INTERNAL SERVICE BRAKE SECTION

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

A/N*	MODEL	GROUP	A/N*	MODEL	GROUP
6832371	TTB 2420-1	A	6837777	TTB 2221-1	A
6832885	TTB 2420-1	A	6837778	TTB 2221-1	A
6833141	TTB 2420-1	A	6837780	TTB 2421-1	A
6833371	TTB 2220-1	A	6837781	TTB 2421-1	A
6833465	TTB 2220-1	A	6837782	TTB 2421-1	A
6833606	TTB 2420-1	A	6837783	TTB 2421-1	A
6833607	TTB 2420-1	A	6837784	TTB 2421-1	A
6833608	TTB 2420-1	A	6838123	TTB 2420-1	A
6833643	TTB 2420-1	A	6838154	TTB 2221-1	A
6833773	TTB 2420-1	A	6838155	TTB 2421-1	A
6834145	TTB 2220-1	A	6838156	TTB 2421-1	A
6834199	TTB 2220-1	A	6838402	TTB 2220-1	A
6834418	TTB 2420-1	A	6839118	TTB 2420-1	A
6835674	TTB 2420-1	A	6839119	TTB 2420-1	A
6835969	TTB 2420-1	A	6839196	TTB 2420-1	A
6835970	TTB 2420-1	A	6839197	TTB 2420-1	A
6835984	TTB 2420-1	A	6839198	TTB 2420-1	A
6835985	TTB 2420-1	A	6839614	TTB 2421-1	A
6836092	TTB 2420-1	A	6880675	TTB 2221-1	A
6836201	TTB 2220-1	A	6880915	TTB 2421-1	A
6836276	TTB 2420-1	A	6881846	TTB 2420-1	A
6836345	TTB 2220-1	A	6881894	TTB 2421-1	A
6836362	TTB 2420-1	A	6881895	TTB 2421-1	A
6836369	TTB 2220-1	A	6881896	TTB 2221-1	A
6836505	TTB 2420-1	A	6882731	TTB 2221-1	A
6836628	TTB 2420-1	A	6882732	TTB 2221-1	A
6836825	TTB 2420-1	A	6883718	TTB 2421-1	A
6836974	TTB 2220-1	A	6885221	TTB 2421-1	A

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

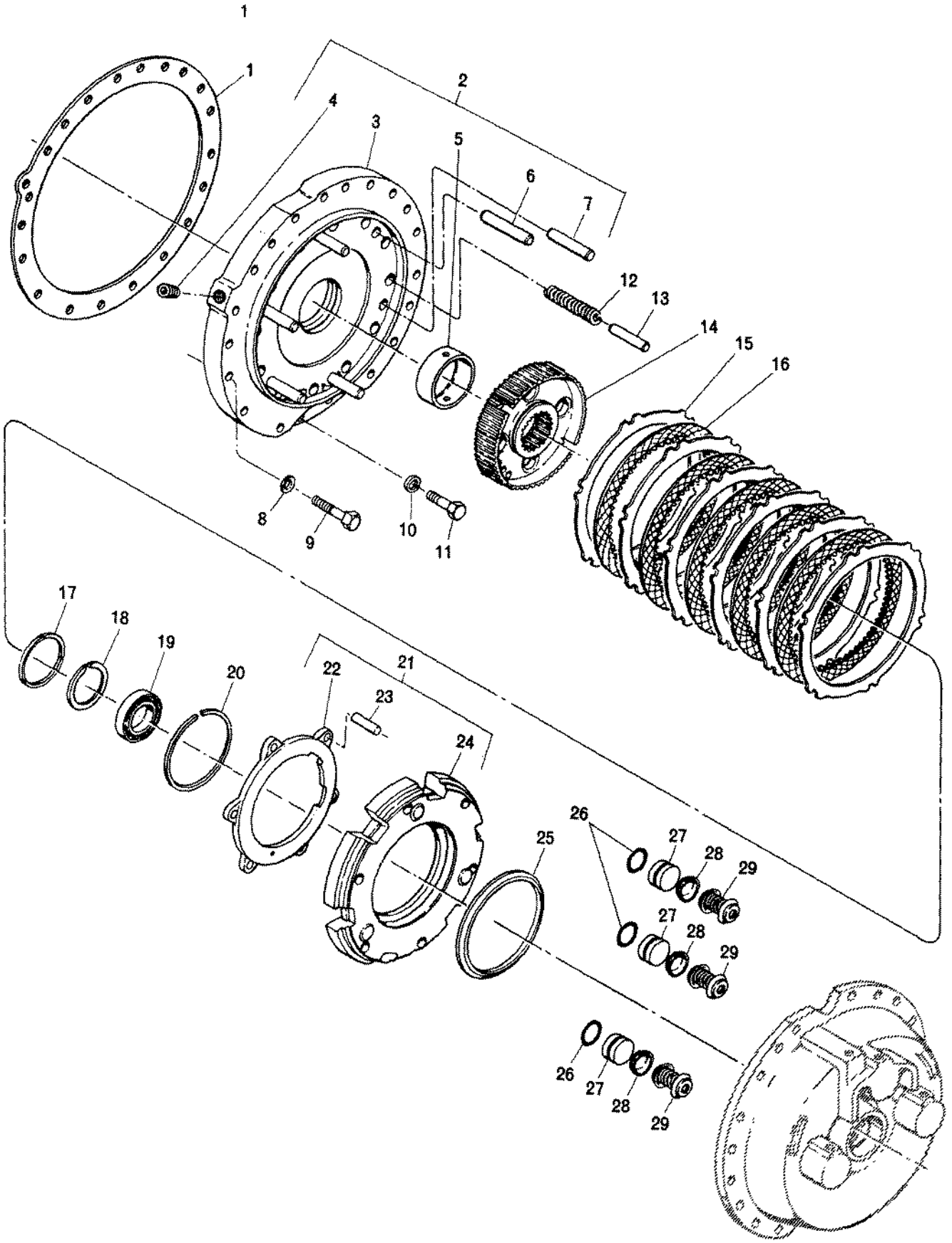


FIG. 19 INTERNAL SERVICE BRAKE

GROUP A

INTERNAL SERVICE BRAKE, FIGURE 19

REF NO	NOMENCLATURE	PART NO		REQ	RECOMMENDED SPARES FOR UNITS 1-3	4-10	11-25
1	GASKET, DIAPHRAGM	6773477		1	1	3	10
2	DIAPHRAGM ASSY, WHEN REPLACING 6831923 DIAPHRAGM ASSY WITH 6837020 DIAPHRAGM ASSY ALSO ORDER 12-6765710 SPRINGS AND 12-141274 PINS. DO NOT MIX OLD AND NEW PARTS	6837020		1			1
3	DIAPHRAGM	6837021	*	1			
4	PLUG, WITH TEFLON TAPE	6834112		1		1	2
5	SLEEVE	6779434		1	1	2	4
6	PIN, 6-6776854 PINS USED IN 6831923 DIAPHRAGM ASSY.	6776854	*	3			
7	PIN	6777262	*	3			
8	WASHER, LOCK, 3/8	103321		1	1	2	3
9	BOLT, HX HD, 3/8-16 X 2	179847		1	1	2	3
10	WASHER, LOCK, 3/8	103321		2	2	4	6
11	BOLT, HX HD, 3/8-16 X 1 1/8	179840		2	2	4	6
12	SPRING, RETURN, 6831441 SPRINGS STILL USED WITH 6831923 DIAPHRAGM ASSY. WHEN REPLACING 12-6831441 SPRINGS WITH 12-6765710 SPRINGS ALSO ORDER 12-141274 PINS AND 1-6837020 DIAPHRAGM ASSY. DO NOT MIX OLD AND NEW PARTS	6765710		12		12	24
13	PIN, SPRING RETURN, 117884 PIN STILL USED WITH 6831923 DIAPHRAGM ASSY. WHEN REPLACING 12-117884 PINS WITH 12-141274 PINS ALSO ORDER 12-6765710 SPRINGS AND 1-6837020 DIAPHRAGM ASSY. DO NOT MIX OLD AND NEW PARTS	141274		12		12	24
14	HUB, INTERNAL BRAKE	6831928		1		1	2
15	PLATE, EXTERNAL SPLINED CLUTCH	6837690		6	6	12	24
16	PLATE, INTERNAL SPLINED CLUTCH	6830368		5	5	10	20
17	RING, SEAL, STEP JOINT	6830098		1	1	3	10
18	RING, SNAP	6750259		1	1	2	5
19	BEARING, SINGLE ROW BALL, NO 3L10XR1A	903010		1	1	2	5
20	RING, SNAP, EXTERNAL	6835737		1	1	2	5
21	PLATE ASSY, APPLY	6831957		1		1	2
22	RING, APPLY PLATE ADJUSTING	6831958	*	1			
23	PIN, SPRING	6831456		6	6	12	18
24	PLATE, APPLY	6831924	*	1			
25	RING, SEAL	6831442		1	1	3	10
26	RING, SEAL, PISTON	6833212		3	3	9	30
27	PISTON, ACTUATOR	6831932		3			3
28	CUP	6832662		3	3	9	30
29	SPRING AND EXPANDER ASSY	6832663		3	3	9	30

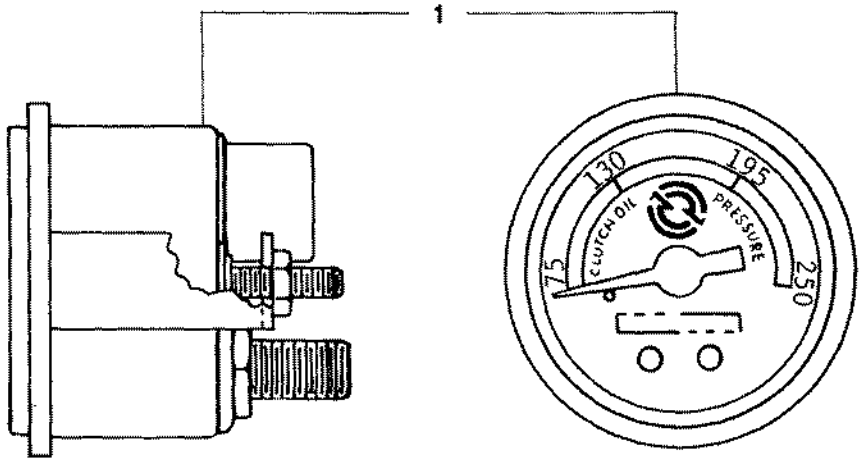
* SERVICED AS AN ASSY - NOT AS A DETAIL PART

MISCELLANEOUS OPTIONS SECTION

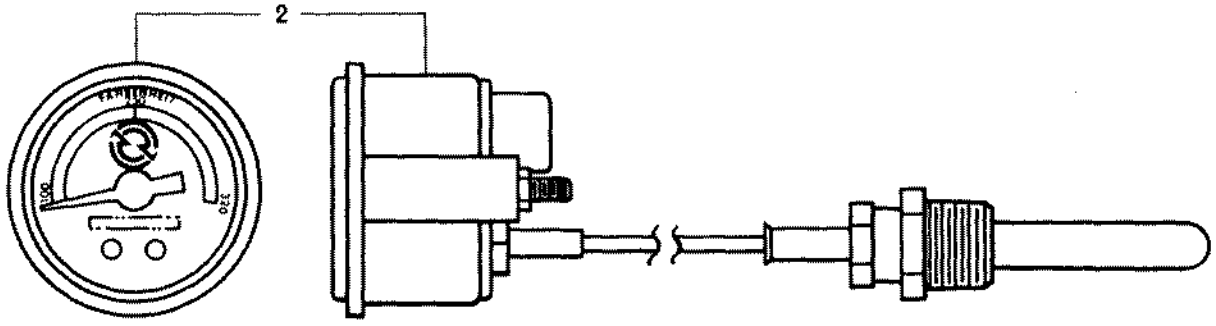
THESE PARTS ARE OPTIONAL ON ALL POWERSHIFT TRANSMISSIONS LISTED IN THIS CATALOG.

A/N*	MODEL	GROUP	A/N*	MODEL	GROUP

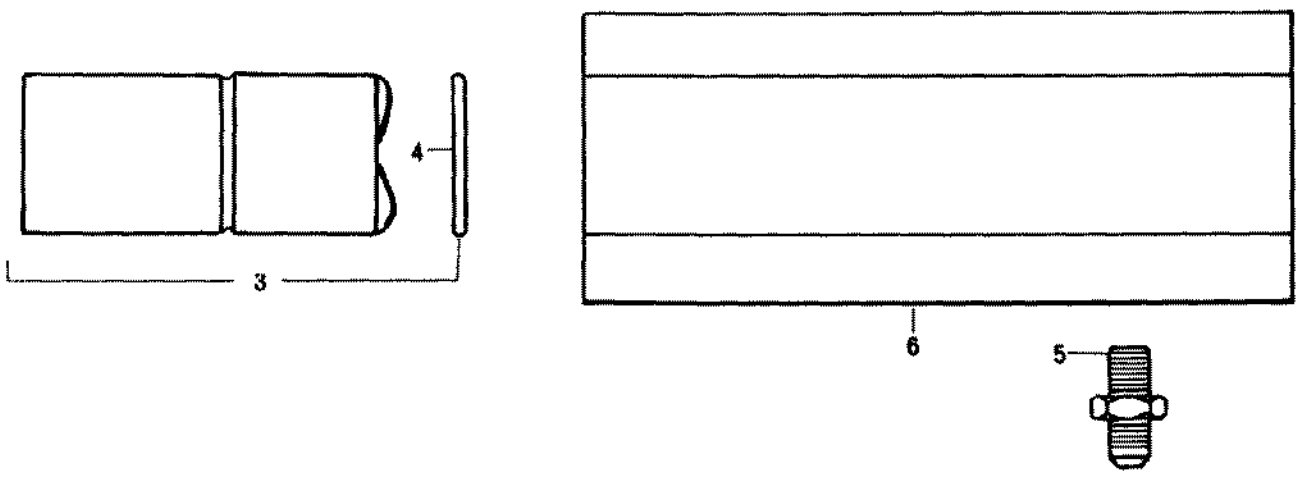
* A/N* - ASSEMBLY NUMBER - FOUND ON YOUR TRANSMISSION NAMEPLATE



CLUTCH OIL PRESSURE GAGE



OIL TEMPERATURE GAGE



EXTERNAL THERMOSTAT KIT

FIG. 20 CLUTCH OIL PRESSURE GAGE, OIL TEMPERATURE GAGE AND EXTERNAL THERMOSTAT KIT

CLUTCH OIL PRESSURE GAGE, FIGURE 20

REF NO	NOMENCLATURE	PART NO	REQ	RECOMMENDED SPARES FOR UNITS 1-3	4-10	11-25
1	GAGE, CLUTCH OIL PRESSURE	6838456	1	1	2	3

DUMMY CARD - PLEASE KEY PUNCH

TEMPERATURE GAGE, FIGURE 20

2	GAGE, OIL TEMPERATURE W/10 FOOT CAPILLARY	6838457	1	1	2	3
2	GAGE, OIL TEMPERATURE W/6 FOOT CAPILLARY	6838458	1	1	2	3
2	GAGE, OIL TEMPERATURE W/4 FOOT CAPILLARY	6838459	1	1	2	3

DUMMY CARD - PLEASE KEY PUNCH

EXTERNAL THERMOSTAT. FIGURE 20

3	THERMOSTAT ASSY	6779114	1	1	2	3
4	RING, SEAL, THERMOSTAT	6774474	1	1	3	10
5	CONNECTOR, THERMOSTAT	9402706	1	1	2	3
6	ADAPTER, THERMOSTAT	6830740	1	1	2	3

SUPPLEMENTAL PARTS INFORMATION (SPI)

SPI 553
Page 1 of 2
May 31, 1963

Subject: Clutch Improvements

Equipment Affected: TT-2000 Series Transmissions

Effective Serial Number: S/N 137

A number of changes have been made to improve inching performance in TT-2000 series transmissions. The improvements will assure smoother inching and positive "neutral" when the inching control is fully applied. The changes consist of:

- improved bronze clutch plates for smoother slipping and greater durability.
- orifice removed from the turbine gear assembly, and lube passage added to the high clutch hub, to supply additional lube oil to the clutch plates.
- stronger piston return springs for positive inching "neutral."
- larger orifice in trimmer valve line for reduced trim time.

Part Number Changes

New Part Number	Cancelled Part Number	Part Name
6775541	6768446	Plate, Clutch
6775437	6772068	Spring, Piston return
6775540	6773469	Hub, High clutch
	6773485	Gear Assy, Turbine (this assembly is composed of a turbine gear, P/N 6773528 and an orifice, P/N 6756030. Use the detail gear P/N 6773528 in place of the assembly)
	6756030	Orifice
6775530	6773620	Orifice, Trimmer valve

Effect on Interchangeability

All of the new parts can be used, as a group, in all transmissions. None of the old parts can be used in transmissions with serial numbers above S/N 136.

Use of the new clutch plates, P/N 6775541, requires the use of the new hub, P/N 6775540, the new return springs, P/N 6775437, the new trimmer valve orifice, P/N 6775530, and the removal of the orifice tube, P/N 6756030, from the turbine gear. Under no circumstances should the new plates be mingled with the old plates in the same clutch. (Note: The plates can be identified by the number of radial grooves. The new plate has 24, the old plate has 12.)

The new springs, P/N 6775437, can be used in all transmissions but must be used in sets of twelve. New springs must not be mingled with old springs. (Note: The new springs are about 1/2" longer than the old springs and are marked with green paint.)

Spare Parts Information

All old parts in spare parts stock should be used out in transmissions with serial numbers below S/N 137.

Service Manager - Transmissions Operations

Subject: Redesign of Freewheel Clutch Unit

Equipment Effected: TT, TRT-1000 and 2000 Series Transmissions

Effective Serial Number: 4008 1000 Series
10426 2000 Series

Exception: TT-2220 Transmissions, A/N 6778017 conformed at S/N 10043

As a product improvement, material and design changes have been made to improve the durability of the freewheel clutch assembly. Changes reflect a new steel cage, nitride hardened with closer roller-to-cage functional clearances. New cage return springs with guide pins are used, providing dependable, responsive cage action. Improved lube distribution and flow through the assembly permits the oil to keep it flushed clean and free of foreign residue, thereby functionally reliable.

Figure 1 illustrates a cross section of the new freewheel clutch. Figure 2 is Section A-A view of Figure 1.

The parts number changes are as follows:

New Part No.	Old Part No.	Qty.	Part Name
6834629	6774678	1	Cam Assy., Freewheel
6834211	6774679	1	Cage, Freewheel Roller
6834210	6774673	1	Plate, Spring Retainer
6834401	6774674	1	Plate, Bolt Retainer
6833973	6774681	3	Spring, Freewheel Tickle
6834208		3	Pin, Spring

Interchangeability

New parts may be used on transmissions prior to the Effective Serial Number as stated on page 1, but they must be used together.

NOTE: A Service Kit, Part No. 6834673, has been released and is available for servicing transmissions prior to the Effective Serial Number. The kit contains all of the new parts listed above, plus new replacement freewheel rollers. An Instruction Sheet in the kit relates the necessary instructions for assembling a freewheel unit, using the new parts.

Spare Parts Information

The following old parts will be maintained for servicing transmissions prior to the Effective Serial Number.

Part No.	Part Name
6774673	Plate, Spring Retainer
6774681	Spring, Freewheel Tickle

All remaining old parts are hereby completely canceled.

Service Manager, Transmission Operations

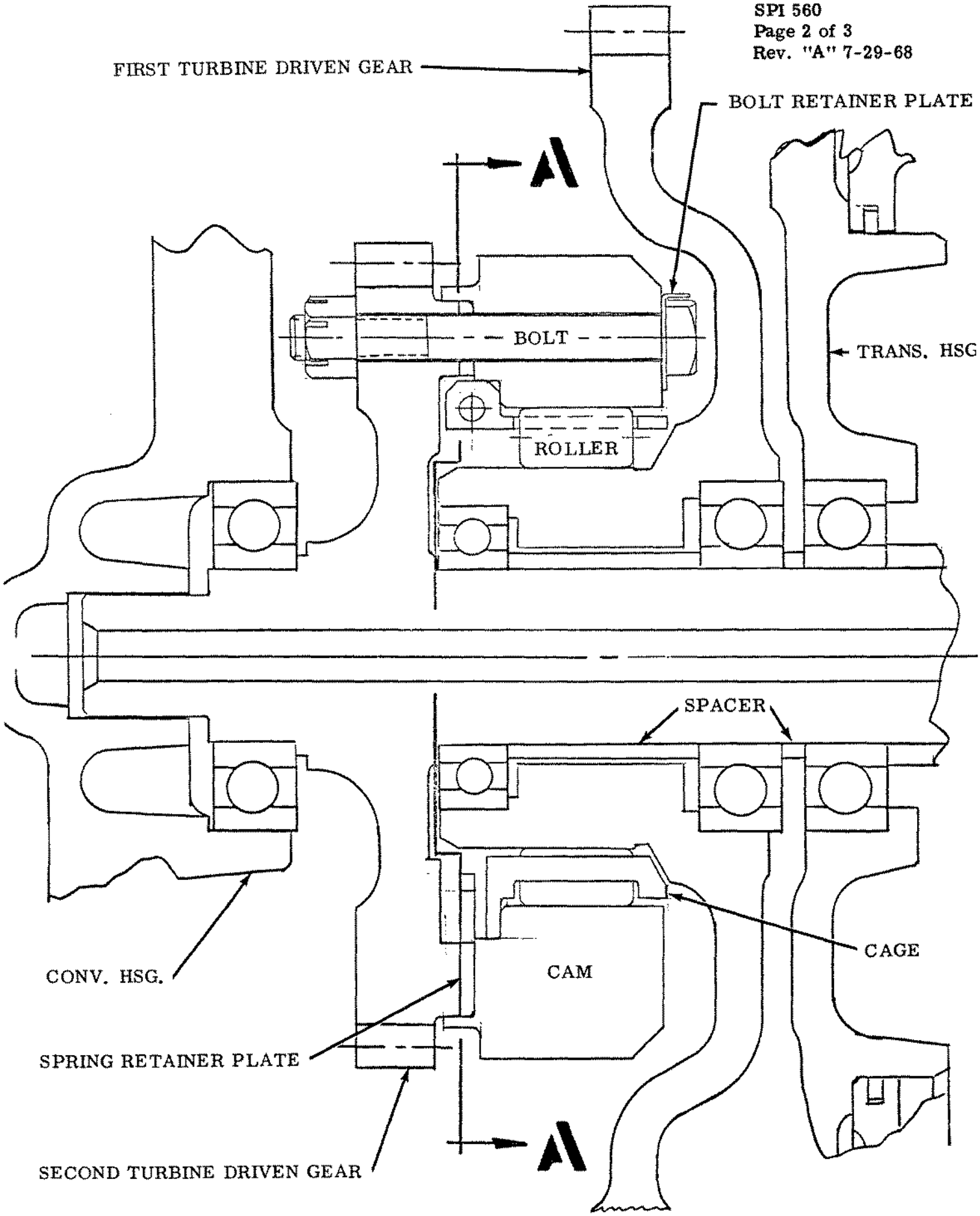


FIG. 1. FREEWHEEL CLUTCH ASSEMBLY - CROSS SECTION

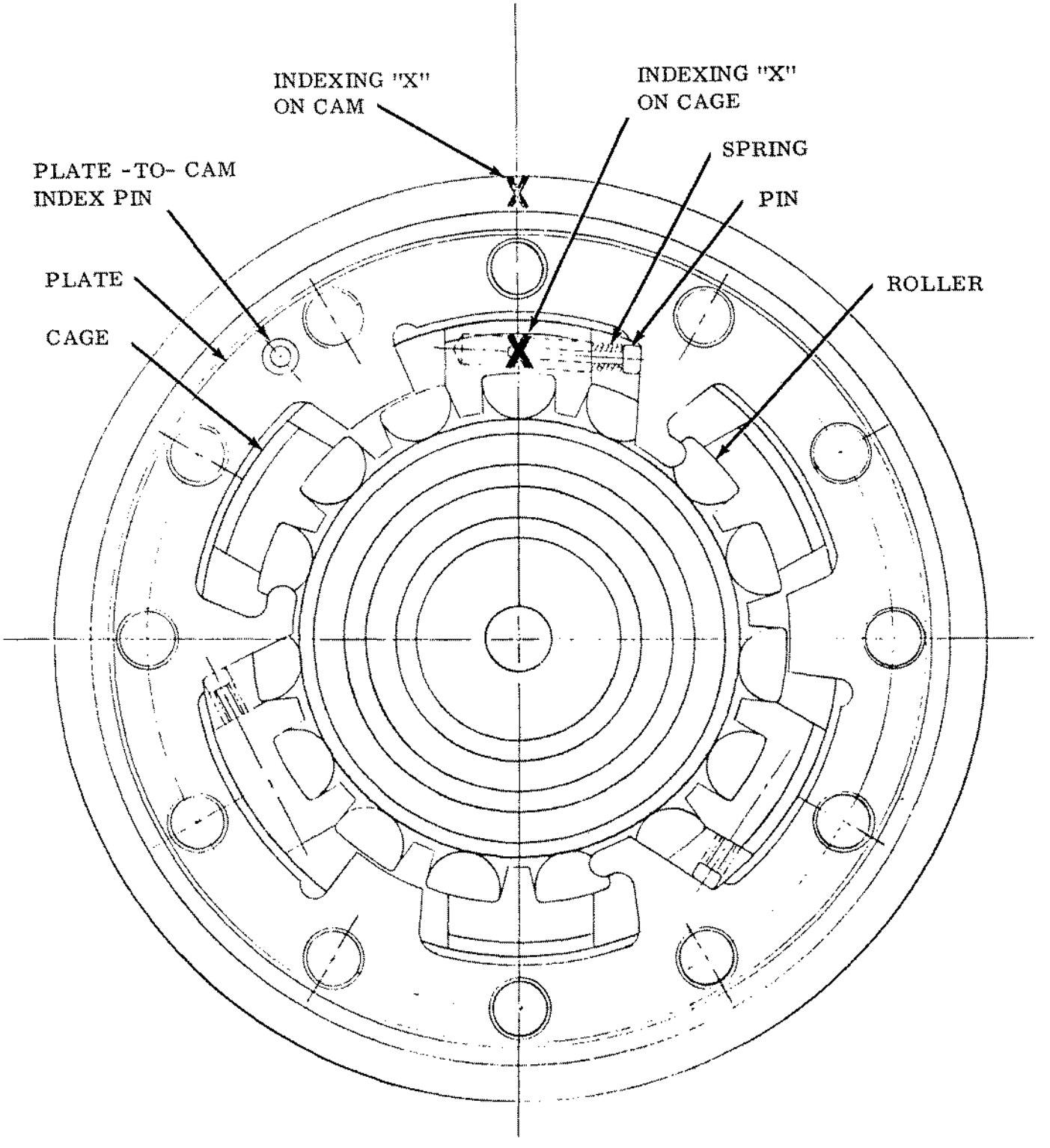


FIG. 2. CLUTCH SPRINGS AND PINS INSTALLED (SECTION A-A, FIG. 1)

Subject: Release of New Control Valve Body Assemblies and Related Parts

Equipment Affected: TT and TRT 1000, 2000 Series Transmissions

Section #1

Effective Serial Number:

TT, TRT 1000

1556	Vale Body Assembly P/N 6831223, 6831229, 6831232, 6831345, 6831945, 6831948 and 6832010
1500	Valve Body Assembly P/N 6831224
1494	Valve Body Assembly P/N 6831221
1393	Valve Body Assembly P/N 6831222
1371	Valve Body Assembly P/N 6831228

TT, TRT, TTB 2000

5156	Valve Body Assembly P/N 6831223, 6831225, 6831226, 6831229, 6831232, 6831345, 6831945, 6831948 and 6832010
5130	Valve Body Assembly P/N 6831221
4982	Valve Body Assembly P/N 6831224
4932	Valve Body Assembly P/N 6831222
4875	Valve Body Assembly P/N 6831228

New control valve body assemblies have been released for all models of the subject transmissions. The body assemblies incorporate major design changes in the hydraulic system to provide improved shift characteristics for both range and directional shifts.

The oil pressure schedules remain the same. The pressures are stated in the pertinent Transmission Service Manual.

Part Number changes are as follows:

New Part No.	Old Part No.	Part Name	Series Affected
6831221	6773717	Body Assy., Control Valve	TT 1000 & 2000
6831222	6773721	Body Assy., Control Valve	TT 1000 & 2000
6831224	6775544	Body Assy., Control Valve	TRT 1000 & TT2000
6831945	6775544	Body Assy., Control Valve	TRT 1000 & 2000
6831945	6775544	Body Assy., Control Valve	TRT 2000
6831225	6776150	Body Assy., Control Valve	TRT 2000
6831226	6776896	Body Assy., Control Valve	TRT 1000 & 2000
6831948	6831226	Body Assy., Control Valve	TRT 2000

New Part No.	Old Part No.	Part Name	Series Affected
6831228	6779105	Body Assy., Control Valve	TT 1000 & 2000
6831229	6779106	Body Assy., Control Valve	TRT 1000 & 2000
6831232	6830716	Body Assy., Control Valve	TRT 2000
6831345	6831342	Body Assy., Control Valve	TRT 1000 & 2000
6832010	6831342	Body Assy., Control Valve	TRT 2000
6831185	6773678	Detail Body, Control Valve	TT 1000, 2000
6831190	6776897	Detail Body, Control Valve	TRT 1000, 2000
6831943	6831190	Detail Body, Control Valve	TRT 2000
6831186	6773677	Detail Body, Control Valve	TT 1000 & 2000
6831191	6775543	Detail Body, Control Valve	TRT 1000, 2000
6831944	6831191	Detail Body, Control Valve	TRT 2000
6831188	6774693	Valve Selector	TT 1000, 2000
6831189	6773589	Valve Selector	TRT 1000, 2000
6773592	6775542	Stop, Valve	TRT 1000, 2000
6831187	6776971	Valve, Main Regulator	TT, TRT 1000, 2000
6830363	6776957	Spring, Main Regulator	TT, TRT 1000, 2000
6830365	6773593	Spring, Trimmer	TT, TRT 1000, 2000
	6775530	Plug, Trimmer	TT, TRT 1000, 2000
6831382	6773712	Gasket, Control Body	TT, TRT 1000 & 2000
6831382	6775554	Gasket, Control Body	TT, TRT 1000 & 2000

Interchangeability Affected

All new parts may be used on transmissions prior to the Effective Serial Number listed on Page 1, but must be used together.

Spare Parts Information

Following old parts will be maintained for servicing transmissions prior to the Effective Serial Number.

Part No.	Part Name
6776971	Valve, Main Regulator
6776957	Spring, Main Regulator
6830292	Spring, Main Regulator
6773593	Spring, Trimmer
6774693	Valve, Selector
6773589	Valve, Selector
6775542	Stop, Valve
6775530	Plug, Trimmer

All remaining old parts are completely cancelled except control valve bodies P/N 6831190, 6831191 and control valve body assembly P/N 6831226 which are used on other transmission assemblies above the Effective Serial Number.

Rev. "E" Section #2

New control valve bodies have been released for all models of the subject transmissions. The valve body assemblies incorporate a provision for use of a neutral start switch, if desired.

Effective Serial Number:

TT, TRT, TTB 2000

S/N 51786	Valve Body Assy.	P/N 6839859
S/N 52095	Valve Body Assy.	P/N 6839857
S/N 52133	Valve Body Assy.	P/N 6839843
S/N 52151	Valve Body Assy.	P/N 6839844
S/N 52160	Valve Body Assy.	P/N 6839858
S/N 52171	Valve Body Assy.	P/N 6839845, 6839847
S/N 52720	Valve Body Assy.	P/N 6839846, 6839849
S/N 52763	Valve Body Assy.	P/N 6839856
S/N 52862	Valve Body Assy.	P/N 6839841
S/N 53111	Valve Body Assy.	P/N 6839862, 6839863, 6839867, 6839874 and 6839875
S/N 53134	Valve Body Assy.	P/N 6839861
S/N 53300	Valve Body Assy.	P/N 6839840
S/N 53837	Valve Body Assy.	P/N 6839848
S/N 53863	Valve Body Assy.	P/N 6839866, 6839868, 6839869, 6839871 and 6839873
S/N 54373	Valve Body Assy.	P/N 6839839
S/N 54375	Valve Body Assy.	P/N 6839860
S/N 56121	Valve Body Assy.	P/N 6839850

Part Number Changes Are As Follows:

New P/N	Old P/N	Part Name	Series Affected
6839839	6837723	Body Assy., Control Valve	2000
6839840	6837724	Body Assy., Control Valve	2000
6839841	6837725	Body Assy., Control Valve	2000
6839843	6837727	Body Assy., Control Valve	2000
6839844	6837728	Body Assy., Control Valve	2000
6839845	6837729	Body Assy., Control Valve	2000
6839846	6837730	Body Assy., Control Valve	2000
6839847	6837731	Body Assy., Control Valve	2000
6839848	6837732	Body Assy., Control Valve	2000
6839849	6837733	Body Assy., Control Valve	2000
6839850	6837734	Body Assy., Control Valve	2000
6839856	6838743	Body Assy., Control Valve	2000
6839857	6838828	Body Assy., Control Valve	2000
6839858	6838829	Body Assy., Control Valve	2000

New P/N	Old P/N	Part Name	Series Affected
6839859	6838809	Body Assy., Control Valve	2000
6839860	6838814	Body Assy., Control Valve	2000
6839861	6839280	Body Assy., Control Valve	2000
6839862	6837925	Body Assy., Control Valve	1000, 2000
6839863	6837926	Body Assy., Control Valve	1000, 2000
6839866	6837927	Body Assy., Control Valve	1000, 2000
6839867	6837929	Body Assy., Control Valve	2000
6839868	6837930	Body Assy., Control Valve	1000, 2000
6839869	6837933	Body Assy., Control Valve	2000
6839871	6837935	Body Assy., Control Valve	1000, 2000
6839873	6837936	Body Assy., Control Valve	1000, 2000
6839874	6837937	Body Assy., Control Valve	1000, 2000
6839875	6837938	Body Assy., Control Valve	1000, 2000
6839929	6837720	Detail Body, Control Valve	2000
6839882	6838146	Detail Body, Control Valve	2000
6839889	6837939	Detail Body, Control Valve	2000
6839890	6837940	Detail Body, Control Valve	2000
6839887	6837701	Detail Body, Control Valve	2000
6839883	6837721	Detail Body, Control Valve	2000
6839891	6831188	Valve, Selector	2000
6839892	6831189	Valve, Selector	2000
6880946	6837700	Valve, Clutch Cutoff	2000
6880391	445090	Plug	2000
6880392	6778306	Washer - Seal	2000

NOTE: Please use the numerical parts history index, located in the back of the parts catalog, in order to determine any P/N changes which may have occurred after the changes listed in Section 2.

Interchangeability Affected

All new parts may be used on transmissions prior to the Effective Serial Number break in Section 2, but must be used together, with the following exceptions:

On transmissions prior to the Effective Serial Numbers listed in Section 1, when replacement of the Detail Valve Body is required, order the latest configuration Valve Body Assembly as reflected in Section 2 of this Service Information Letter.

On 2000 Series transmissions after the Effective Serial Number listed in Section 1, and prior to S/N 35042 when replacement of the Detail Valve Body is required, order the latest configuration Detail Valve Body, as reflected in Section 2 of this Service Information Letter, and one each of the following.

Plug	P/N 6880391
Washer Seal	P/N 6880392
Valve, Clutch Cutoff	P/N 6880946 (Clutch Cutoff V B Assys. Only)
Valve, Selector	(See Table Below)

On 2000 Series transmissions after S/N 35042, but prior to the Effective Serial Numbers listed in Section 2, when replacement of the Detail Valve Body is required, order the latest configuration Detail Valve Body as reflected in Section 2 of this Service Information Letter, and one each of the following.

Plug	P/N 6880391
Washer Seal	P/N 6880392
Valve, Selector	P/N (See Table Below)

Selector Valve P/N	used on	Detail Valve Body P/N's
6839891		6839882, 6839887, 6839889
6839892		6839883, 6839929, 6839888, and 6839890

Installation Affected

The new Detail Valve Bodies have a few dimensional differences, which may or may not affect the installation, depending on the various applications. See Figure 1 for the dimensional changes. Also, please note the clearance required for removal of the neutral start switch, if used.

Space Parts Information

Following old part numbers will be maintained for servicing transmissions prior to the Effective Serial Number in Section 2, but after the Effective Serial Numbers listed in Section 1.

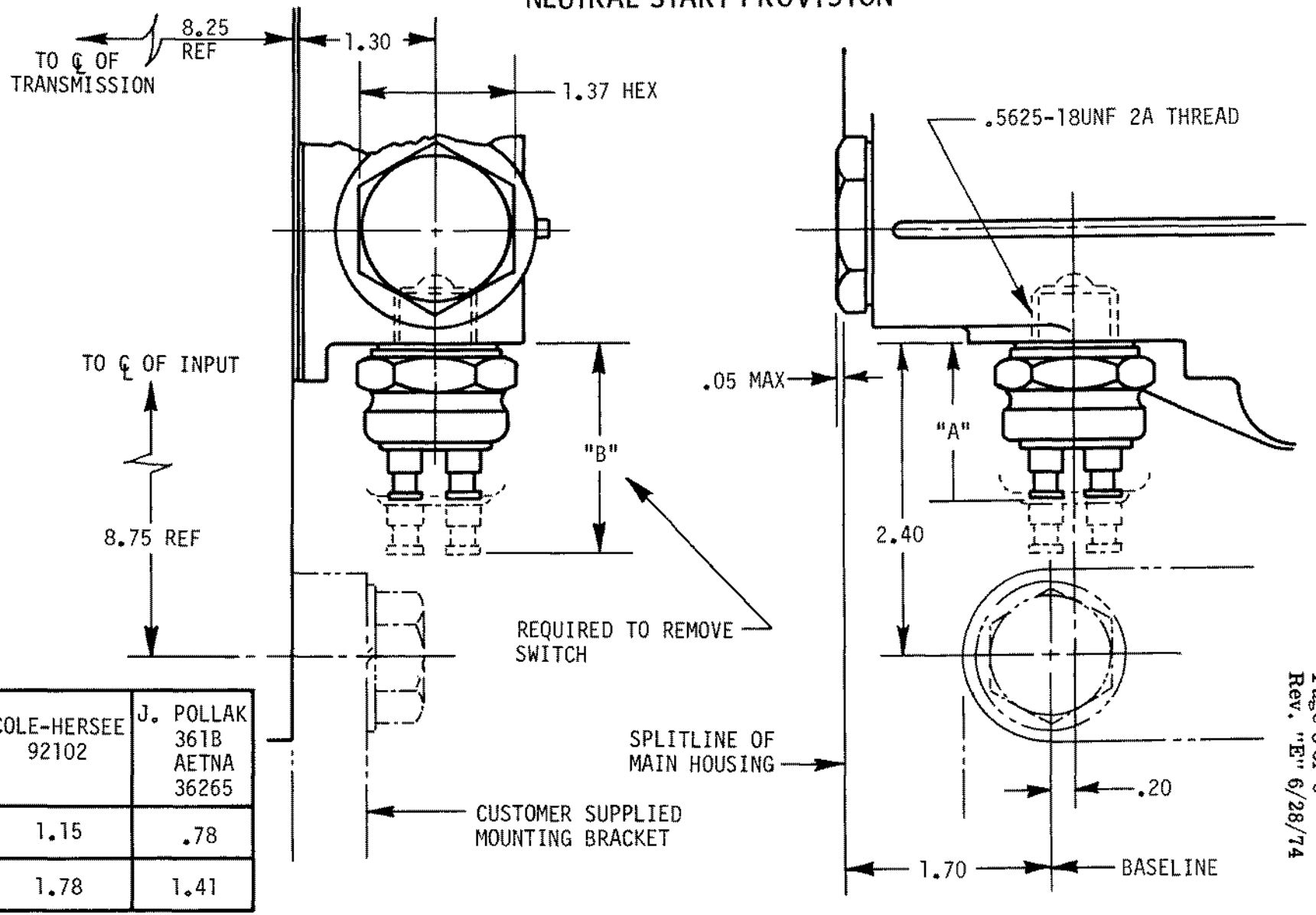
Part Number	Part Name
6831188	Valve, Selector
6831189	Valve, Selector
445090	Plug (used on other model trans.)
6778306	Washer, Seal (used on the other model trans.)

All remaining old parts listed in Section 2 are completely cancelled.

SERVICE MANAGER TRANSMISSIONS

FIGURE 1

NEUTRAL START PROVISION



DIM.	COLE-HERSEE 92102	J. POLLAK 361B AETNA 36265
A	1.15	.78
B	1.78	1.41

This is Rev. "A" to S.I.L. 660. Please destroy your original copy.

Subject: Release of Second Turbine Drive Gear

Equipment Affected: TT, TRT 1000 and 2000 Series Transmissions

Effective Serial Number: 1378 1000 Series
5919 2000 Series

As a product improvement, a new second turbine drive gear has been released for the subject transmissions. A snapring groove has been eliminated from the new shaft to prevent breakage of shaft at the groove and relocated in the torque converter second turbine. Refer to Figure 1. The snapring is used to locate the turbine on the shaft in relation to other converter components. Figure 2 illustrates the old configuration.

Part number changes are as follows:

New Part No.	Old Part No.	Qty.	Part Name
6831810	6773671	1	Turbine, T.C. 2nd (TT, TRT 1200 & 2220 Models Only)
6831811	6777568	1	Turbine, T.C. 2nd (TT, TRT 2420 & TT 1400 Models Only)
6831814	6778395	1	Gear, Second Turbine Drive
	6773552	1	Snapring, External (Gear)
6830114		1	Snapring, Internal (Turbine)

Interchangeability

New parts may be used on transmissions prior to the Effective Serial Number but must be used together.

Service gear available - see Spare Parts Information.

Spare Parts Information

Snapring P/N 6773552 will be maintained for customer service prior to Effective Serial Number.

All remaining old parts are completely canceled for customer service.

NOTE: A service gear P/N 6832391 is available for servicing transmissions prior to the Effective Serial Number when not replacing the T.C. 2nd turbine P/N 6777568 or 6773671. Use snapring P/N 6773552 with this service gear.

Service Manager, Transmission Operations

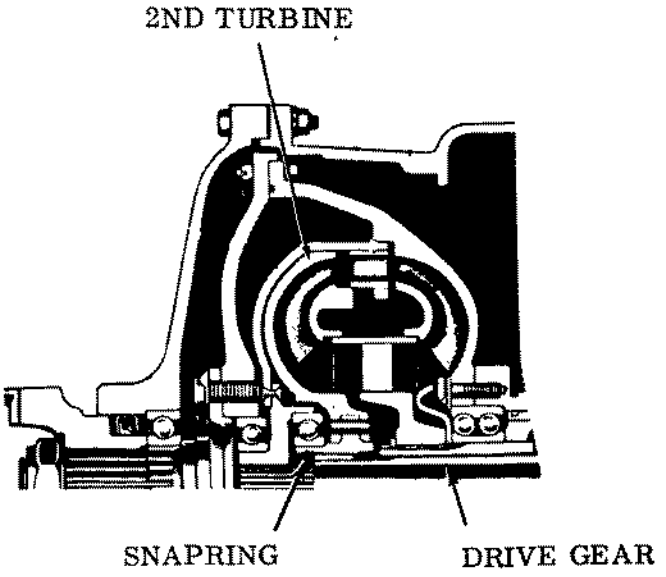


FIGURE 1. NEW CONFIGURATION

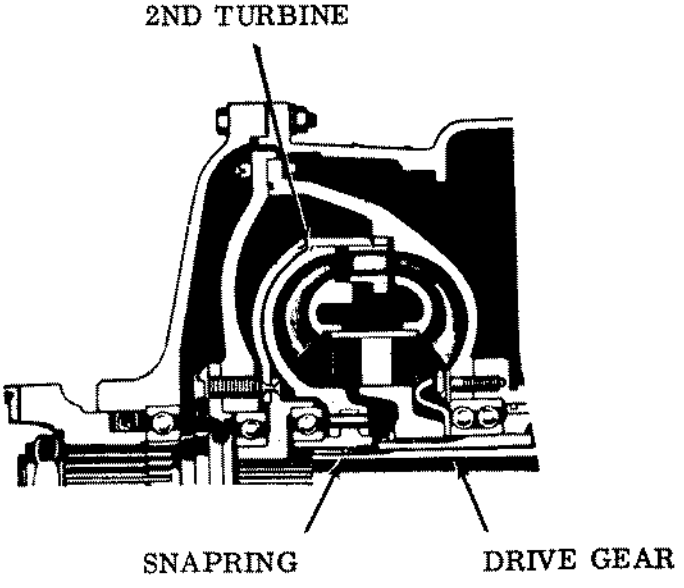


FIGURE 2. OLD CONFIGURATION

Subject: Redesign of High Range Clutch Assembly

Equipment Affected: TT 2000-1 Model Transmission

Effective Serial Number: 5965

As a product improvement, the high range clutch of the subject transmissions has been redesigned. The new configuration provides a more durable and reliable driving medium. Service and parts replacement costs are reduced by the simplicity of this construction.

Part number changes are as follows:

All TT Units

New Part No.	Old Part No.	Qty	Part Name
6777591	6775540	1	Hub, High Clutch
6777592	6775541	2	Plate, Internal Splined
9409018		12	Bolt
9422846		12	Washer
6778498		6	Lockstrip
103025		12	Nut
6830730	6773476	1	Piston, High Clutch
	907426	1	Bearing

Standard Units Only (Non-Speedo Drive)

New Part No.	Old Part No.	Qty	Part Name
6830726		1	Housing Assy., High Clutch
6830727	6773475	1	Housing, High Clutch
6757034		1	Bushing
	6770432	1	Sealring
6777505	6776714	1	Cover, Trans. Rear

Speedo Drive Units Only

New Part No.	Old Part No.	Qty	Part Name
6830728	6775821	1	Housing Assy., High Clutch
6830729	6775820	1	Housing, High Clutch
6757034		1	Bushing

Interchangeability Affected

New parts may be used on transmission prior to the Effective Serial Number on Page 1, but must be used together.

Spare Parts Information

All old parts will be maintained for servicing transmissions prior to the Effective Serial Number.

Assembly Procedure

Transmission assembly procedures remain the same up to and including the installation of the transfer drive gear assembly (1) and securing it with snapring (2), illustrated in Figure 1 and Figure 2. Installation of new clutch components are as follows:

1. Install external-tanged clutch plate (3) and two friction clutch plates (4) onto high clutch hub (5), as illustrated.

2. Secure plates with twelve bolts (6), twelve washers (7), twelve nuts (8) and six lockstrips (9). Torque nuts 14-18 lb. ft. Bend a corner of lockstrip against a "flat" of each nut.

3. Install snapring P/N 6755903 (shown in Fig. 2, Item 3) on shaft portion of clutch hub (5).

4. Install clutch hub with assembled parts into transmission.

5. Install high clutch piston housing (10) and piston assembly (11) with associated parts.

6. Secure piston housing assembly with six bolts (12) and lock tabs (13). Torque bolts 83-100 lb. ft. Bend a corner of each lock tab against a "flat" of the bolt head.

7. Install transmission rear cover (14) with associated parts and secure with nineteen bolts (15) and lock washers (16). Torque the bolts 26-32 lb. ft.

Service Manager—Transmissions Operations

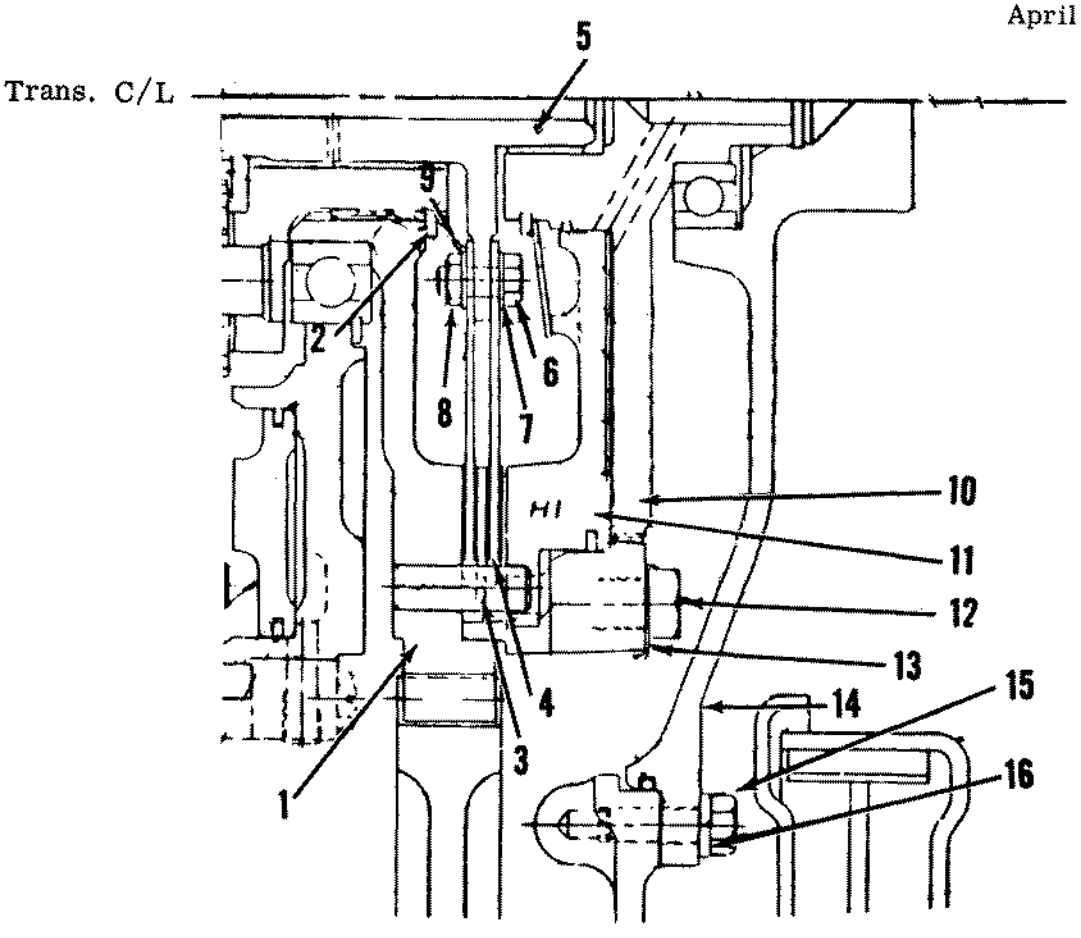


FIG. 1. HIGH CLUTCH - NEW CONFIGURATION

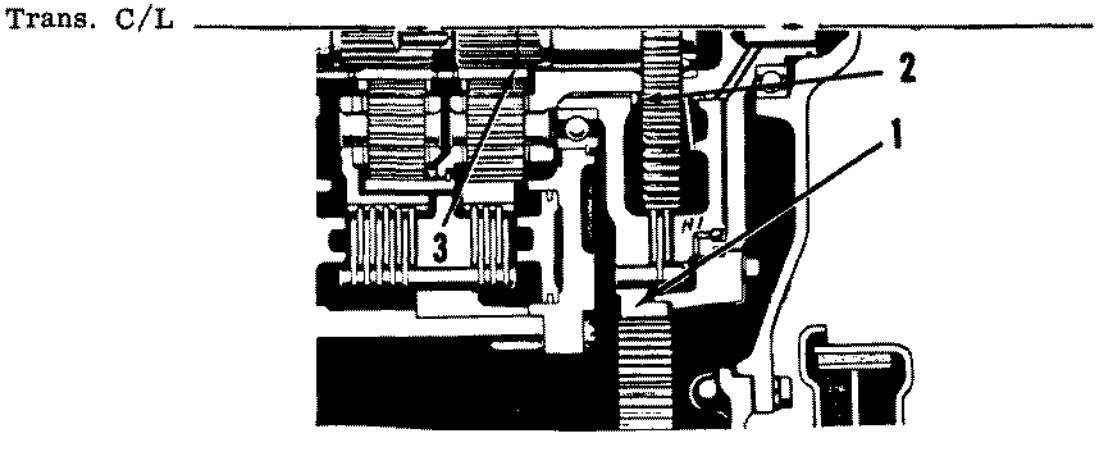


FIG. 2. HIGH CLUTCH - OLD CONFIGURATION

Subject: Release of New Charging Oil Pump Assembly

Equipment Effected: TT and TRT-1000 Series Transmissions

Effective Serial Number: 4250

Exception: TT-1220 Transmission, A/N 6830899 conformed at Serial Number (S/N) 4301

A higher capacity oil pump assembly has been released for the subject transmissions. The new pump assures ample oil volume under all operating conditions. In addition, this pump change permits parts standardization within the Twin Turbine Transmission family.

The part number changes are as follows:

New Part No.	Old Part No.	Qty.	Part Name
6776960	6777526	1	Pump Assy. (4-bolt, "C" pad) Charging Oil
6776959	6779091	1	Pump Assy. (2-bolt, "B" pad) Charging Oil
6776965	6778347	1	Gear, Accessory Driven
179851	179849	2	Bolt, Hex Head

Interchangeability

New parts may be used on transmissions prior to the Effective Serial Number, but must be used together.

Torque of mounting bolts remains the same - 26 to 32 lb. ft.

Spare Parts Information

Rev. "A" All old parts will be maintained for servicing transmissions prior to the Effective Serial Number.

Service Manager - Transmission Operations

Subject: Release of "B Spline" Accessory Drive Shaft Assembly

Equipment Affected: TT, TRT 1000 and 2000 Series Transmissions

Effective Serial Number: 32262 Transmission Housing A/N 6836521

24979 Transmission Housing A/N 6836522

29250 Transmission Housing A/N 6836523

28545 Transmission Housing A/N 6836524

28589 Transmission Housing A/N 6836525

As a product improvement, a "B" size spline accessory shaft assembly has been released to accommodate customers larger capacity steer pump. The new shaft assembly has a 16/32 pitch, 13 tooth internal spline. The present "A" size (16/32, 9 tooth) accessory shaft assembly will also be available for the TT, TRT transmissions. To provide for interchangeability between the A and B drive shafts, dimensional changes to the A size shaft O.D. and transmission housing bore was necessary, plus a new oil seal.

The part number changes necessary are as follows:

New Part No.	Old Part No.	Part Name	Qty.
6836270		Shaft Assy., "B: Spline Acc. Drive	1
6836520		Shaft, "B" Spline Acc. Drive	1
6836269	6835788	Shaft Assy., "A" Spline Acc. Drive	1
6836519	6835769	Shaft, "A" Spline Acc. Drive	
6775412	6773201	Seal, Oil	1
6836521	6832703	Housing, Transmission	1
6836522	6777355	Housing, Transmission	1
6836523	6777412	Housing, Transmission	1
6836524	6777356	Housing, Transmission	1
6836525	6777413	Housing Assy., Transmission	1
6836279	6774572	Cap, Accessory Drive	1

Interchangeability

New parts may be used on transmissions prior to the Effective Serial Number but they must be used together.

The new "A" or "B" shaft assembly with new seal can be used in the new housings.

Spare Parts Information

The following old parts will be maintained for servicing transmissions prior to the Effective Serial Number as follows:

Part No.	Part Name
6835788	Shaft Assembly, "A" Spline Accessory Drive
6835769	Shaft, "A" Spline Accessory Drive
6773201	Seal, Oil
6774572	Cap, Accessory Drive

The following old parts are hereby completely canceled for customer service:

Part No.	Part Name
6832703	Housing, Transmission
6777355	Housing, Transmission
6777412	Housing, Transmission
6777356	Housing, Transmission
6777413	Housing Assembly, Transmission

Service Manager - Transmissions Operations

Subject: Release of New Transmission Rear Cover, P/N 6884927

Equipment Affected: TT-2000-1 Model Transmissions

Effective Serial Number: 94640

As a product improvement, a heavier duty transmission rear cover has been released for the subject transmissions. The new cover design reflects added ribs and an increase in thickness. This change provides a more rigid support for the mating high range clutch housing, thereby improving the overall service life and reliability of the high range clutch assembly.

The part number change as a result of this product improvement is as follows:

New Part No.	Old Part No.	Qty	Part Name
6884927	6883978	1	Cover, Transmission Rear

Interchangeability

New rear cover P/N 6884927 is fully interchangeable on transmissions in field service except those transmissions incorporating high range clutch housing P/N 6835759 that has sixty (60) reinforcing cast ribs on the outer side of housing. Those clutch housings P/N 6835759 that have only twenty-four (24) reinforcing cast ribs (latest configuration) on the outer side of housing are compatible with the new rear cover P/N 6884927.

NOTE: When high range clutch housing P/N 6835759 was first released in Production built transmissions at serial number (S/N) 32138, the housing had sixty (60) ribs extending out from the center of housing (outer side). During early 1973 (S/N 46500 approx.) the rib configuration was changed from a 60 to 24 rib configuration - part number of the housing remained the same. Therefore, when servicing the transmission rear cover or high range clutch housing of the subject transmissions, be sure to use a high clutch housing P/N 6835759 24 rib configuration and the new rear cover P/N 6884927. New cover is not compatible with a sixty (60) rib configuration high range clutch housing P/N 6835759.

Spare Parts Information

Old transmission rear cover P/N 6883978 is hereby completely cancelled for customer service.

Service Manager, Transmission Operations

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 transmission assembly part number to identify the right group.

PART NO	FIG NO	REF NO	HISTORY
X22841			RB 6776421
103025	10-4	7	
103025	10-5	7	
103025	10-6	6	
103025	10-7	6	
103026	2	12	
103320	12	14	
103320	18	2	
103321	2	11	
103321	7	12	
103321	7	18	
103321	7-1	14	
103321	11-2	11	
103321	12	5	
103321	12	18	
103321	12	30	
103321	12-1	3	
103321	12-1	16	
103321	12-2	15	
103321	12-2	23	
103321	12-3	9	
103321	14	2	
103321	14	6	
103321	14	19	
103321	15	2	
103321	19	8	
103321	19	10	
103322	5	2	
103322	5	12	
103323			RB 6831463
103325	17	19	
103342	5	3	
103342	5	13	
117884			RB 141274
141157	10	18	
141157	10-5	29	
141189	10-1	3	
141189	11-1	3	
141189	11-2	14	
141274			R 117884
141274	19	13	
141281	5	9	
141281	5	39	
141281	14	16	
142862			RB 145372
143482	12-2	25	
143938	7	22	
143938	7-1	21	
145372			R 142862
145372	7	16	
145372	7-1	10	
145643	13	5	
145657	15	30	
148409			R 9417600
148409	14	13	
178685	12-2	27	
179819	18	1	
179827	12	15	
179837	7-1	15	
179838	7	13	
179838	7	17	
179839	15	3	
179840	11-2	10	
179840	12	6	
179840	12	19	
179840	12-2	16	
179840	19	11	
179843	12	29	
179845	12-1	17	
179847	14	3	
179847	19	9	
179849			R 179851
179849	14	5	
179849	15	4	
179850	12-1	4	
179850	12-2	24	
179851			RB 179849
179851	14	5	
179851	14	20	
179861	5	11	
179869	5	1	
179882	2	6	
181379	2	2	
181429			RB 6831463
181441	10	21	
181441	10-4	25	
181441	10-5	24	
181441	10-5	33	
181441	10-6	24	
271556	17	18	
272547	12-3	10	
274070			RB 444687
274070			RB 444776
274410	9	41	
274889	6	11	
444576			RB 444618
444592			RB 444594
444592	7-1	20	
444594			R 444592
444594	7	14	
444612			RB 444618
444612	7-1	16	
444612	7-1	17	
444612	15	27	
444612	15	36	
444612	15	47	
444618			R 444576
444618			R 444612
444618	7	23	
444618	7	24	
444654	9	39	
444654	9-1	25	
444654	12	31	
444654	12-1	12	
444660			RB 444687
444660	12	3	
444660	12-1	13	
444672			R 445751
444672	7	7	
444672	7-1	7	

R - REPLACES RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY		PART NO	FIG NO	REF NO	HISTORY	
444687			R	274070	907808	12-2	6		
444687			R	444660	907819	13	18		
444687	12	3			907835			RB	907418
444687	12-2	9			908195			R	907431
444691			RB	6834112	908195	4	16		
444776			R	274070	954528	4	6		
444776	9	17			954528	5	28		
444776	9-3	22			954528	9-2	10		
444776	12-1	15			954528	9-2	19		
445751			RB	444672	2043587	12	13		
451006	2	9			2455168	17	3		
451006	3	6			3224773	18	4		
451006	3	16			5178994			RB	6835718
454823			R	9409514	6700213	8	11		
454823	4	10			6700213	8-1	16		
455633			RB	456655	6700213	9	6		
455633	12-2	28			6700213	9-3	6		
456655			R	455633	6700213	10-3	8		
456655	12-2	28			6700213	11	8		
456841	10-5	22			6701353	15	7		
456841	10-6	21			6701353	15	34		
546864			RB	6830004	6702951			RB	6831469
552868	12	9			6703059	4	7		
560545	6	2			6703133	12	22		
683496			RB	6835502	6703159	13	8		
903002	18	9			6750020	12-2	5		
903010	10-4	28			6750127	16	3		
903010	19	19			6750259	5	15		
903014	9-1	22			6750259	10	5		
903208	4	1			6750259	10-4	5		
903211	2	5			6750259	10-5	5		
903212	12	21			6750259	10-6	3		
903212	12-1	6			6750259	10-7	3		
905599	5	21			6750259	11-1	10		
906729	5	16			6750259	19	18		
907418			R	907835	6750265			RB	6882702
907418			RB	9433260	6750337	10-1	9		
907424			RB	9437254	6750337	10-2	10		
907425			RB	907808	6750337	10-3	17		
907426	10	8			6750337	11	17		
907427	6	4			6750337	11-1	9		
907428	5	14			6750337	11-2	20		
907429	10	1			6750558	15	23		
907429	10-4	1			6752033	18	3		
907429	10-5	1			6752035	18	5		
907429	10-6	1			6753866	3	8		
907429	10-7	1			6753893	12-3	7		
907429	11-2	1			6753893	13	2		
907431			RB	908195	6753893	13	19		
907445	16	6			6754815	12-1	23		
907446	16	2			6754823	10	13		
907691	11-2	4			6754823	10-4	17		
907801	18	7			6754823	10-5	16		
907808			R	907425	6754823	10-6	14		
907808	6	1			6754823	10-7	14		
907808	6	17			6754832	10-2	1		
907808	6	19			6754852	9	22		
907808	10	24			6754852	9	28		
907808	10-5	25			6754852	9-1	6		
907808	10-6	22			6754852	9-1	32		

R - REPLACES RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY
6754852	9-2	5	
6754852	9-3	27	
6754852	9-3	33	
6754852	11-1	19	
6754866	9	23	
6754866	9	29	
6754866	9-1	7	
6754866	9-1	33	
6754866	9-2	6	
6754866	9-3	28	
6754866	9-3	34	
6754866	11-1	20	
6754867	9	24	
6754867	9	30	
6754867	9-1	8	
6754867	9-1	34	
6754867	9-2	7	
6754867	9-3	29	
6754867	9-3	35	
6754867	11-1	21	
6755007	9	8	
6755007	9-1	10	
6755007	9-2	9	
6755007	9-3	8	
6755269	1	23	
6755333			RB 6832099
6755903	10	6	
6755903	10-4	6	
6755903	10-5	6	
6755903	10-6	4	
6755903	10-7	4	
6755903	12-2	1	
6755913	15	11	
6755988	4	14	
6756134	10	12	
6756134	10-4	16	
6756134	10-5	15	
6756134	10-6	13	
6756134	10-7	13	
6756586	8	9	
6756586	8-1	14	
6756586	9	5	
6756586	9-3	5	
6756654			RB 6838456
6756665			RB 6838457
6756667			RB 6838458
6756739	10	11	
6756739	10-4	15	
6756739	10-5	14	
6756739	10-6	12	
6756739	10-7	12	
6756835	13	15	
6757034	10-4	22	
6757034	10-5	20	
6757034	10-5	27	
6757034	10-6	18	
6757034	10-7	18	
6757149	9	19	
6757149	8-1	24	
6757152	8	12	
6757152	8-1	17	
6757152	9	4	
6757152	9-3	4	
6757164	9	1	
6757164	9-1	1	
6757164	9-2	1	
6757164	9-3	1	
6757184	1	22	
6757184	1-1	10	
6757184	1-1	23	
6757189			RB 6833437
6757227	9-1	4	
6757227	9-1	36	
6757229	10-1	6	
6757229	10-2	13	
6757229	10-3	20	
6757229	11	20	
6757229	11-1	6	
6757229	11-2	17	
6757230	2	7	
6757233	9-1	2	
6757243	1	23	
6757243	1-1	9	
6757243	1-1	22	
6757246	13	10	
6757254	2	3	
6757256	2	13	
6757357	17	10	
6757447	5	31	
6757447	5	34	
6758030	2	4	
6758042	3	12	
6758042	16	4	
6758259	17	16	
6758260	17	14	
6758261	17	15	
6758262	17	13	
6758305	15	22	
6758306	15	26	
6758337	7	11	
6758337	7	27	
6758503			RB 6765710
6758503	15	20	
6759471			R 6768445
6759471			RB 6777453
6759488	8	15	
6759491	10-1	8	
6759491	10-3	18	
6759491	11	18	
6759491	11-2	19	
6759504			RB 6833930
6759509			RB 6837422
6759551			RB 6838459
6762867			RB 6835737
6765238			R 9409950
6765238	5	10	
6765238	5	40	
6765710			R 6758503
6765710			R 6831441
6765710	15	20	

R - REPLACES RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY		PART NO	FIG NO	REF NO	HISTORY	
6765710	19	12			6772051			RB	6774593
6768267			RB	6837211	6772055			RB	6774599
6768283	10-1	7			6772068			RB	6775437
6768283	11-2	18			6772140	1	21		
6768324	1	22			6772141	1	21		
6768417	12	11			6772187	13	9		
6768418	12	12			6772407			RB	6830463
6768445			RB	6759471	6772408			RB	6830464
6768445			RB	6777452	6772643			RB	6774155
6768446			RB	6775541	6772740	15	24		
6768536	12	10			6772740	15	32		
6768804			RB	6830429	6773201			RB	6775412
6768988			RB	6774714	6773275	1	20		
6769178	1	20			6773373			R	6775576
6769251			RB	6770253	6773373	2	1		
6769580	12-1	21			6773373	12-1	20		
6769590	14	18			6773457			RB	6839667
6769681			RB	6833368	6773457	1	2		
6769715	9	25			6773457	1	4		
6769715	9	31			6773457	1-1	2		
6769715	9-1	9			6773458			RB	6880159
6769715	9-1	35			6773459	10	4		
6769715	9-2	8			6773459	10-4	4		
6769715	9-3	30			6773459	10-5	4		
6769715	9-3	36			6773460	7	21		
6769715	11-1	22			6773460	7-1	22		
6769716			RB	6779422	6773461	10	20		
6769818	3	15			6773461	10-4	24		
6769936	7	9			6773461	10-5	23		
6769936	7-1	8			6773461	10-5	32		
6770171	1-1	26			6773461	10-6	23		
6770253			R	6769251	6773462	8	13		
6770253			RB	6833934	6773463			RB	6775645
6770298	15	38			6773464	13	6		
6770432			RB	6839163	6773465	1	7		
6770820	7-1	12			6773466	2	1		
6770894	11-1	7			6773466	12-1	20		
6770899	10-3	5			6773466	12-3	8		
6770899	11	5			6773466	13	1		
6770904	10-3	4			6773466	13	20		
6770904	11	4			6773467			RB	6836332
6770932	10-7	22			6773468	13	7		
6770953	10-3	9			6773469			RB	6775540
6770953	11	9			6773470			RB	6777562
6770955	10-3	6			6773471			RB	6880098
6770955	11	6			6773472			RB	6880099
6771273			RB	6839079	6773473			RB	6839153
6771378	15	26			6773474			RB	6836335
6771478	10-3	7			6773475	10	17		
6771478	11	7			6773476	10	14		
6771675	17	11			6773476	10-4	18		
6771854	1	25			6773477	12	1		
6771855	1	25			6773477	12-2	7		
6771913	15	25			6773477	19	1		
6771914	15	22			6773478	13	13		
6771957	14	4			6773479	9	15		
6772045			RB	6774596	6773482			RB	6839154
6772046			RB	6774595	6773483	5	20		
6772050			RB	6774598	6773483	5	23		
6772050			RB	6880484	6773486	4	11		

R - REPLACES RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY		PART NO	FIG NO	REF NO	HISTORY	
6773487	5	6			6773599			RB	6776971
6773487	5	36			6773601			RB	6777457
6773488	5	17			6773602			RB	6835702
6773490			RB	6835421	6773603			RB	6835769
6773491	4	12			6773606			RB	6774597
6773492	4	18			6773607	15	18		
6773494	5	27			6773609			RB	6777484
6773495			RB	6778395	6773610			RB	6777485
6773496	2	8			6773616	15	19		
6773497			RB	6776856	6773617			RB	6777322
6773498	8	14			6773618	15	6		
6773498	8-1	19			6773618	15	35		
6773499	2	3			6773620			RB	6775530
6773506	2	10			6773621			RB	6777323
6773511			RB	6778204	6773622	15	12		
6773528			RB	6774677	6773639			RB	6831161
6773535			RB	6776407	6773647			RB	6777355
6773536			RB	6776960	6773648			RB	6777318
6773537			RB	6776429	6773649			RB	6777320
6773538			RB	6776427	6773650			RB	6777499
6773538	14	11			6773657	4	4		
6773539			RB	6776428	6773660	4	2		
6773539	14	17			6773661			RB	6832996
6773540			RB	6776425	6773662			RB	6836457
6773540	14	10			6773663	13	13		
6773541			RB	6776426	6773664			RB	6836801
6773541	14	12			6773667	4	8		
6773542			RB	6777316	6773669			RB	6831205
6773543	14	9			6773670	4	8		
6773544			RB	6777354	6773671			RB	6831810
6773546			RB	6776431	6773673	4	3		
6773547			RB	6776959	6773676			RB	6777356
6773548			RB	6777538	6773677			RB	6831186
6773549			RB	6832106	6773678			RB	6831185
6773549			RB	6880086	6773689	5	30		
6773550			RB	6777539	6773702			R	6774123
6773551			RB	6880795	6773702			RB	6778068
6773552	5	19			6773712			RB	6831382
6773553	1	6			6773713	15	37		
6773554			RB	6776421	6773717			RB	6831221
6773554			RB	6880093	6773721			RB	6831222
6773554			RB	6880161	6773806	10-1	15		
6773554	1	6			6773806	11-1	23		
6773555			RB	6834176	6773806	11-2	29		
6773557	8	18			6774007			RB	6777448
6773557	8-1	23			6774008			R	6774107
6773570			RB	6835141	6774008	3	7		
6773571			RB	6880094	6774012	3	2		
6773571			RB	6880162	6774012	3	4		
6773572			RB	6880087	6774026			RB	6776103
6773573			RB	6880088	6774048	5	8		
6773583			RB	6774572	6774048	5	38		
6773584			RB	6774572	6774092			RB	6831223
6773586			RB	6777173	6774107			RB	6774008
6773589			RB	6774693	6774123			RB	6773702
6773589			RB	6831189	6774155			R	6772643
6773592			R	6775542	6774155	15	31		
6773592	15	13			6774184	9-2	18		
6773593			RB	6830365	6774262			RB	6837700
6773594			RB	6774889	6774342			RB	6776999

R - REPLACES RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY		PART NO	FIG NO	REF NO	HISTORY	
6774343			RB	6776995	6775496	10-1	2		
6774344			RB	6776998	6775498	9-1	5		
6774345			RB	6776749	6775499	9-1	3		
6774346			RB	6776745	6775502			RB	6777003
6774347			RB	6776750	6775504	10-1	10		
6774474	5	42			6775504	11-2	2		
6774474	20	4			6775504	11-2	24		
6774572			R	6773583	6775505	10-3	11		
6774572			R	6773584	6775505	11	11		
6774572			RB	6836279	6775506	10-2	5		
6774572	13	21			6775506	10-3	13		
6774593			R	6772051	6775506	11	13		
6774593	15	44			6775508	10-2	2		
6774594	15	43			6775508	10-3	10		
6774595			R	6772046	6775508	11	10		
6774595			RB	6838473	6775510	12-1	8		
6774596			R	6772045	6775515	17	10		
6774596	15	45			6775516	12-1	9		
6774597			R	6773606	6775517	10-1	1		
6774597	15	40			6775517	11-1	1		
6774598			R	6772050	6775517	11-2	12		
6774598			RB	6838472	6775518	12	27		
6774599			R	6772055	6775518	12-1	10		
6774599	15	39			6775519	9-1	21		
6774671	6	15			6775520	9-1	27		
6774672	6	18			6775520	11-2	9		
6774673			RB	6834210	6775522	9-1	24		
6774675	6	16			6775527	10-2	6		
6774677			R	6773528	6775527	10-3	14		
6774677			RB	6839155	6775527	11	14		
6774678			RB	6834209	6775529	9	38		
6774678			RB	6834629	6775529	9-1	23		
6774680	6	14			6775529	12-1	14		
6774681			RB	6833973	6775530			R	6773620
6774693			R	6773589	6775530	15	10		
6774693			RB	6831188	6775531	7	28		
6774714			R	6768988	6775531	7-1	24		
6774714	8	17			6775532			RB	6777413
6774714	8-1	22			6775539	12	28		
6774739	1	29			6775539	12-1	11		
6774889			R	6773594	6775540			R	6773469
6774889			RB	6776957	6775540	10	7		
6775127			RB	6776996	6775541			R	6768446
6775412			R	6773201	6775541	8	6		
6775412	16	7			6775541	8	21		
6775414	3	13			6775541	8-1	11		
6775437			R	6772068	6775541	9	9		
6775437	8	16			6775541	9	32		
6775437	8-1	21			6775541	9-1	11		
6775481	10-1	14			6775541	9-2	12		
6775481	11-2	28			6775541	9-3	9		
6775484	10-3	21			6775541	10	10		
6775484	11	21			6775541	10-1	11		
6775485	12-1	1			6775541	10-2	7		
6775485	12-3	1			6775541	10-3	15		
6775486	12-1	2			6775541	11	15		
6775487	9-1	26			6775541	11-1	15		
6775494	10-3	12			6775541	11-2	25		
6775494	11	12			6775542			RB	6773592
6775495	10-1	4			6775543			RB	6831191

R - REPLACES RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY
6775544			RB 6831224
6775546	7-1	25	
6775547	7-1	13	
6775548			RB 6777311
6775549			RB 6777317
6775576			RB 6773373
6775645			R 6773463
6775645			RB 6834961
6775749			RB 6830431
6775751	12-1	5	
6775804	10-3	1	
6775804	11	1	
6775805	10-3	3	
6775805	11	3	
6775806	10-3	2	
6775806	11	2	
6775816			RB 6776715
6775818	12	8	
6775819	12	7	
6775820	10	17	
6775821	10	16	
6775822	10	19	
6775822	10-5	30	
6775936			RB 6777405
6775938			RB 6830474
6776004	9-2	11	
6776005	12-1	22	
6776006		27	
6776006	5	27	
6776007	6	15	
6776008	9-2	20	
6776009	9-2	3	
6776010	9-2	4	
6776031	9-1	26	
6776103			R 6774026
6776103			RB 6777449
6776150			RB 6831225
6776154	9-1	24	
6776157	11-1	2	
6776157	11-2	13	
6776158	11-1	4	
6776158	11-2	15	
6776396	11-2	6	
6776396	12	7	
6776396	12-2	8	
6776404			RB 6881696
6776407			R 6773535
6776407			RB 6881689
6776421			R X22841
6776421			R 6773554
6776421			RB 6880095
6776421			RB 6880163
6776421	1	6	
6776425			R 6773540
6776425	14	10	
6776426			R 6773541
6776426	14	12	
6776427			R 6773538
6776427			RB 6883964
6776428			R 6773539
6776428	14	17	
6776429			R 6773537
6776429			RB 6881695
6776431			R 6773546
6776431			RB 6881688
6776508	4	4	
6776536	3	18	
6776578	9	18	
6776578	9-2	2	
6776578	9-3	23	
6776714	12	4	
6776715			R 6775816
6776715	12	4	
6776727			RB 6833498
6776728			RB 6776965
6776745			R 6774346
6776745			RB 6776995
6776746			RB 6776996
6776749			R 6774345
6776749			RB 6776999
6776750			R 6774347
6776750			RB 6776998
6776753			RB 6777003
6776769	9-1	31	
6776770	9-1	30	
6776838	15	41	
6776839			RB 6831250
6776840	12-1	22	
6776853	7	25	
6776853	7	26	
6776853	7-1	18	
6776853	7-1	19	
6776854	19	6	
6776856			R 6773497
6776856			RB 6777456
6776857	12-1	19	
6776858	1	9	
6776859	12-1	18	
6776864	11-2	23	
6776865	11-2	3	
6776866			RB 6830589
6776871	9	21	
6776872	9	20	
6776872	9-3	25	
6776875	11-2	22	
6776876	11-2	21	
6776877	9	19	
6776877	9-3	24	
6776878	11-2	8	
6776892	12	16	
6776893	12	17	
6776894	11-2	5	
6776895	11-2	7	
6776896			RB 6831226
6776897			RB 6831190
6776928	12	24	
6776929	12	25	
6776930	17	1	
6776957			R 6774889
6776957			RB 6830363

R - REPLACES RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY		PART NO	FIG NO	REF NO	HISTORY	
6776959			R	6773547	6777311	7-1	11		
6776959			RB	6837904	6777316			R	6773542
6776960			R	6773536	6777316	14	1		
6776960			RB	6881694	6777317			R	6775549
6776965			R	6776728	6777317			RB	6835470
6776965	5	4			6777318			R	6773648
6776971			R	6773599	6777318	7	19		
6776971			RB	6831187	6777320			R	6773649
6776995			R	6774343	6777320			RB	6835471
6776995			R	6776745	6777322			R	6773617
6776995	8	2			6777322	7	3		
6776995	9	13			6777322	7-1	3		
6776995	9-1	15			6777323			R	6773621
6776995	9-2	16			6777323	7	4		
6776996			R	6775127	6777323	7-1	4		
6776996			R	6776746	6777354			R	6773544
6776996	10-1	5			6777354			RB	6881690
6776996	11-1	5			6777355			R	6773647
6776996	11-2	16			6777355			RB	6836522
6776998			R	6774344	6777356			R	6773676
6776998			R	6776750	6777356			RB	6836524
6776998	8	3			6777405			R	6775936
6776998	9	12			6777405			RB	6779326
6776998	9-1	14			6777412			RB	6836523
6776998	9-2	15			6777413			R	6775532
6776999			R	6774342	6777413			RB	6836524
6776999			R	6776749	6777423			RB	6830474
6776999	10	15			6777448			R	6774007
6776999	10-4	19			6777448	3	3		
6776999	10-5	18			6777449			R	6776103
6776999	10-6	16			6777449	3	5		
6776999	10-7	16			6777452			R	6768445
6777003			R	6775502	6777452	8	1		
6777003			R	6776753	6777452	9	14		
6777003	10-2	12			6777452	9-1	16		
6777003	10-3	19			6777452	9-2	17		
6777003	11	19			6777453			R	6759471
6777030	11-1	18			6777453	9	14		
6777031	11-1	17			6777456			R	6776856
6777032	10-2	11			6777456	5	4		
6777032	11-1	8			6777457			R	6773601
6777033	10-2	3			6777457	16	1		
6777034	12-1	24			6777484			R	6773609
6777035	10-2	4			6777484			RB	6836074
6777036	10-2	14			6777485			R	6773610
6777053	11-1	13			6777485			RB	6836073
6777137	17	11			6777499			R	6773650
6777157	12-1	2			6777499	13	12		
6777173			R	6773586	6777499	13	17		
6777173	7	6			6777505			RB	6883978
6777173	7-1	6			6777506	8	1		
6777261	8	14			6777509			RB	6880100
6777261	8-1	19			6777518	10-6	2		
6777262	8	15			6777525	10-6	15		
6777262	8-1	20			6777525	10-7	15		
6777262	19	7			6777526	14	7		
6777263	8	13			6777537	4	8		
6777263	8-1	18			6777538			R	6773548
6777264			RB	6830433	6777538			RB	6832106
6777311			R	6775548	6777539			R	6773550

R - REPLACES RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY		PART NO	FIG NO	REF NO	HISTORY	
6777539	17	1			6778498	10-6	7		
6777540			RB	6777931	6778498	10-7	7		
6777541			RB	6778011	6778645	9	40		
6777542			RB	6778010	6778646	10-7	2		
6777559	10-6	20			6778647	12-3	2		
6777560	14	15			6778648	12-3	5		
6777561	11-1	14			6778649	12-3	3		
6777562			R	6773470	6778651	10-7	20		
6777562			RB	6833384	6778656	10-7	17		
6777563	14	14			6779056	10	14		
6777566	4	3			6779091	14	7		
6777568			RB	6831811	6779092	14	14		
6777573	7	2			6779093	14	15		
6777575	4	13			6779105			RB	6831228
6777576			RB	6832996	6779106			RB	6831229
6777577	4	8			6779114	5	41		
6777578	4	2			6779114	20	3		
6777580			RB	6880089	6779324			RB	6830472
6777591			RB	6839156	6779325			RB	6880647
6777592	10-4	9			6779326			R	6777405
6777592	10-5	9			6779326			RB	6830471
6777592	10-6	8			6779329			RB	6880033
6777592	10-7	8			6779330			RB	6880643
6777593	10-6	5			6779331			RB	6837171
6777593	10-7	5			6779420			RB	6880032
6777596	10-6	17			6779422			R	6769716
6777598	10-6	19			6779422	8	10		
6777598	10-7	19			6779422	8-1	15		
6777723	18	8			6779422	9	7		
6777724	18	10			6779422	9-3	7		
6777725	18	11			6779428	10-4	11		
6777726	18	12			6779429			RB	6832097
6777727	18	13			6779430			RB	6832098
6777728	5	7			6779431			RB	6832096
6777731	5	5			6779432	12-2	10		
6777788	13	23			6779433	12-2	12		
6777832	16	1			6779434	12-2	11		
6777931			R	6777540	6779434	19	5		
6778010			R	6777542	6779435	12-2	14		
6778010			RB	6837906	6779435	12-2	21		
6778011			R	6777541	6779452	4	8		
6778011			RB	6881692	6779469	4	8		
6778068			R	6773702	6829976			RB	6880096
6778068	4	13			6829976			RB	6880164
6778096			R	6831810	6830004			R	546864
6778096			RB	6884688	6830004	7-1	2		
6778189	17	2			6830085	1	15		
6778190	17	4			6830085	1-1	16		
6778191	17	7			6830097	12-2	13		
6778192	17	2			6830097	12-2	20		
6778194	17	6			6830098	10-4	26		
6778203			RB	6833498	6830098	19	17		
6778204			R	6773511	6830114	4	19		
6778204			RB	6833496	6830221	8	6		
6778347	5	4			6830221	8	21		
6778395			R	6773495	6830221	8-1	11		
6778395			RB	6831814	6830221	9	9		
6778402			RB	6833123	6830221	9	12		
6778498	10-4	8			6830221	9	32		
6778498	10-5	8			6830221	9-1	11		

R - REPLACES RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY
6830221	9-2	12	
6830221	9-3	9	
6830221	10-1	11	
6830221	10-2	7	
6830221	10-3	15	
6830221	11	15	
6830221	11-1	15	
6830221	11-2	25	
6830306	1	5	
6830306	1-1	5	
6830363			R 6776957
6830363			RB 6833211
6830365			R 6773593
6830365	15	16	
6830366	15	20	
6830368	19	16	
6830429			R 6768804
6830429			RB 6836076
6830431			R 6775749
6830431			RB 6836077
6830433			R 6777264
6830433			RB 6836075
6830441			RB 6833124
6830442	5	43	
6830463			R 6772407
6830463	2	14	
6830464			R 6772408
6830464	3	17	
6830471			R 6779326
6830471			RB 6837170
6830472			R 6779324
6830472			RB 6880028
6830473			RB 6880029
6830474			R 6775938
6830474			R 6777423
6830474			RB 6837169
6830589			R 6776866
6830589	12	20	
6830716			RB 6831232
6830727			RB 6835759
6830728	10-5	26	
6830729	10-5	28	
6830730	10-5	17	
6830740	20	6	
6831005			RB 6836457
6831161			R 6773639
6831161			RB 6832955
6831185			R 6773678
6831185			RB 6837939
6831186			R 6773677
6831186			RB 6838146
6831187			R 6776971
6831187	15	8	
6831188			R 6774693
6831188			RB 6839891
6831189			R 6773589
6831189			RB 6839892
6831190			R 6776897
6831190			RB 6831943
6831190			RB 6837940
6831191			R 6775543
6831191			RB 6837721
6831205			R 6773669
6831205			RB 6837639
6831221			R 6773717
6831221			RB 6837723
6831222			R 6773721
6831222			RB 6837925
6831223			R 6774092
6831223			RB 6839863
6831224			R 6775544
6831224			RB 6837724
6831225			R 6776150
6831225			RB 6837725
6831226			R 6776896
6831226			RB 6837927
6831228			R 6779105
6831228			RB 6837929
6831229			R 6779106
6831229			RB 6837930
6831232			R 6830716
6831232			RB 6837933
6831250			R 6776839
6831250	15	5	
6831271	6	3	
6831272			RB 6837910
6831323			RB 6880097
6831323			RB 6880165
6831324			RB 6835235
6831342			RB 6831345
6831345			R 6831342
6831345			RB 6832010
6831382			R 6773712
6831382	15	1	
6831432	12-2	17	
6831441			RB 6765710
6831442	19	25	
6831445	12-2	22	
6831453	10-4	27	
6831456	19	23	
6831463			R 103323
6831463			R 181429
6831463			RB 6833204
6831469			R 6702951
6831469	1	27	
6831810			R 6773671
6831810			RB 6778096
6831811			R 6777568
6831811			RB 6832872
6831814			R 6778395
6831814			RB 6837915
6831922			RB 6837021
6831923			RB 6837020
6831924	19	24	
6831925	12-2	19	
6831926	12-2	18	
6831928	19	14	
6831929	10-4	20	
6831929	10-4	23	
6831930	12-2	26	

R - REPLACES RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY	
6831932	19	27		
6831942			RB	6837939
6831943			R	6831190
6831943			RB	6837940
6831957	19	21		
6831958	19	22		
6831974	10-4	21		
6831975	10-4	23		
6832000	4	8		
6832010			R	6831345
6832010			RB	6837935
6832096			R	6779431
6832096	12-2	3		
6832097			R	6779429
6832097	12-2	2		
6832098			R	6779430
6832098	12-2	4		
6832099			R	6755333
6832099	1	26		
6832106			R	6773549
6832106			R	6777538
6832106			RB	6880090
6832531	8-1	3		
6832531	9-1	37		
6832531	9-2	22		
6832531	9-3	17		
6832536	8-1	1		
6832536	9-1	39		
6832536	9-2	24		
6832536	9-3	19		
6832580	8-1	2		
6832580	9-1	38		
6832580	9-2	23		
6832580	9-3	18		
6832662	19	28		
6832663	19	29		
6832702	6	3		
6832703			RB	6836521
6832803			RB	6833527
6832872			R	6831811
6832872			RB	6836093
6832945	9	27		
6832945	9-3	32		
6832946	9	26		
6832946	9-3	31		
6832955			R	6831161
6832955			RB	6837638
6832996			R	6773661
6832996			R	6777576
6832996	4	9		
6833123			R	6778402
6833123			RB	6837636
6833124			R	6830441
6833124			RB	6837637
6833190			RB	6834401
6833204			R	6831463
6833204	1	28		
6833211			R	6830363
6833211			RB	6834941
6833212	19	26		
6833335			RB	6837937
6833339			RB	6834211
6833368			R	6769681
6833368	3	11		
6833384			R	6777562
6833384	8	4		
6833384	8-1	9		
6833437			R	6757189
6833437			R	6836074
6833437			RB	6837508
6833443	10-5	17		
6833496			R	6778204
6833496			RB	6838439
6833498			R	6776727
6833498			R	6778203
6833498			RB	6838437
6833514			RB	6837700
6833527			R	6832803
6833527	3	9		
6833930			R	6759504
6833930			RB	6837690
6833930	9	10		
6833930	9	33		
6833934			R	6770253
6833934	15	33		
6833947	16	9		
6833973			R	6774681
6833973			RB	6835343
6834112			R	444691
6834112	12-3	4		
6834112	19	4		
6834176			R	6773555
6834176	5	29		
6834176	5	32		
6834208	6	6		
6834209			R	6774678
6834209			RB	6838275
6834210			R	6774673
6834210			RB	6837671
6834211			R	6833339
6834211			RB	6837672
6834401			R	6833190
6834401	6	13		
6834629			R	6774678
6834629			RB	6838276
6834941			R	6833211
6834941			RB	6835705
6834961			R	6775645
6834961			R	6835502
6834961			RB	6835502
6834961	15	17		
6835141			R	6773570
6835141	7	5		
6835141	7-1	5		
6835235			R	6831324
6835235			RB	6880091
6835343			R	6833973
6835343	6	7		
6835377	15	15		
6835421			R	6773490

R - REPLACES RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY
6835421	4	15	
6835470			R 6777317
6835470	7-1	1	
6835471			R 6777320
6835471	7	2	
6835501			RB 6837938
6835502			R 683496
6835502			R 6834961
6835502			RB 6834961
6835629	1	21	
6835629	1-1	11	
6835629	1-1	24	
6835630	1	21	
6835630	1-1	12	
6835630	1-1	25	
6835702			R 6773602
6835702	15	14	
6835705			R 6834941
6835705			RB 6885165
6835718			R 5178994
6835718	7	14	
6835737			R 6762867
6835737	19	20	
6835758	10-5	19	
6835759			R 6830727
6835759	10-5	21	
6835769			R 6773603
6835769			RB 6836519
6836073			R 6777485
6836073			RB 6837506
6836074			R 6777484
6836074			RB 6833437
6836075			R 6830433
6836075			RB 6839157
6836076			R 6830429
6836076	9	11	
6836076	9-1	13	
6836076	9-2	14	
6836076	10-2	9	
6836077			R 6830431
6836077	10-1	13	
6836077	11-2	27	
6836093			R 6832872
6836093	4	5	
6836279			R 6774572
6836279	16	8	
6836332			R 6773467
6836332	10	2	
6836332	10-4	2	
6836332	10-5	2	
6836335			R 6773474
6836335	10	3	
6836335	10-4	3	
6836335	10-5	3	
6836457			R 6773662
6836457			R 6831005
6836457	10	3	
6836457	10-5	3	
6836457	10-6	2	
6836519			R 6835769
6836519	16	5	
6836520	16	5	
6836521			R 6832703
6836521			RB 6837957
6836522			R 6777355
6836522			RB 6837957
6836523			R 6777412
6836523	7	8	
6836524			R 6777356
6836524			R 6777413
6836524	7-1	23	
6836801			R 6773664
6836801	10	2	
6836801	10-5	2	
6836871	9-3	26	
6837002			R 6839859
6837002	15	5	
6837003			R 6839845
6837003	15	5	
6837020			R 6831923
6837020	19	2	
6837021			R 6831922
6837021	19	3	
6837169			R 6830474
6837169	1	18	
6837169	1-1	19	
6837170			R 6830471
6837170			RB 6880384
6837171			R 6779331
6837171			RB 6880385
6837211			R 6768267
6837211			RB 6838494
6837275			RB 6837276
6837276			R 6837275
6837276			RB 6882696
6837277			RB 6882697
6837278			RB 6882698
6837280	8-1	18	
6837281	8	8	
6837281	8-1	8	
6837281	9-1	20	
6837281	9-2	21	
6837282	9-3	20	
6837283	9-3	12	
6837283	9-3	16	
6837284	9-1	24	
6837285	12-1	22	
6837288	9-1	26	
6837289	9-1	26	
6837422			R 6759509
6837422	10-1	12	
6837422	11-1	16	
6837422	11-2	26	
6837506			R 6836073
6837506			RB 6837507
6837507			R 6837506
6837507	8	7	
6837507	8-1	12	
6837508			R 6833437
6837508	8	8	

R - REPLACES RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY		PART NO	FIG NO	REF NO	HISTORY	
6837508	8-1	13			6837732			RB	6839848
6837570	8-1	4			6837733			RB	6839849
6837570	9-1	16			6837734			RB	6839850
6837570	9-2	21			6837904			R	6776959
6837571	8	7			6837904			RB	6881575
6837571	9-1	19			6837904			RB	6885175
6837571	9-3	15			6837905			RB	6881694
6837572	8	6			6837906			R	6778010
6837572	9-1	18			6837906			RB	6885176
6837572	9-3	14			6837910			R	6831272
6837573	9-3	12			6837910		22		
6837636			R	6833123	6837910	5	22		
6837636	5	37			6837910	5	22		
6837637			R	6833124	6837915			R	6831814
6837637	5	35			6837915			RB	6882052
6837638			R	6832955	6837925			R	6831222
6837638	5	7			6837925			RB	6839862
6837639			R	6831205	6837927			R	6831226
6837639	5	5			6837927			RB	6839866
6837671			R	6834210	6837929			R	6831228
6837671	6	5			6837929			RB	6839867
6837672			R	6834211	6837930			R	6831229
6837672	6	8			6837930			RB	6839868
6837690			R	6833930	6837933			R	6831232
6837690			R	6837690	6837933			RB	6839869
6837690			RB	6837690	6837935			R	6832010
6837690	8	5			6837935			RB	6839871
6837690	8	20			6837937			R	6833335
6837690	8-1	10			6837937			RB	6839874
6837690	9	10			6837938			R	6835501
6837690	9	33			6837938			RB	6839875
6837690	9-1	12			6837939			R	6831185
6837690	9-2	13			6837939			R	6831942
6837690	9-3	10			6837939			RB	6839889
6837690	10	9			6837940			R	6831190
6837690	10-2	8			6837940			R	6831943
6837690	10-3	16			6837940			RB	6839890
6837690	10-4	10			6837957			R	6836521
6837690	10-5	10			6837957			R	6836522
6837690	11	16			6837957			RB	6880419
6837690	19	15			6838146			R	6831186
6837699	9-1	24			6838146			RB	6839882
6837700			R	6774262	6838275			R	6834209
6837700			R	6833514	6838275	6	12		
6837700			RB	6880946	6838276			R	6834629
6837701			RB	6839887	6838276	6	10		
6837720			RB	6839929	6838292	1	9		
6837721			R	6831191	6838293			RB	6880092
6837721			RB	6839883	6838437			R	6833498
6837723			R	6831221	6838437	4	17		
6837723			RB	6839839	6838439			R	6833496
6837724			R	6831224	6838439	4	17		
6837724			RB	6839840	6838456			R	6756654
6837725			R	6831225	6838456	20	1		
6837725			RB	6839841	6838457			R	6756665
6837727			RB	6839843	6838457	20	2		
6837728			RB	6839844	6838458			R	6756667
6837729			RB	6839845	6838458	20	2		
6837730			RB	6839846	6838459			R	6759551
6837731			RB	6839847	6838459	20	2		

R - REPLACES RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY		PART NO	FIG NO	REF NO	HISTORY	
6838472			R	6774598	6839856	15	5		
6838472	15	42			6839857			R	6839887
6838473			R	6774595	6839857	15	9		
6838473	15	41			6839858			R	6839847
6838494			R	6837211	6839858	15	5		
6838494	7	15			6839859			R	6838809
6838494	7-1	9			6839859			RB	6837002
6838516	5	4			6839860			R	6838814
6838743			RB	6839856	6839860	15	5		
6838809			RB	6839859	6839861			R	6839280
6838814			RB	6839860	6839861	15	5		
6839079			R	6771273	6839862			R	6837925
6839079	3	10			6839862	15	5		
6839153			R	6773473	6839863			R	6831223
6839153	9	3			6839863	15	5		
6839153	9-3	3			6839866			R	6837927
6839154			R	6773482	6839866	15	5		
6839154	9	2			6839867			R	6837929
6839154	9-3	2			6839867	15	5		
6839155			R	6774677	6839868			R	6837930
6839155	6	3			6839868	15	5		
6839156			R	6777591	6839869			R	6837933
6839156	10-4	12			6839869	15	5		
6839156	10-5	11			6839871			R	6837935
6839156	10-6	9			6839871	15	5		
6839156	10-7	9			6839874			R	6837937
6839157			R	6836075	6839874	15	5		
6839157			RB	6884169	6839875			R	6837938
6839158	6	3			6839875	15	5		
6839163			R	6770432	6839882			R	6838146
6839163	10	22			6839882	15	9		
6839163	10	23			6839883			R	6837721
6839163	10-5	31			6839883	15	9		
6839280			RB	6839861	6839887			R	6837701
6839667			R	6773457	6839887			RB	6839857
6839667	1	4			6839887	15	9		
6839667	1-1	4			6839889			R	6837939
6839839			R	6837723	6839889	15	9		
6839839	15	5			6839890			R	6837940
6839840			R	6837724	6839890	15	9		
6839840	15	5			6839891			R	6831188
6839841			R	6837725	6839891	15	29		
6839841	15	5			6839892			R	6831189
6839843			R	6837727	6839892	15	29		
6839843	15	5			6839929			R	6837720
6839844			R	6837728	6839929	15	9		
6839844	15	5			6839976			RB	6880164
6839845			R	6837729	6880027			RB	6880644
6839845			RB	6837003	6880028			R	6830472
6839846			R	6837730	6880028			RB	6880645
6839846	15	5			6880029			R	6830473
6839847			R	6837731	6880029			RB	6880646
6839847			RB	6839858	6880030	1	19		
6839848			R	6837732	6880030	1-1	20		
6839848	15	5			6880032			R	6779420
6839849			R	6837733	6880032			RB	6880641
6839849	15	5			6880033			R	6779329
6839850			R	6837734	6880033			RB	6880642
6839850	15	5			6880086			R	6773549
6839856			R	6838743	6880086	1	8		

R - REPLACES RB - REPLACED BY

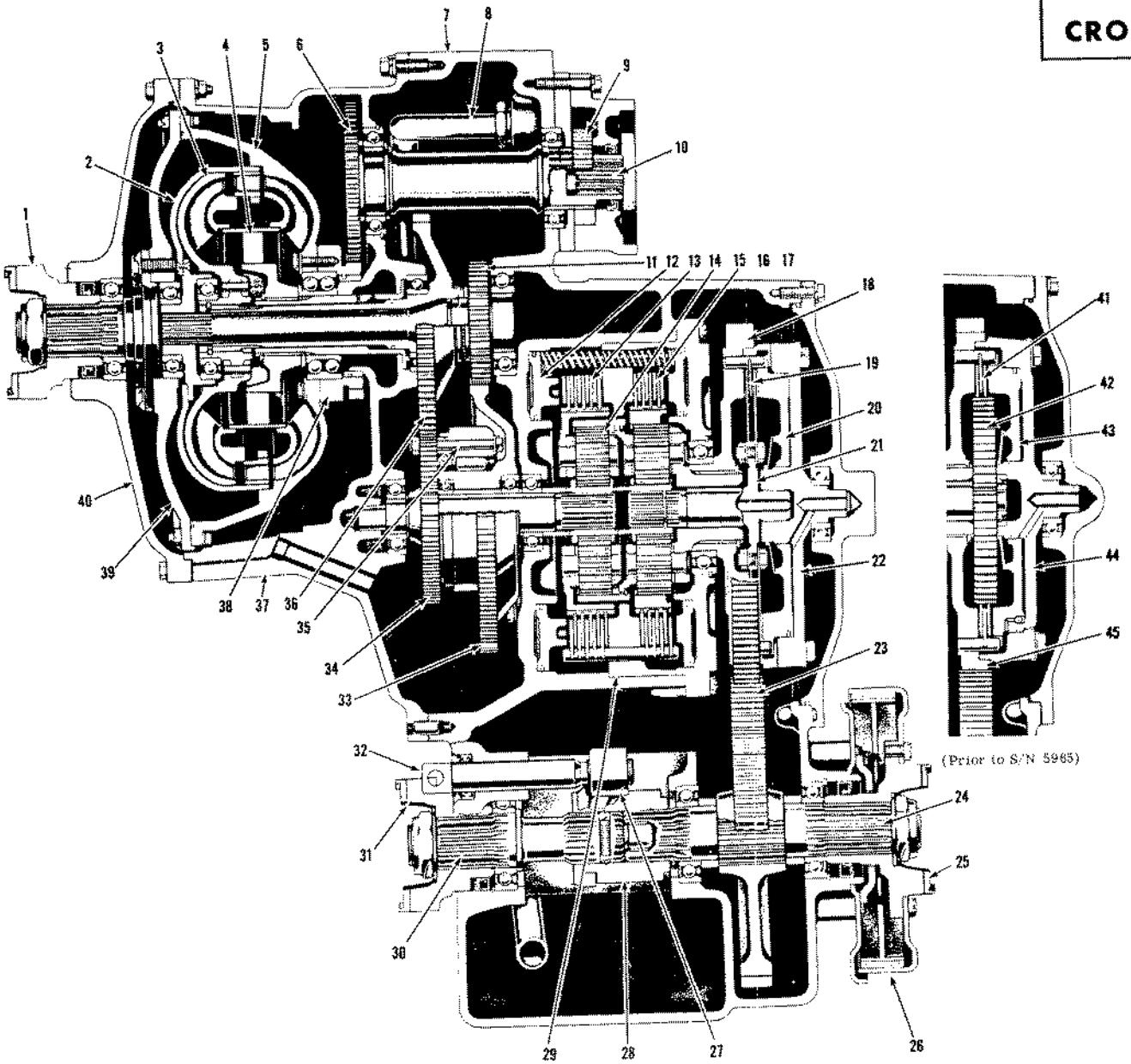
PART NO	FIG NO	REF NO	HISTORY
6880087			R 6773572
6880087	1	10	
6880088			R 6773573
6880088	1	7	
6880089			R 6777580
6880089	1	6	
6880090			R 6832106
6880090	1	11	
6880091			R 6835235
6880091	1	11	
6880092			R 6838293
6880092	1	8	
6880093			R 6773554
6880093	1	6	
6880094			R 6773571
6880094	1	9	
6880095			R 6776421
6880095	1	6	
6880096			R 6829976
6880096	1-1	6	
6880097			R 6831323
6880097			RB 6883979
6880098			R 6773471
6880098	13	4	
6880099			R 6773472
6880099	13	16	
6880100			R 6777509
6880100	13	22	
6880101	1	3	
6880101	1-1	3	
6880159			R 6773458
6880159	13	14	
6880161			R 6773554
6880161	1	6	
6880162			R 6773571
6880162	1	9	
6880163			R 6776421
6880163	1	6	
6880164			R 6829976
6880164			R 6839976
6880164	1-1	6	
6880165			R 6831323
6880165	1	6	
6880185	4	17	
6880384			R 6837170
6880384			R 6880644
6880384			RB 6880644
6880385			R 6837171
6880385			RB 6880640
6880391	15	49	
6880392	15	48	
6880419			R 6837957
6880419	7	8	
6880484			R 6772050
6880484	15	28	
6880484	15	46	
6880640			R 6880385
6880640	1-1	13	
6880641			R 6880032
6880641	1-1	14	
6880642			R 6880033
6880642	1-1	15	
6880643			R 6779330
6880643	1-1	17	
6880644			R 6880027
6880644			R 6880384
6880644			RB 6880384
6880644	1	12	
6880645			R 6880028
6880645	1	13	
6880646			R 6880029
6880646	1	14	
6880647			R 6779325
6880647	1	16	
6880795			R 6773551
6880795	5	33	
6880946			R 6837700
6880946	15	21	
6881034	1-1	18	
6881035	1	17	
6881575			R 6837904
6881575	14	7	
6881688			R 6776431
6881688	14	14	
6881689			R 6776407
6881689	14	15	
6881690			R 6777354
6881690	14	8	
6881692			R 6778011
6881692	14	14	
6881693			R 6881693
6881693			RB 6881693
6881693	14	15	
6881694			R 6776960
6881694			R 6837905
6881694			RB 6885177
6881695			R 6776429
6881695	14	14	
6881696			R 6776404
6881696	14	15	
6882052			R 6837915
6882052	5	22	
6882696			R 6837276
6882696	7	8	
6882697			R 6837277
6882697	7	8	
6882698			R 6837278
6882698	7-1	24	
6882699	6	15	
6882702			R 6750265
6882702	7	10	
6882702	7	20	
6883964			R 6776427
6883964	14	11	
6883978			R 6777505
6883978			RB 6884927
6883979			R 6880097
6883979	1	6	
6884169			R 6839157
6884169	9	11	

R - REPLACES RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY		PART NO	FIG NO	REF NO	HISTORY	
6884169	9-3	11			9416389	1-1	1		
6884500	8	5			9417600			RB	148409
6884500	9-1	17			9417600	14	13		
6884550	9-3	13			9418440	10-7	21		
6884688			R	6778096	9421785	9-1	29		
6884688	4	5			9422846	10-4	13		
6884927			R	6883978	9422846	10-5	12		
6884927	12	4			9422846	10-6	10		
6885165			R	6835705	9422846	10-7	10		
6885165	15	15			9433260			R	907418
6885175			R	6837904	9433260	2	5		
6885175	14	7			9433260	12-3	6		
6885176			R	6837906	9433260	13	3		
6885176	14	7			9433260	13	11		
6885177			R	6881694	9433260	13	18		
6885177	14	7			9437254			R	907424
7451288	6	9			9437254	4	6		
7451558	5	16							
7551558	5	16							
8619650	5	26							
8619652	5	24							
8619652	11-1	11							
8892840	12	23							
8892840	12	26							
8892840	12-1	7							
8894450	18	6							
9027076	17	5							
9030126	17	12							
9402706	20	5							
9409010	7-1	26							
9409011	5	18							
9409017	10-6	11							
9409017	10-7	11							
9409018	10-4	14							
9409018	10-5	13							
9409027			R	9409259					
9409027	7	1							
9409033	17	8							
9409036	1	24							
9409036	1-1	8							
9409036	1-1	21							
9409037	9-1	28							
9409052			R	9409258					
9409052	3	1							
9409052	17	9							
9409059	1	24							
9409131	17	17							
9409231			RB	9409239					
9409231	9	16							
9409239			R	9409231					
9409239	9-3	21							
9409258			RB	9409052					
9409258	3	1							
9409259			RB	9409027					
9409514			RB	454823					
9409950			RB	6765238					
9412270	3	14							
9414207	5	25							
9414207	11-1	12							
9416389	1	1							

R - REPLACES RB - REPLACED BY

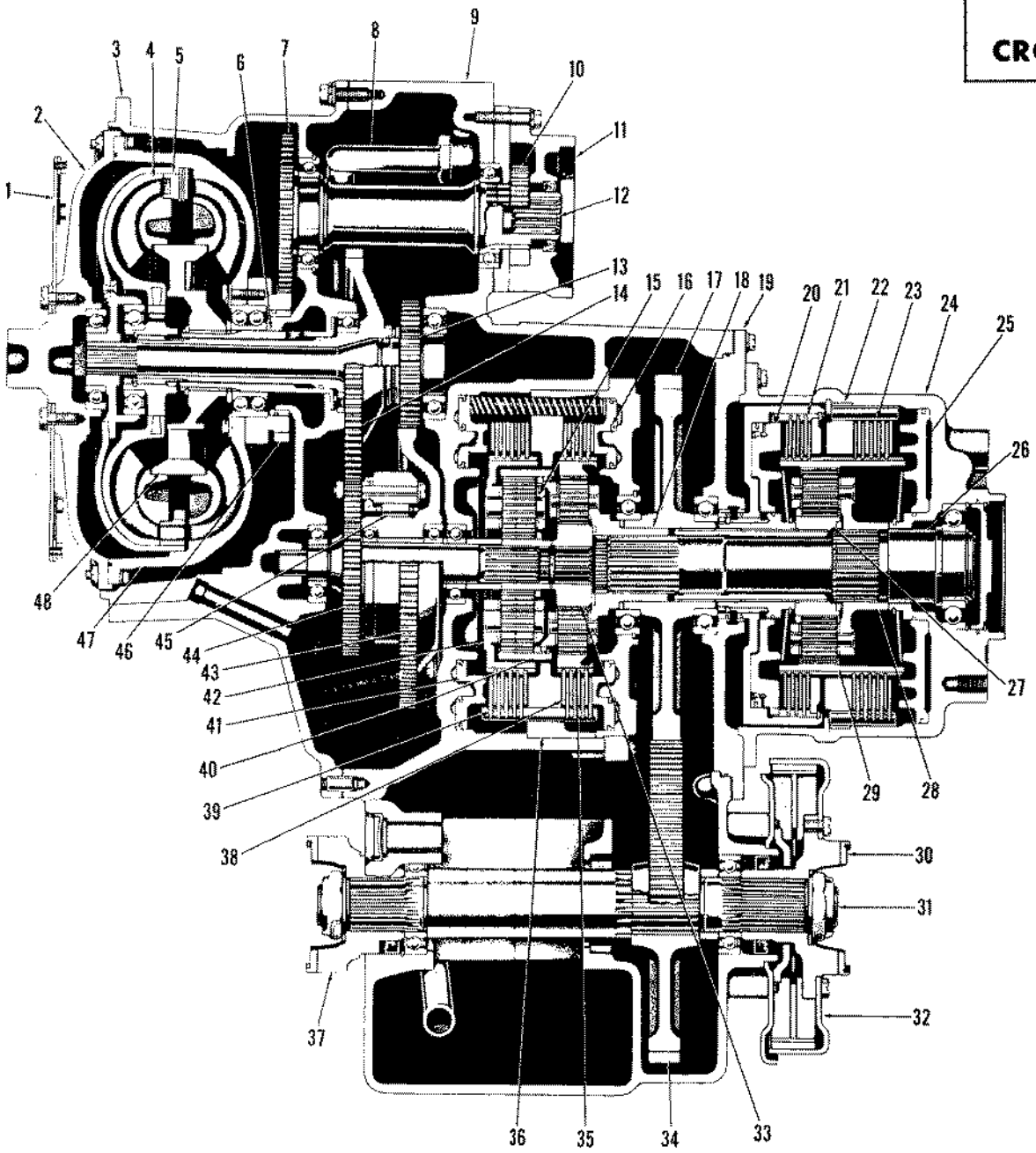
1 - Input flange
2 - First turbine
3 - Second turbine
4 - Stator
5 - Converter Pump
6 - Accessory driven gear
7 - Transmission main housing
8 - Oil suction tube
9 - Charging oil pump assembly
10 - Accessory drive splines
11 - First turbine drive gear
12 - Reverse clutch piston
13 - Reverse clutch plates
14 - Reverse clutch planetary
15 - Forward clutch plates
16 - Forward clutch piston
17 - Forward clutch planetary
18 - Transfer drive gear
19 - High-range clutch plates
20 - High-range clutch piston
21 - High-range clutch hub
22 - High-range clutch piston housing
23 - Transfer driven gear
24 - Rear output shaft
25 - Rear output flange
26 - Parking brake
27 - Disconnect shifter fork
28 - Disconnect splined collar
29 - Forward and reverse clutch anchor
30 - Front output shaft
31 - Front output flange
32 - Disconnect shifter shaft
33 - First turbine driven gear
34 - Second turbine driven gear
35 - Free wheel unit
36 - Second turbine drive gear
37 - Converter housing
38 - Accessory drive gear
39 - Converter pump cover
40 - Converter housing cover
41 - High-range clutch plates
42 - High-range clutch hub
43 - High-range clutch piston
44 - High-range clutch piston housing
45 - Transfer drive gear



FOLDOUT 1. TT2220-1 POWERSHIFT TRANSMISSION-CROSS SECTION

1 - Flex disk drive
2 - Torque converter cover
3 - Converter housing
4 - Second turbine
5 - First turbine
6 - Converter ground sleeve
7 - Accessory driven gear
8 - Oil suction tube
9 - Transmission housing
10 - Oil pump drive gear
11 - Accessory mounting pad
12 - Accessory drive splines
13 - First-turbine drive gear
14 - Second-turbine drive gear
15 - Reverse planetary carrier
16 - Forward clutch piston
17 - Transfer drive gear
18 - Forward planetary carrier
19 - Adapter
20 - Low-range clutch piston
21 - Low-range clutch
22 - High-range clutch anchor
23 - High-range clutch
24 - Rear housing
25 - High-range clutch piston
26 - High and low range shaft
27 - High-range sun gear
28 - High-range planetary carrier
29 - High-range ring gear
30 - Rear output flange
31 - Transmission output shaft
32 - Parking brake
33 - Forward, reverse sun gear
34 - Transfer driven gear
35 - Forward ring gear
36 - Forward, reverse clutch anchor
37 - Front output flange
38 - Forward clutch
39 - Reverse clutch
40 - Reverse ring gear
41 - Reverse clutch piston
42 - Reverse clutch hub
43 - First-turbine driven gear
44 - Second-turbine driven gear
45 - Freewheel unit
46 - Accessory drive gear
47 - Converter pump
48 - Converter stator

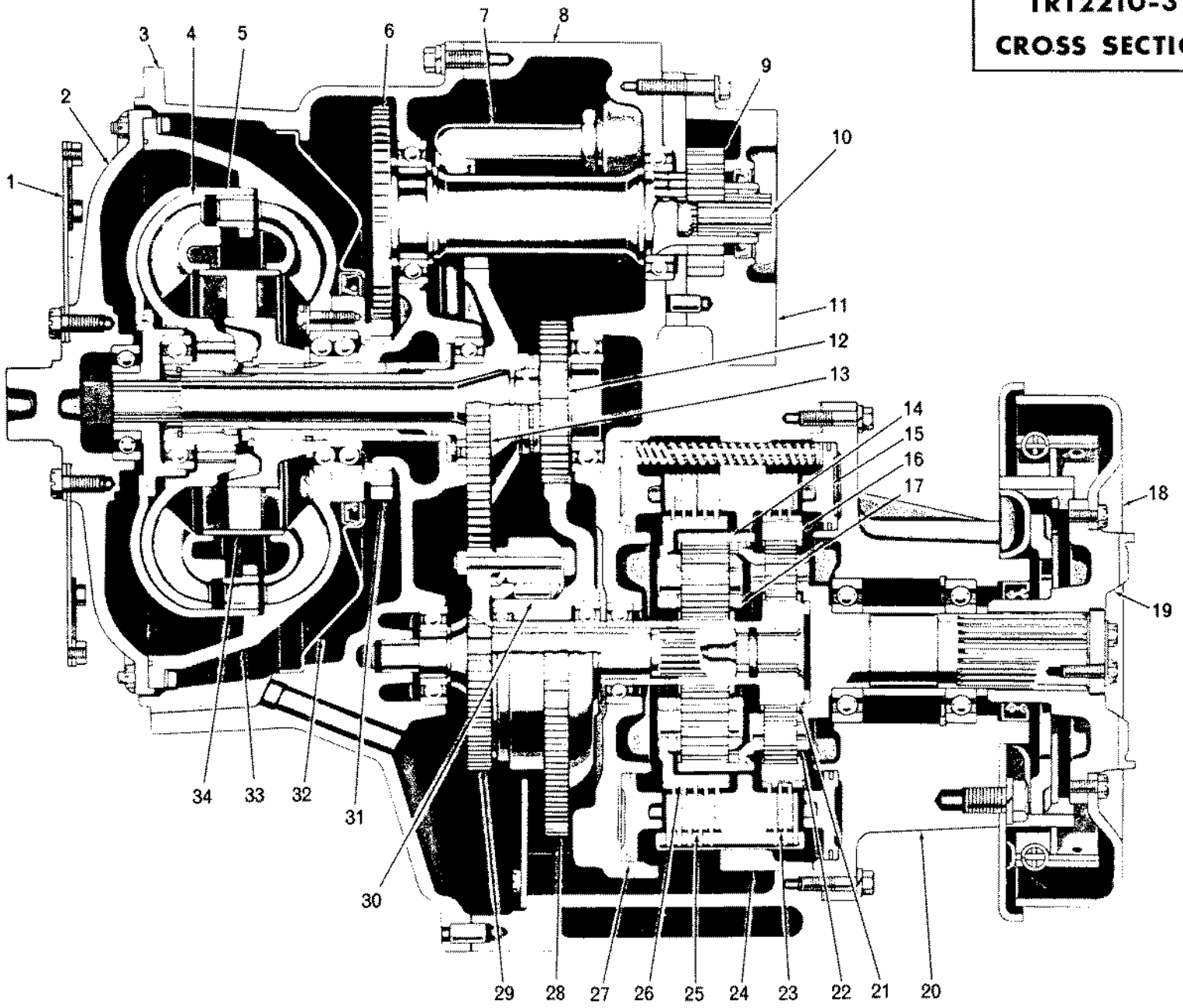
TRT2421-1
CROSS SECTION



FOLDOUT 2. TRT 2421-1 POWERSHIFT TRANSMISSION — CROSS SECTION

1 - Flex disk drive
2 - Converter cover
3 - Converter housing
4 - Second turbine
5 - First turbine
6 - Accessory driven gear
7 - Oil suction tube
8 - Transmission housing
9 - Oil pump drive gear
10 - Accessory drive coupling
11 - Accessory mounting pad
12 - First-turbine drive gear
13 - Second-turbine drive gear
14 - Reverse ring gear
15 - Forward clutch piston
16 - Forward ring gear
17 - Reverse planetary carrier
18 - Parking brake
19 - Output flange
20 - Rear housing
21 - Forward, reverse sun gear
22 - Forward planetary carrier
23 - Forward clutch
24 - Forward, reverse clutch anchor
25 - Reverse clutch
26 - Reverse clutch hub
27 - Reverse clutch piston
28 - First-turbine driven gear
29 - Second-turbine driven gear
30 - Freewheel unit
31 - Accessory drive gear
32 - Diaphragm
33 - Converter pump
34 - Converter stator

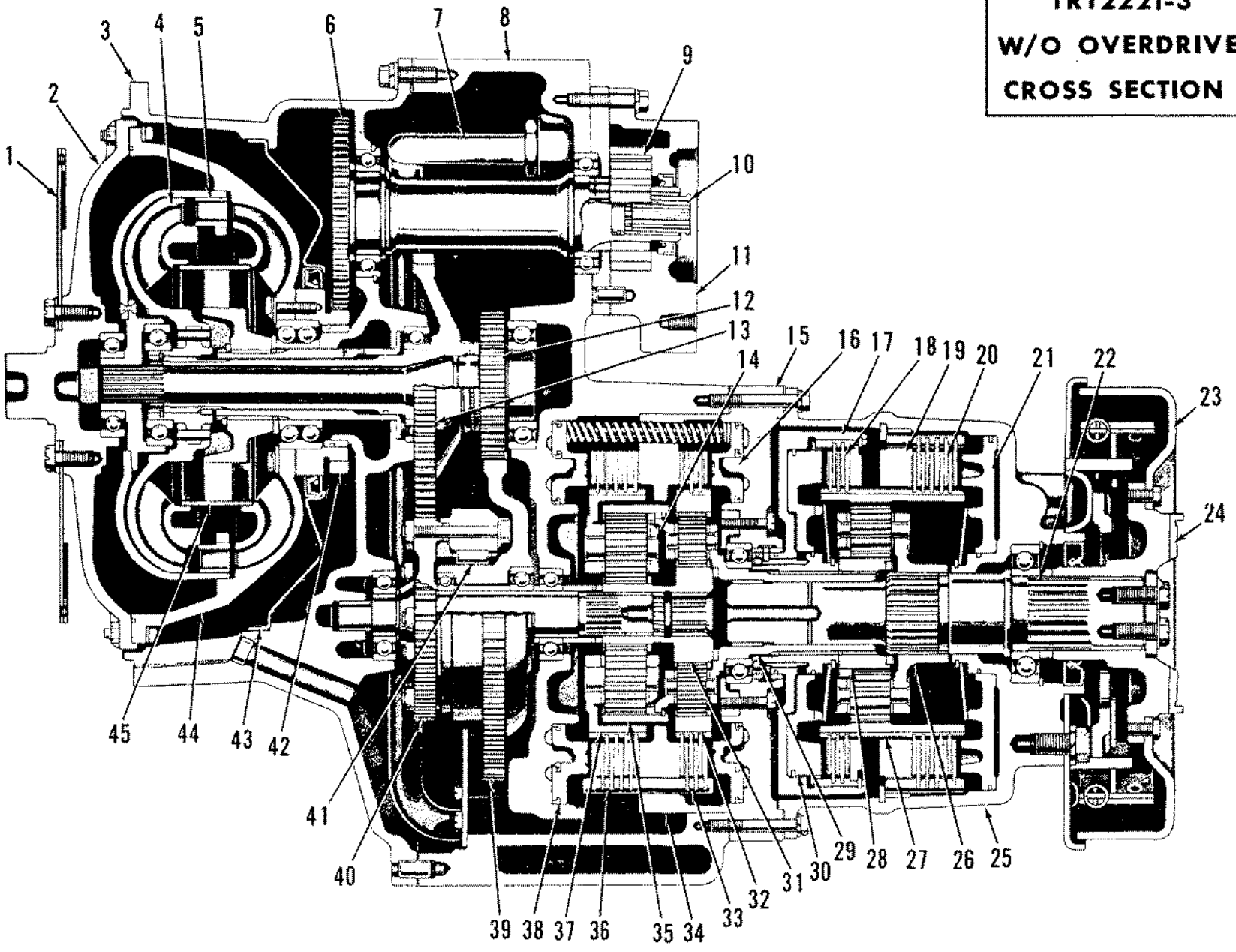
TRT2210-3
CROSS SECTION



FOLDOUT 3. TRT2210-3 POWERSHIFT TRANSMISSION - CROSS SECTION

1 - Flex disk drive
2 - Converter cover
3 - Converter housing
4 - Second turbine
5 - First turbine
6 - Accessory driven gear
7 - Oil suction tube
8 - Transmission housing
9 - Oil pump drive gear
10 - Accessory drive coupling
11 - Accessory mounting pad
12 - First-turbine drive gear
13 - Second-turbine drive gear
14 - Reverse planetary carrier
15 - Rear output housing adapter
16 - Forward clutch piston
17 - High-range clutch drum
18 - High-range clutch
19 - Low-range clutch anchor
20 - Low-range clutch
21 - Low-range clutch piston
22 - Output shaft
23 - Parking brake
24 - Output flange
25 - Rear housing
26 - Low-range planetary carrier
27 - Low-range ring gear
28 - Low-range sun gear
29 - Forward planetary carrier
30 - High-range clutch piston
31 - Forward, reverse sun gear
32 - Forward ring gear
33 - Forward clutch
34 - Forward, reverse clutch anchor
35 - Reverse ring gear
36 - Reverse clutch
37 - Reverse clutch hub
38 - Reverse clutch piston
39 - First-turbine driven gear
40 - Second-turbine driven gear
41 - Freewheel unit
42 - Accessory drive gear
43 - Diaphragm
44 - Converter pump
45 - Converter stator

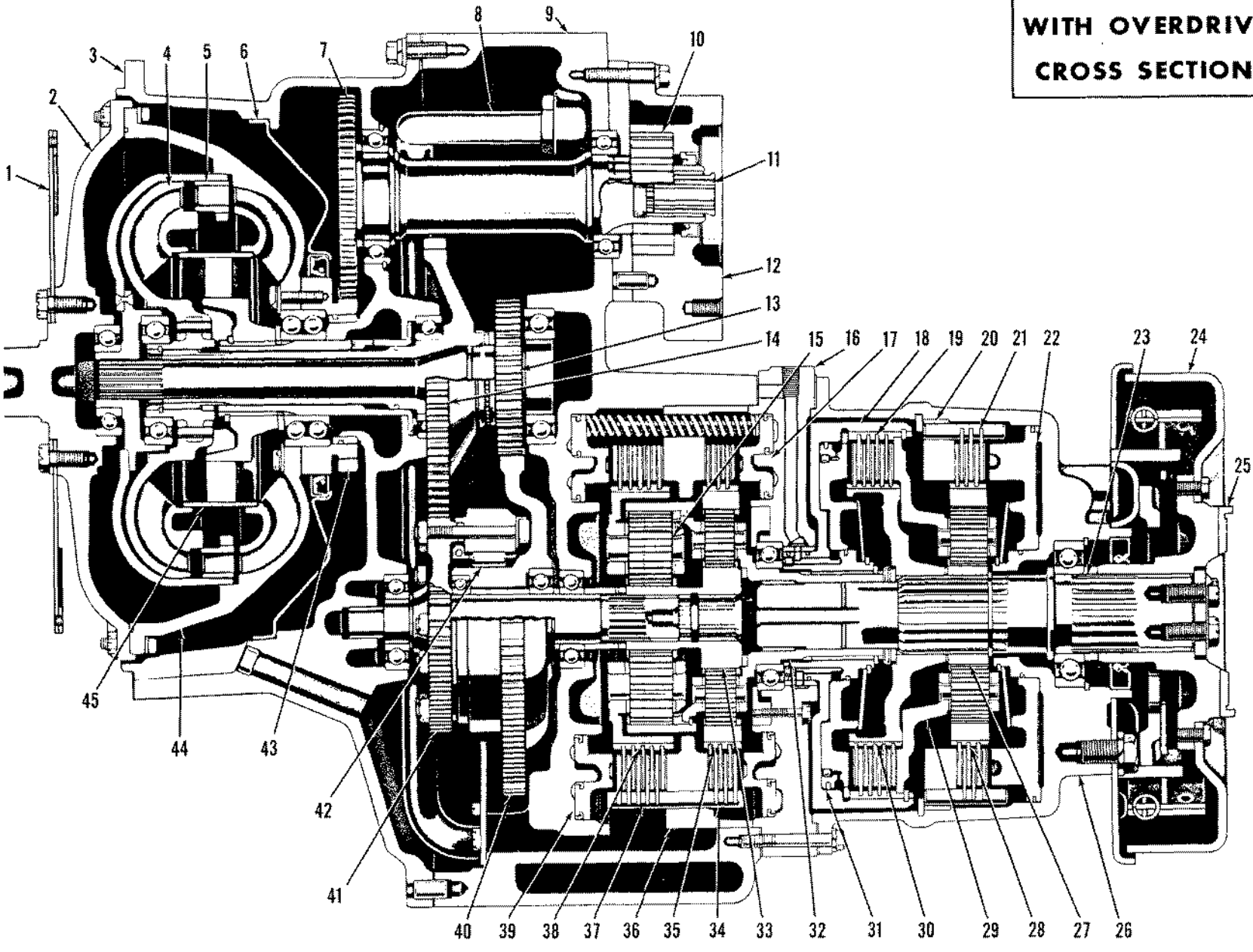
TRT2221-3
W/O OVERDRIVE
CROSS SECTION



FOLDOUT 4. TRT 2221-3 POWERSHIFT TRANSMISSION, W/O OVERDRIVE — CROSS SECTION

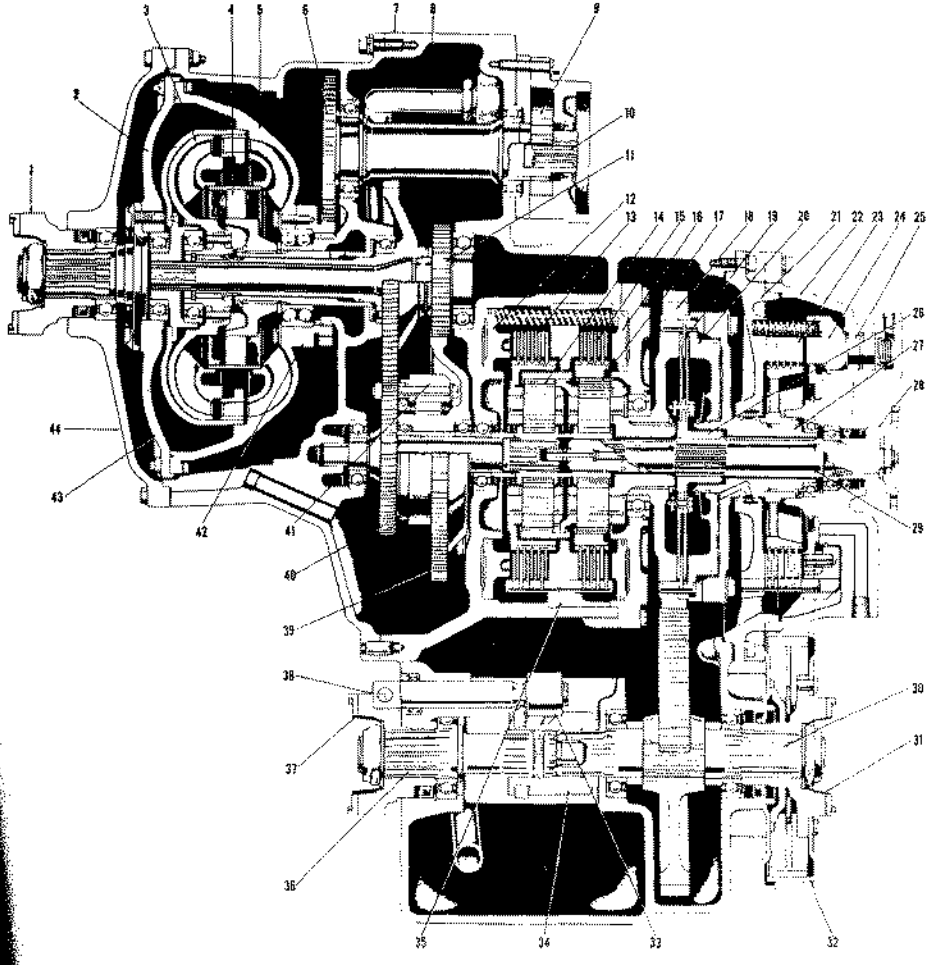
1 - Flex disk drive
2 - Torque converter cover
3 - Converter housing
4 - Second turbine
5 - First turbine
6 - Diaphragm
7 - Accessory driven gear
8 - Oil suction tube
9 - Transmission housing
10 - Oil pump drive gear
11 - Adapter coupling
12 - Accessory mounting pad
13 - First-turbine drive gear
14 - Second-turbine drive gear
15 - Reverse planetary carrier
16 - Adapter
17 - Forward clutch piston
18 - Low-range clutch drum
19 - Low-range clutch
20 - High-range clutch anchor
21 - High-range clutch
22 - High-range clutch piston
23 - Output shaft
24 - Parking brake
25 - Output flange
26 - Rear housing
27 - High-range sun gear
28 - High-range ring gear
29 - High-range planetary carrier
30 - Low-range clutch hub
31 - Low-range clutch piston
32 - Forward planetary carrier
33 - Forward, reverse sun gear
34 - Forward clutch
35 - Forward ring gear
36 - Forward, reverse clutch anchor
37 - Reverse clutch
38 - Reverse clutch hub
39 - Reverse clutch piston
40 - First-turbine driven gear
41 - Second-turbine driven gear
42 - Freewheel unit
43 - Accessory drive gear
44 - Torque converter pump
45 - Torque converter stator

TRT2221-3
WITH OVERDRIVE
CROSS SECTION

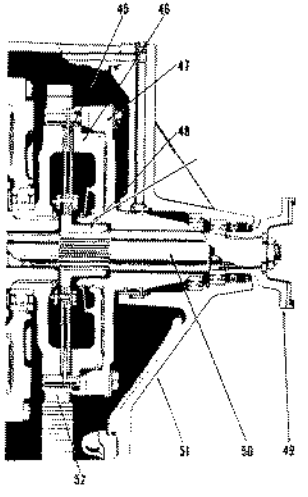


FOLDOUT 5. TRT 2221-3 POWER SHIFT TRANSMISSION, WITH OVERDRIVE — CROSS SECTION

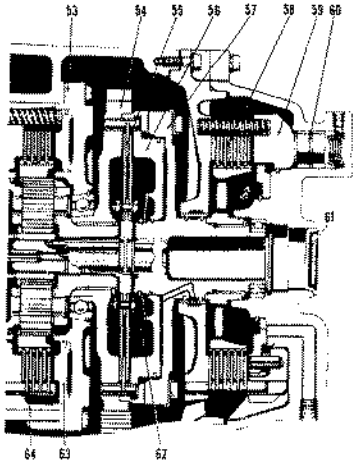
1 - Input flange
2 - First turbine
3 - Second turbine
4 - Stator
5 - Converter pump
6 - Accessory driven gear
7 - Transmission main housing
8 - Oil Suction tube
9 - Charging oil pump assembly
10 - Accessory drive splines
11 - First turbine drive gear
12 - Reverse clutch piston
13 - Reverse clutch plates
14 - Reverse clutch planetary
15 - Forward clutch plates
16 - Forward clutch piston
17 - Forward clutch planetary
18 - Transfer drive gear
19 - High-range clutch plates
20 - High-range clutch piston
21 - Diaphragm assembly
22 - Transmission rear housing
23 - Internal brake clutch plates
24 - Apply plate assembly
25 - Internal brake actuator piston
26 - High-range clutch hub
27 - High-range clutch piston housing
28 - Converter driven output flange
29 - Converter driven output shaft
30 - Rear output shaft
31 - Rear output flange
32 - Parking brake
33 - Disconnect shifter fork
34 - Disconnect splined collar
35 - Forward and reverse clutch anchor
36 - Front output shaft
37 - Front output flange
38 - Disconnect shifter shaft
39 - First turbine driven gear
40 - Second turbine driven gear
41 - Freewheel unit
42 - Accessory drive gear
43 - Converter pump cover
44 - Converter housing cover
45 - High-range clutch plates
46 - High-range clutch piston
47 - High-range clutch piston housing
48 - High-range clutch hub
49 - Converter driven output flange
50 - Converter driven output shaft
51 - Transmission rear housing
52 - Transfer drive gear
53 - Forward clutch piston housing
54 - Transfer drive gear
55 - High-range clutch plates
56 - High-range clutch piston
57 - High-range clutch piston housing
58 - Internal brake clutch plates
59 - Apply plate assembly
60 - Internal brake actuator piston
61 - Plug
62 - High-range clutch hub
63 - Forward clutch piston
64 - Forward clutch plates



TTB WITH PTO



TT WITH PTO

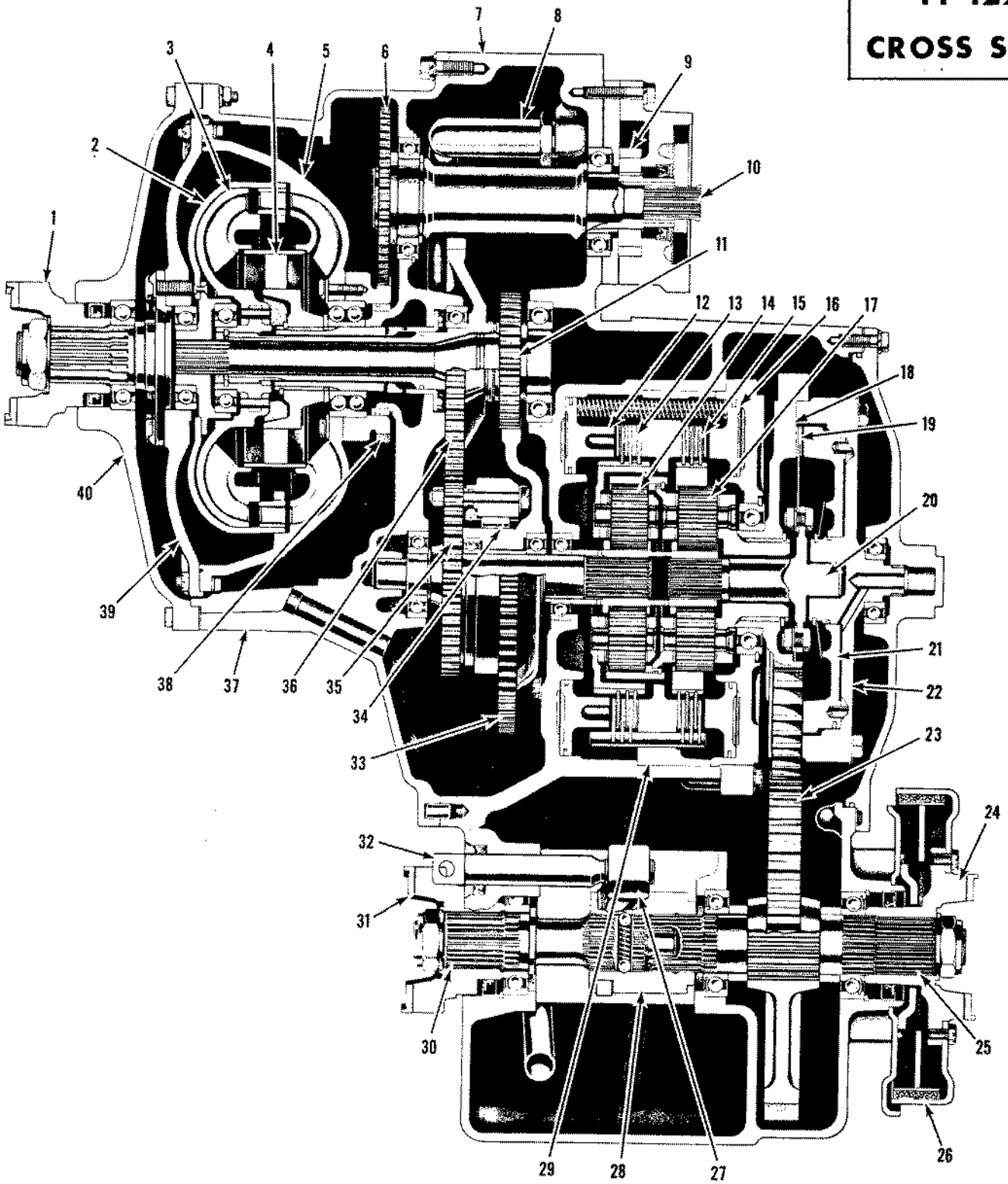


TTB WITHOUT PTO

FOLDOUT 6. TTB2220-1 POWERSHIFT TRANSMISSION - CROSS SECTION

1 - Input flange
2 - First turbine
3 - Second turbine
4 - Stator
5 - Converter Pump
6 - Accessory driven gear
7 - Transmission main housing
8 - Oil suction tube
9 - Charging oil pump assembly
10 - Accessory drive splines
11 - First turbine drive gear
12 - Reverse clutch piston
13 - Reverse clutch plates
14 - Reverse clutch planetary
15 - Forward clutch plates
16 - Forward clutch piston
17 - Forward clutch planetary
18 - Transfer drive gear
19 - High-range clutch plates
20 - High-range clutch piston
21 - High-range clutch hub
22 - High-range clutch piston housing
23 - Transfer driven gear
24 - Rear output shaft
25 - Rear output flange
26 - Parking brake
27 - Disconnect shifter fork
28 - Disconnect splined collar
29 - Forward and reverse clutch anchor
30 - Front output shaft
31 - Front output flange
32 - Disconnect shifter shaft
33 - First turbine driven gear
34 - Second turbine driven gear
35 - Free wheel unit
36 - Second turbine drive gear
37 - Converter housing
38 - Accessory drive gear
39 - Converter pump cover
40 - Converter housing cover

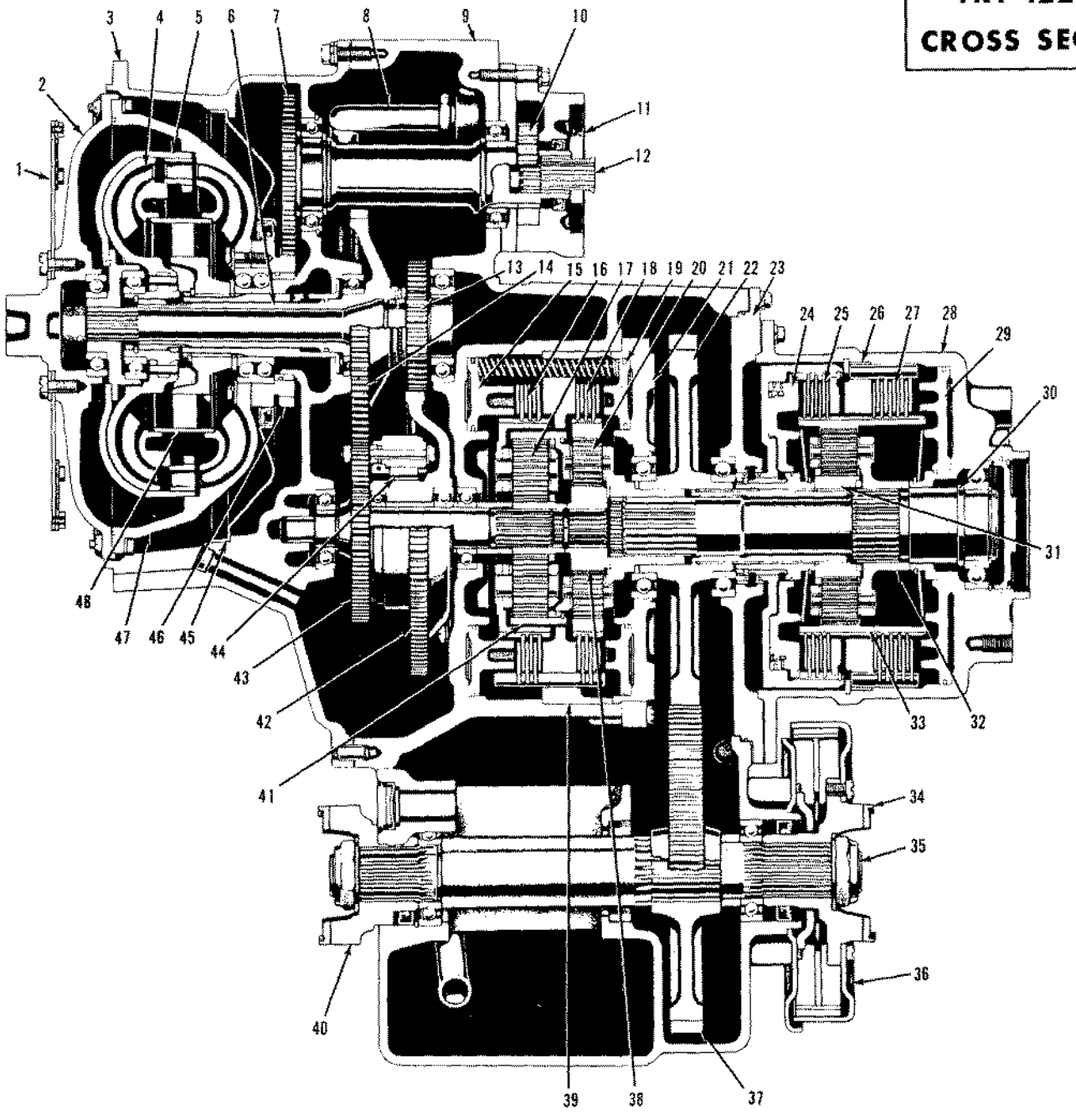
TT 1220-1
CROSS SECTION



WERSHIFT TRANSMISSION—CROSS SECTION

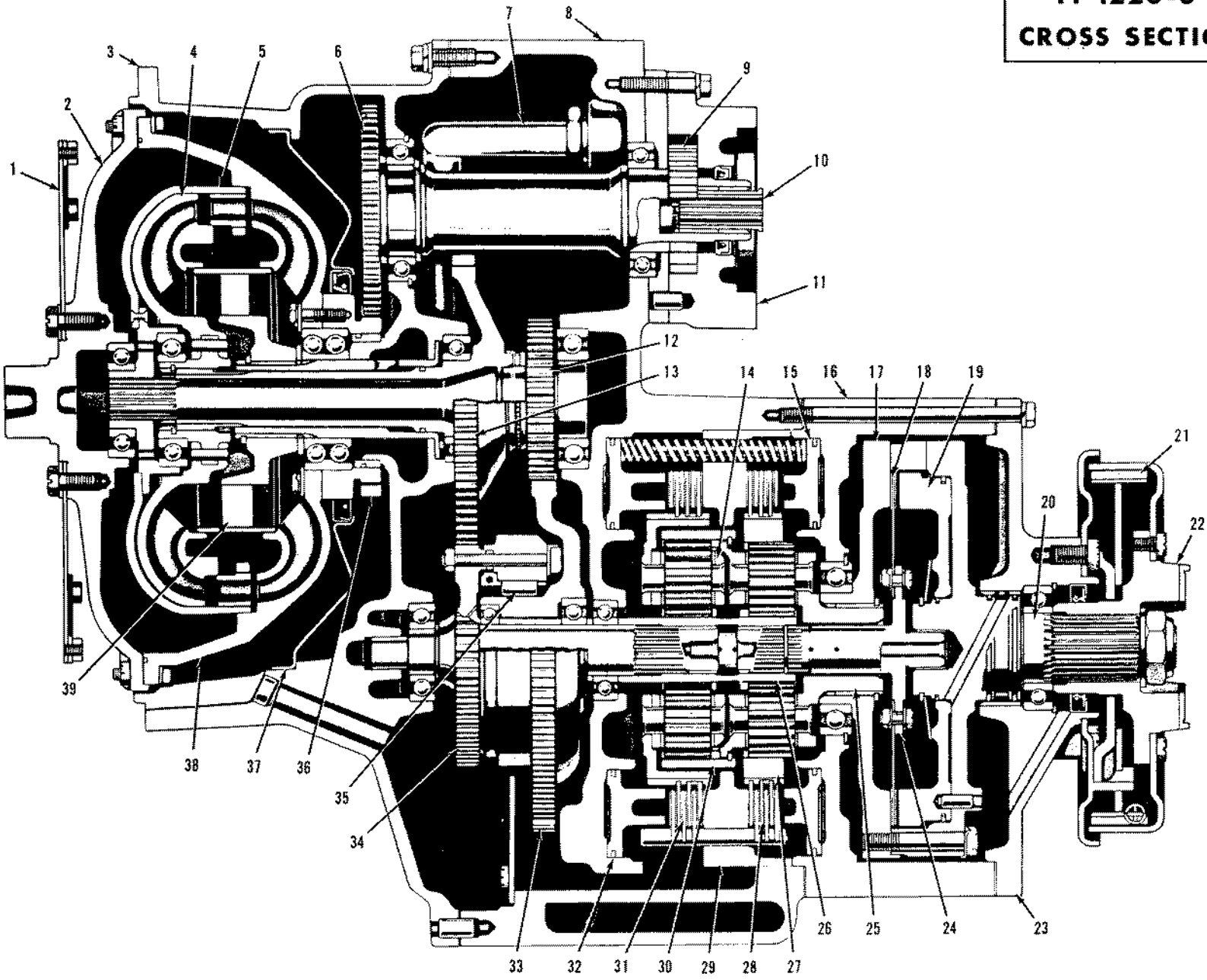
1 - Flex disk drive
2 - Torque converter cover
3 - Converter housing
4 - Second turbine
5 - First turbine
6 - Converter ground sleeve
7 - Accessory driven gear
8 - Oil suction tube
9 - Transmission main housing
10 - Oil pump drive gear
11 - Accessory mounting pad
12 - Accessory drive coupling
13 - First-turbine drive gear
14 - Second-turbine drive gear
15 - Reverse clutch piston
16 - Reverse clutch
17 - Reverse planetary carrier
18 - Forward clutch
19 - Forward clutch piston
20 - Forward clutch planetary
21 - Forward clutch piston housing
22 - Transfer drive gear
23 - Adapter
24 - Low-range clutch piston
25 - Low-range clutch
26 - High-range clutch anchor
27 - High-range clutch
28 - Rear housing
29 - High-range clutch piston
30 - High and low range shaft
31 - High-range sun gear
32 - High-range planetary carrier
33 - High-range ring gear
34 - Rear output flange
35 - Transmission output shaft
36 - Parking brake
37 - Transfer driven gear
38 - Forward and reverse sun gear
39 - Forward and reverse clutch anchor
40 - Front output flange
41 - Reverse ring gear
42 - First turbine driven gear
43 - Second turbine driven gear
44 - Freewheel unit
45 - Diaphragm
46 - Accessory drive gear
47 - Converter pump
48 - Converter stator

TRT 1220-1
CROSS SECTION



1220-1 POWERSHIFT TRANSMISSION—CROSS SECTION

1 - Flex disk drive
2 - Converter cover
3 - Converter housing
4 - Second turbine
5 - First turbine
6 - Accessory driven gear
7 - Oil suction tube
8 - Transmission housing
9 - Oil pump drive gear
10 - Accessory drive coupling
11 - Accessory mounting pad
12 - First turbine drive gear
13 - Second turbine drive gear
14 - Reverse planetary carrier
15 - Forward clutch piston
16 - Rear housing
17 - High-range clutch drive hub
18 - High-range clutch
19 - High-range clutch piston
20 - Rear output shaft
21 - Parking brake
22 - Output flange
23 - Rear cover
24 - High-range clutch drive hub
25 - Forward planetary carrier
26 - Forward and reverse sun gear
27 - Forward ring gear
28 - Forward clutch
29 - Forward and reverse clutch anchor
30 - Reverse ring gear
31 - Reverse clutch
32 - Reverse clutch piston
33 - First turbine driven gear
34 - Second turbine driven gear
35 - Freewheel unit
36 - Accessory drive gear
37 - Diaphragm
38 - Converter pump
39 - Stator



T 1220-3 POWERSHIFT TRANSMISSION—CROSS SECTION

1 - Input flange
2 - First turbine
3 - Second turbine
4 - Stator
5 - Converter pump
6 - Accessory driven gear
7 - Transmission main housing
8 - Oil suction tube
9 - Charging oil pump assembly
10 - Accessory drive coupling
11 - First turbine drive gear
12 - Reverse clutch piston
13 - Reverse clutch
14 - Reverse planetary
15 - Forward clutch
16 - Forward clutch piston
17 - Forward planetary carrier
18 - Transfer drive gear
19 - High-range clutch
20 - High-range clutch hub
21 - High-range clutch piston
22 - High-range clutch piston housing
23 - Transfer driven gear
24 - Rear output flange
25 - Rear output shaft
26 - Parking brake
27 - Disconnect shifter fork
28 - Disconnect splined collar
29 - Forward and reverse clutch anchor
30 - Front output shaft
31 - Front output flange
32 - Disconnect shifter shaft
33 - First turbine driven gear
34 - Freewheel unit
35 - Second turbine driven gear
36 - Second turbine drive gear
37 - Converter housing
38 - Accessory drive gear
39 - Converter pump cover
40 - Converter housing cover