T
6769874	TCA 327	A	6834163	TCO 376	U
6769943	TCA 377	C	6834667	TCO 374	V
6769968	TCA 378	C	6835244	TCRD 356	S
6769969	TC 378	C	6835280	TC 377	T
6769970	TC 327	A			

* A/N* - ASSEMBLY NUMBER - FOUND ON YOUR TRANSMISSION NAMEPLATE

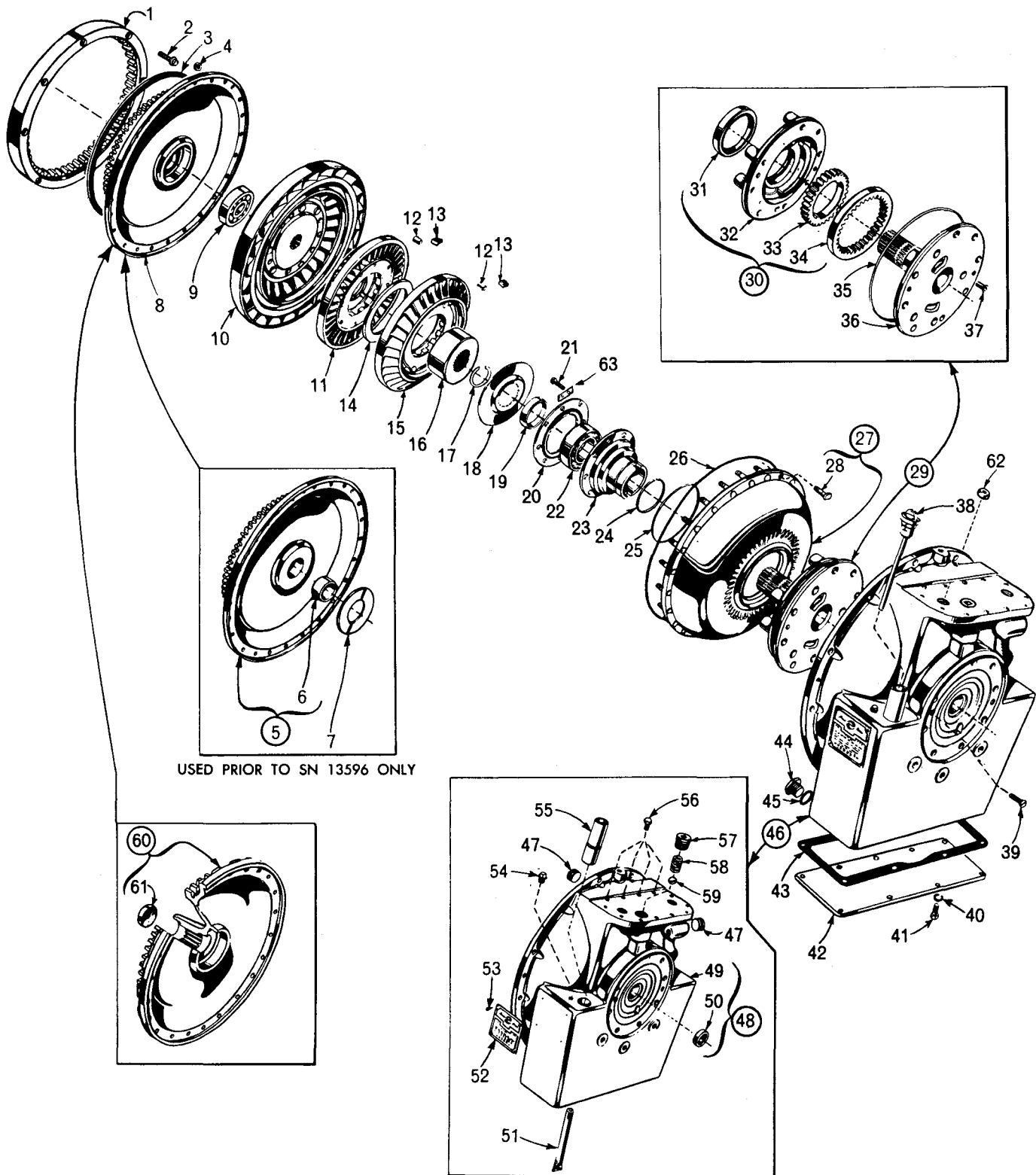


FIG. 3. TC 300 SERIES BASIC TORQMATIC CONVERTER

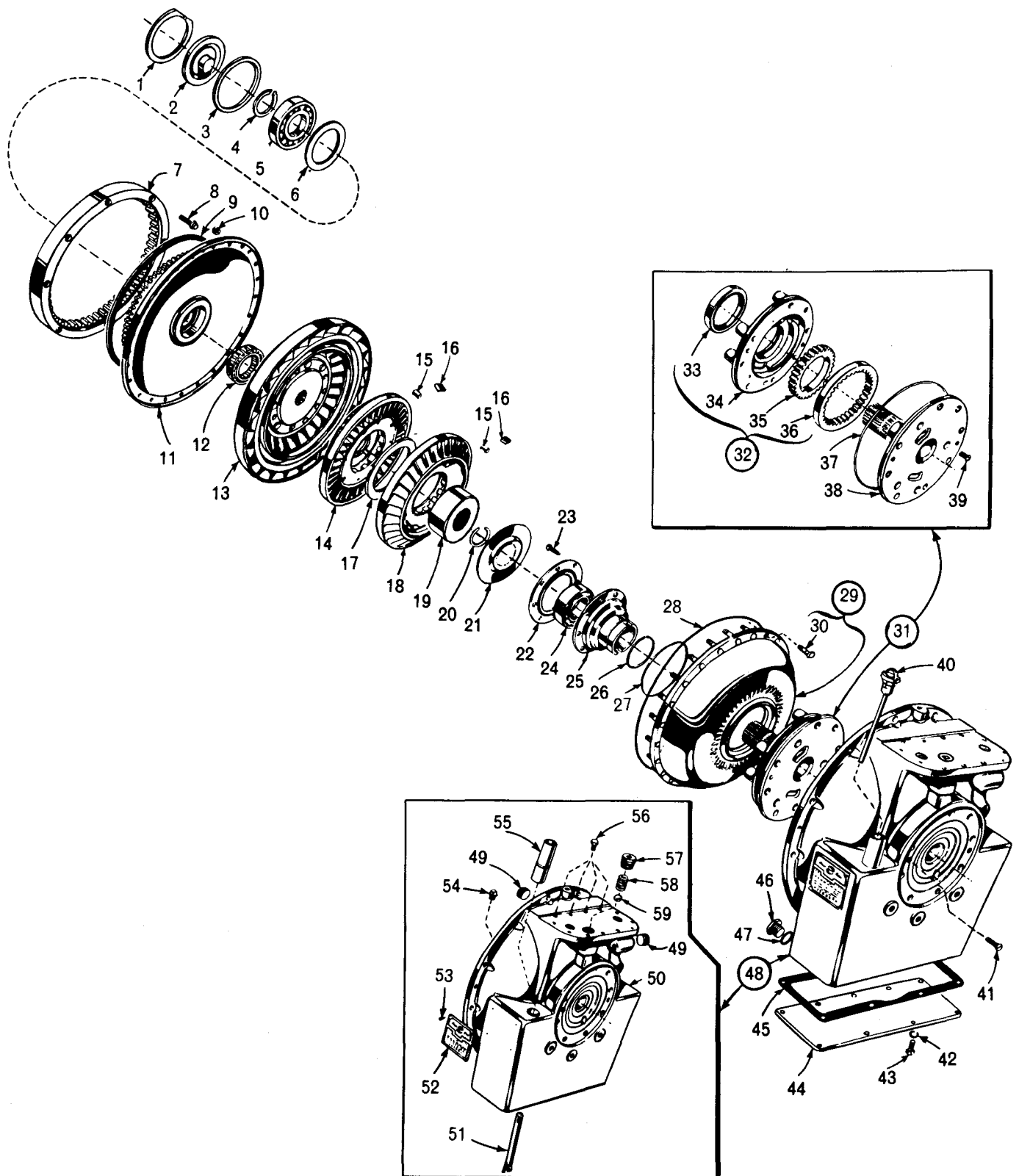


FIG. 3-1. TC 300 SERIES BASIC TORQMATIC CONVERTER, WITH OVERRUNNING CLUTCH

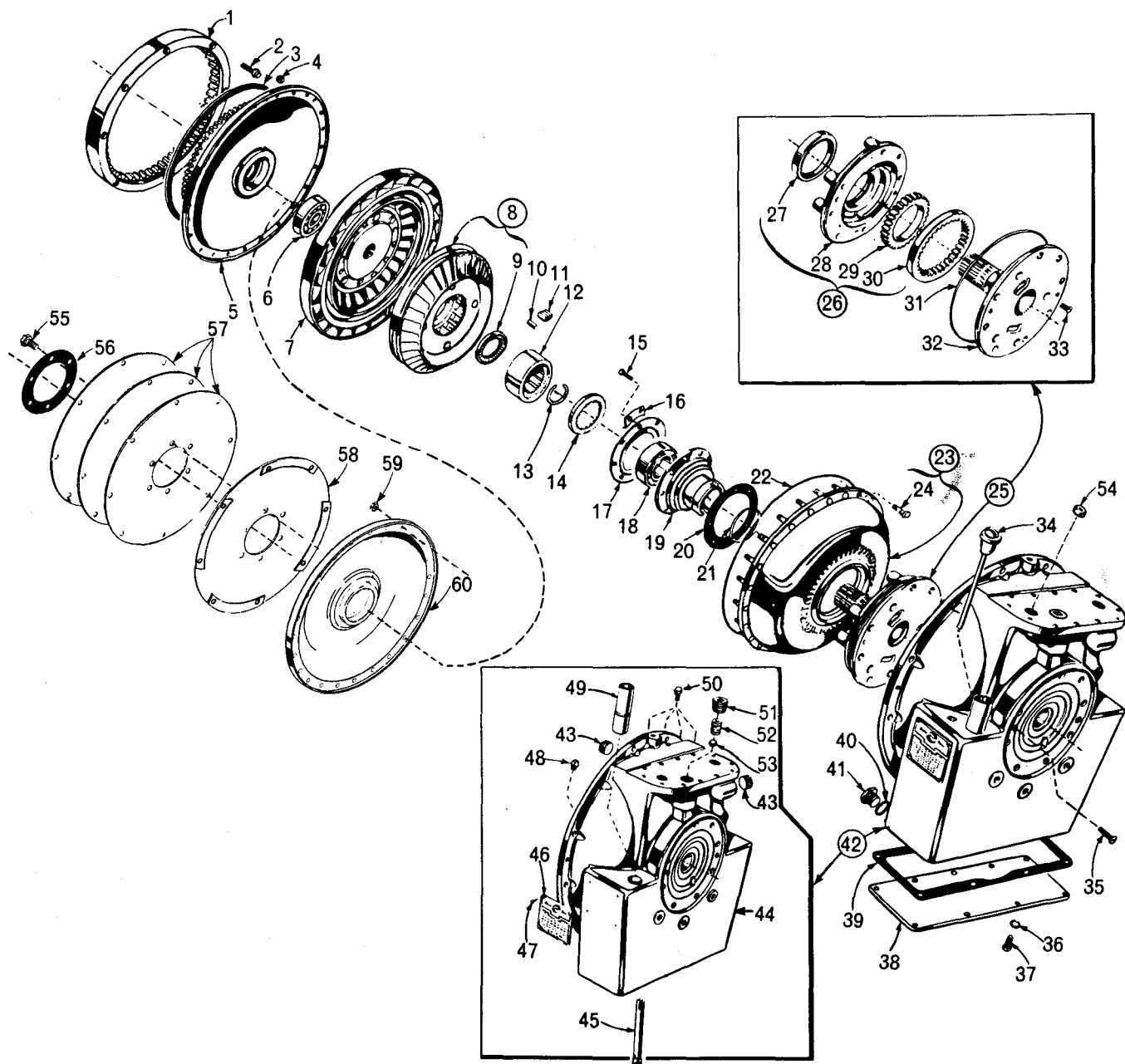
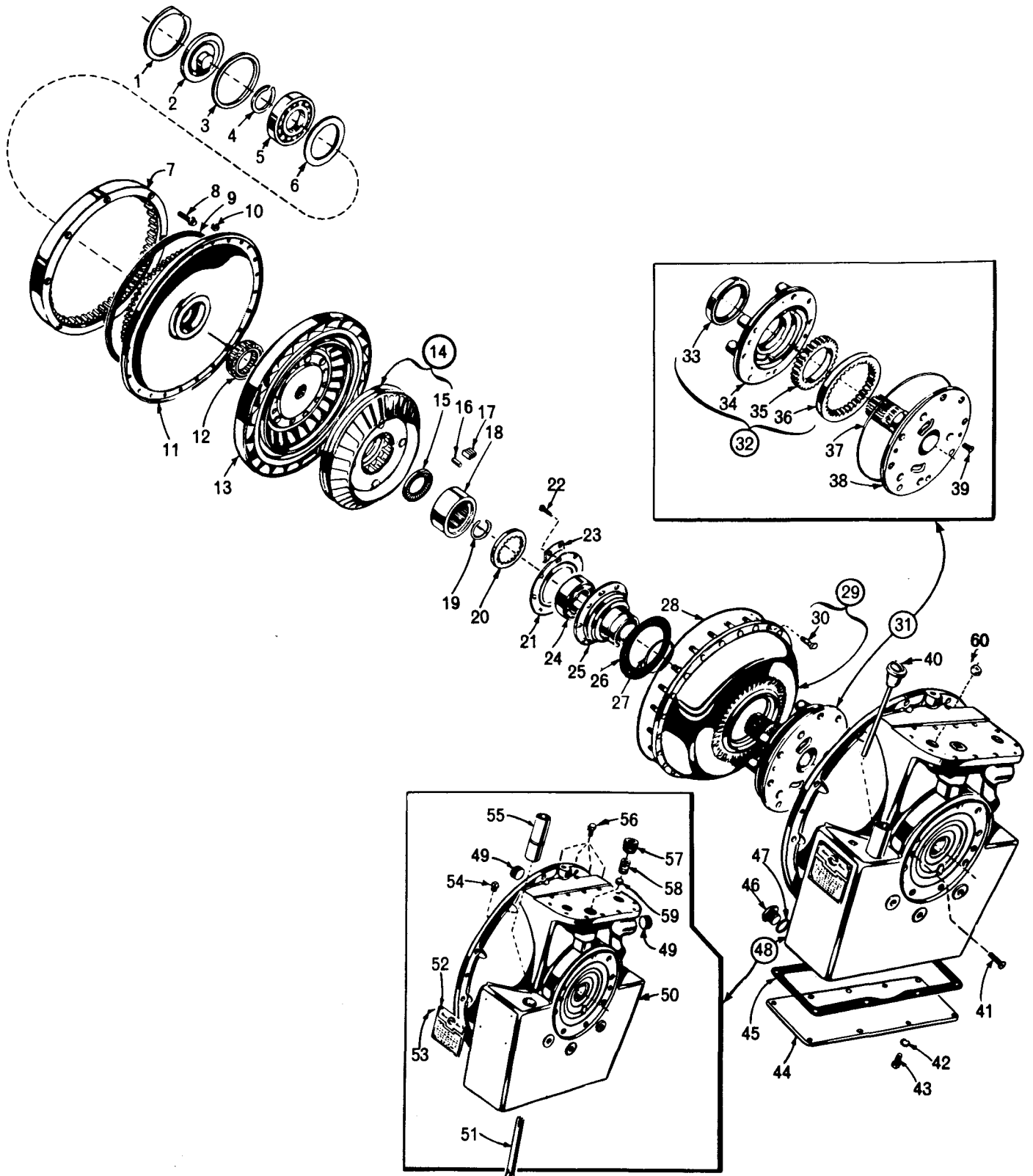


FIG. 3-2. TC 300 SERIES BASIC TORQMATIC CONVERTER



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FIG. 3-3. TC 300 SERIES BASIC TORQMATIC CONVERTER, WITH OVERRUNNING CLUTCH

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GROUP A

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
1	GEAR, RING, SEE SPI 351	6775414	1		1	2
2	BOLT, SPCL HEAD, 3/8-16 X 1 1/4, SEE SPI 351	9412270	8	8	16	24
3	RING, SEAL, SEE SPI 351	6769818	1	1	3	10
4	NUT, HX LOCK, 5/16-24	451006	24	24	72	240
5	COVER ASSY, CONVERTER PUMP, USE PRIOR TO S/N 13596, SEE SPI 224	6755325	1		1	2
6	BUSHING, USE PRIOR TO S/N 13596, SEE SPI 224	6754922	1	1	2	5
7	WASHER, TURBINE THRUST, USE PRIOR TO S/N 13596, SEE SPI 224	6755004	1	1	2	5
8	COVER, CONVERTER PUMP, USE 6772408 COVER STARTING WITH S/N 13596, SEE SPI 224	6772408	1		1	2
9	BEARING ASSY, SINGLE ROW BALL, ND 3208, USE 903208 BEARING STARTING WITH S/N 13596	903208	1	1	2	5
10	TURBINE ASSY, PRIOR TO S/N 13596 USE TURBINE 6755467	6769453	1		1	2
11	STATOR ASSY, FIRST	6768903	1		1	2
12	ROLLER, STATOR FREEWHEEL	7450737	16	16	32	64
13	SPRING, FREEWHEEL ROLLER	6771296	16	16	32	64
14	WASHER, SPACER, 4.62 OD X 3.5 ID X .22 WIDE	6754994	1	1	2	5
15	STATOR ASSY, SECOND	6768902	1		1	2
16	RACE, FREEWHEEL ROLLER	6755892	1		1	2
17	RING, EXTERNAL SNAP, 1.61 ID	6755897	1	1	2	5
18	SPACER, FREEWHEEL ROLLER RACE	6769856	1	1	2	5
19	SPACER, 2.00 OD X 1.81 ID X 0.493 WIDE, USED ONLY ON TRNS PRIOR TO S/N 7144	6755896	1		1	2
20	RETAINER, BRNG	6757634	1		1	2
21	BOLT, HX HD, SELF-LOCKING, 1/4-20 X 3/4 CLS 2	9409088	8	8	16	24
22	BEARING ASSY, DOUBLE ROW BALL, ND 45209 L1214A	907851	1	1	2	5
23	HUB, CONVERTER PUMP, SEE SPI 292	6768714	1		1	2
24	RING, HOOK TYPE SEAL, 2.906 DIA	6754488	1	1	3	10
25	RING, SEAL	6758296	1	1	3	10
26	RING, SEAL	6753866	1	1	3	10
27	PUMP ASSY, CONVERTER, TC 320 SERIES 3.5 TO 1 STALL TORQUE RATIO	6756847	1		1	2
28	BOLT, SPCL, 5/16-24 X 1.30	6755988	24	24	48	72
29	PUMP ASSY, CHARGING OIL, USE 6757621 PRIOR TO S/N 19085, SEE SPI 292	6768707	1			1
30	GEAR AND BODY ASSY, USE 6757086 PRIOR TO S/N 19085, SEE SPI 292	6768706	1		1	2
31	SEAL, 3.00 ID	6769816	1	1	3	10
32	BODY, OIL PUMP, USE 6768349 PRIOR TO S/N 19085, SEE SPI 292	6768704	* 1			
33	GEAR, OIL PUMP DRV	6768351	* 1			
34	GEAR, OIL PUMP DRVN	6768350	* 1			
35	RING, SEAL, 8.00 ID X 1/8 DIA	6702958	1	1	3	10
36	SLEEVE, CONVERTER GROUND	6769530	1		1	2
37	SCREW, FLAT HD, SLOTTED, 1/4-20 X 5/8	113989	3	3	6	9
38	INDICATOR, OIL LEVEL	6755786	1		1	2
39	SCREW, FLAT HD, 1/4-20 X 1 3/4	113998	2	2	4	6
40	WASHER, LOCK, 5/16	103320	9	9	18	27
41	BOLT, HX HD, 5/16-18 X 7/8 CLS 2	179817	9	9	18	27
42	PLATE, SUMP	6754495	1			1
43	GASKET, SUMP PLATE	6754490	1	1	3	10
44	PLUG, DRAIN	6701230	1	1	2	3
45	GASKET, ANNULAR	105456	1	1	3	10
46	HOUSING ASSY, CONVERTER, SEE SPI 136	6768956	1			1
47	PLUG, SQ SCKT HD, 3/4 NPT	444672	2		2	4
48	NOT USED IN THIS GROUP.					
49	HOUSING, CONVERTER	6768942	* 1			
50	NOT USED IN THIS GROUP.					
51	TUBE, OIL COOLER RETURN	6756693	1		1	2

CONTINUED ON NEXT PAGE

* SERVICED AS AN ASSY - NOT AS A DETAIL PART

GROUP A CONT

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
52	PLATE, TORQMATIC CONVERTER NAME	6832907	1		1	2
53	SCREW, RND HD DRV, NO. 4 X 1/4	145372	4		4	8
54	PLUG, PIPE, 1/4	444618	1	1	2	3
55	SLEEVE, OIL FILLER	6755789	1		1	2
56	BOLT, HX HD, 5/16-18 X 1/2, SEE SPI 196	179812	4	4	8	12
57	PLUG, SQ SCKT HD, PIPE, 1	444678	1	1	2	3
58	SPRING, TWO END COILS ARE WHITE	6758597	1	1	2	3
59	BALL	453621	1	1	2	3
60-63	NOT USED IN THIS GROUP.					

GROUP B

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

5-8	NOT USED IN THIS GROUP.					
9	BEARING ASSY, SINGLE ROW BALL, NO 3L11X1A	903011	1	1	2	5
10	TURBINE ASSY	6769060	1		1	2
11	STATOR ASSY, FIRST	6769105	1		1	2
16	RACE, FREEWHEEL ROLLER	6769048	1		1	2
17	RING, EXTERNAL SNAP	6758777	1	1	2	5
18	SPACER, FREEWHEEL ROLLER RACE	6769045	1	1	2	5
19	NOT USED IN THIS GROUP.					
20	NOT USED IN THIS GROUP.					
21	BOLT, HX HD, 1/4-20 X 5/8	179793	8	8	16	24
22	BEARING, SINGLE ROW BALL, NO 20212NO.1A	954466	1	1	2	5
23	HUB, CONVERTER PUMP	6769062	1		1	2
27	PUMP ASSY, CONVERTER, FOR TC 370 SERIES	6756001	1		1	2
	2.5 TO 1 STALL TORQUE RATIO					
29	PUMP ASSY, CHARGING OIL	6769061	1			1
36	SLEEVE	6769055	1		1	2
38	INDICATOR, OIL LEVEL, 16 IN. LENGTH,	6769621	1		1	2
	STARTING WITH S/N 22308 AND LATER USE SLEEVE 6769622 WITH INDICATOR 6769621					
38	INDICATOR, OIL LEVEL, 15 IN. LENGTH,	6769090	1		1	2
	PRIOR TO S/N 22308 ONLY, USE 6769090 INDICATOR WITH 6769089 SLEEVE					
46	HOUSING ASSY, CONVERTER	6769623	1			1
48	HOUSING ASSY, CONVERTER	6769073	1			
49	HOUSING, CONVERTER	6769054	1			
50	SLEEVE, CONVERTER HOUSING	6769052	1	1	2	4
55	SLEEVE, OIL FILLER, PRIOR TO S/N 22308 USE	6769622	1		1	2
	SLEEVE 6769089 WITH INDICATOR 6769090, STARTING WITH S/N 22308 AND LATER, USE SLEEVE 6769622 WITH INDICATOR 6769621					
60	COVER ASSY, CONVERTER PUMP	6769849	1		1	2
61	PLUG	6774572	1	1	2	3
63	LOCKSTRIP	6769053	4	4	8	20

GROUP C

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

27	PUMP ASSY, CONVERTER, FOR TC 370 SERIES	6756001	1		1	2
	2.5 TO 1 STALL TORQUE RATIO					

* SERVICED AS AN ASSY - NOT AS A DETAIL PART

GROUP D

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
11	STATOR ASSY, FIRST	6768727	1		1	2

GROUP E

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3-1
OVERRUNNING CLUTCH

1	RING, INTERNAL SNAP, 3.361 OD	6759926	1	1	2	5
2	COVER, BEARING	6772312	1	1	2	3
3	RING, SQUARE SECTION SEAL, 3.107 ID	6759906	1	1	3	10
4	RING, EXTERNAL SNAP	6702989	1	1	2	5
5	BEARING ASSY, SINGLE ROW BALL, NO 3L10X1A	903010	1	1	2	5
6	RETAINER, SPRAG	6772309	1	1	2	3
7	GEAR, RING	6775414	1		1	2
8	BOLT, SPCL HD, 3/8-16 X 1 1/4, SEE SPI 351	9412270	8	8	16	24
9	RING, SEAL, SEE SPI 351	6769818	1	1	3	10
10	NUT, HX LOCK, 5/16-24	451006	24	24	72	240
11	COVER, CONVERTER PUMP	6772301	1		1	2
12	SPRAG ASSY	8618363	1	1	2	4
13	TURBINE ASSY	6772310	1		1	2
14	STATOR ASSY, FIRST	6768903	1		1	2
15	ROLLER, STATOR FREEWHEEL	7450737	16	16	32	64
16	SPRING, FREEWHEEL ROLLER	6771296	16	16	32	64
17	WASHER, SPACER, 4.62 OD X 3.51 ID X .22 WIDE	6754994	1	1	2	5
18	STATOR ASSY, SECOND	6768902	1		1	2
19	RACE, FREEWHEEL ROLLER	6755892	1		1	2
20	RING, EXTERNAL SNAP, 1.61 ID	6755897	1	1	2	5
21	SPACER, FREEWHEEL ROLLER RACE	6769856	1	1	2	5
22	RETAINER, BEARING	6757634	1		1	2
23	BOLT, HX HD, SELF-LOCKING, 1/4-20 X 3/4, CLS 2	9409088	8	8	16	24
24	BEARING ASSY, DOUBLE ROW BALL, NO 45209L1214A	907851	1	1	2	5
25	HUB, CONVERTER PUMP	6768714	1		1	2
26	RING, HOOK TYPE SEAL, 2.906 DIA	6754488	1	1	3	10
27	RING, SEAL	6758296	1	1	3	10
28	RING, SEAL	6753866	1	1	3	10
29	PUMP ASSY, CONVERTER, FOR TC 370 SERIES	6756001	1		1	2
	2.5 TO 1 STALL TORQUE RATIO					
30	BOLT, SPECIAL, 5/16-24 X 1.30	6755988	24	24	48	72
31	PUMP ASSY, CHARGING OIL	6768707	1			1
32	GEAR AND BODY ASSY	6768706	1		1	2
33	SEAL, 3.00 ID	6769816	1	1	3	10
34	BODY, OIL PUMP	6768704	*	1		
35	GEAR, OIL PUMP DRIVE	6768351	*	1		
36	GEAR, OIL PUMP DRIVEN	6768350	*	1		
37	RING, SEAL, 8.00 ID X 1/8 DIA	6702958	1	1	3	10
38	SLEEVE, CONVERTER GROUND	6769530	1		1	2
39	SCREW, FLAT HEAD, SLOTTED, 1/4-20 X 5/8	113989	3	3	6	9
40	INDICATOR, OIL LEVEL	6755786	1		1	2
41	SCREW, FLAT HEAD, 1/4-20 X 1 3/4	113998	2	2	4	6
42	WASHER, LOCK, 5/16	103320	9	9	18	27
43	BOLT, HX HD, 5/16-18 X 7/8, CLS 2	179817	9	9	18	27
44	PLATE, SUMP	6754495	1			1
45	GASKET, SUMP PLATE	6754490	1	1	3	10
46	PLUG, DRAIN	6701230	1	1	2	3
47	GASKET, ANNULAR	105456	1	1	3	10
48	HOUSING ASSY, CONVERTER	6768956	1			1

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* SERVICED AS AN ASSY - NOT AS A DETAIL PART

GROUP E CONT

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3-1
OVERRUNNING CLUTCH

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
49	PLUG, SQUARE SOCKET HEAD, 3/4 NPT	444672	2		2	4
50	HOUSING, CONVERTER	6768942 *	1			
51	TUBE, OIL COOLER RETURN	6756693	1		1	2
52	PLATE, TORQMATIC CONVERTER NAME	6832907	1		1	2
53	SCREW, ROUND HD DRV, NO. 4 X 1/4	145372	4		4	8
54	PLUG, PIPE, 1/4	444618	1	1	2	3
55	SLEEVE, OIL FILLER	6755789	1		1	2
56	BOLT, HX HD, 5/16-18 X 1/2 SEE SPI 196	179812	4	4	8	12
57	PLUG, SQUARE SOCKET HEAD, PIPE, 1 INCH	444678	1	1	2	3
58	SPRING	6758597	1	1	2	3
59	BALL	453621	1	1	2	3

GROUP F

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3-1
OVERRUNNING CLUTCH

SAME AS GROUP E, EXCEPT FOR PARTS LISTED BELOW.

29	PUMP ASSY, CONVERTER, TC 320 SERIES 3.5 TO 1	6756847	1		1	2
	STALL TORQUE RATIO					
30	BOLT, SPECIAL, 5/16-24 X 1.30	6755988	24	24	48	72

GROUP G

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

27	PUMP ASSY, CONVERTER, FOR TC 370 SERIES 2.5 TO 1	6756001	1		1	2
	STALL TORQUE RATIO					
38	INDICATOR, OIL LEVEL	6769621	1		1	2
46	HOUSING ASSY, CONVERTER	6774266	1			1
55	SLEEVE, OIL FILLER	6769622	1		1	2

GROUP H

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

27	PUMP ASSY, CONVERTER, FOR TC 370 SERIES 2.5 TO 1	6756001	1		1	2
	STALL TORQUE RATIO					
38	INDICATOR, OIL LEVEL	6769621	1		1	2
46	HOUSING ASSY, CONVERTER	6774266	1			1
55	SLEEVE, OIL FILLER	6769622	1		1	2
62	PLUG, ORIFICE	6756659	1		1	2

GROUP J

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

27	PUMP ASSY, CONVERTER, FOR TC 370 SERIES 2.5 TO 1	6756001	1		1	2
	STALL TORQUE RATIO					

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* SERVICED AS AN ASSY - NOT AS A DETAIL PART

GROUP J CONT

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
38	INDICATOR, OIL LEVEL	6769621	1		1	2
55	SLEEVE, OIL FILLER	6769622	1		1	2

GROUP K

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3-1
OVERRUNNING CLUTCH

SAME AS GROUP E, EXCEPT FOR PARTS LISTED BELOW.

40	INDICATOR, OIL LEVER	6769621	1		1	2
55	SLEEVE, OIL FILLER	6769622	1		1	2

GROUP L

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3-2

1	GEAR, RING	6775414	1		1	2
2	BOLT, SPCL. HEAD 3/8-16 X 1 1/4	9412270	8	8	16	24
3	RING, SEAL	6769818	1	1	3	10
4	NUT, HX LOCK, 5/16-24	451006	24	24	72	240
5	COVER, CONVERTER PUMP	6830464	1		1	2
6	BEARING, ND 3L10 X R1A	903010	1	1	2	5
7	TURBINE ASSY	6774622	1		1	2
8	STATOR ASSY	6774962	1		1	2
9	BEARING, THRUST TORRINGTON FB 29009	9417499	1	1	2	5
10	ROLLER, STATOR FREEWHEEL	6774968	10	10	20	40
11	SPRING, FREEWHEEL ROLLER	6774966	10	10	20	40
12	RACE, FREEWHEEL	6774847	1		1	2
13	RING, EXTERNAL SNAP, 1.61 ID	6755897	1	1	2	5
14	SPACER, FREEWHEEL ROLLER RACE	6774620	1		1	2
15	BOLT, HX HD, 1/4-20 X 3/8	6773679	8	8	16	24
16	TAB, LOCKING	6769631	4	4	12	40
17	RETAINER, BEARING	6769491	1		1	2
18	BEARING, DOUBLE ROW BALL, MRC 5211K	9420046	1	1	2	5
19	HUB, CONVERTER PUMP	6774621	1		1	2
20	GASKET	6759971	1	1	3	10
21	RING, HOOK TYPE SEAL, 2.906 DIA	6754488	1	1	3	10
22	RING, SEAL	6753866	1	1	3	10
23	PUMP ASSY, CONVERTER, FOR 350 SERIES	6759974	1		1	2
24	BOLT, SPCL, 5/16-24 X 1.30	6755988	24	24	48	72
25	PUMP ASSY, CHARGING OIL	6774794	1			1
26	GEAR AND BODY ASSY	6768706	1		1	2
27	SEAL, 3.00 ID	6769816	1	1	3	10
28	BODY, OIL PUMP	6768704	*			
29	GEAR, OIL PUMP DRIVE	6768351	*			
30	GEAR, OIL PUMP DRIVEN	6768350	*			
31	RING, SEAL, 8.00 ID X 1/8 DIA	6702958	1	1	3	10
32	SLEEVE, CONVERTER GROUND	6774626	1		1	2
33	SCREW, FLAT HD, SLOTTED, 1/4-20 X 5/8	113989	3	3	6	9
34	INDICATOR, OIL LEVEL	6755786	1		1	2
35	SCREW, FLAT HD, 1/4-20 X 1 3/4	113998	2	2	4	6
36	WASHER, LOCK, 5/16	103320	9	9	18	27
37	BOLT, HX HD, 5/16-18 X 7/8 CLS 2	179817	9	9	18	27
38	PLATE, SUMP	6754495	1			1

CONTINUED ON NEXT PAGE

* SERVICED AS AN ASSY - NOT AS A DETAIL PART

GROUP L CONT

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3-2

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
39	GASKET, SUMP PLATE	6754490	1	1	3	10
40	PLUG, DRAIN	6701230	1	1	2	3
41	GASKET, ANNULAR	105456	1	1	3	10
42	HOUSING ASSY, CONVERTER	6768956	1			1
43	PLUG, SQ SCKT HD, 3/4 NPT	444672	2		2	4
44	HOUSING, CONVERTER	6768942 *	1			
45	TUBE, OIL COOLER RETURN	6756693	1		1	2
46	PLATE, TORQMATIC CONVERTER NAME	6832907	1		1	2
47	SCREW, RND HD, DRV, NO. 4 X 1/4	145372	4		4	8
48	PLUG, PIPE, 1/4	444618	1	1	2	3
49	SLEEVE, OIL FILLER	6755789	1		1	2
50	BOLT, HX HD, 5/16-18 X 1/2, SEE SPI 196	179812	4	4	8	12
51	PLUG, SQ SCKT HD PIPE, 1	444678	1	1	2	3
52	SPRING, TWO END COILS ARE WHITE	6758597	1	1	2	3
53	BALL	453621	1	1	2	3
54-60	NOT USED IN THIS GROUP.					

GROUP M

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3-2

SAME AS GROUP L, EXCEPT FOR PARTS LISTED BELOW.

23	PUMP ASSY, CONVERTER, TC 370 SERIES	6770538	1		1	2
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GROUP N

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3-3
OVERRUNNING CLUTCH

1	RING, INTERNAL SNAP, 3.361 OD	6759926	1	1	2	5
2	COVER, BEARING	6772312	1	1	2	3
3	RING, SQ SECTION SEAL, 3.107 ID	6759906	1	1	3	10
4	RING, EXTERNAL SNAP	6702989	1	1	2	5
5	BEARING ASSY, SINGLE ROW BALL, ND 3L10X1A	903010	1	1	2	5
6	RETAINER, SPRAG	6772309	1	1	2	3
7	GEAR, RING	6775414	1		1	2
8	BOLT, SPCL HD, 3/8-16 X 1 1/4	9412270	8	8	16	24
9	RING, SEAL	6769818	1	1	3	10
10	NUT, HX LOCK, 5/16-24	451006	24	24	72	240
11	COVER, CONVERTER PUMP	6772301	1		1	2
12	SPRAG ASSY	8618363	1	1	2	3
13	TURBINE ASSY	6774816	1		1	2
14	STATOR ASSY	6774962	1		1	2
15	BEARING, THRUST, TORRINGTON, FB 29009	9417499	1	1	2	5
16	ROLLER, STATOR FREEWHEEL	6774968	10	10	20	40
17	SPRING, FREEWHEEL ROLLER	6774966	10	10	20	40
18	RACE, FREEWHEEL	6774847	1		1	2
19	RING, EXTERNAL SNAP	6755897	1	1	2	5
20	SPACER, FREEWHEEL ROLLER RACE	6774620	1		1	2
21	RETAINER, BEARING	6769491	1		1	2
22	BOLT, HX HD, 1/4-20 X 5/8	6773679	8	8	16	24
23	TAB, LOCKING	6779631	4	4	12	40
24	BEARING, DOUBLE ROW BALL, MRC 5211K	9420046	1	1	2	5
25	HUB, CONVERTER PUMP	6774621	1		1	2
26	GASKET	6759971	1	1	3	10
27	RING, HOOK TYPE SEAL, 2.906 DIA	6754488	1	1	3	10

CONTINUED ON NEXT PAGE

* SERVICED AS AN ASSY - NOT AS A DETAIL PART

GROUP N CONT

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3-3
OVERRUNNING CLUTCH

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
28	RING, SEAL	6753866	1	1	3	10
29	PUMP ASSY, CONVERTER, FOR TC 370 SERIES	6770538	1		1	2
30	BOLT, SPECIAL, 5/16-24 X 1.30	6755988	24	24	48	72
31	PUMP ASSY, CHARGING OIL	6774794	1			1
32	GEAR AND BODY ASSY	6768706	1		1	2
33	SEAL, 3.00 ID	6769816	1	1	3	10
34	BODY, OIL PUMP	6768704	* 1			
35	GEAR, OIL PUMP DRIVE	6768351	* 1			
36	GEAR, OIL PUMP DRIVEN	6768350	* 1			
37	RING, SEAL, 8.00 ID X 1/8 DIA	6702958	1	1	3	10
38	SLEEVE, CONVERTER GROUND	6774626	1		1	2
39	SCREW, FLAT HD, SLOTTED, 1/4-20 X 5/8	113989	3	3	6	9
40	INDICATOR, OIL LEVEL	6755786	1		1	2
41	SCREW, FLAT HD, 1/4-20 X 1 3/4	113998	2	2	4	6
42	WASHER, LOCK, 5/16	103320	9	9	18	27
43	BOLT, HX HD, 5/16-18 X 7/8, CLS 2	179817	9	9	18	27
44	PLATE, SUMP	6754495	1			1
45	GASKET, SUMP PLATE	6754490	1	1	3	10
46	PLUG, DRAIN	6701230	1	1	2	3
47	GASKET, ANNULAR	105456	1	1	3	10
48	HOUSING ASSY, CONVERTER	6768956	1			1
49	PLUG, SQ SOCKET HD, 3/4 NPT	444672	2		2	4
50	HOUSING, CONVERTER	6768942	* 1			
51	TUBE, OIL COOLER RETURN	6756693	1		1	2
52	PLATE, TORQMATIC CONVERTER NAME	6832907	1		1	2
53	SCREW, RD HD DRV, NO. 4 X 1/4	145372	4		4	8
54	PLUG, PIPE, 1/4	444618	1	1	2	3
55	SLEEVE, OIL FILLER	6755789	1		1	2
56	BOLT, HX HD, 5/16-18 X 1/2, SEE SPI 196	179812	4	4	8	12
57	PLUG, SQ SOCKET HD, PIPE, 1 IN	444678	1	1	2	3
58	SPRING	6758597	1	1	2	3
59	BALL	453621	1	1	2	3
60	NOT USED IN THIS GROUP					

GROUP P

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3-3
OVERRUNNING CLUTCH

SAME AS GROUP N, EXCEPT FOR PARTS LISTED BELOW.

29	PUMP ASSY, CONVERTER, FOR TC 350 SERIES	6759974	1		1	2
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GROUP Q

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3-2

SAME AS GROUP L, EXCEPT FOR PARTS LISTED BELOW.

23	PUMP ASSY, CONVERTER, FOR TC 370 SERIES	6770538	1		1	2
34	INDICATOR, OIL LEVEL	6769621	1		1	2
42	HOUSING ASSY, CONVERTER	6774266	1			1
49	SLEEVE, OIL FILLER	6769622	1		1	2

* SERVICED AS AN ASSY - NOT AS A DETAIL PART

GROUP R

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3-2

SAME AS GROUP L, EXCEPT FOR PARTS LISTED BELOW.

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
23	PUMP ASSY, CONVERTER, TC 370 SERIES	6770538	1		1	2
34	INDICATOR, OIL LEVEL	6769621	1		1	2
42	HOUSING ASSY, CONVERTER	6774266	1			1
49	SLEEVE, OIL FILLER	6769622	1		1	2
54	PLUG, ORIFICE	6756659	1		1	2

GROUP S

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3-2

SAME AS GROUP L, EXCEPT FOR PARTS LISTED BELOW.

1-5	NOT USED IN THIS GROUP.					
7	TURBINE ASSY	6774622	1		1	2
55	BOLT, HX HD, 1/2-13 X 7/8	9409052	6	6	12	18
56	PLATE, FLEX DISK	6774012	1	1	2	3
57	DISK, FLEXIBLE	6777448	3	3	6	9
58	DISK AND WASHER ASSY, FLEXIBLE	6777449	1	1	2	3
59	NUT, HX, 5/16-24	451006	24	24	72	240
60	COVER, TORQUE CONVERTER	6774008	1		1	2

GROUP T

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3-2

SAME AS GROUP L, EXCEPT FOR PARTS LISTED BELOW.

1-5	NOT USED IN THIS GROUP					
23	PUMP ASSY, CONVERTER, FOR 370 SERIES	6779599	1		1	2
55	BOLT, HX HD, 1/2-13 X 1	9409258	6	6	12	18
56	PLATE, FLEX DISK	6774012	1	1	2	3
57	DISK, FLEXIBLE	6777448	3	3	6	9
58	DISK AND WASHER ASSY, FLEXIBLE	6777449	1	1	2	3
59	NUT, HX, 5/16-24	451006	24	24	72	240
60	COVER, TORQUE CONVERTER	6774008	1		1	2

GROUP U

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3-3
OVERRUNNING CLUTCH

SAME AS GROUP N, EXCEPT FOR PARTS LISTED BELOW

40	INDICATOR, OIL LEVEL	6769621	1		1	2
48	HOUSING ASSY, CONVERTER	6774266	1			1
55	SLEEVE, OIL FILLER	6769622	1		1	2
60	PLUG, ORIFICE	6756695	1		1	2

GROUP V

TC-300 SERIES BASIC TORQMATIC CONVERTER, FIGURE 3-3
OVERRUNNING CLUTCH

SAME AS GROUP N, EXCEPT FOR PARTS LISTED BELOW

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
40	INDICATOR, OIL LEVEL	6769621	1		1	2
48	HOUSING ASSY, CONVERTER	6774266	1			1
55	SLEEVE, OIL FILLER	6769622	1		1	2

TC-300 SERIES BASIC TORQMATIC CONVERTER OUTPUT SHAFTS SECTION

TO FIND DETAIL PARTS FOR YOUR ALLISON TORQMATIC CONVERTER, TURN TO THE GROUP LISTED OPPOSITE THE ASSEMBLY PART NUMBER OF YOUR CONVERTER.

A/N*	MODEL	GROUP	A/N*	MODEL	GROUP
6755060	TC 324	L	6769971	TC 324	L
6755061	TC 325	C	6769973	TC 376	P
6755062	TCRD 326	A	6769974	TC 374	M
6755390	TCA 325	G	6770285	TC 337	D
6755395	TC 374	L	6770730	TC 335	C
6755396	TC 375	C	6772298	TCOA 377	H
6755397	TCA 375	G	6772535	TCOA 377	K
6755398	TCRD 376	A	6772882	TCOA 327	H
6756752	TC 327	D	6773943	TC 376	R
6756753	TCA 327	H	6774265	TC 374	L
6756754	TC 377	D	6774295	TC 376	Q
6756755	TCA 377	H	6774942	TCRD 356	A
6756789	TC 378	E	6774943	TC 374	L
6756914	TCRD 329	B	6774944	TC 375	C
6756937	TCRD 379	B	6774945	TCRD 376	A
6757844	TCRD 379	B	6774946	TCA 377	H
6757846	TC 374	M	6774947	TCRD 379	B
6758048	TC 328	J	6774948	TC 378	E
6759137	TCA 378	K	6774949	TC 354	L
6759598	TCA 377	K	6774950	TC 374	M
6759643	TC 376	P	6774951	TCOA 377	H
6759657	TC 324	L	6774952	TCOA 377	K
6759658	TC 325	C	6774953	TCOA 357	H
6759659	TC 327	D	6774954	TC 374	L
6759660	TCA 328	J	6774955	TC 376	Q
6759661	TCA 325	G	6776068	TCOA 327	N
6759663	TCA 378	J	6777113	TCRD 379	S
6759664	TCRD 326	A	6777769	TC 355	C
6759666	TC 374	M	6778166	TC 377	D
6759667	TC 374	L	6778167	TCRD 359	B
6759668	TC 375	C	6778205	TC 357	D
6759669	TC 377	D	6778206	TCA 357	H
6759672	TCA 377	H	6778373	TCORD 379	B
6759674	TCRD 376	A	6778889	TCA 377	K
6759676	TCRD 379	B	6778966	TCA 377	N
6759677	TCA 377	K	6779069	TCOA 377	N
6759706	TCA 377	N	6779796	TCA 375	G
6759730	TC 378	E	6831011	TCORD 356	A
6759741	TC 328	E	6832081	TCRD 359	T
6759759	TCRD 329	B	6832682	TCA 358	U
6759767	TCA 377	N	6832883	TCOA 357	K
6769539	TCA 327	H	6833593	TC 355	C
6769873	TC 328	E	6833671	TC 374	L
6769874	TCA 327	H	6834163	TCO 376	Q
6769943	TCA 377	N	6834667	TCO 374	L
6769968	TCA 378	J	6835244	TCRD 356	A
6769969	TC 378	E	6835280	TC 377	D
6769970	TC 327	D			

* A/N* - ASSEMBLY NUMBER - FOUND ON YOUR TRANSMISSION NAMEPLATE

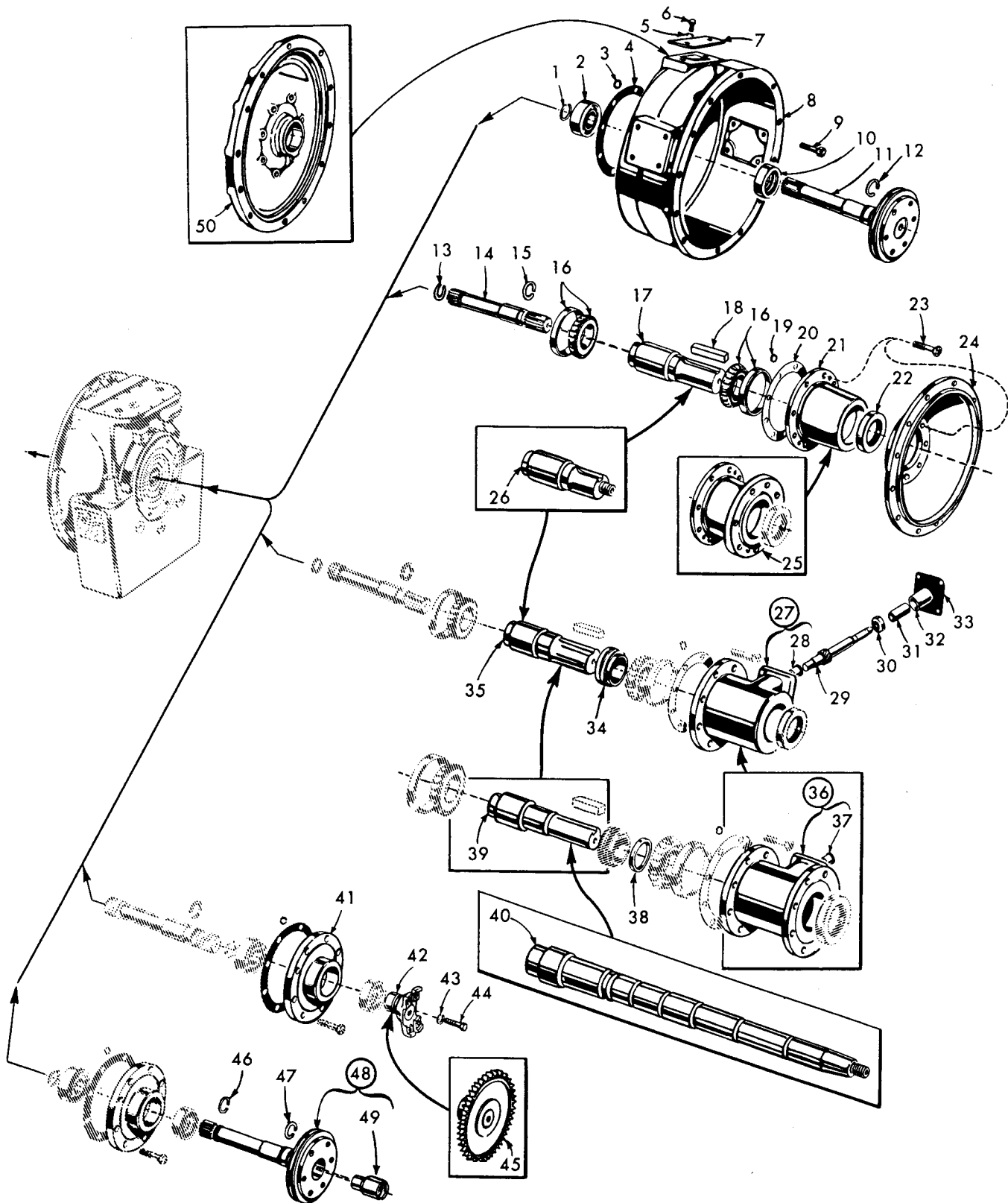


FIG. 4. TC 300 SERIES BASIC TORQMATIC CONVERTER OUTPUT SHAFTS

GROUP A

TC-300 SERIES OUTPUT SHAFT
SAE NO. 3 REAR DISCONNECT CLUTCH HOUSING, FIGURE 4

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
1	RING, EXTERNAL SNAP, 1.250 ID	6750046	1	1	3	10
2	BEARING ASSY, SINGLE ROW BALL, ND 3307L1214A . .	907050	1	1	2	5
3	RING, SEAL, .487 ID X .103	6763013	8	8	24	80
4	GASKET, BRNG RTNR	6753966	1	1	3	10
5	WASHER, LOCK, 3/8	103321	2	2	4	6
6	BOLT, HX HD, 3/8-16 X 3/4	179837	2	2	4	6
7	SHIELD, DUST	6757426	1			1
8	HOUSING, SAE NO. 3 REAR DISCONNECT CLUTCH	6754349	1			1
9	BOLT, HX HD, SELF-LOCKING, 1/2-13 X 2 3/4, CLS 2	9409203	8	8	16	24
10	SEAL, OIL, 2.750 X 1.75 ID X .75 THICK	6773249	1	1	3	10
11	SHAFT, TURBINE, WHEN REPLACING SHAFT 6759948 . .	6772734	1		1	2
	ALSO ORDER BEARING 907050, SEE SPI 499					
12	RING, HOOK TYPE SEAL, 1.406 BORE	6751839	1	1	3	10
13-50	NOT USED IN THIS GROUP.					

GROUP B

TC-300 SERIES OUTPUT SHAFT
SAE NO. 2 REAR DISCONNECT CLUTCH HOUSING, FIGURE 4

SAME AS GROUP A EXCEPT FOR PARTS LISTED BELOW.

8	HOUSING, SAE NO. 2 REAR DISCONNECT CLUTCH	6756913	1			1
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GROUP C

TC-300 SERIES OUTPUT SHAFT, INDUSTRIAL SHAFT, FIGURE 4

1-12	NOT USED IN THIS GROUP.					
13	RING, EXTERNAL SNAP, 1.10 ID	6755903	1	1	3	10
14	SHAFT, TURBINE	6759947	1		1	2
15	RING, HOOK TYPE SEAL, 1.406 BORE	6751839	1	1	3	10
16	BEARING ASSY, TAPERED ROLLER, TIMKEN 397-394RS .	9422228	2	2	4	10
17	SHAFT ASSY, CONVERTER OUTPUT	6755031	1		1	2
18	KEY, 5/8 X 5/8 X 3	6751531	1	1	2	4
19	RING, SEAL, .487 ID X .103	6763013	8	8	24	80
20	SHIM, BRNG HSNG, .003	6833225	AR	2	6	15
20	SHIM, BRNG HSNG, .010	6833226	AR	2	6	15
21	HOUSING, BRNG	6754508	1			1
22	SEAL, OIL, 3.378 OD X 2.35 ID X .483 WIDE	6754506	1	1	3	10
23	BOLT, HX HD, SELF-LOCKING, 1/2-13 X 3.00, CLS 2 .	9409203	8	8	16	24
24-50	NOT USED IN THIS GROUP.					

GROUP D

TC-300 SERIES OUTPUT SHAFT
INDUSTRIAL SHAFT WITH EXTRA DUTY BEARINGS, FIGURE 4

SAME AS GROUP C, EXCEPT FOR PARTS LISTED BELOW.

16	BEARING ASSY, TAPERED ROLLER, TIMKEN 558S-553X .	456635	2	2	4	10
17	SHAFT ASSY, CONVERTER OUTPUT	6756869	1		1	2
21	NOT USED IN THIS GROUP.					
25	HOUSING, BRNG	6756865	1			1

GROUP E

TC-300 SERIES OUTPUT SHAFT
INDUSTRIAL SHAFT WITH BEVEL PINION MOUNTING, FIGURE 4

SAME AS GROUP C, EXCEPT FOR PARTS LISTED BELOW.

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
15	RING, HOOK TYPE SEAL	3689838	1	1	3	10
17	NOT USED IN THIS GROUP.					
18	NOT USED IN THIS GROUP.					
23	BOLT, HX HD, SELF-LOCKING, 1/2-13 X 2 1/2, CLS 2	9409203	8	8	16	24
26	SHAFT ASSY, CONVERTER OUTPUT	6756946	1		1	2

GROUP F

TC-300 SERIES OUTPUT SHAFT
INDUSTRIAL SHAFT WITH BEVEL PINION MOUNTING, FIGURE 4

SAME AS GROUP C, EXCEPT FOR PARTS LISTED BELOW.

13	NOT USED IN THIS GROUP.					
17	NOT USED IN THIS GROUP.					
23	BOLT, HX HD, 1/2-13 X 3 1/4	9409227	8	8	16	24
24	PLATE, TRNS ADPTR	6756947	1			1
26	SHAFT ASSY, CONVERTER OUTPUT	6756946	1		1	2

GROUP G

TC-300 SERIES OUTPUT SHAFT, INDUSTRIAL SHAFT WITH ACCESSORY DRIVE, FIGURE 4

SAME AS GROUP C, EXCEPT FOR PARTS LISTED BELOW.

17	NOT USED IN THIS GROUP.					
21	NOT USED IN THIS GROUP.					
27	HOUSING ASSY, BRNG	6755377	1			1
28	BUSHING	2222424	1	1	2	3
29	GEAR, ACCESSORY DRVN, 2.5 TO 1	6755618	1		1	2
30	BEARING ASSY, SINGLE ROW BALL, ND 3202NR1214A . .	907411	1	1	2	5
31	SLEEVE, ACCESSORY DRV	3224085	1		1	2
32	SPACER, 1.38 OD X .06 WALL X 2.16	6751524	1		1	2
33	GASKET	3224773	1	1	3	10
34	GEAR, ACCESSORY DRV, 2.5 TO 1	6755619	1		1	2
35	SHAFT ASSY, CONVERTER OUTPUT	6755380	1		1	2

GROUP H

TC-300 SERIES OUTPUT SHAFT
INDUSTRIAL SHAFT WITH EXTRA DUTY BEARINGS AND ACCESSORY DRIVE, FIGURE 4

SAME AS GROUP G, EXCEPT FOR PARTS LISTED BELOW.

16	BEARING ASSY, TAPERED ROLLER, TIMKEN 558S-553X .	456635	2	2	4	10
27-28	NOT USED IN THIS GROUP.					
35	NOT USED IN THIS GROUP.					
36	HOUSING ASSY, BRNG	6756706	1			1
37	BUSHING	2222424	1	1	2	3
38	SPACER, CONVERTER OUTPUT SHAFT	6756689	1		1	2
39	SHAFT ASSY, CONVERTER OUTPUT	6756691	1		1	2

GROUP J

TC-300 SERIES OUTPUT SHAFT
INDUSTRIAL SHAFT WITH ACCESSORY DRIVE, FIGURE 4

SAME AS GROUP G, EXCEPT FOR PARTS LISTED BELOW.

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
18	NOT USED IN THIS GROUP.					
26	SHAFT ASSY	6758054	1		1	2
35	NOT USED IN THIS GROUP.					

GROUP K

TC-300 SERIES OUTPUT SHAFT
INDUSTRIAL SHAFT WITH ACCESSORY DRIVE, FIGURE 4

SAME AS GROUP H, EXCEPT FOR PARTS LISTED BELOW.

18	NOT USED IN THIS GROUP.					
38	SPACER, CONVERTER OUTPUT SHAFT	6756689	1		1	2
39	NOT USED IN THIS GROUP.					
40	SHAFT ASSY, CONVERTER OUTPUT	6768346	1		1	2

GROUP L

TC-300 SERIES OUTPUT SHAFT, AUTOMOTIVE SHAFT, FIGURE 4

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

5-8	NOT USED IN THIS GROUP.					
11	NOT USED IN THIS GROUP.					
14	SHAFT, TURBINE	6759946	1		1	2
41	RETAINER, BRNG	6755302	1			1
42	FLANGE ASSY, M4C	6755333	1		1	2
43	WASHER, LOCK, 1/2	103323	1	1	2	3
44	BOLT, HX HD, 1/2-20 X 1 1/4, CLS 2	181429	1	1	2	3

GROUP M

TC-300 SERIES OUTPUT SHAFT, COUPLING, FIGURE 4

SAME AS GROUP L, EXCEPT FOR PARTS LISTED BELOW.

42	NOT USED IN THIS GROUP.					
45	COUPLING, OUTPUT DRV	6757758	1		1	2

GROUP N

TC-300 SERIES OUTPUT SHAFT
INDUSTRIAL SHAFT WITH EXTRA DUTY BEARINGS AND ACCESSORY DRIVE, FIGURE 4

SAME AS GROUP H, EXCEPT FOR PARTS LISTED BELOW.

29	GEAR, ACCESSORY DRVN, 1.69 TO 1	6768425	1		1	2
34	GEAR, ACCESSORY DRV, 1.69 TO 1	6768426	1		1	2

GROUP P

TC-300 SERIES OUTPUT SHAFT, FIGURE 4

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-21
1	SNAPRING	6703023	1	1	3	10
2	BEARING, SINGLE ROW BALL, ND 3211L1214A	954528	1	1	2	5
3	SEALRING, .487 ID X .103 DIA	6763013	8	8	24	80
4	GASKET, BEARING HSNG	6753966	1	1	3	10
5-8	NOT USED IN THIS GROUP.					
9	BOLT, 1/2-13 X 2 3/4	9409203	8	8	16	24
10	SEAL, LIP TYPE	6754947	1	1	3	10
11-40	NOT USED IN THIS GROUP.					
41	RETAINER, BEARING	6769057	1			1
42-45	NOT USED IN THIS GROUP.					
46	SEALRING, HOOK TYPE	6764025	1	1	3	10
47	SEALRING, HOOK TYPE	6700296	1	1	3	10
48	SHAFT ASSY, OUTPUT	6769051	1		1	2
49	PLUG	6769050	1			1

GROUP Q

TC-300 SERIES OUTPUT SHAFT, FIGURE 4

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

5-8	NOT USED IN THIS GROUP.					
9	BOLT, HX HD, SELF-LOCKING, 1/2-13 X 3	9409240	8	8	16	24
50	RETAINER, BEARING	6757737	1			1

GROUP R

TC-300 SERIES OUTPUT SHAFT, FIGURE 4

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

5-8	NOT USED IN THIS GROUP.					
13-40	NOT USED IN THIS GROUP.					
41	RETAINER, BEARING	6773933	1			1
42-50	NOT USED IN THIS GROUP.					

GROUP S

TC-300 SERIES OUTPUT SHAFT

SAE NO. 2 REAR DISCONNECT CLUTCH HOUSING, FIGURE 4

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

8	HOUSING, SAE NO. 2 REAR DISCONNECT CLUTCH	6777120	1			1
---	---	---------	---	--	--	---

GROUP T

TC-300 SERIES OUTPUT SHAFT, FIGURE 4

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW

8	HOUSING, SAE NO. 2 REAR DISCONNECT CLUTCH	6831578	1			1
---	---	---------	---	--	--	---

GROUP U

TC-300 SERIES OUTPUT SHAFT, INDUSTRIAL SHAFT WITH ACCESSORY DRIVE, FIGURE 4

SAME AS GROUP C, EXCEPT FOR PARTS LISTED BELOW

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
17-18	NOT USED IN THIS GROUP					
21	NOT USED IN THIS GROUP					
26	SHAFT ASSY	6758054	1		1	2
27	HOUSING ASSY, BEARING	6755377	1			1
28	BUSHING	2222424	1	1	2	3
29	GEAR ACCESSORY DRIVEN, 2.5 TO 1	6755618	1		1	2
30	BEARING ASSY, SINGLE ROW BALL, ND 3202NR1241A	907411	1	1	2	5
31	SLEEVE, ACCESSORY DRV	3224085	1		1	2
32	SPACER, 1.38 OD X .06 WALL X 2.16	6751524	1		1	2
33	GASKET	3324773	1	1	3	10
34	GEAR, ACCESSORY DRIVE, 2.5 TO 1	6755619	1		1	2

MANUAL INPUT DISCONNECT CLUTCH ASSEMBLY OPTION

TO FIND DETAIL PARTS FOR YOUR ALLISON TORQMATIC CONVERTER, TURN TO THE GROUP AND PAGE LISTED OPPOSITE THE SERIES NUMBER OF YOUR CONVERTER.

SERIES	GROUP	PAGE
TC 200, OPTION 6757004	A	5-3.1
TC 300, OPTION 6757004	A	5-3.1

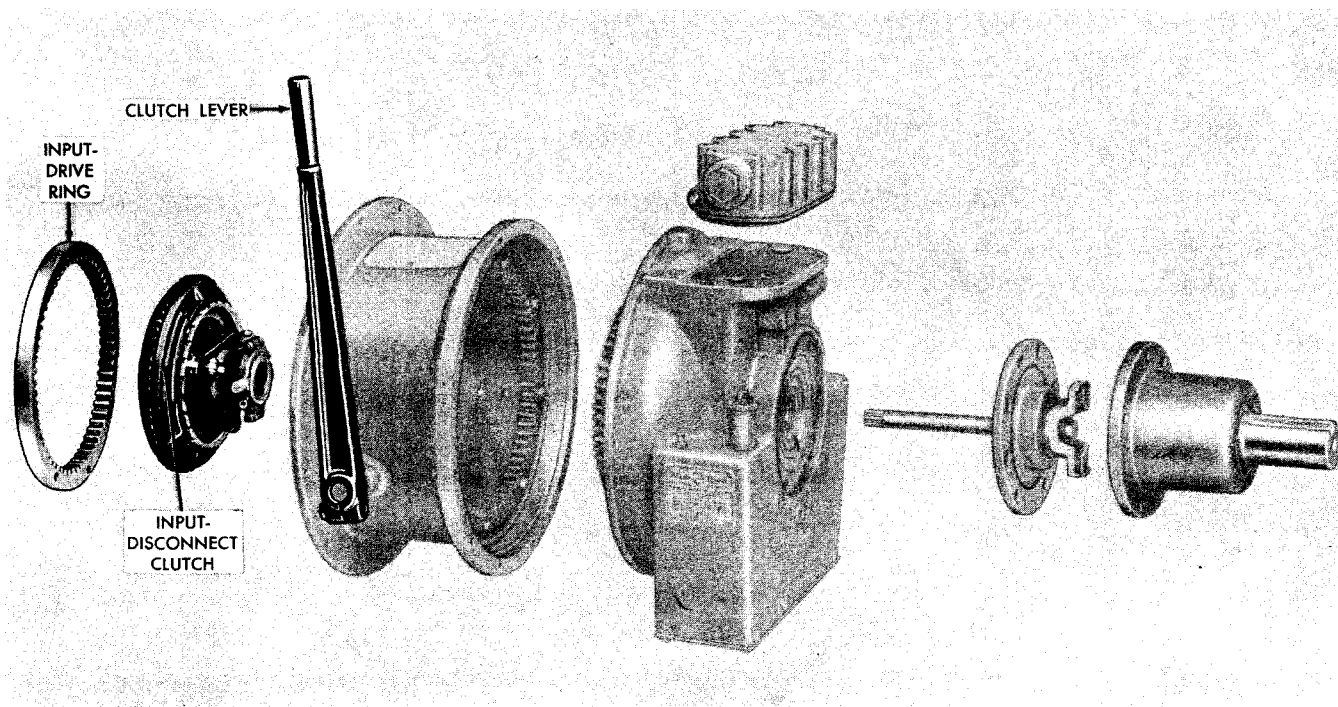


FIG. 5. TC 200-300 SERIES MANUAL INPUT DISCONNECT CLUTCH ASSEMBLY OPTION

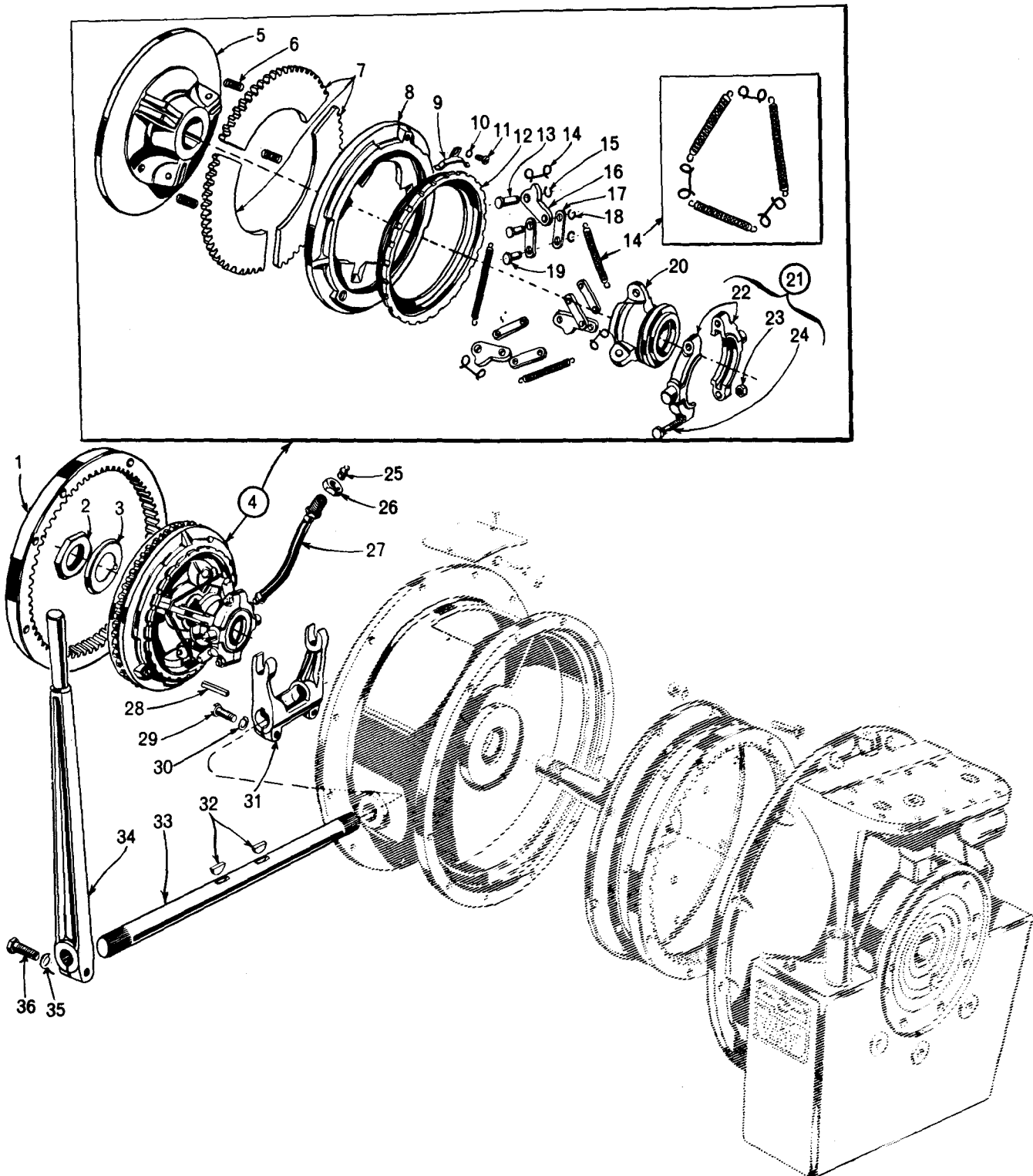


FIG. 5-1. TC 200-300 SERIES MANUAL INPUT DISCONNECT CLUTCH ASSEMBLY OPTION

GROUP A

MANUAL INPUT DISCONNECT CLUTCH ASSEMBLY, OPTION 6757004, FIGURE 5-1

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
1	RING, DRV, 10 INCH	5192180	1		1	2
2	NUT	5192153	1		1	2
3	WASHER	5194671	1	1	2	3
4	CLUTCH ASSY, MANUAL INPUT DISCONNECT, 10 INCH . .	5194365	1			1
5	BODY, CLU	5193258	1			1
6	SPRING, SEPARATOR	5193431	3	3	6	9
7	FACING ASSY, MATCHED SET OF THREE	5192182	1 SET	1	2	3
8	PLATE, PRESR	5194294	1		1	1
9	LOCK, ADJUSTING	5194291	1		1	2
10	WASHER, SHAKEPROOF, 1/4	114604	1	1	2	3
11	SCREW, FILLISTER HD, 1/4-20 X 3/8	114351	1	1	2	3
12	NUT, ADJUSTING	5193430	1		1	2
13	PIN, CLEVIS	5193422	3		3	6
14	SPRING, LEVER	5194138	1	1	2	3
15	RING, RTNR	5192142	1	1	2	3
16	LEVER	5194140	3		3	6
17	LINK, CONNECTING	5193421	6		6	12
18	RING, RTNR	5192176	6	6	12	18
19	PIN, CLEVIS	5193420	6		6	12
20	SLEEVE, RELEASE	5193259	1		1	1
21	BEARING ASSY, RELEASE	5196719	1		1	2
22	BEARING, RELEASE SERVICED IN ASSY 5196719 ONLY		* 1			
23	NUT, ELASTIC STOP, 5/16-24	214279	2	2	4	6
24	BOLT, HX HD, 5/16-24 X 1 3/4	181345	2	2	4	6
25	FITTING, GREASE	191758	1	1	2	3
26	NUT, JAM, 5/8-18	114498	1	1	2	3
27	TUBE ASSY, FLX LUBE	5193064	1		1	2
28	KEY, 1/4 X 1/4 X 2	5192489	1	1	2	3
29	BOLT, HX HD, 3/8-16 X 1 1/4, CLS 3	179841	2	2	4	6
30	WASHER, LOCK, 3/8	103321	2	2	4	6
31	YOKE, CLU SHIFTER	5193255	1		1	2
32	KEY, WOODRUFF	113782	2	2	4	6
33	SHAFT, CLU SHIFTER	5194244	1		1	2
34	LEVER, CLU CONTROL HAND	6778121	1			1
35	WASHER, LOCK, 3/8, PRIOR TO S/N 42917 USE 103321	103321	1	1	2	3
36	BOLT, HX HD, 3/8-16 X 1 3/8, PRIOR TO S/N 42917 . USE 179887	179842	1	1	2	3

* SERVICED AS AN ASSY - NOT AS A DETAIL PART

MANUAL INPUT DISCONNECT CLUTCH HOUSING OPTIONS AND DRIVE RING OPTIONS

TO FIND DETAIL PARTS FOR YOUR ALLISON TORQMATIC CONVERTER, TURN TO THE GROUP AND PAGE LISTED OPPOSITE THE SERIES NUMBER OF YOUR CONVERTER.

SERIES	GROUP	PAGE
TC 200, OPTION 5192180	A	6-3.1
TC 200, OPTION 6757000	B	6-3.1
TC 200, OPTION 6757002	D	6-3.1
TC 200, OPTION 6759249	G	6-3.2
TC 300, OPTION 6757003	E	6-3.1
TC 300, OPTION 6759251	F	6-3.2
TC 300, OPTION 6759252	H	6-3.2
TC 300, OPTION 6768580	F	6-3.2
TC 300, OPTION 6768581	J	6-3.2
TC 300, OPTION 6768582	E	6-3.1
TC 300, OPTION 6768583	C	6-3.1

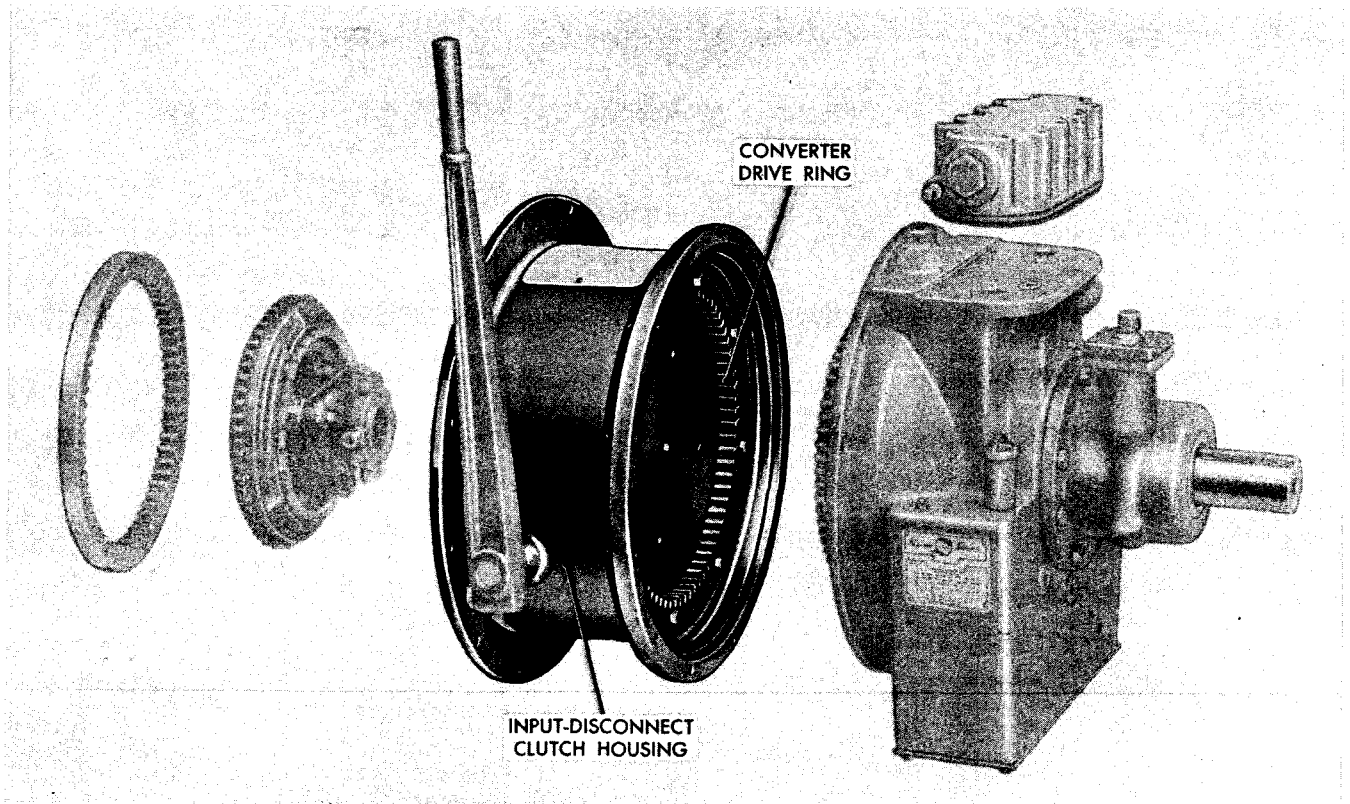


FIG. 6. TC 200-300 SERIES MANUAL INPUT DISCONNECT CLUTCH HOUSING OPTIONS
AND DRIVE RING OPTIONS

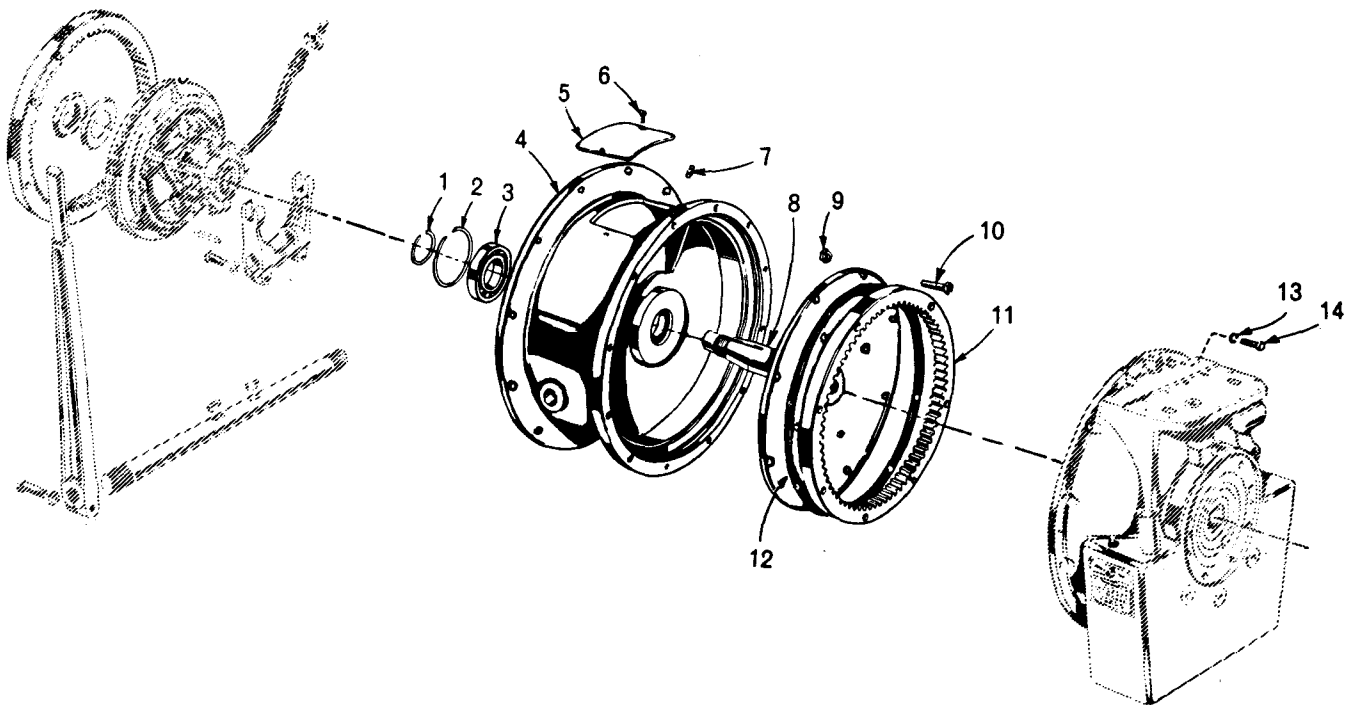


FIG. 6-1. TC 200-300 SERIES MANUAL INPUT DISCONNECT CLUTCH HOUSING
OPTIONS AND DRIVE RING OPTIONS

GROUP A

10-INCH DRIVE RING, OPTION 5192180, FIGURE 6-1

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
1-10	NOT USED IN THIS GROUP.					
11	RING, DRV, 10 DIA	5192180	1		1	2
12-14	NOT USED IN THIS GROUP.					

GROUP B

SAE NO. 2 MANUAL INPUT DISCONNECT CLUTCH HOUSING, OPTION 6757000, FIGURE 6-1

1	RING, SNAP	6751822	1	1	2	5
2	RING, SNAP	6753487	1	1	2	5
3	BEARING ASSY, SINGLE ROW BALL, NO 7509XR1E	907540	1	1	2	5
4	HOUSING, SAE NO. 2 MANUAL INPUT DISCONNECT CLUTCH	6756620	1			1
5	COVER, MANUAL INPUT DISCONNECT CLU HSNG	6756618	1			1
6	SCREW, NO. 10-24 X 7/16	113903	2	2	4	6
7	FITTING, GREASE	191758	1	1	2	3
8	SHAFT ASSY, CONVERTER INPUT	6756615	1		1	2
9	NUT, 3/8-24	103026	8	8	16	24
10	BOLT, HX HD, 3/8-24 X 1 1/2, CLS 2A	9409038	8	8	16	24
11	RING, DRIVE, 10 DIA	5192180	1		1	2
12	NOT USED IN THIS GROUP.					
13	WASHER, LOCK, 3/8	103321	12	12	24	36
14	BOLT, HX HD, 3/8-16 X 1 1/8, CLS 2	179840	12	12	24	36

GROUP C

SAE NO. 2 MANUAL INPUT DISCONNECT CLUTCH HOUSING, OPTION 6768583, FIGURE 6-1

SAME AS GROUP B, EXCEPT FOR PARTS LISTED BELOW.

8	SHAFT ASSY, CONVERTER INPUT	6772307	1		1	2
9	NUT, 3/8-16	102635	8	8	16	24
10-12	SEE DRIVE RING KIT 6775458, SEE SPI 351 KIT 6775458 CONSISTS OF 1-6775414 DRIVE RING, 1-6769818 SEALRING, 8-9412270 BOLTS, 1 LB 6769877 GREASE AND 1-6770047 INSTRUCTION SHEET					
12	GASKET	6769988	1	1	3	10

GROUP D

SAE NO. 3 MANUAL INPUT DISCONNECT CLUTCH HOUSING, OPTION 6757002, FIGURE 6-1

SAME AS GROUP B, EXCEPT FOR PARTS LISTED BELOW.

4	HOUSING, SAE NO. 3 MANUAL INPUT DISCONNECT CLUTCH	6756627	1			1
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GROUP E

SAE NO. 3 MANUAL INPUT DISCONNECT CLUTCH HOUSING, OPTION 6768582, FIGURE 6-1

SAME AS GROUP C, EXCEPT FOR PARTS LISTED BELOW.

4	HOUSING, SAE NO. 3 MANUAL INPUT DISCONNECT CLUTCH	6756627	1			1
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GROUP F

SAE NO. 2 MANUAL INPUT DISCONNECT CLUTCH HOUSING, OPTION 6768580, FIGURE 6-1

SAME AS GROUP C, EXCEPT FOR PARTS LISTED BELOW.

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
8	SHAFT ASSY, CONVERTER INPUT	6772328	1		1	2

GROUP G

SAE NO. 2 MANUAL INPUT DISCONNECT CLUTCH HOUSING, OPTION 6759249, FIGURE 6-1

SAME AS GROUP B, EXCEPT FOR PARTS LISTED BELOW.

8	SHAFT ASSY, CONVERTER INPUT	6758988	1		1	2
---	---------------------------------------	---------	---	--	---	---

GROUP H

SAE NO. 3 MANUAL INPUT DISCONNECT CLUTCH HOUSING, OPTION 6759252, FIGURE 6-1

SAME AS GROUP F, EXCEPT FOR PARTS LISTED BELOW.

4	HOUSING, SAE NO. 3 MANUAL INPUT DISCONNECT CLUTCH	6756627	1			1
8	SHAFT ASSY, CONVERTER INPUT	6758987	1		1	2

GROUP J

SAE NO. 3 MANUAL INPUT DISCONNECT CLUTCH HOUSING, OPTION 6768581, FIGURE 6-1

SAME AS GROUP F, EXCEPT FOR PARTS LISTED BELOW.

4	HOUSING, SAE NO. 3 MANUAL INPUT DISCONNECT CLUTCH	6756627	1			1
---	---	---------	---	--	--	---

OIL COOLER, CABLE DRIVE ADAPTER FOR ACCESSORY DRIVE,
REAR DISCONNECT CLUTCH ADAPTER, AND MOUNTING PLATE OPTIONS

TO FIND DETAIL PARTS FOR YOUR ALLISON TORQMATIC CONVERTER TURN TO
THE GROUP AND PAGE LISTED OPPOSITE THE SERIES NUMBER OF YOUR CONVERTER

SERIES	GROUP	PAGE
TC 200, OPTION 6836686	A	7-3.1
TC 200, OPTION 6756685	G	7-3.2
TC 200, OPTION 6755877	C	7-3.1
TC 248, OPTION 6757008	F	7-3.2
USED ON A/N 6757848 ONLY		
TCA 248, OPTION 6757007	D	7-3.1
TC 300, OPTION 6756685	G	7-3.2
TC 300, OPTION 6836686	A	7-3.1
TCA 300, OPTION 6755877	C	7-3.1
TC 378, OPTION 6757009	E	7-3.2

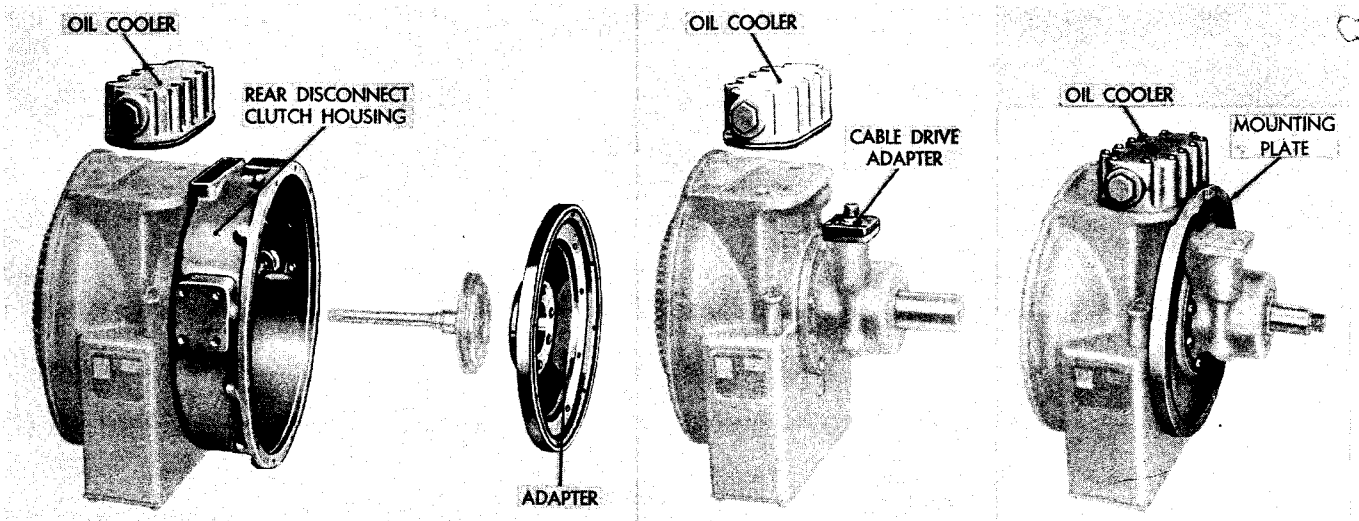


FIG. 7. TC 200-300 SERIES OIL COOLER OPTIONS, CABLE DRIVE ADAPTER
OPTION, REAR DISCONNECT CLUTCH ADAPTER OPTION, AND MOUNTING
PLATE OPTIONS

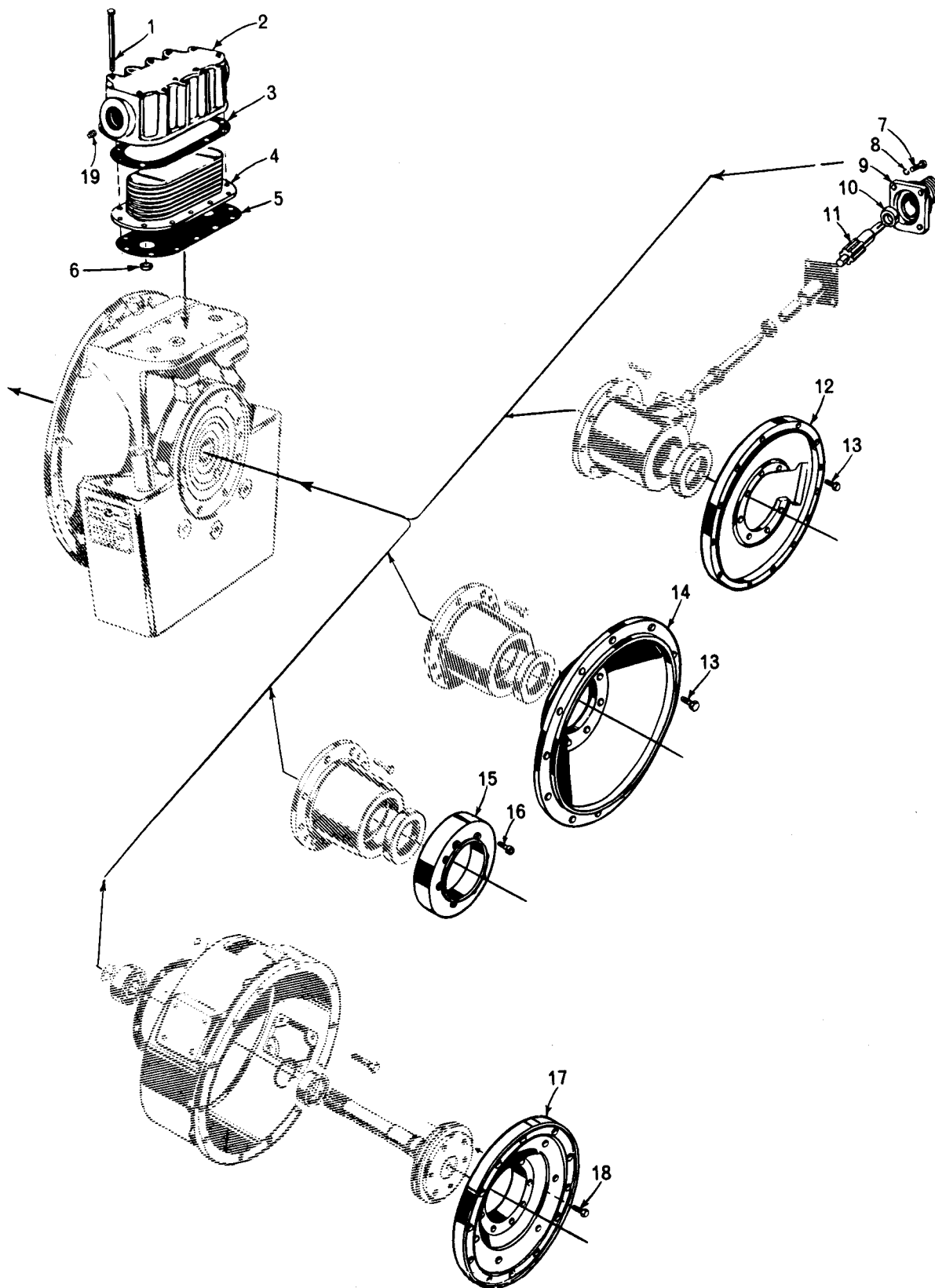


FIG. 7-1. TC 200-300 SERIES OIL COOLER OPTIONS, CABLE DRIVE ADAPTER OPTION, REAR DISCONNECT CLUTCH ADAPTER OPTION, AND MOUNTING PLATE OPTIONS

GROUP A

OIL COOLER, OPTION 6836686, FIGURE 7-1

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
1	BOLT, HX HD, 5/16-18 X 3 3/4, CLS 2	186271	12	12	24	36
2	COVER, OIL COOLER	6755488	1			1
3	GASKET, OIL COOLER COVER	6754299	1	1	3	10
4	CORE ASSY, OIL COOLER	8522609	1		1	2
5	GASKET, OIL COOLER	6754314	1	1	3	10
6	PLUG, ORIFICE, .218 DIA, SEE SPI 136, TC200 ONLY	6756658	1		1	2
6	PLUG, ORIFICE, .312 DIA, SEE SPI 136, TC 300 ONLY	6756659	1		1	2
7-18	NOT USED IN THIS GROUP.					
19	PLUG, 1/4 NPTF, SQ HD PIPE	444576	1		1	2

GROUP B

CABLE DRIVE ADAPTER FOR ACCESSORY DRIVE, OPTION 6755877, FIGURE 7-1

1-6	NOT USED IN THIS GROUP.					
7	BOLT, HX HD, 5/16-18 X 1 1/8, CLS 2	179819	4	4	8	12
8	WASHER, LOCK, 5/16	103320	4	4	8	12
9	ADAPTER, CABLE DRV	6752033	1			1
10	SEAL, OIL, .50 ID	6752035	1	1	3	10
11	SHAFT, CABLE DRV ADPTR	6752034	1		1	2
12-19	NOT USED IN THIS GROUP.					

GROUP C

MOUNTING PLATE, OPTION 6757007, FIGURE 7-1

1-11	NOT USED IN THIS GROUP.					
12	PLATE, MNTG, USE ON CONVERTERS PRIOR TO S/N 6482	6756362	1			1
13	BOLT, HX HD, SELF-LOCKING, 1/2-13 X 3 1/4, CLS 2, USE ON CONVERTERS PRIOR TO S/N 6482.	9409227	8	8	16	24
14-19	NOT USED IN THIS GROUP.					

GROUP D

MOUNTING PLATE, OPTION 6757009, FIGURE 7-1

1-12	NOT USED IN THIS GROUP.					
13	BOLT, HX HD, SELF-LOCKING, 1/2-13 X 3 1/4, CLS 2	9409227	8	8	16	24
14	PLATE, MNTG	6756947	1			1
15-19	NOT USED IN THIS GROUP.					

GROUP E

MOUNTING PLATE, FOR TC-248, FIGURE 7-1

1-14	NOT USED IN THIS GROUP.					
15	PLATE, MNTG	6756864	1			1
16	BOLT, HX SCKT HD, 1/2-13 X 3 3/4	147465	8	8	16	24
17-19	NOT USED IN THIS GROUP.					

GROUP F

REAR DISCONNECT CLUTCH ADAPTER, OPTION 6756685, FIGURE 7-1

1-16	NOT USED IN THIS GROUP.					
17	ADAPTER, REAR DISCONNECT CLU	6756119	1			1

CONTINUED ON NEXT PAGE

GROUP F CONT

REAR DISCONNECT CLUTCH ADAPTER, OPTION 6756685, FIGURE 7-1

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS		
				1-3	4-10	11-25
18	BOLT, HX HD, SELF-LOCKING, 1/2-20 X 1 1/2, CLS 2	9409060	6	6	12	18
19	NOT USED IN THIS GROUP.					

**SUPPLEMENTAL PARTS INFORMATION
(SPI)**

SPI 127
Page 1 of 1
May 17, 1954

SUBJECT: TORQMATIC CONVERTERS - ALL 200 SERIES
MODELS. SERVICE REPLACEMENT STATOR
THRUST WASHERS OF CERTAIN EARLY
PRODUCTION UNITS.

REFERENCE: Transmission Engineering Memorandum,
Serial No. 434 A-B, dated April 12, 1954.

In order to improve the wear characteristics of the stator
thrust washers where high torque multiplication for long periods
is involved, improved thrust washers have been incorporated
on the 200 Series Torqmatic Converters.

All 200 Series Torqmatic Converters, S/N 4803 and below,
except 4768, should have both thrust washers replaced in the
event disassembly should be required for any reason.

Parts Involved:

<u>Name</u>	<u>Old Part No.</u>	<u>New Part No.</u>
Washer, Rear Thrust	CEX-7990	6756233
Washer, Pump Thrust	3709044	6756629

The following unit serial numbers are affected by this change:

4600	4691	4779	4790
4601	4714	4780	4791
4602	4721	4781	4792
4625	4725	4782	4799
4668	4776	4783	4800
4669	4777	4788	4801
4672	4778	4789	4802
			4803

Service Manager - Transmissions

SPI 136
Page 1 of 6
August 9, 1954

SUBJECT: TORQMATIC CONVERTER - TC-200 & 300 SERIES -
HYDRAULIC CIRCUITS AND OPERATING PRESSURES.

There are three (3) types of approved hydraulic circuits that are recommended for the subject converters.

1. Integral Heat Exchanger with or without the Integral By-Pass Valve (See S. P. I. No. 175 for Information on Integral By-Pass Valve).

The integral heat exchanger is approved for all applications and will maintain pressures within required limitations. Use of an integral heat exchanger requires use of an orifice in the converter "in" (see sketch) line. Orifice P/N 6756658 with a 7/32" diameter hole, is used with all TC-200 Series Converters. Orifice P/N 6756659 with a 5/16" diameter hole, is used with all TC-300 Series Converters. See sketch for correct flow of water through heat exchanger.

2. Remote Heat Exchanger and External By-Pass Valve (Units below Serial No. 8073).

The remote heat exchanger circuit must have a minimum oil line size of 5/8" I. D., and must have an approved * pressure by-pass valve set for initial opening at 55 plus-minus 5 psi, mounted at the converter oil "out" connection (see below for exceptions) and piped to discharge into the converter oil "in" line. This is for the purpose of controlling converter charging pressure during cold weather starts. This is necessary in order to prevent excessive converter pressure when starting at low ambient temperatures, which could damage the converter.

Exception to location of pressure relief valve

On Detroit Diesel Engine applications, due to peculiarities in the installation, it has been necessary to locate the by-pass valve at the cooler instead of at the converter. The relocation of the by-pass valve in this case has been approved by Allison.

On other installations, if remote mounting of the by-pass valve is necessary, the installation must first be approved by Allison.

3. Remote Heat Exchange and Integral By-pass Valve (Units above Serial No. 8073 see S. I. L. No. 175).

The remote heat exchanger circuit must have a minimum oil line size of 5/8" I. D. in addition to satisfying the cooling requirements for the particular installation. The heat exchanger must have a pressure drop that is compatible with the pressure requirements at stall. In these units the integral by-pass valve will properly control the pressure throughout the remainder of the operating range.

Pressure Limitation on TC-200 & 300 Series Converters.

1. The following oil "out" pressures must be provided at 225 degrees F. oil temperatures:

TC-200

Minimum at full throttle stall	15 psi
Maximum at full throttle stall	30 psi
Maximum at full throttle no load	60 psi

TC-300

Minimum at full throttle stall	25 psi
Maximum at full throttle stall	35 psi
Maximum at full throttle no load	60 psi

2. The following methods should be used to attain the required pressure limitations:

- 2.1 Pressure at Stall too High

If the converter pressure at stall is too high, the pressure drop in the cooler circuit must be reduced. If an increase in oil line size does not reduce the pressure to the required limits, then a heat exchanger with less restriction must be used.

- 2.2 Pressure at Stall too Low

If the converter pressure at stall is too low, the pressure drop in the cooler circuit must be increased. The simplest way to do this is to install an orifice of the proper size to provide the minimum pressure shown above.

4. Oil recommendations for units incorporating the integral by-pass valve (units Serial No. 8073 and above).

-10° F and higher:

Hydraulic transmission fluid type C where available, otherwise
SAE 10 heavy duty (MIL-L-2104).

-10° F and lower:

Hydraulic transmission fluid type C where available, otherwise
SAE 10 heavy-duty (MIL-L-2104).

5. Oil recommendations for units using the external by-pass valve (units below Serial No. 8073).

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 Page 3 of 6
 August 9, 1954

+10° F and higher:

Hydraulic transmission fluid type C where available, otherwise
 SAE 10 heavy duty (MIL-L-2104).

+ 10° F and lower:

A mineral base oil meeting the following specifications:

Viscosity at 100° F	55-65 SSU
Viscosity at 210° F	35-38 SSU
Pour Point	-30° F
Flash Point	300° F Min.
Copper Strip Test	Negative
ASTM#D 130	
Cabinet Humidity Test	Corrosion around edge
(Anti-rust and anti-corrosion)	of panel only
L-4 Test	Pass
Foam Test	Pass

At temperatures below the pour point of the special light weight oils, auxiliary heat must be applied to raise the oil temperature to its pour point.

The following oils are represented by the respective suppliers as meeting the above specification. Responsibility for the quality of a lubricating oil and its performance in service must remain with the oil company marketing the lubricant. This list should, therefore, not be construed as a recommendation of the products by the Allison Division of General Motors.

<u>Brand</u>	<u>Type</u>
Esso	Torque Fluid 35
Texas Co.	Texaco Torque Fluid
Cities Service	Torque Fluid #4
Socony-Vacuum	Mobile Fluid #62
Standard Oil of Calif.	RPM Torque Fluid #3
Standard Oil	Stanotorque Conv. Fluid

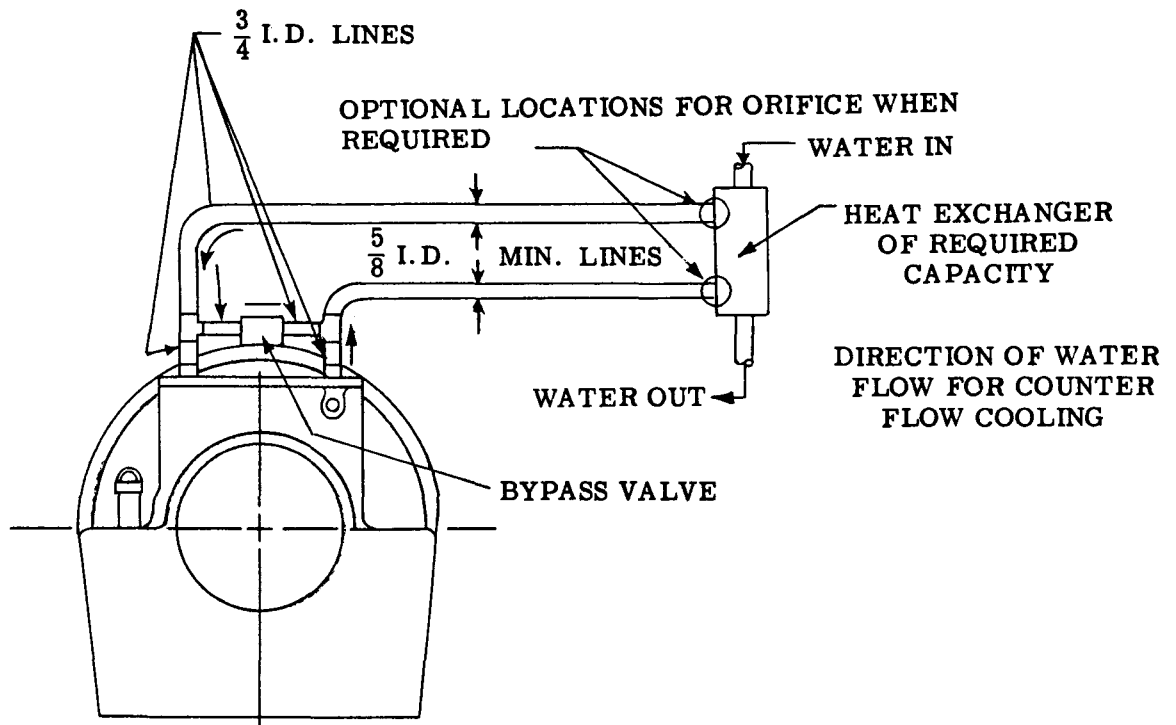
Since new products are continuously being tested by the oil industry, the listing may not contain all products marketed at the time of issue. Revised lists will be made available from time to time, as additional information is developed.

Service Manager - Transmissions

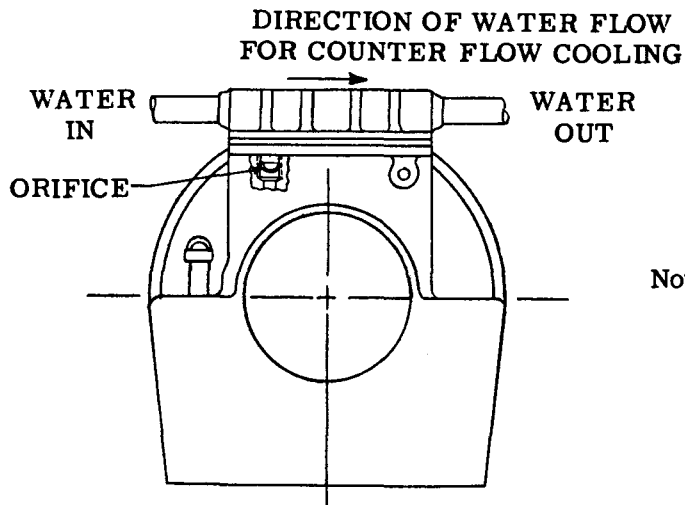
TC 200-300 SERIES CONVERTER
HYDRAULIC CIRCUIT RECOMMENDATIONS

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August 9, 1954
Rev. "A" 1-24-55
Rev. "B" 3-16-55
Rev. "C" 6-17-55

REMOTE HEAT EXCHANGER



INTEGRAL HEAT EXCHANGER



Note:
Cooler Oil Circuit
Contained in Unit

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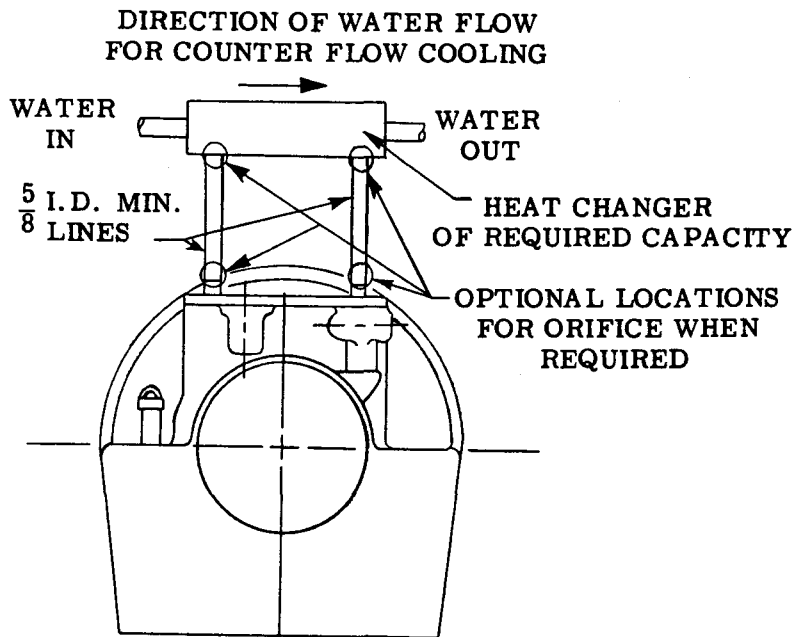
August 9, 1954

Rev. "A" 1-24-55

Rev. "B" 3-16-55

Rev. "C" 6-17-55

REMOTE HEAT EXCHANGER
WITH INTEGRAL
BYPASS VALVE



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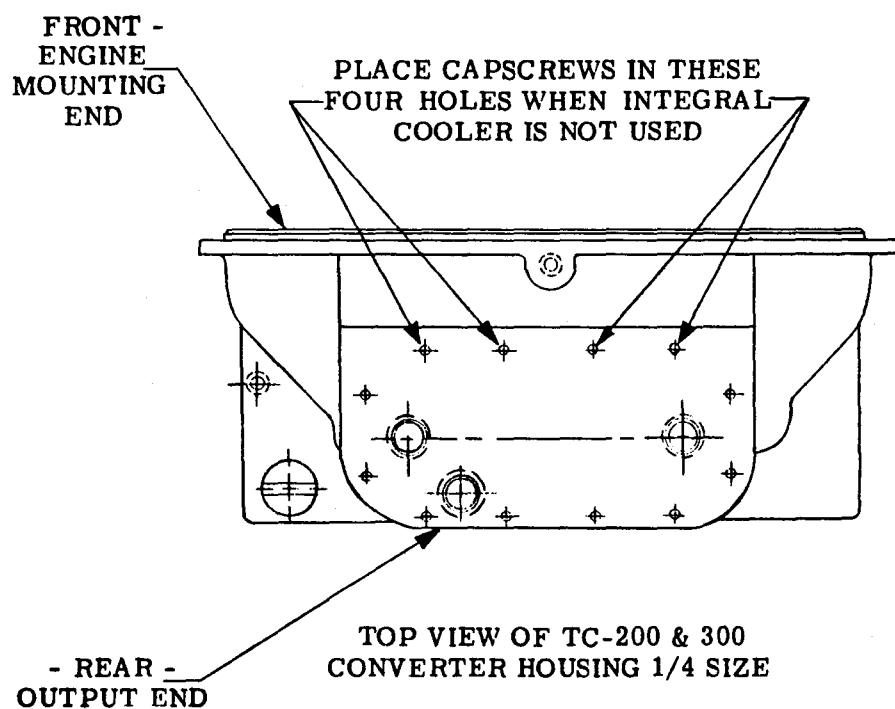
SUBJECT: TORQMATIC CONVERTER - TC-200 & 300 SERIES -
ALL MODELS NOT USING THE INTEGRAL OIL
COOLER - INSTALLING CAP SCREWS IN CONVERTER
HOUSING COOLER MOUNTING HOLES WHEN COOLER
IS NOT USED.

There are twelve (12) drilled and tapped cooler mounting holes located in the cooler mounting pad at the top of the converter housing. The four (4) holes located at the front (engine mounting end) of the cooler mounting pad are through holes into the bell housing of the converter housing. When the integral oil cooler is not used, these four (4) holes (see sketch) are open to the elements and it is possible for rain, dust and debris to work down through the holes and into the converter bell housing.

It is recommended that on all units not using the integral cooler, four (4) 5/16"-18 x 1" UNC bolts be installed in the holes in order to prevent the passage of foreign material into the converter bell housing.

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SPI 224
Page 1 of 3
June 5, 1956

SUBJECT: TORQMATIC CONVERTER - TC-300 SERIES - CONVERTER COVER
CHANGED TO INCORPORATE BALL BEARING P/N 903208 INSTEAD
OF BUSHING P/N 6754922.

In order to provide a better pilot for the turbine assembly, and thereby increase the life of the converter parts, a ball bearing has been added to the converter cover, replacing the bushing. The turbine hub was changed in order to adapt the hub to the new roller bearing. The new roller bearing eliminates the necessity of the turbine thrust washer.

Effective with TC-300 Series Torqmatic Converter Serial No. 13596, the following parts were released or cancelled as noted:

<u>Parts Released</u>	<u>Part Name</u>	<u>Parts Cancelled</u>	<u>Model Used On</u>	<u>Quantity Per Unit</u>
903208	Bearing - Ball		TC-300	1
	Bushing - Conv. Pump Cover	6754922	TC-300	1
	Washer - Turbine Thrust	6755004	TC-300	1
	Cover Assem. - Conv. Pump	6755325*	TC-300	1
6757712*	Cover - Conv. Pump	6755317*	TC-300	1
6758274**	Cover - Conv. Pump	6757255**	TC-300	1
6757713	Turbine Assembly	6755467	TC-300	1

NOTE: Cover assemblies 6755325 and 6757289 which included the bushing 6754922 have been replaced by covers 6757712 and 6758274. The new covers do not include a bushing or bearing, therefore, they are not considered assemblies.

Interchangeability is affected by this change in that new and old part must not be intermixed in a unit. Therefore, a supply of service parts will be maintained on the following parts:

- * For engine mounted units only.
- ** For remote mounted units only.