

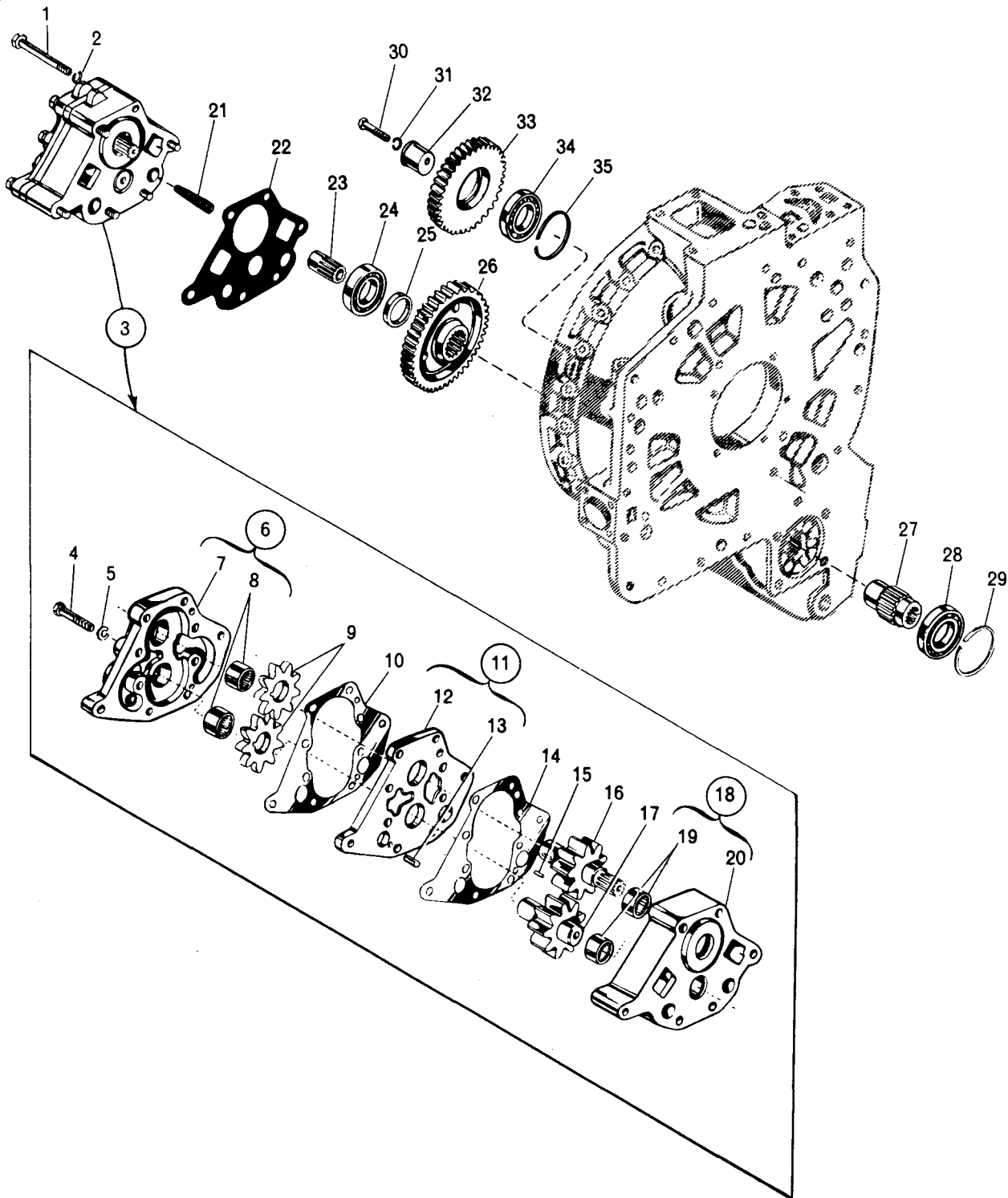


FIG 13 ACCESSORY DRIVE, INPUT DRIVEN CHARGING AND SCAVENGE OIL PUMP

GROUP A

ACCESSORY DRIVE, INPUT DRIVEN CHARGING AND SCAVENGE OIL PUMP, FIGURE 13

REF NO	NOMENCLATURE	PART NO	REQ
1	BOLT, 3/8-16 X 4 1/4	186288	6
2	WASHER, LOCK, 3/8	103321	6
3	PUMP ASSY, INPUT PRESSURE AND SCAVENGE	6757570	1
4	BOLT, 3/8-16 X 2 1/4	179848	4
5	WASHER, LOCK, 3/8	103321	4
6	BODY ASSY, SCAVENGE PUMP	6756128	1
7	BODY, SCAVENGE PUMP	6756132 *	1
8	BEARING, NEEDLE, TORRINGTON B 1612	148415	2
9	GEAR, SCAVENGE PUMP	6758529	2
10	GASKET, SEPARATING PLATE	6769413	1
11	PLATE ASSY, OIL PUMP SEPARATING	6769160	1
12	PLATE, OIL PUMP SEPARATING	6768400 *	1
13	CCWEL	141199	2
14	GASKET, SEPARATING PLATE	6756124	1
15	ROLLER	6758530	1
16	GEAR, OIL PUMP DRIVE	6758528	1
17	GEAR, OIL PUMP DRIVEN	6757564	1
18	BODY ASSY, INPUT PRESSURE PUMP	6757569	1
19	BEARING, NEEDLE, TORRINGTON B 1612	148415	2
20	BODY, INPUT PRESSURE PUMP	6757568 *	1
21	SCREEN, SCAVENGE PUMP SUCTION. STARTING WITH S/N 34819	6776451	1
22	GASKET, INPUT PUMP	6756002	1
23	COUPLING, INPUT PUMP DRIVE	6776495	1
24	BEARING, SINGLE ROW BALL, ND 3209XR1A	903209	1
25	SPACER	6756338	1
26	GEAR, INPUT AND SCAVENGE OIL PUMP	6755986	1
27	HUB, PUMP DRIVE	6769509	1
28	BEARING, SINGLE ROW BALL, ND 3209XR1A	903209	1
29	RING, SNAP	6753487	1
30	BOLT, 7/16-14 X 2 1/4 SPI 557	179867	1
31	WASHER, LOCK, 7/16	103322	1
32	SPINDLE, OIL PUMP DRIVE IDLER GEAR SPI 557	6756364	1
33	GEAR, OIL PUMP DRIVE IDLER SPI 557	6756368	1
34	BEARING, SINGLE ROW BALL, ND 3210XR1A SPI 557	903210	1
35	RING, SNAP	6753893	1

GROUP B

ACCESSORY DRIVE, INPUT DRIVEN CHARGING AND SCAVENGE OIL PUMP, FIGURE 13

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

30	BOLT, HX HD, 1/2-13 X 2 1/2 SEE SPI 557	179891	1
31	WASHER, LOCK, 1/2 SEE SPI 557	103323	1
32	SPINDLE, ACCESSORY DRIVE IDLER GEAR SEE SPI 557	6774736	1
33	GEAR, ACCESSORY DRIVE IDLER SEE SPI 557	6774735	1
34	BEARING, SINGLE ROW BALL, ND1310XR1A SEE SPI 557	901310	1
35	RING, SNAP SEE SPI 557	8892840	1

* SERVICED AS AN ASSY - NOT AS A DETAIL PART

CONTROL VALVE 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
6757512	CRT 5630-2	A	6775889	CRT 5631-3	A
6758981	CRT 5530-3	E	6775956	CRT 5631-6	A
6759722	CRT 5630-2	A	6775957	CRT 5631-6	A
6759792	CRT 5630-5	A	6775958	CRT 5631-6	A
6759799	CRT 5630-5	A	6776471	CRT 5631-6	E
6759800	CRT 5630-3	A	6776869	CRT 5631-6	A
6759808	CRT 5630-6	A	6776870	CRT 5631-6	A
6759833	CRT 5630-2	A	6777050	CRT 5631-7	A
6759980	CRT 5630-5	E	6777111	CRT 5631-7	A
6765778	CRT 5630-6	A	6777145	CRT 5631-6	A
6769926	CRT 5630-6	A	6777533	CRT 5631-6	A
6770280	CRT 5630-3	A	6778182	CRT 5631-6	E
6770378	CRT 5630-2	A	6778360	CRT 5631-7	A
6770604	CRT 5630-7	E	6778365	CRT 5631-7	A
6770680	CRT 5630-6	A	6778591	CRT 5631-7	A
6770695	CRT 5630-6	A	6779117	CRT 5631-6	B
6770992	CRT 5630-6	A	6779118	CRT 5631-6	B
6771642	CRT 5630-3	E	6779240	CRT 5631-6	D
6771643	CRT 5630-6	A	6779471	CRT 5631-6	E
6771644	CRT 5630-6	A	6830744	CRT 5631-7	E
6771691	CRT 5630-6	A	6830848	CRT 5631-6	A
6772035	CRT 5631-5	E	6830849	CRT 5631-6	A
6772706	CRT 5631-6	E	6830852	CRT 5631-6	G
6772769	CRT 5630-5	A	6830853	CRT 5631-5	D
6772820	CRT 5630-6	A	6830854	CRT 5631-6	G
6772821	CRT 5630-6	A	6830855	CRT 5631-7	A
6772878	CRT 5630-7	A	6830881	CRT 5631-7	E
6773041	CRT 5630-5	E	6831043	CRT 5631-6	A
6773143	CRT 5630-2	A	6831364	CRT 5631-8	A
6773306	CRT 5631-6	D	6831857	CRT 5631-5	D
6773915	CRT 5631-6	B	6831858	CRT 5631-6	A
6774016	CRT 5631-7	C	6832011	CRT 5631-6	A
6774088	CRT 5631-7	A	6832155	CRT 5631-6	A
6774147	CRT 5630-6	B	6832401	CRT 5631-7	A
6774148	CRT 5631-6	A	6832411	CRT 5631-6	E
6774341	CRT 5631-5	C	6832788	CRT 5631-5	B
6774498	CRT 5631-6	A	6832795	CRT 5631-6	E
6774524	CRT 5631-7	E	6832865	CRT 5631-6	A
6774584	CRT 5631-5	D	6832916	CRT 5631-7	A
6774639	CRT 5631-6	A	6832917	CRT 5631-6	A
6774640	CRT 5631-6	A	6832924	CRT 5631-7	A
6774665	CRT 5631-8	A	6832980	CRT 5631-6	A
6774692	CRT 5631-6	E	6833130	CRT 5631-6	E
6774764	CRT 5630	A	6833131	CRT 5631-6	G
6774859	CRT 5631-6	A	6833188	CRT 5631-7	A
6774860	CRT 5631-6	A	6833363	CRT 5631-5	G
6775242	CRT 5631-7	E	6833367	CRT 5631-7	E
6775295	CRT 5631-5	B	6833420	CRT 5631-6	D
6775459	CRT 5631-6	B	6833441	CRT 5631-6	E
6775635	CRT 5631-6	A	6833590	CRT 5631-7	A

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

CONTROL VALVE 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
6833591	CRT 5631-7	A	6834718	CRT 5631-6	A
6833865	CRT 5631-7	A	6834821	CRT 5631-6	A
6834186	CRT 5631-6	D	6834898	CRT 5631-6	A
6834336	CRT 5631-6	D	6835517	CRT 5631-6	A
6834337	CRT 5631-6	E	6835988	CRT 5631-6	A
6834396	CRT 5631-6	D	6836043	CRT 5631-7	F

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

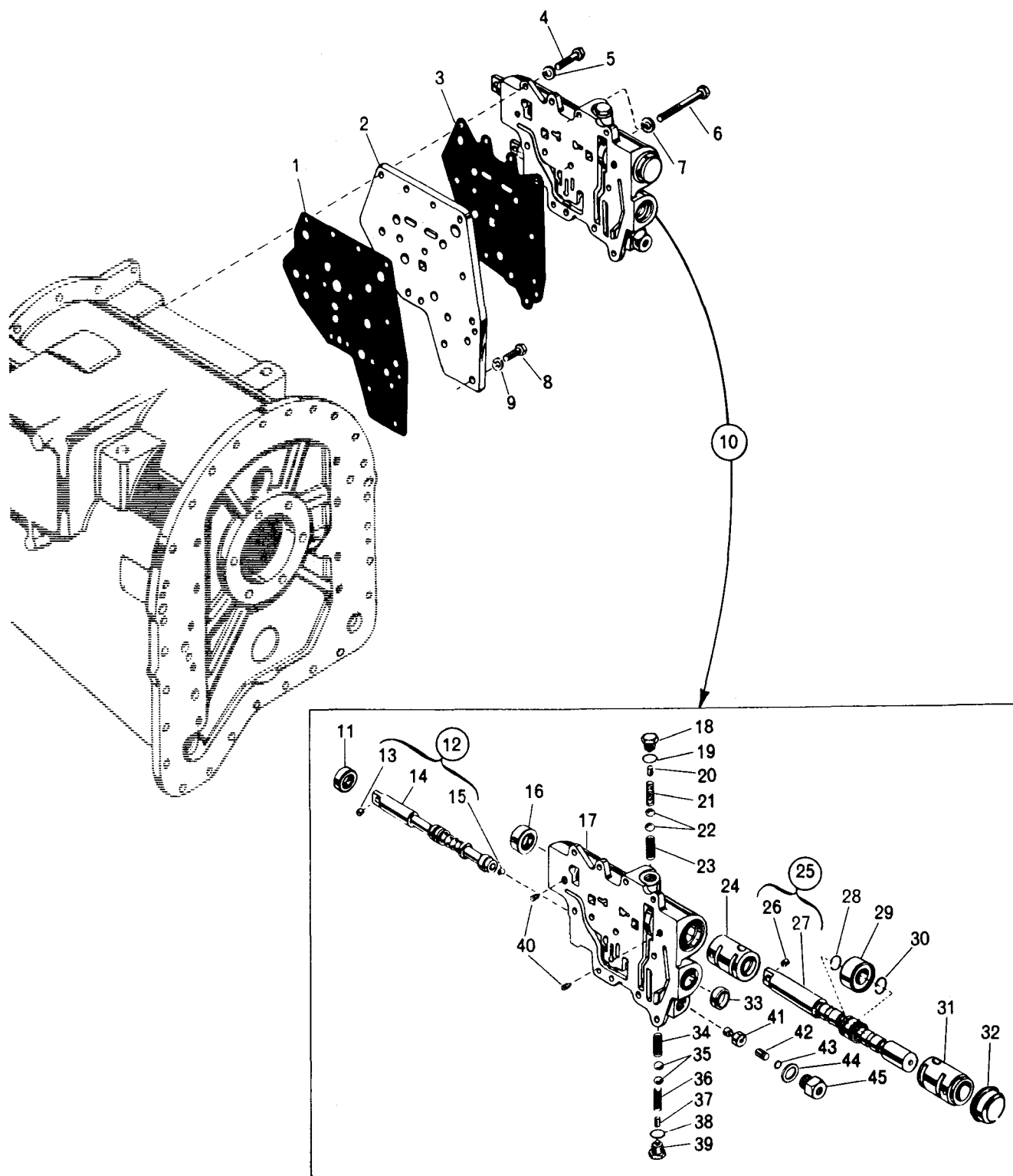


FIG 14 CONTROL VALVE

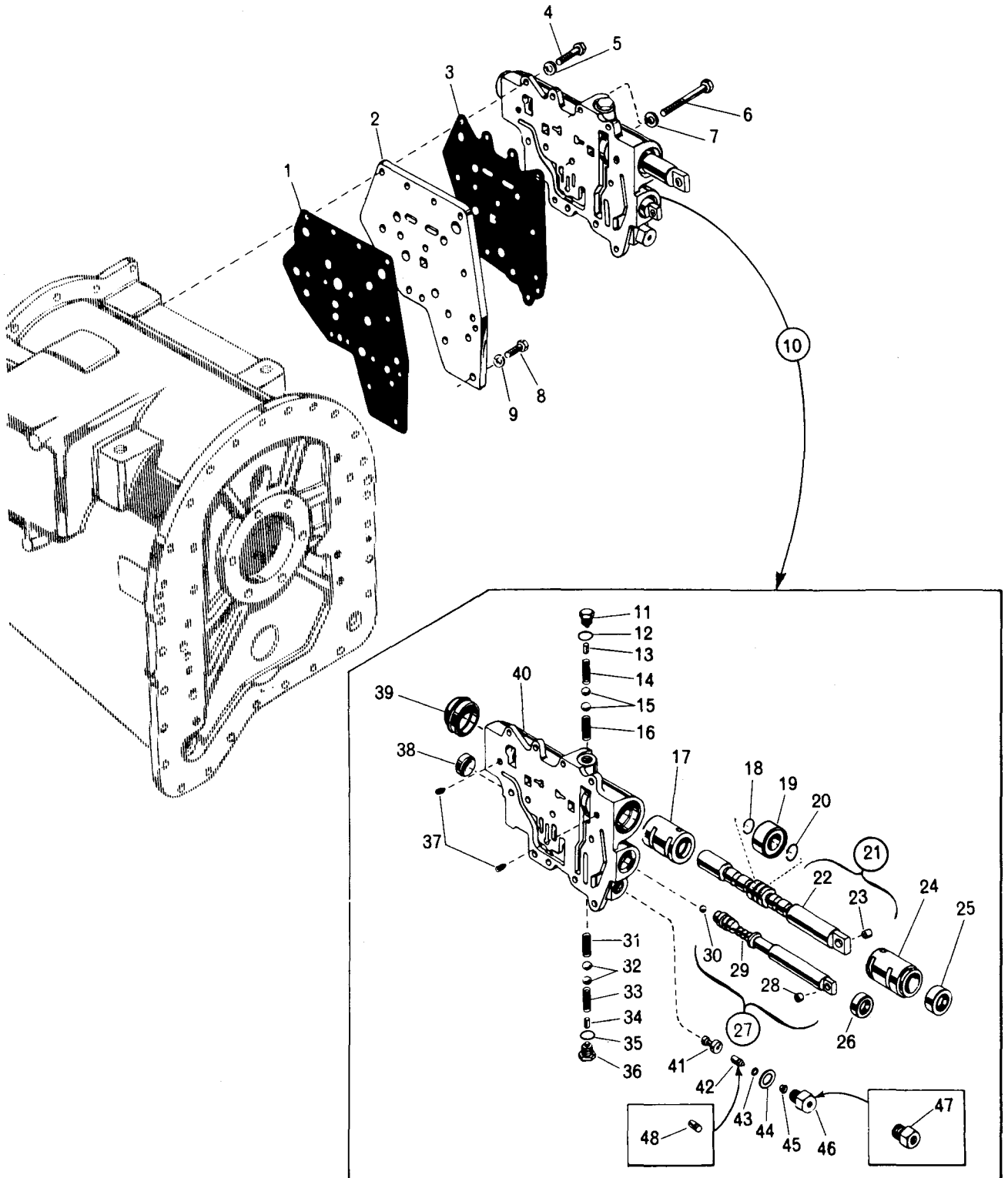


FIG 14-1 CONTROL VALVE

GROUP A

CONTROL VALVE, FIGURE 14

REF NO	NOMENCLATURE	PART NO	REQ
1	GASKET, CHANNEL PLATE	6756956	1
2	PLATE, CHANNEL	6773316	1
3	GASKET	6777072	1
4	BOLT, 3/8-16 X 2	179847	7
5	WASHER, LOCK, 3/8	103321	7
6	BOLT, 3/8-16 X 3 3/8	179397	5
7	WASHER, LOCK, 3/8	103321	5
8	BOLT, 3/8-16 X 1 1/2	179843	2
9	WASHER, LOCK, 3/8	103321	2
10	BODY ASSY, SELECTOR VALVE WITHOUT CLUTCH CUT-OFF VALVE, SELECTOR VALVES POSITIONED TOWARD TRANSMISSION FRONT.	6758324	1
11	SEAL	6703159	1
12	VALVE ASSY, SELECTOR	6769119	1
13	BUSHING	6769402	1
14	VALVE, SELECTOR	6756067 *	1
15	BALL, 5/8 DIA	453577 *	1
16	SEAL	6830153	1
17	BODY, SELECTOR VALVE	6758616	1
18	PLUG, RELIEF VALVE	6772115	1
19	GASKET, ANNULAR	6768523	1
20	PIN	6750945	1
21	SPRING, RELIEF VALVE, .063- PLUS/MINUS .001 DIA WIRE, .563 CC, 9 TOTAL COILS	6703162	1
22	BALL, SHIFT DETENT, 5/8 DIA	453637	2
23	SPRING, RELIEF VALVE, .063- PLUS/MINUS .001 DIA WIRE, .563 CC, 9 TOTAL COILS	6703162	1
24	SLEEVE	6758615	1
25	VALVE ASSY, FORWARD AND REVERSE SELECTOR . . .	6769424	1
26	BUSHING	6769402	1
27	VALVE	6758323 *	1
28	RING, SNAP	6754888	1
29	PISTON	6754887	1
30	RING, SNAP	6754888	1
31	SLEEVE	6758615	1
32	CAP, FORWARD AND REVERSE SELECTOR VALVE . . .	6833388	1
33	CAP, SELECTOR VALVE	6774572	1
34	SPRING, RELIEF VALVE, .063- PLUS/MINUS .001 DIA WIRE, .563 CC, 9 TOTAL COILS	6703162	1
35	BALL, SHIFT DETENT, 5/8 DIA	453637	2
36	SPRING, RELIEF VALVE, .063- PLUS/MINUS .001 DIA WIRE, .563 CC, 9 TOTAL COILS	6703162	1
37	PIN	6750945	1
38	GASKET, ANNULAR	6768523	1
39	PLUG, RELIEF VALVE	6772115	1
40	SCREW, SET, 3/8-16 X 9/16	139793	2
41-45	NOT USED IN THIS GROUP.		

GROUP B

CONTROL VALVE, FIGURE 14

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

4	BOLT, 3/8-16 X 2	179847	6
5	WASHER, LOCK, 3/8	103321	6
6	BOLT, 3/8-16 X 3 3/8	179397	6
7	WASHER, LOCK, 3/8	103321	6
8	BOLT, 3/8-16 X 1 1/2	179843	4
9	WASHER, LOCK, 3/8	103321	4
10	BODY ASSY, SELECTOR VALVE WITH AIR ACTUATED CLUTCH CUT-OFF VALVE, SELECTOR VALVES POSITIONED TOWARD TRANSMISSION FRONT.	6773318	1

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* SERVICED AS AN ASSY - NOT AS A DETAIL PART

GROUP B CONT

CONTROL VALVE, FIGURE 14

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

REF NO	NOMENCLATURE	PART NO	REQ
17	BCDY, SELECTOR VALVE	6773317	1
41	VALVE, CLUTCH CUT-OFF	6772078	1
42	PLUG, CLUTCH CUT-OFF VALVE	6758305	1
43	RING, SEAL, 3/8 ID X 1/16 DIA	6750558	1
44	GASKET, COPPER	6772740	1
45	PLUG, CUT-OFF VALVE RETAINER	6771378	1

GROUP C

CONTROL VALVE, FIGURE 14-1

1	GASKET, CHANNEL PLATE	6756956	1
2	PLATE, CHANNEL	6773316	1
3	GASKET	6777072	1
4	BOLT, 3/8-16 X 2	179847	7
5	WASHER, LOCK, 3/8	103321	7
6	BOLT, 3/8-16 X 3 3/8	179397	5
7	WASHER, LOCK, 3/8	103321	5
8	BOLT, 3/8-16 X 1 1/2	179843	2
9	WASHER, LOCK, 3/8	103321	2
10	BCDY ASSY, SELECTOR VALVE WITH HYDRAULIC ACTUATED CLUTCH CUT-OFF VALVE, SELECTOR VALVES POSITIONED TOWARD TRANSMISSION REAR.	6774038	1
11	PLUG, RELIEF VALVE	6772115	1
12	GASKET, ANNULAR	6768523	1
13	PIN	6750945	1
14	SPRING, RELIEF VALVE, .063- PLUS/MINUS .001 DIA WIRE, .563 OD, 9 TOTAL COILS	6703162	1
15	BALL, SHIFT DETENT, 5/8 DIA	453637	2
16	SPRING, RELIEF VALVE, .063- PLUS/MINUS .001 DIA WIRE, .563 OD, 9 TOTAL COILS	6703162	1
17	SLEEVE	6758615	1
18	RING, SNAP	6754888	1
19	PISTON	6754887	1
20	RING, SNAP	6754888	1
21	VALVE ASSY, FORWARD AND REVERSE SELECTOR . . .	6769424	1
22	VALVE	6758323	1
23	BUSHING	6769402	1
24	SLEEVE	6758615	1
25	SEAL	6830153	1
26	SEAL	6703159	1
27	VALVE ASSY, SELECTOR	6757859	1
28	BUSHING	6769402	1
29	VALVE, SELECTOR	6757853	1
30	BALL, 5/8 DIA	453577	1
31	SPRING, RELIEF VALVE, .063- PLUS/MINUS .001 DIA WIRE, .563 OD, 9 TOTAL COILS	6703162	1
32	BALL, SHIFT DETENT, 5/8 DIA	453637	2
33	SPRING, RELIEF VALVE, .063- PLUS/MINUS .001 DIA WIRE, .563 OD, 9 TOTAL COILS	6703162	1
34	PIN	6750945	1
35	GASKET, ANNULAR	6768523	1
36	PLUG, RELIEF VALVE	6772115	1
37	SCREW, SET, 3/8-16 X 9/16	139793	2
38	CAP, SELECTOR VALVE	6774572	1
39	CAP, FORWARD AND REVERSE SELECTOR VALVE . . .	6833388	1
40	BCDY, SELECTOR VALVE	6773317	1
41	VALVE, CLUTCH CUT-OFF	6772078	1

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* SERVICED AS AN ASSY - NOT AS A DETAIL PART

GROUP C CONT

CONTROL VALVE, FIGURE 14-1

REF NC	NOMENCLATURE	PART NO	REQ
42	PLUG, CLUTCH CUT-OFF VALVE	6771914	1
43	RING, SEAL, 3/8 ID X 1/16 DIA	6750558	1
44	GASKET, COPPER	6772740	1
45	CUP, CLUTCH CUT-OFF PISTON	6771913	1
46	PLUG, CUT-OFF VALVE RETAINER	6758306	1
47-48	NOT USED IN THIS GROUP.		

GROUP D

CONTROL VALVE, FIGURE 14-1

SAME AS GROUP C, EXCEPT FOR PARTS LISTED BELOW.

4	BOLT, 3/8-16 X 2	179847	6
5	WASHER, LOCK, 3/8	103321	6
6	BOLT, 3/8-16 X 3 3/8	179397	6
7	WASHER, LOCK, 3/8	103321	6
8	BOLT, 3/8-16 X 1 1/2	179843	4
9	WASHER, LOCK, 3/8	103321	4
10	BODY ASSY, SELECTOR VALVE WITH AIR ACTUATED . .	6774179	1
	CLUTCH CUT-OFF VALVE, SELECTOR VALVES POSITIONED TOWARD TRANSMISSION REAR.		
40	BODY, SELECTOR VALVE	6834714	1
42	NOT USED IN THIS GROUP.		
45-46	NOT USED IN THIS GROUP.		
47	PLUG, CUT-OFF VALVE RETAINER	6771378	1
48	PLUG, CLUTCH CUT-OFF	6758305	1

GROUP E

CONTROL VALVE, FIGURE 14-1

SAME AS GROUP C, EXCEPT FOR PARTS LISTED BELOW.

8	BOLT, 3/8-16 X 1 1/2	179843	4
9	WASHER, LOCK, 3/8	103321	4
10	BODY ASSY, SELECTOR VALVE WITHOUT CLUTCH . . .	6757865	1
	CUT-OFF VALVE, SELECTOR VALVES POSITIONED TOWARD TRANSMISSION REAR.		
40	BODY, SELECTOR VALVE	6758616	1
41-48	NOT USED IN THIS GROUP.		

GROUP F

CONTROL VALVE, FIGURE 14

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

8	BOLT, 3/8-16 X 1 1/2	179843	4
9	WASHER, LOCK, 3/8	103321	4
10	BODY ASSY, SELECTOR VALVE	6757865	1
12	VALVE ASSY, SELECTOR	6757859	1
14	VALVE, SELECTOR	6757853	1

GROUP G

CONTROL VALVE, FIGURE 14

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

REF NO	NOMENCLATURE	PART NO	REQ
4	BOLT, 3/8-16X2	179847	6
5	WASHER, LOCK, 3/8	103321	6
6	BOLT, 3/8-16 X 3 3/8	179397	6
7	WASHER, LOCK, 3/8	103321	6
8	BOLT, 3/8-16 X 1 1/2	179843	4
9	WASHER, LOCK, 3/8	103321	4
10	BCDY ASSY, SELECTOR VALVE WITH AIR ACTUATED . .	6834715	1
	CLUTCH CUT-OFF VALVE, SELECTOR VALVES POSITIONED TOWARD TRANSMISSION FRONT.		
17	BCDY, SELECTOR VALVE	6834714	1
41	VALVE, CLUTCH CUT-OFF	6772078	1
42	PLUG, CLUTCH CUT-OFF VALVE	6758305	1
43	RING, SEAL, 3/8 ID X 1/16 DIA	6750558	1
44	GASKET, COPPER	6772740	1
45	PLUG, CUT-OFF VALVE RETAINER	6771378	1

OIL FILTER AND OIL FILTER ADAPTER 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
6757512	CRT 5630-2	C	6775889	CRT 5631-3	A
6758981	CRT 5530-3	B	6775956	CRT 5631-6	A
6759722	CRT 5630-2	C	6775957	CRT 5631-6	A
6759792	CRT 5630-5	B	6775958	CRT 5631-6	A
6759799	CRT 5630-5	B	6776471	CRT 5631-6	B
6759800	CRT 5630-3	B	6776869	CRT 5631-6	A
6759808	CRT 5630-6	B	6776870	CRT 5631-6	B
6759833	CRT 5630-2	C	6777050	CRT 5631-7	B
6759980	CRT 5630-5	B	6777111	CRT 5631-7	A
6769778	CRT 5630-6	B	6777145	CRT 5631-6	A
6769926	CRT 5630-6	B	6777533	CRT 5631-6	A
6770280	CRT 5630-3	A	6778182	CRT 5631-6	B
6770378	CRT 5630-2	C	6778360	CRT 5631-7	B
6770604	CRT 5630-7	B	6778365	CRT 5631-7	B
6770680	CRT 5630-6	B	6778591	CRT 5631-7	B
6770695	CRT 5630-6	A	6779117	CRT 5631-6	B
6770992	CRT 5630-6	A	6779118	CRT 5631-6	B
6771642	CRT 5630-3	B	6779240	CRT 5631-6	B
6771643	CRT 5630-6	A	6779471	CRT 5631-6	B
6771644	CRT 5630-6	A	6830744	CRT 5631-7	A
6771691	CRT 5630-6	B	6830848	CRT 5631-6	A
6772035	CRT 5631-5	A	6830849	CRT 5631-6	A
6772706	CRT 5631-6	A	6830852	CRT 5631-6	B
6772769	CRT 5630-5	B	6830853	CRT 5631-5	B
6772820	CRT 5630-6	A	6830854	CRT 5631-6	B
6772821	CRT 5630-6	A	6830855	CRT 5631-7	A
6772878	CRT 5630-7	B	6830881	CRT 5631-7	B
6773041	CRT 5630-5	B	6831043	CRT 5631-6	A
6773143	CRT 5630-2	C	6831364	CRT 5631-8	B
6773306	CRT 5631-6	B	6831857	CRT 5631-5	A
6773915	CRT 5631-6	B	6831858	CRT 5631-6	B
6774016	CRT 5631-7	B	6832011	CRT 5631-6	B
6774088	CRT 5631-7	B	6832155	CRT 5631-6	B
6774147	CRT 5630-6	A	6832401	CRT 5631-7	B
6774148	CRT 5631-6	B	6832411	CRT 5631-6	B
6774341	CRT 5631-5	B	6832788	CRT 5631-5	B
6774498	CRT 5631-6	A	6832795	CRT 5631-6	B
6774524	CRT 5631-7	B	6832865	CRT 5631-6	B
6774564	CRT 5631-5	A	6832916	CRT 5631-7	B
6774639	CRT 5631-6	A	6832917	CRT 5631-6	A
6774640	CRT 5631-6	A	6832924	CRT 5631-7	B
6774665	CRT 5631-8	B	6832980	CRT 5631-6	A
6774692	CRT 5631-6	B	6833130	CRT 5631-6	B
6774764	CRT 5630	B	6833131	CRT 5631-6	A
6774859	CRT 5631-6	A	6833188	CRT 5631-7	B
6774860	CRT 5631-6	A	6833367	CRT 5631-7	B
6775242	CRT 5631-7	A	6833420	CRT 5631-6	B
6775295	CRT 5631-5	B	6833441	CRT 5631-6	B
6775459	CRT 5631-6	B	6833363	CRT 5631-5	A
6775835	CRT 5631-6	B	6833590	CRT 5631-7	B

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

OIL FILTER AND OIL FILTER ADAPTER 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
6833591	CRT 5631-7	B	6834718	CRT 5631-6	B
6833865	CRT 5631-7	B	6834821	CRT 5631-6	A
6834186	CRT 5631-6	B	6834898	CRT 5630-6	A
6834336	CRT 5631-6	A	6835517	CRT 5631-6	B
6834337	CRT 5631-6	B	6835988	CRT 5631-6	B
6834396	CRT 5631-6	B	6836043	CRT 5631-7	A

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

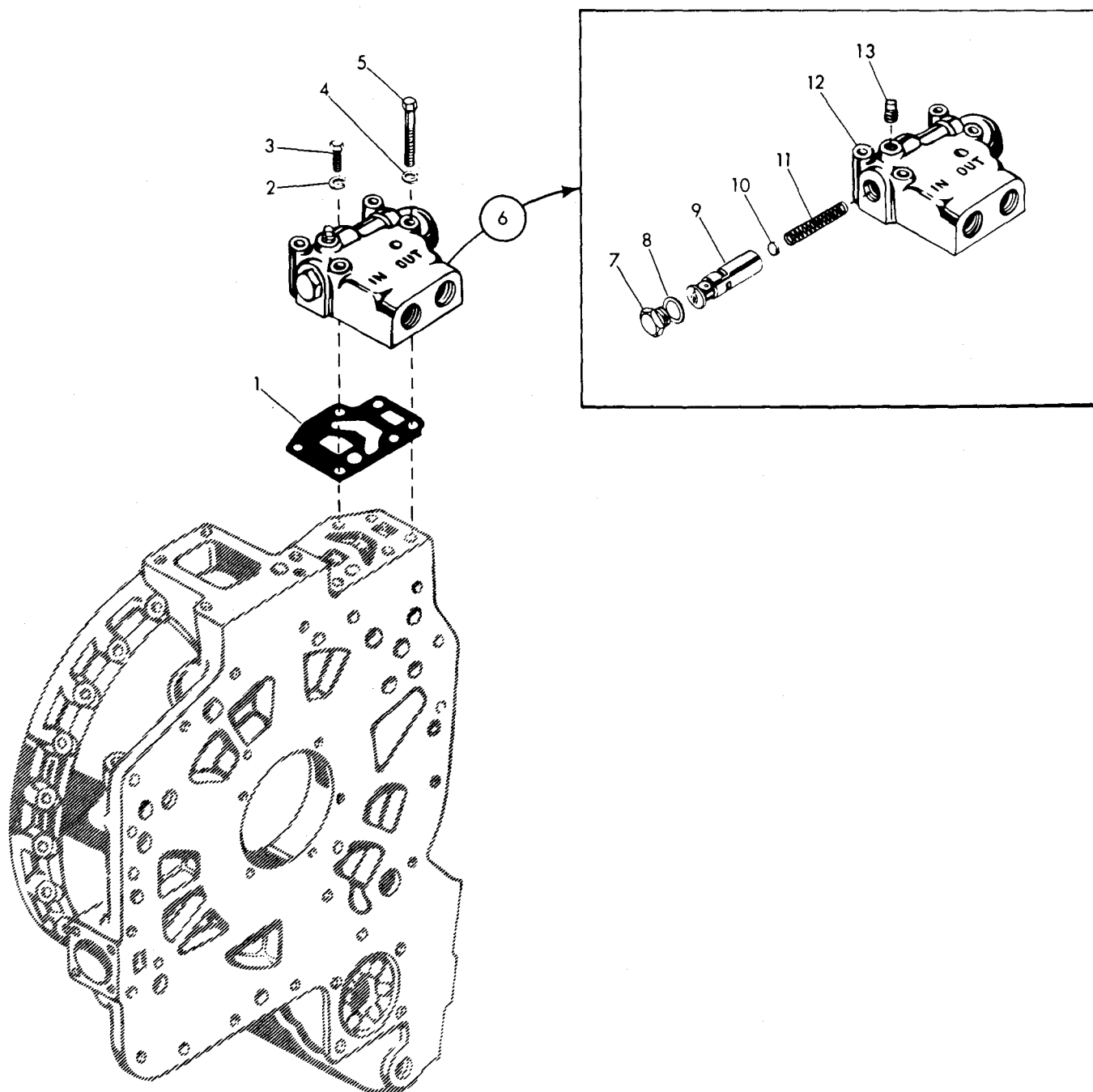


FIG 15 OIL FILTER AND OIL FILTER ADAPTER

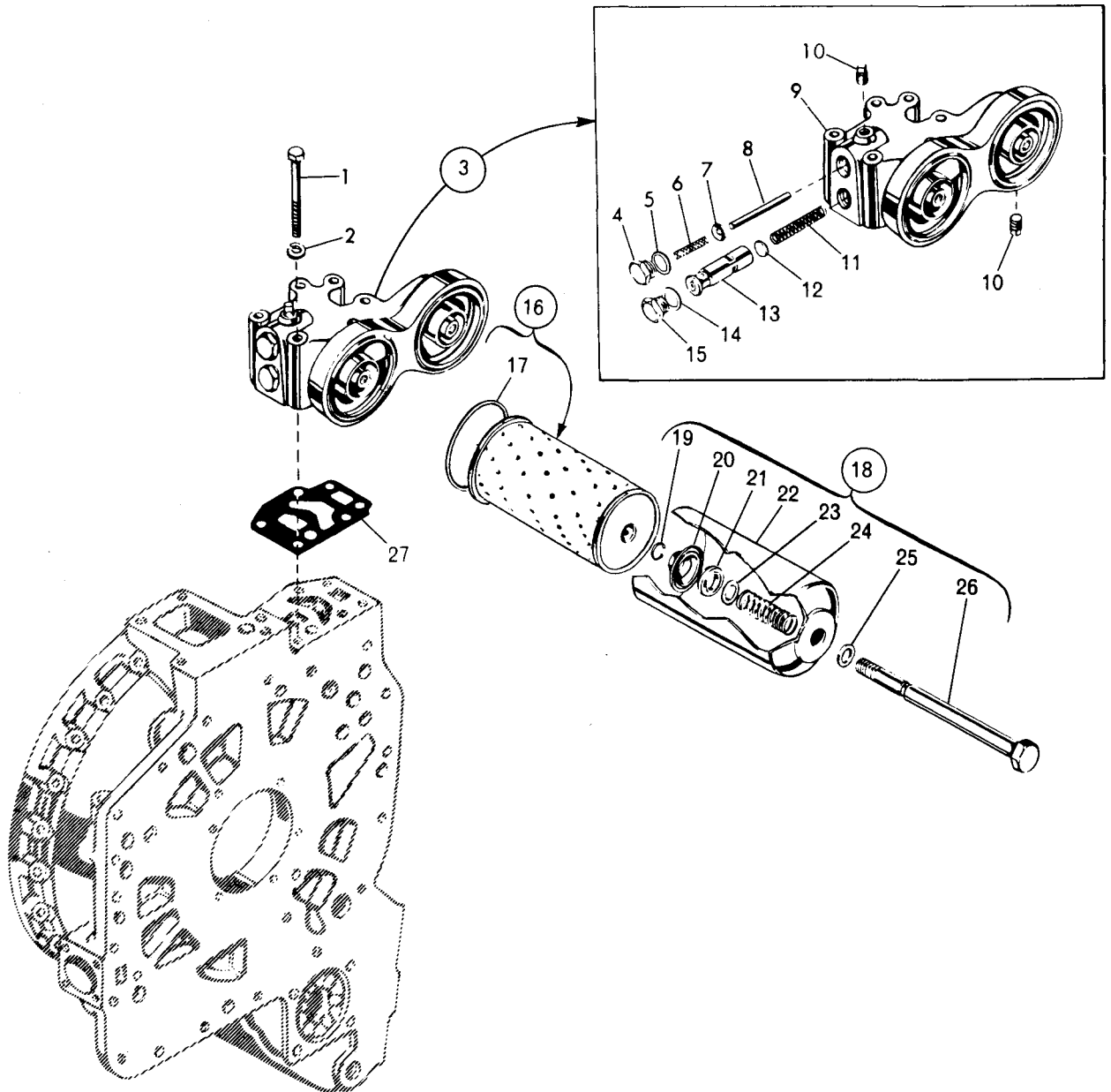


FIG 15-1 OIL FILTER AND OIL FILTER ADAPTER

GROUP A

OIL FILTER AND OIL FILTER ADAPTER, FIGURE 15

REF NO	NOMENCLATURE	PART NO	REQ
1	GASKET, FILTER BASE	6771453	1
2	WASHER, LOCK, 7/16	103322	1
3	BOLT, FX HD, 7/16-14 X 1 1/4	179860	1
4	WASHER, LOCK, 7/16	103322	5
5	BOLT, FX HD, 7/16-14 X 2 3/4	179869	5
6	BODY ASSY, OIL FILTER ADAPTER REMOTE MOUNTED	6769372	1
7	PLUG, 1 1/4-12	6756622	1
8	GASKET, ANNULAR	142756	1
9	VALVE, MAIN PRESSURE REGULATOR	6770549	1
10	SHIP	6770423	AR
11	SPRING, MAIN PRESR REGLTR, .160-.164 DIA	6771287	1
	WIRE, .8750 OD, 22 TOTAL COILS		
12	BODY, OIL FILTER ADAPTER	6769371	1
13	PLUG, PIPE, 1/4 CRYSEAL	444618	1

GROUP B

OIL FILTER AND OIL FILTER ADAPTER, FIGURE 15-1

1	BOLT, FX HD, 7/16-14 X 4 1/2	433142	6
2	WASHER, LOCK, 7/16	103322	6
3	BASE ASSY, OIL FILTER TRANSMISSION MOUNTED	6757592	1
4	PLUG, 1 1/4-12	6756622	1
5	GASKET, ANNULAR	142756	1
6	SPRING, CHECK VALVE, .046-.048 DIA WIRE,	6756623	1
	.281 ID, 34 TOTAL COILS		
7	VALVE, CHECK	6756164	1
8	GUIDE, CHECK VALVE	6756626	1
9	BASE, OIL FILTER	6757591	1
10	PLUG, PIPE, 1/4 DRYSEAL	444618	2
11	SPRING, MAIN PRESR REGLTR, .160-.164 DIA	6771287	1
	WIRE, .8750 OD, 22 TOTAL COILS		
12	SHIP	6770423	AR
13	VALVE, MAIN PRESSURE REGULATOR	6771289	1
14	GASKET, ANNULAR	142756	1
15	PLUG, 1 1/4-12	6756622	1
16	ELEMENT, OIL FILTER	5576200	2
17	GASKET, FILTER SHELL	5577310	2
18	SHELL AND CENTER STUD ASSY	5573956	2
19	RING, RETAINER	5576328	2
20	RETAINER	5187309	2
21	SEAL	5187310	2
22	SHELL	5573957	2
23	WASHER, 1.072 CIA X .812 ID X 5/8 THK	5574348	2
24	SPRING, .106 DIA WIRE, .812 ID, 9 TOTAL	5187308	2
	COILS		
25	GASKET	5573960	2
26	STUD	5573958	2
27	GASKET, FILTER BASE	6771453	1

GROUP C

OIL FILTER AND OIL FILTER ADAPTER, FIGURE 15-1

SAME AS GROUP B, EXCEPT FOR PARTS LISTED BELOW.

16-26

SUPPLIED BY ORIGINAL EQUIPMENT MANUFACTURER.

* SERVICED AS AN ASSY - NOT AS A DETAIL PART

OUTPUT DRIVE TRANSFER GEAR HOUSING 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
6757512	CRT 5630-2	C	6775956	CRT 5631-6	A
6758981	CRT 5530-3	B	6775957	CRT 5631-6	A
6759722	CRT 5630-2	D	6775958	CRT 5631-6	A
6759792	CRT 5630-5	A	6776471	CRT 5631-6	A
6759799	CRT 5630-5	A	6776869	CRT 5631-6	H
6759800	CRT 5630-3	E	6776870	CRT 5631-6	H
6759808	CRT 5630-6	A	6777050	CRT 5631-7	J
6759833	CRT 5630-2	D	6777111	CRT 5631-7	F
6759980	CRT 5630-5	A	6777145	CRT 5631-6	H
6769778	CRT 5630-6	A	6777533	CRT 5631-6	H
6769926	CRT 5630-6	A	6778182	CRT 5631-6	A
6770280	CRT 5630-3	E	6778360	CRT 5631-7	J
6770378	CRT 5630-2	A	6778365	CRT 5631-7	J
6770604	CRT 5630-7	F	6778591	CRT 5631-7	J
6770680	CRT 5630-6	A	6779117	CRT 5631-6	H
6770695	CRT 5630-6	A	6779118	CRT 5631-6	H
6770992	CRT 5630-6	A	6779240	CRT 5631-6	A
6771642	CRT 5630-3	B	6779471	CRT 5631-6	D
6771643	CRT 5630-6	A	6830744	CRT 5631-7	F
6771644	CRT 5630-6	A	6830848	CRT 5631-6	H
6771691	CRT 5630-6	A	6830849	CRT 5631-6	H
6772035	CRT 5631-5	A	6830852	CRT 5631-6	H
6772706	CRT 5631-6	A	6830853	CRT 5631-5	A
6772769	CRT 5630-5	A	6830854	CRT 5631-6	H
6772820	CRT 5630-6	A	6830855	CRT 5631-7	F
6772821	CRT 5630-6	A	6830881	CRT 5631-7	F
6773041	CRT 5630-5	A	6831043	CRT 5631-6	A
6773143	CRT 5630-2	D	6831364	CRT 5631-8	F
6773306	CRT 5631-6	A	6831857	CRT 5631-5	A
6773915	CRT 5631-6	A	6831858	CRT 5631-6	H
6774016	CRT 5631-7	F	6832011	CRT 5631-6	A
6774088	CRT 5631-7	F	6832155	CRT 5631-6	D
6774147	CRT 5630-6	A	6832401	CRT 5631-7	J
6774148	CRT 5631-6	A	6832411	CRT 5631-6	H
6774341	CRT 5631-5	A	6832788	CRT 5631-5	A
6774498	CRT 5631-6	A	6832795	CRT 5631-6	H
6774524	CRT 5631-7	F	6832865	CRT 5631-6	D
6774584	CRT 5631-5	A	6832916	CRT 5631-7	J
6774639	CRT 5631-6	A	6832917	CRT 5631-6	J
6774640	CRT 5631-6	A	6832924	CRT 5631-7	J
6774665	CRT 5631-8	D	6832980	CRT 5631-6	A
6774692	CRT 5631-6	A	6833130	CRT 5631-6	H
6774764	CRT 5630	D	6833131	CRT 5631-6	H
6774859	CRT 5631-6	A	6833188	CRT 5631-7	J
6774860	CRT 5631-6	A	6833367	CRT 5631-7	J
6775242	CRT 5631-7	F	6833420	CRT 5631-6	A
6775295	CRT 5631-5	A	6833441	CRT 5631-6	D
6775459	CRT 5631-6	A	6833363	CRT 5631-5	H
6775835	CRT 5631-6	A	6833590	CRT 5631-7	F
6775889	CRT 5631-3	G	6833591	CRT 5631-7	F

CONTINUED ON NEXT PAGE

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

OUTPUT DRIVE TRANSFER GEAR HOUSING 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
6833865	CRT 5631-7	J	6834821	CRT 5631-6	H
6834186	CRT 5631-6	A	6834898	CRT 5631-6	H
6834336	CRT 5631-6	A	6835517	CRT 5631-6	K
6834337	CRT 5631-6	H	6835988	CRT 5631-6	A
6834396	CRT 5631-6	A	6836043	CRT 5631-7	J
6834718	CRT 5631-6	D			

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

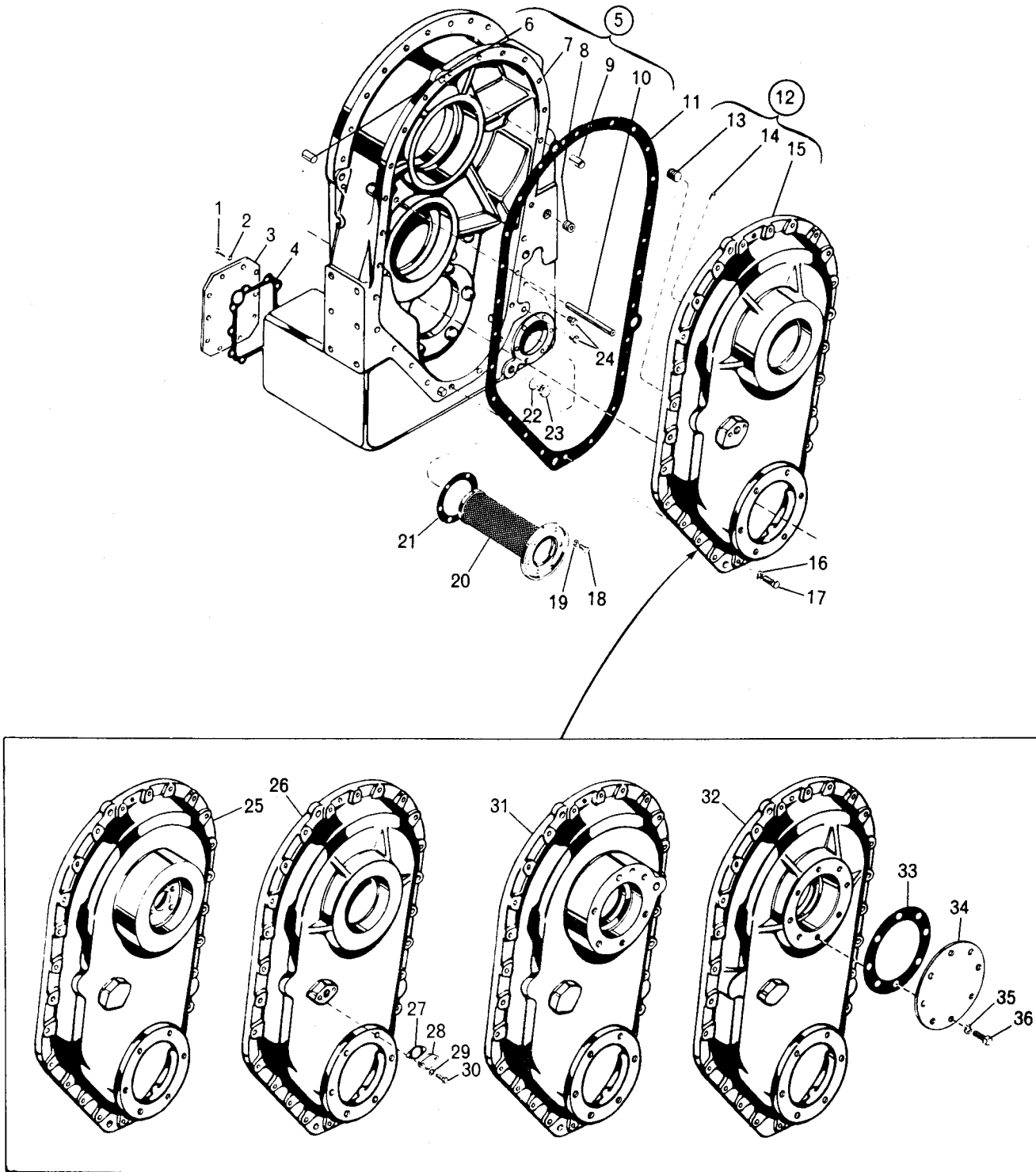


FIG 16 OUTPUT DRIVE TRANSFER GEAR HOUSING

GROUP A

CUTPUT DRIVE TRANSFER GEAR HOUSING, FIGURE 16

REF NO	NOMENCLATURE	PART NO	REQ
1	BOLT, 3/8-16 X 7/8	179838	20
2	WASHER, LOCK, 3/8	103321	20
3	COVER	6769965	2
4	GASKET	6773446	2
5	HOUSING ASSY, TRANSFER GEAR	6768736	1
6	PIN, COWEL, 3/4 X 1.25	107393	2
7	HOUSING	6768735 *	1
8	PLUG, PIPE, 1 INCH	444678	1
9	PIN, COWEL, 3/4 X 1.25	107393	2
10	NOT USED IN THIS GROUP.		
11	GASKET	6756313	1
12-15	NOT USED IN THIS GROUP.		
16	WASHER, LOCK, 1/2	103323	26
17	BOLT, 1/2-13 X 1 3/4	179887	26
18	BOLT, 3/8-16 X 7/8	179838	6
19	WASHER, LOCK, 3/8	103321	6
20	STRAINER	6757382	1
21	GASKET, STRAINER	6750265	1
22	GASKET, ANNULAR	105456	1
23	PLUG, SUMP DRAIN MAGNETIC	2146310	1
24	PLUG, OIL LEVEL CHECK	444618	2
25	NOT USED IN THIS GROUP.		
26	COVER, TRANSFER GEAR HOUSING	6771509	1
27	GASKET	552868	1
28	COVER, SPEEDOMETER DRIVE	6771300	1
29	WASHER, LOCK, 5/16	103320	2
30	BOLT, HEX HD, 5/16-18 X 7/8	179817	2
31-36	NOT USED IN THIS GROUP.		

GROUP B

CUTPUT DRIVE TRANSFER GEAR HOUSING, FIGURE 16

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

25	COVER, TRANSFER GEAR HOUSING	6768971	1
26-36	NOT USED IN THIS GROUP.		

GROUP C

CUTPUT DRIVE TRANSFER GEAR HOUSING, FIGURE 16

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

5	HOUSING ASSY, TRANSFER GEAR	6757597	1
10	TUBE, OUTPUT OIL	6757593	1
12	COVER ASSY, TRANSFER GEAR HOUSING	6757594	1
13	PLUG, PIPE, 1 INCH	444678	2
14	PIN	141195	1
15	COVER	6757539 *	1
25-36	NOT USED IN THIS GROUP.		

* SERVICED AS AN ASSY - NOT AS A DETAIL PART

GROUP D

CUTPUT DRIVE TRANSFER GEAR HOUSING, FIGURE 16
 SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

REF NO	NOMENCLATURE	PART NO	REQ
27-36	NOT USED IN THIS GROUP.		

GROUP E

CUTPUT DRIVE TRANSFER GEAR HOUSING, FIGURE 16
 SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

25-30	NOT USED IN THIS GROUP.		
31	COVER, TRANSFER GEAR HOUSING	6769290	1
32-36	NOT USED IN THIS GROUP.		

GROUP F

CUTPUT DRIVE TRANSFER GEAR HOUSING, FIGURE 16
 SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

1-19	SUPPLIED BY ORIGINAL EQUIPMENT MANUFACTURER.		
22-36	SUPPLIED BY ORIGINAL EQUIPMENT MANUFACTURER.		

GROUP G

CUTPUT DRIVE TRANSFER GEAR HOUSING, FIGURE 16
 SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

26	NOT USED IN THIS GROUP.		
32	COVER, TRANSFER GEAR HOUSING	X22900	1
33	GASKET	X22914	1
34	COVER	X22913	1
35	WASHER, LOCK, 7/16	103322	8
36	BOLT, HX HD, 7/16-14 X 1 1/4	179860	8

GROUP H

CUTPUT DRIVE TRANSFER GEAR HOUSING, FIGURE 16
 SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

5	HOUSING ASSY, TRANSFER GEAR	6776868	1
7	HCUSING	6776776 *	1
26	COVER, TRANSFER GEAR HOUSING	6776777	1
27-36	NOT USED IN THIS GROUP.		

GROUP J

CUTPUT DRIVE TRANSFER GEAR HOUSING, FIGURE 16

1-36	SUPPLIED BY ORIGINAL EQUIPMENT MANUFACTURER.		
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GROUP K

OUTPUT DRIVE TRANSFER GEAR HOUSING, FIGURE 16

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

REF NO

NOMENCLATURE

PART NO

REQ

27-36

NOT USED IN THIS GROUP

OUTPUT DRIVE TRANSFER GEAR 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
6757512	CRT 5630-2	B	6775957	CRT 5631-6	A
6758981	CRT 5530-3	A	6775958	CRT 5631-6	A
6759722	CRT 5630-2	B	6776471	CRT 5631-6	B
6759792	CRT 5630-5	A	6776869	CRT 5631-6	D
6759799	CRT 5630-5	A	6776870	CRT 5631-6	D
6759800	CRT 5630-3	A	6777050	CRT 5631-7	C
6759808	CRT 5630-6	A	6777111	CRT 5631-7	C
6759833	CRT 5630-2	B	6777145	CRT 5631-6	D
6759980	CRT 5630-5	A	6777533	CRT 5631-6	D
6769778	CRT 5630-6	A	6775956	CRT 5631-6	A
6769926	CRT 5630-6	A	6778182	CRT 5631-6	A
6770280	CRT 5630-3	A	6778360	CRT 5631-7	C
6770378	CRT 5630-2	B	6778365	CRT 5631-7	C
6770604	CRT 5630-7	C	6778591	CRT 5631-7	C
6770680	CRT 5630-6	A	6779117	CRT 5631-6	D
6770695	CRT 5630-6	A	6779118	CRT 5631-6	D
6770992	CRT 5630-6	A	6779240	CRT 5631-6	A
6771642	CRT 5630-3	A	6779471	CRT 5631-6	B
6771643	CRT 5630-6	A	6830744	CRT 5631-7	C
6771644	CRT 5630-6	A	6830848	CRT 5631-6	D
6771691	CRT 5630-6	A	6830849	CRT 5631-6	D
6772035	CRT 5631-5	A	6830852	CRT 5631-6	D
6772706	CRT 5631-6	A	6830853	CRT 5631-5	A
6772769	CRT 5630-5	A	6830854	CRT 5631-6	D
6772820	CRT 5630-6	A	6830855	CRT 5631-7	C
6772821	CRT 5630-6	A	6830881	CRT 5631-7	C
6773041	CRT 5630-5	A	6831043	CRT 5631-6	A
6773143	CRT 5630-2	B	6831364	CRT 5631-8	C
6773306	CRT 5631-6	A	6831857	CRT 5631-5	A
6773915	CRT 5631-6	A	6831858	CRT 5631-6	D
6774088	CRT 5631-7	C	6832011	CRT 5631-6	A
6774147	CRT 5630-6	A	6832155	CRT 5631-6	B
6774016	CRT 5631-7	C	6832401	CRT 5631-7	C
6774148	CRT 5631-6	A	6832411	CRT 5631-6	D
6774341	CRT 5631-5	A	6832788	CRT 5631-5	B
6774498	CRT 5631-6	A	6832795	CRT 5631-6	D
6774524	CRT 5631-7	C	6832865	CRT 5631-6	B
6774584	CRT 5631-5	A	6832916	CRT 5631-7	C
6774639	CRT 5631-6	A	6832917	CRT 5631-6	C
6774640	CRT 5631-6	A	6832924	CRT 5631-7	C
6774665	CRT 5631-8	B	6832980	CRT 5631-6	A
6774692	CRT 5631-6	A	6833130	CRT 5631-6	D
6774764	CRT 5630	B	6833131	CRT 5631-6	D
6774859	CRT 5631-6	A	6833188	CRT 5631-7	C
6774860	CRT 5631-6	A	6833367	CRT 5631-7	C
6775242	CRT 5631-7	C	6833420	CRT 5631-6	A
6775295	CRT 5631-5	A	6833441	CRT 5631-6	B
6775459	CRT 5631-6	A	6833363	CRT 5631-5	D
6775835	CRT 5631-6	A	6833590	CRT 5631-7	C
6775889	CRT 5631-3	A	6833591	CRT 5631-7	C

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

OUTPUT DRIVE TRANSFER GEAR 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
6833865	CRT 5631-7	C	6834821	CRT 5631-6	D
6834186	CRT 5631-6	A	6834898	CRT 5631-6	D
6834336	CRT 5631-6	A	6835517	CRT 5631-6	B
6834337	CRT 5631-6	C	6835988	CRT 5631-6	A
6834396	CRT 5631-6	A	6836043	CRT 5631-7	C
6834718	CRT 5631-6	B			

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

ALL ISON POWERSHIFT TRANSMISSION 5530-5630-5631 SERIES PARTS CATALOG

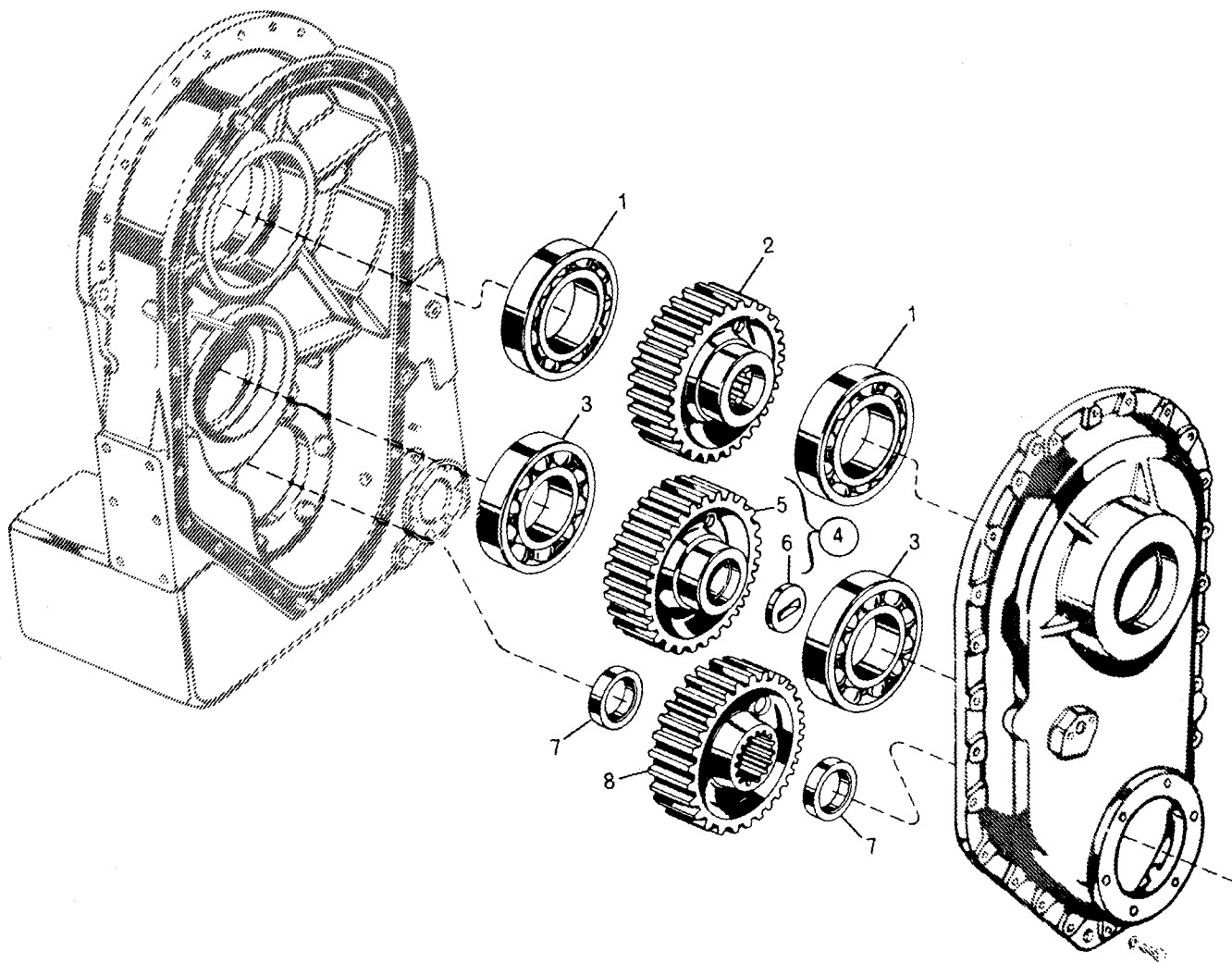


FIG 17 OUTPUT DRIVE TRANSFER GEAR

GROUP A

OUTPUT DRIVE TRANSFER GEAR, FIGURE 17

REF NO	NOMENCLATURE	PART NO	REQ
1	BEARING, SINGLE ROW BALL, NO 3222	903222	2
2	GEAR, TRANSFER DRIVE 1 TO 1	6757533	1
3	BEARING, SINGLE ROW BALL, NO 1222	901222	2
4	NCT USED IN THIS GROUP.		
5	GEAR	6757535	1
6	NOT USED IN THIS GROUP.		
7	SPACER	6757534	2
8	GEAR, TRANSFER DRIVEN	6757557	1

GROUP B

OUTPUT DRIVE TRANSFER GEAR, FIGURE 17

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

4	GEAR ASSY, TRANSFER IDLER 1 TO 1	6757540	1
5	GEAR	6757535 *	1
6	PLUG, OUTPUT IDLER GEAR	6757536	1

GROUP C

OUTPUT DRIVE TRANSFER GEAR, FIGURE 17

1-8 SUPPLIED BY ORIGINAL EQUIPMENT MANUFACTURER.

GROUP D

OUTPUT DRIVE TRANSFER GEAR, FIGURE 17

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

2	GEAR, TRANSFER DRIVE 1.2 TO 1	6776778	1
5	GEAR, OUTPUT IDLER	6776779	1

* SERVICED AS AN ASSY - NCT AS A DETAIL PART

OUTPUT DRIVE 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
6757512	CRT 5630-2	B	6775957	CRT 5631-6	A
6758981	CRT 5530-3	A	6775958	CRT 5631-6	A
6759722	CRT 5630-2	C	6776471	CRT 5631-6	C
6759792	CRT 5630-5	A	6776869	CRT 5631-6	A
6759799	CRT 5630-5	A	6776870	CRT 5631-6	A
6759800	CRT 5630-3	A	6777050	CRT 5631-7	D
6759808	CRT 5630-6	A	6777111	CRT 5631-7	D
6759833	CRT 5630-2	C	6777145	CRT 5631-6	A
6759980	CRT 5630-5	A	6777533	CRT 5631-6	A
6769778	CRT 5630-6	A	6775956	CRT 5631-6	A
6769926	CRT 5630-6	A	6778182	CRT 5631-6	A
6770280	CRT 5630-3	A	6778360	CRT 5631-7	D
6770378	CRT 5630-2	C	6778365	CRT 5631-7	D
6770604	CRT 5630-7	D	6778591	CRT 5631-7	D
6770680	CRT 5630-6	A	6779117	CRT 5631-6	A
6770695	CRT 5630-6	A	6779118	CRT 5631-6	A
6770992	CRT 5630-6	A	6779240	CRT 5631-6	A
6771642	CRT 5630-3	A	6779471	CRT 5631-6	F
6771643	CRT 5630-6	A	6830744	CRT 5631-7	D
6771644	CRT 5630-6	A	6830848	CRT 5631-6	A
6771691	CRT 5630-6	A	6830849	CRT 5631-6	A
6772035	CRT 5631-5	A	6830852	CRT 5631-6	A
6772706	CRT 5631-6	A	6830853	CRT 5631-5	A
6772769	CRT 5630-5	A	6830854	CRT 5631-6	A
6772820	CRT 5630-6	A	6830855	CRT 5631-7	D
6772821	CRT 5630-6	A	6830881	CRT 5631-7	D
6773041	CRT 5630-5	A	6831043	CRT 5631-6	A
6773143	CRT 5630-2	C	6831364	CRT 5631-8	D
6773306	CRT 5631-6	A	6831857	CRT 5631-5	A
6773915	CRT 5631-6	A	6831858	CRT 5631-6	G
6774016	CRT 5631-7	D	6832011	CRT 5631-6	A
6774088	CRT 5631-7	C	6832155	CRT 5631-6	E
6774147	CRT 5630-6	A	6832401	CRT 5631-7	D
6774148	CRT 5631-6	A	6832411	CRT 5631-6	A
6774341	CRT 5631-5	A	6832788	CRT 5631-5	A
6774498	CRT 5631-6	A	6832795	CRT 5631-6	A
6774524	CRT 5631-7	D	6832865	CRT 5631-6	A
6774564	CRT 5631-5	A	6832916	CRT 5631-7	D
6774639	CRT 5631-6	A	6832917	CRT 5631-6	U
6774640	CRT 5631-6	A	6832924	CRT 5631-7	D
6774665	CRT 5631-8	E	6832980	CRT 5631-6	A
6774692	CRT 5631-6	A	6833130	CRT 5631-6	A
6774764	CRT 5630	C	6833131	CRT 5631-6	A
6774859	CRT 5631-6	A	6833188	CRT 5631-7	D
6774860	CRT 5631-6	A	6833367	CRT 5631-7	D
6775242	CRT 5631-7	D	6833420	CRT 5631-6	A
6775295	CRT 5631-5	A	6833441	CRT 5631-6	A
6775459	CRT 5631-6	A	6833363	CRT 5631-5	A
6775835	CRT 5631-6	A	6833590	CRT 5631-7	D
6775889	CRT 5631-3	A	6833591	CRT 5631-7	D

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

OUTPUT DRIVE 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
6833865	CRT 5631-7	D	6834821	CRT 5631-6	A
6834186	CRT 5631-6	A	6834898	CRT 5631-6	A
6834336	CRT 5631-6	A	6835517	CRT 5631-6	A
6834337	CRT 5631-6	H	6835988	CRT 5631-6	A
6834396	CRT 5631-6	A	6836043	CRT 5631-7	D
6834718	CRT 5631-6	G			

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

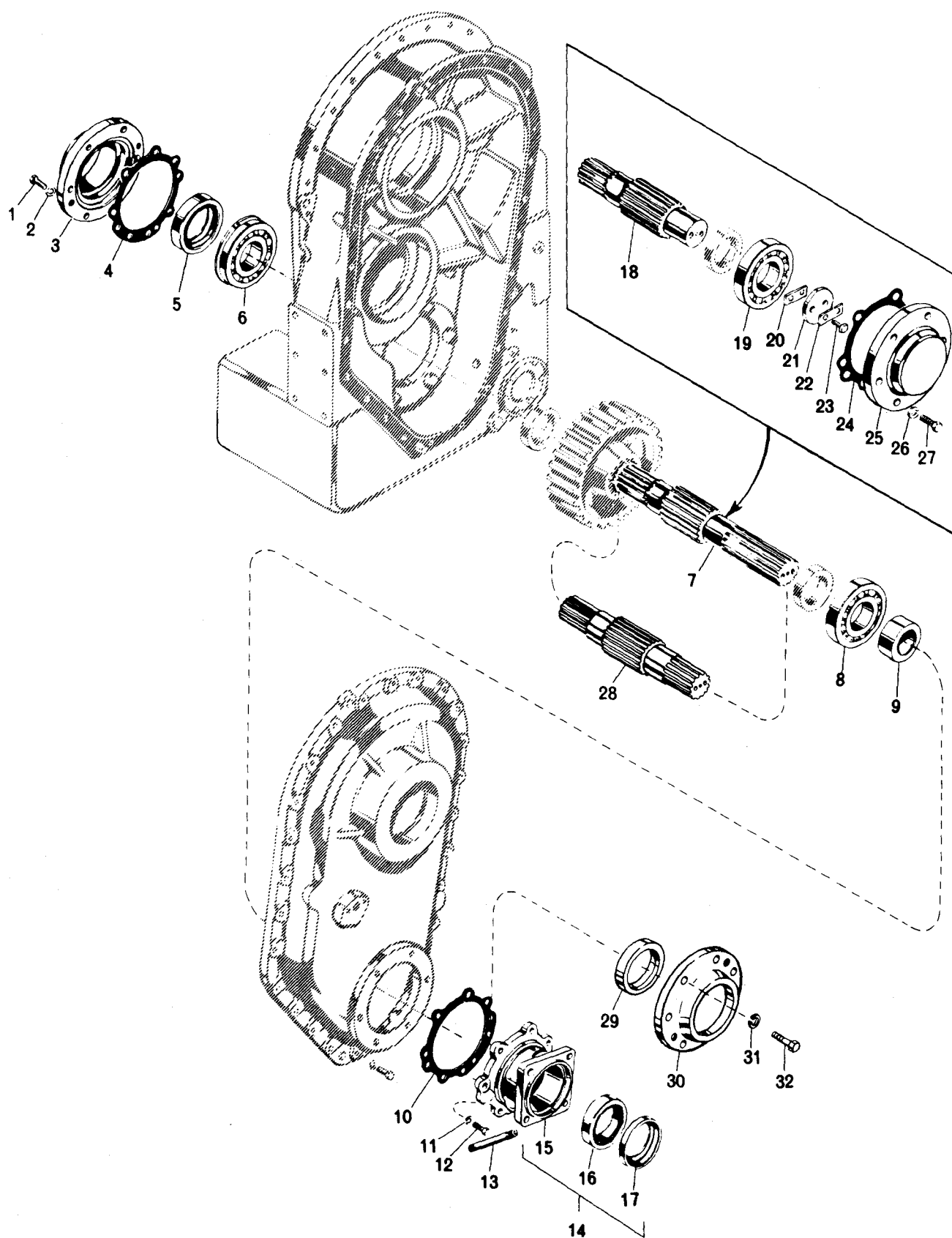


FIG 18 OUTPUT DRIVE

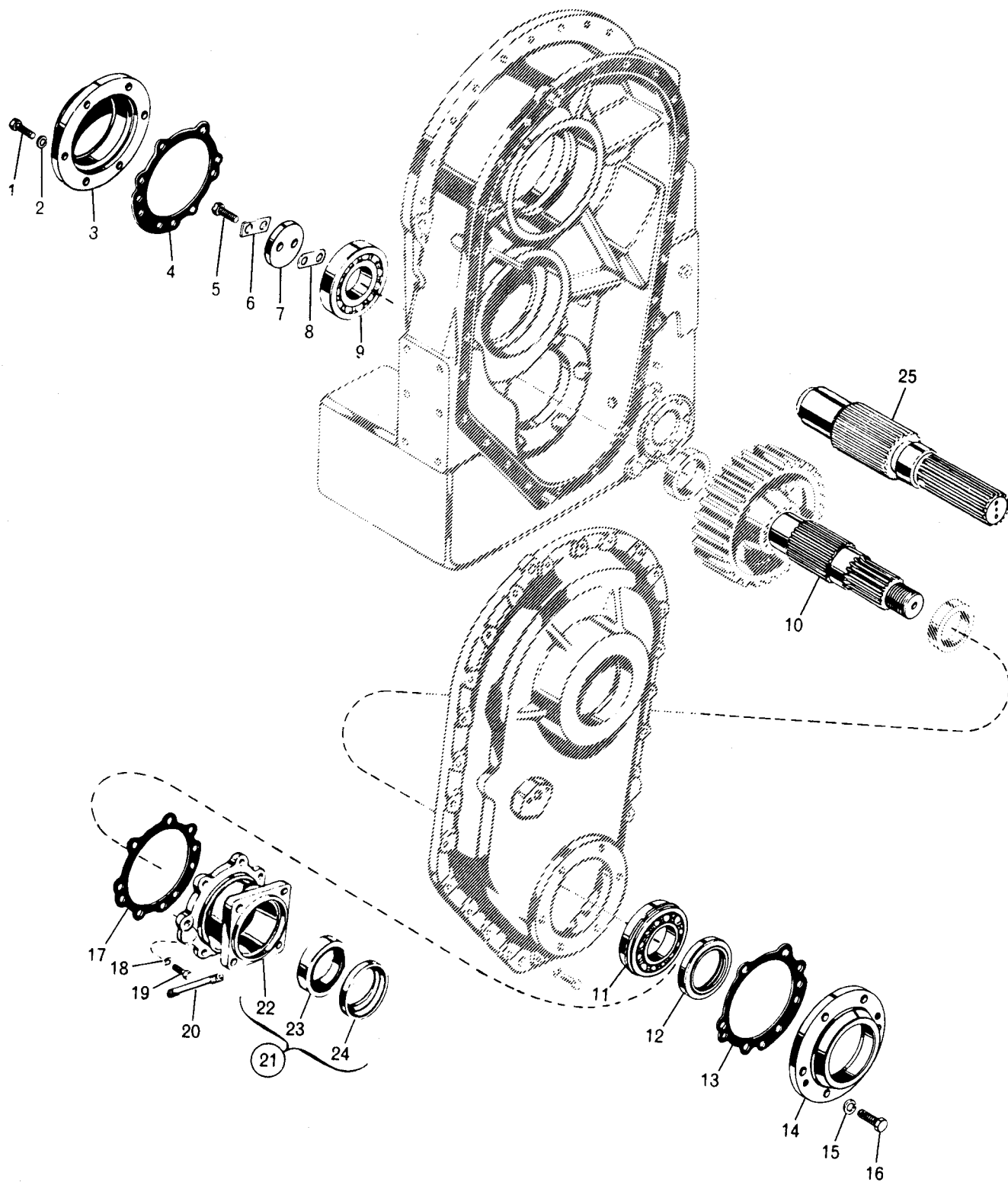


FIG 18-1 OUTPUT DRIVE

GROUP A

OUTPUT DRIVE, FIGURE 18

REF NO	NOMENCLATURE	PART NO	REQ
1	BOLT, 1/2-13 X 1 3/8	179884	6
2	WASHER, LOCK, 1/2	103323	6
3	RETAINER, BEARING	6757555	1
4	GASKET	6758563	1
5	SEAL	6773311	1
6	BEARING, SINGLE RCW BALL, ND 41314	901598	1
7	SHAFT, CUTPUT DRIVE	6774044	1
8	BEARING, SINGLE RCW BALL, ND 1314	901314	1
9	SPACER	6770677	1
10	GASKET	6758563	1
11	WASHER, LOCK, 1/2	103323	6
12	BOLT, 1/2-13 X 1 1/2	186725	6
13	NIPPLE	119247	1
14	RETAINER ASSY	6768878	1
15	RETAINER	6768877 *	1
16	SEAL	6773311	1
17	BAFFLE	6757563	1
18-27	NOT USED IN THIS GROUP.		

GROUP B

OUTPUT DRIVE, FIGURE 18

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

7-17	NOT USED IN THIS GROUP.		
18	SHAFT, CUTPUT DRIVE	6757531	1
19	BEARING, SINGLE RCW BALL, NC 1314	901314	1
20	SHIM, .025	6772140	AR
20	SHIM, .005	6772141	AR
21	RETAINER	6769476	1
22	STRIP, LOCKING	6755269	1
23	BOLT, 1/2-20 X 1 1/4	9409059	2
24	GASKET	6758563	1
25	RETAINER	6757585	1
26	WASHER, LOCK, 1/2	103323	6
27	BOLT, HX HD, 1/2-13 X 1 3/8	179884	6

GROUP C

OUTPUT DRIVE, FIGURE 18

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

7-17	NOT USED IN THIS GROUP.		
18	SHAFT, CUTPUT DRIVE	6770094	1
19	BEARING, SINGLE RCW BALL, NC1314	901314	1
20	SHIM, .025	6772140	AR
20	SHIM, .005	6772141	AR
21	RETAINER	6769476	1
22	STRIP, LOCKING	6755269	1
23	BOLT, 1/2-20 X 1 1/4	9409059	2
24	GASKET	6758563	1
25	RETAINER	6757585	1
26	WASHER, LOCK, 1/2	103323	6
27	BOLT, HX HD, 1/2-13 X 1 3/8	179884	6

* SERVICED AS AN ASSY - NOT AS A DETAIL PART

GROUP D

OUTPUT DRIVE, FIGURE 18

REF NC	NOMENCLATURE	PART NO	REQ
1-17	SUPPLIED BY ORIGINAL EQUIPMENT MANUFACTURER.		
18-27	NOT USED IN THIS GROUP.		

GROUP E

OUTPUT CRIVE, FIGURE 18-1

1	BOLT, HX HD, 1/2-13 X 1 3/8	179884	6
2	WASHER, LOCK, 1/2	103323	6
3	RETAINER	6757585	1
4	GASKET	6758563	1
5	BOLT, HX HD, 1/2-20 X 1 1/4	9409059	2
6	STRIP, LCCKING	6755269	1
7	RETAINER	6769476	1
8	SHIM, .025	6772140	AR
8	SHIM, .005	6772141	AR
9	BEARING, SINGLE RCW BALL, NO 1314	901314	1
10	SHAFT, OUTPUT DRIVE	6770646	1
11	BEARING, SINGLE RCW BALL, NO 41314	901598	1
12	SEAL	6773311	1
13	GASKET	6758563	1
14	RETAINER, BEARING	6757555	1
15	WASHER, LOCK, 1/2	103323	6
16	BOLT, HX HD, 1/2-13 X 1 3/8	179884	6
17-25	NOT USED IN THIS GROUP.		

GROUP F

OUTPUT CRIVE, FIGURE 18-1

SAME AS GROUP E, EXCEPT FOR PARTS LISTED BELOW.

10	NOT USED IN THIS GROUP.		
12-16	NOT USED IN THIS GROUP		
17	GASKET	6758563	1
18	WASHER, LOCK, 1/2	103323	6
19	BOLT, 1/2-13 X 1 1/2	186725	6
20	NIPPLE	119247	1
21	RETAINER ASSY	6768878	1
22	RETAINER	6768877	1
23	SEAL	6773311	1
24	BAFFLE	6757563	1
25	SHAFT, OUTPUT CRIVE	6779465	1

GROUP G

OUTPUT CRIVE, FIGURE 18-1

SAME AS GROUP E, EXCEPT FOR PARTS LISTED BELOW.

10	NOT USED IN THIS GROUP.		
17-24	NOT USED IN THIS GROUP		
25	SHAFT, OUTPUT DRIVE	6770094	1

* SERVICED AS AN ASSY - NOT AS A DETAIL PART

GROUP H

OUTPUT DRIVE, FIGURE 18

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

REF NC	NOMENCLATURE	PART NO	REQ
7	NOT USED IN THIS GROUP.		
9	NOT USED IN THIS GROUP.		
11-27	NOT USED IN THIS GROUP.		
28	SHAFT, OUTPUT DRIVE	6833833	1
29	SEAL, CIL	6773311	1
30	RETAINER, BEARING	6757555	1
31	WASHER, LOCK, 1/2	103323	6
32	BOLT, HX HD, 1/2-13 X 1 3/8	179884	6

PARKING 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
6758981	CRT 5530-3	A	6776870	CRT 5631-6	A
6759792	CRT 5630-5	A	6777050	CRT 5631-7	B
6759799	CRT 5630-5	A	6777111	CRT 5631-7	B
6759800	CRT 5630-3	A	6777145	CRT 5631-6	A
6759808	CRT 5630-6	A	6777533	CRT 5631-6	A
6759980	CRT 5630-5	A	6778182	CRT 5631-6	A
6769778	CRT 5630-6	A	6778360	CRT 5631-7	B
6769926	CRT 5630-6	A	6778591	CRT 5631-7	B
6770280	CRT 5630-3	A	6779117	CRT 5631-6	A
6770680	CRT 5630-6	A	6779118	CRT 5631-6	A
6770695	CRT 5630-6	A	6779240	CRT 5631-6	A
6770992	CRT 5630-6	A	6779471	CRT 5631-6	A
6771642	CRT 5630-3	A	6830744	CRT 5631-7	B
6771643	CRT 5630-6	A	6830848	CRT 5631-6	A
6771644	CRT 5630-6	A	6830849	CRT 5631-6	A
6771691	CRT 5630-6	A	6830852	CRT 5631-6	A
6772035	CRT 5631-5	A	6830853	CRT 5631-5	A
6772706	CRT 5631-6	A	6830854	CRT 5631-6	A
6772769	CRT 5630-5	A	6830855	CRT 5631-7	B
6772820	CRT 5630-6	A	6830881	CRT 5631-7	B
6772821	CRT 5630-6	A	6831043	CRT 5631-6	A
6773041	CRT 5630-5	B	6831364	CRT 5631-8	B
6773306	CRT 5631-6	A	6831857	CRT 5631-5	A
6773915	CRT 5631-6	A	6832011	CRT 5631-6	A
6774016	CRT 5631-7	B	6832401	CRT 5631-7	B
6774088	CRT 5631-7	B	6832411	CRT 5631-6	A
6774147	CRT 5630-6	A	6832788	CRT 5631-5	A
6774148	CRT 5631-6	A	6832795	CRT 5631-6	A
6774341	CRT 5631-5	A	6832865	CRT 5631-6	A
6774498	CRT 5631-6	A	6832916	CRT 5631-7	B
6774524	CRT 5631-7	B	6832980	CRT 5631-6	A
6774584	CRT 5631-5	A	6833131	CRT 5631-6	A
6774639	CRT 5631-6	A	6833188	CRT 5631-7	B
6774640	CRT 5631-6	A	6833367	CRT 5631-7	B
6774692	CRT 5631-6	A	6833420	CRT 5631-6	A
6774859	CRT 5631-6	A	6833441	CRT 5631-6	A
6774860	CRT 5631-6	A	6833590	CRT 5631-7	B
6775242	CRT 5631-7	B	6834166	CRT 5631-6	A
6775295	CRT 5631-5	A	6834336	CRT 5631-6	A
6775459	CRT 5631-6	A	6834356	CRT 5631-6	A
6775835	CRT 5631-6	A	6834821	CRT 5631-6	A
6775889	CRT 5631-3	A	6834898	CRT 5631-6	A
6775956	CRT 5631-6	A	6835517	CRT 5631-6	A
6775957	CRT 5631-6	A	6835988	CRT 5631-6	A
6775958	CRT 5631-6	A	6836043	CRT 5631-7	B
6776869	CRT 5631-6	A			

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

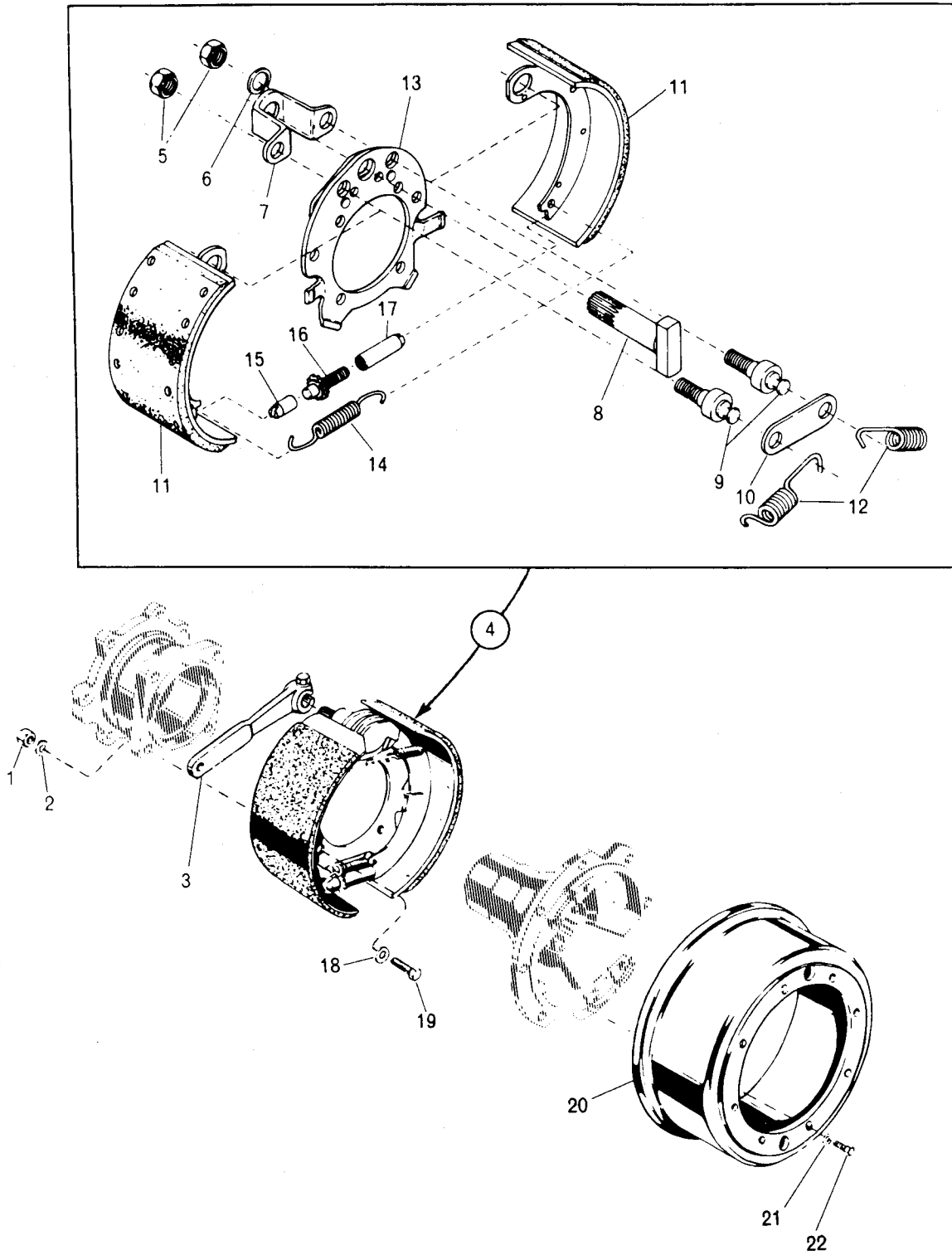


FIG 19 PARKING BRAKE

GROUP A

PARKING BRAKE, FIGURE 19

REF NO	NOMENCLATURE	PART NO	REQ
1	NUT, 5/8-18	274468	4
2	WASHER, EMERGENCY BRAKE MOUNTING, 5/8	6768827	8
3	LEVER, BRAKE APPLY, 8 1/2	6770597	1
4	BRAKE ASSY, MECHANICAL ACTUATED	6770598	1
5	NUT, HX, 3/4-16	218197	2
6	WASHER, LOCKING, 3/4	103326	2
7	PLATE, BRAKE BACKING	2400596	1
8	SHAFT, CAM	2400595	1
9	PIN, ANCHOR	2399049	2
10	BRACE, ANCHOR PIN	2399050	1
11	SHOE AND LINING	6830409	2
12	SPRING	2399048	2
13	PLATE, BRAKE SUPPORT	2399044	1
14	SPRING	2344799	1
15	SOCKET, ADJUSTING SCREW	2344798	1
16	ADJUSTING, SCREW	6830410	1
17	NUT, ADJUSTING SCREW	2344802	1
18	WASHER, EMERGENCY BRAKE MOUNTING, 5/8	6768827	8
19	BOLT, HX HD, 5/8-18 X 2	223738	4
20	DRUM, BRAKE	6769938	1
21	WASHER, LOCK, 1/2	103323	8
22	BOLT, HX HD, 1/2-20 X 1	181427	8

GROUP B

PARKING BRAKE, FIGURE 19

1-22

SUPPLIED BY ORIGINAL EQUIPMENT MANUFACTURER.

GOVERNOR AND SPEEDOMETER DRIVE SECTION

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

A/N*	MODEL	GROUP	A/N*	MODEL	GROUP
6757512	CRT 5630-2	B	6774764	CRT 5630	B
6758981	CRT 5530-3	A	6776471	CRT 5631-6	B
6759722	CRT 5630-2	B	6779471	CRT 5631-6	B
6759833	CRT 5630-2	B	6832155	CRT 5631-6	B
6770378	CRT 5630-2	B	6832788	CRT 5631-5	B
6770604	CRT 5630-7	C	6832865	CRT 5631-6	B
6771642	CRT 5630-3	A	6833441	CRT 5631-6	B
6773143	CRT 5630-2	B	6834718	CRT 5631-6	B
6774016	CRT 5631-7	C	6835517	CRT 5631-6	B
6774665	CRT 5631-8	B			

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

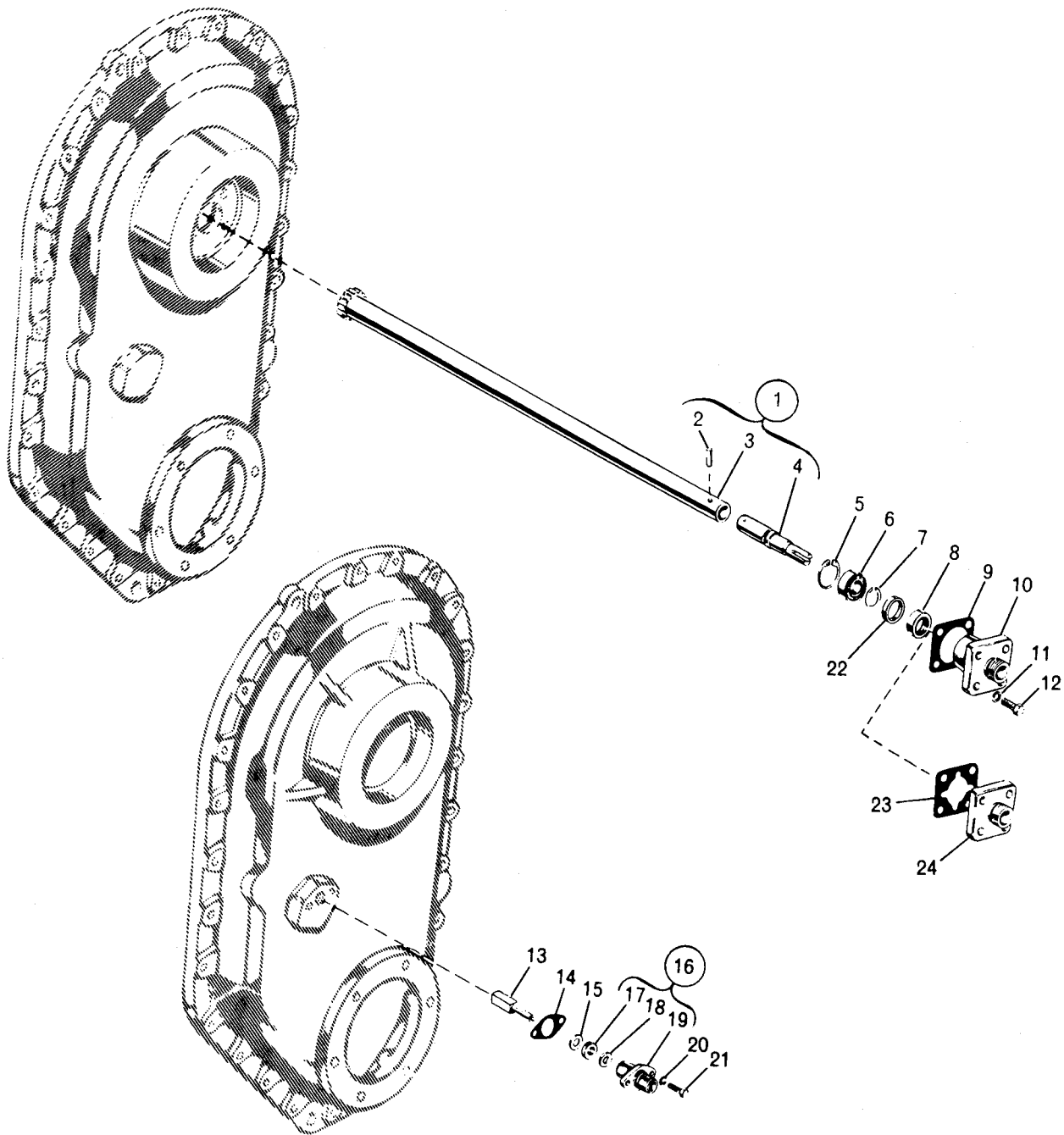


FIG 20 GOVERNOR AND SPEEDOMETER DRIVE

GROUP A

GOVERNOR AND SPEEDOMETER DRIVE, FIGURE 20

REF NO	NOMENCLATURE	PART NO	REQ
1	SHAFT ASSY, GOVERNOR DRIVE	6757798	1
2	PIN	455862 *	1
3	SHAFT	6757797 *	1
4	COUPLING	6757314 *	1
5	RING, INTERNAL SNAP	6704030	1
6	BEARING, SINGLE ROW BALL, NO 3202X1A	954498	1
7	RING, EXTERNAL SNAP	8894450	1
8	SEAL	6752035	1
9	GASKET	6757845	1
10	ADAPTER	6757824	1
11	WASHER, LOCK, 5/16	103320	4
12	BOLT, 5/16-18 X 1	179818	4
13-24	NOT USED IN THIS GROUP.		

GROUP B

GOVERNOR AND SPEEDOMETER DRIVE, FIGURE 20

1-12	NOT USED IN THIS GROUP.		
13	SHAFT, SPEEDOMETER DRIVE	6757602	1
14	GASKET	552868	1
15	WASHER, 3/32	2222651	1
16	DRIVE SLEEVE ASSY	6768536	1
17	SEAL	6768417	1
18	WASHER, 11/16	6768418	1
19	SLEEVE, SPEEDOMETER DRIVE	2043587 *	1
20	WASHER, LOCK, 5/16	103320	2
21	BOLT, HEX HD, 5/16-18 X 7/8	179817	2
22-24	NOT USED IN THIS GROUP.		

GROUP C

GOVERNOR AND SPEEDOMETER DRIVE, FIGURE 20

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

1	SHAFT ASSY, GOVERNOR DRIVE	6774046	1
3	SHAFT	6774045	1
5	NOT USED IN THIS GROUP.		
9-10	NOT USED IN THIS GROUP.		
11-12	SUPPLIED BY ORIGINAL EQUIPMENT MANUFACTURER.		
13-21	NOT USED IN THIS GROUP.		
22	SPACER, 1.38 OD X .06 WALL X .20 LONG	6757283	1
23	GASKET	3224773	1
24	ADAPTER	6752033	1

GROUP D

GOVERNOR AND SPEEDOMETER DRIVE, FIGURE 20

SAME AS GROUP A, EXCEPT FOR PARTS LISTED BELOW.

5	NOT USED IN THIS GROUP.		
9-10	NOT USED IN THIS GROUP.		
11-12	SUPPLIED BY ORIGINAL EQUIPMENT MANUFACTURER.		
13-21	NOT USED IN THIS GROUP.		
22	SPACER, 1.38 OD X .06 WALL X .20 LONG	6757283	1
23	GASKET	3224773	1
24	ADAPTER	6752033	1

* SERVICED AS AN ASSY - NOT AS A DETAIL PART

OUTPUT OIL PUMP 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
6757512	CRT 5630-2	A			

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

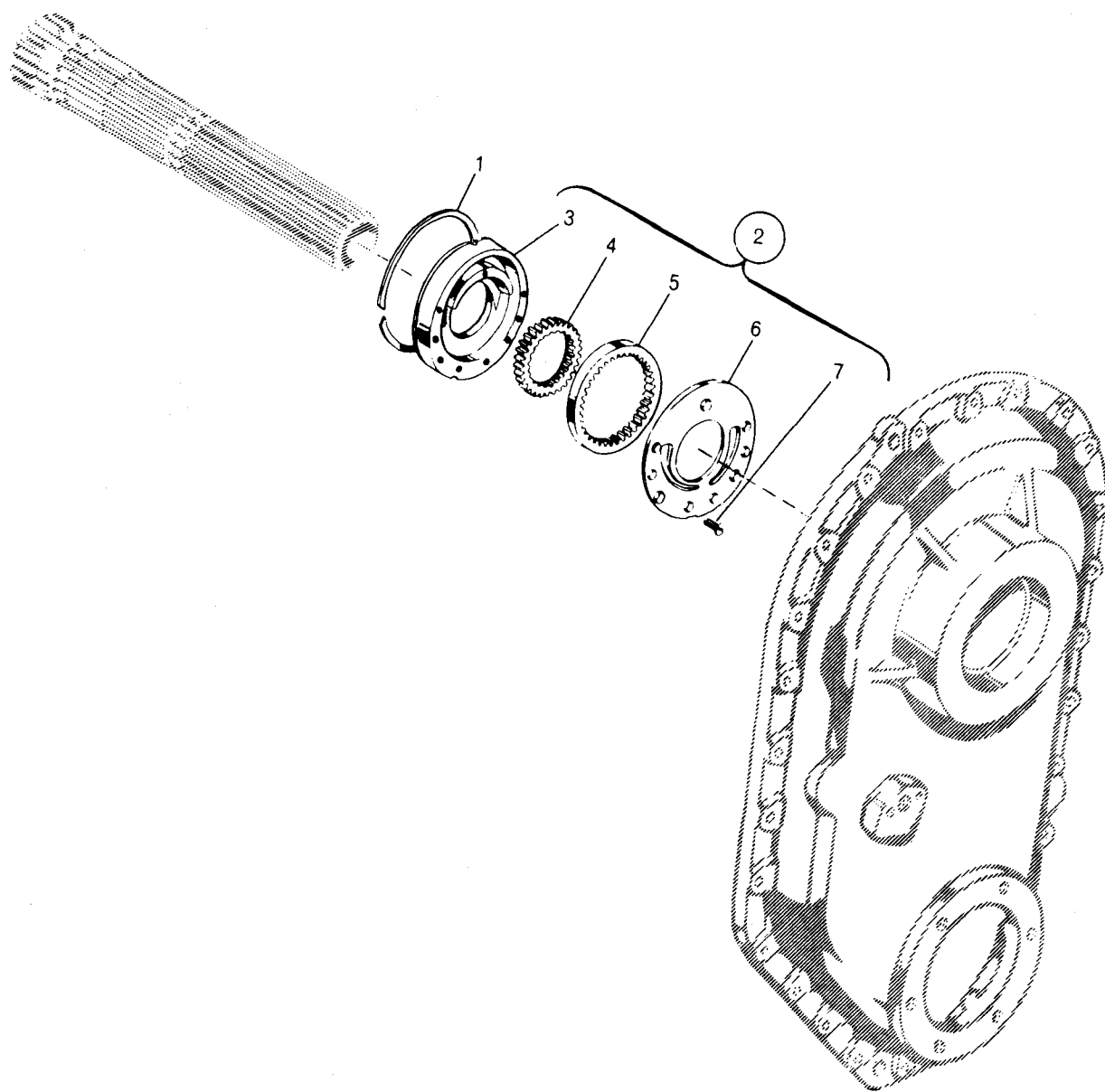


FIG 21 OUTPUT OIL PUMP

GROUP A

OUTPUT OIL PUMP, FIGURE 21

REF NO	NOMENCLATURE	PART NO	REQ
1	RING, SNAP	6750288	1
2	PUMP ASSY, OUTPUT OIL	6768438	1
3	BCDY	6768437 *	1
4	GEAR	6768439 *	1
5	GEAR	6768350 *	1
6	COVER	6768441	1
7	SCREW, FLAT HD, 1/4-20 X 5/8	113989	9

* SERVICED AS AN ASSY - NOT AS A DETAIL PART

POWER TAKE-OFF 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
6759800	CRT 5630-3	A	6770280	CRT 5630-3	A

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

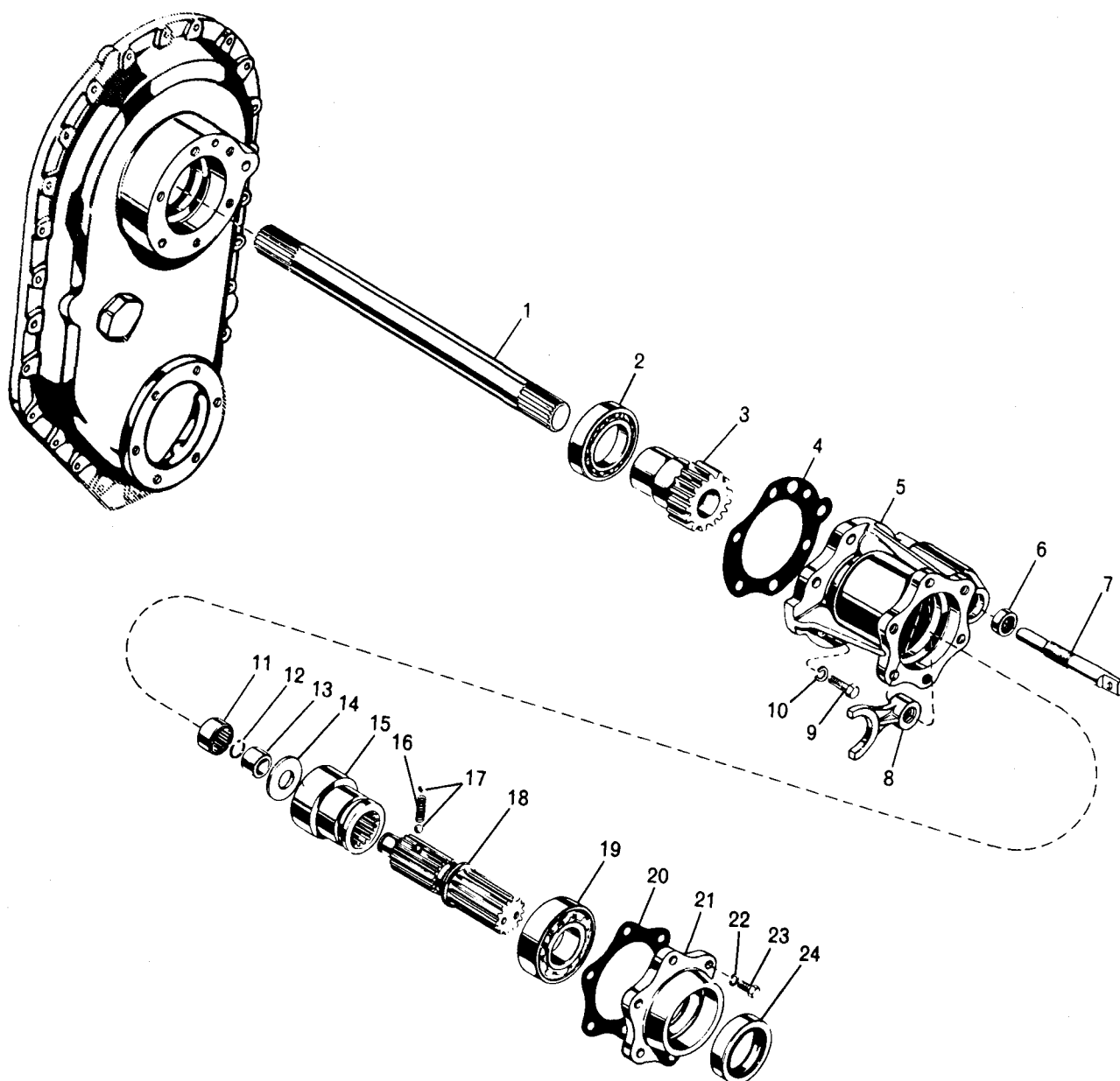


FIG 22 POWER TAKE-OFF

GROUP A

POWER TAKE-OFF, FIGURE 22

REF NC	NOMENCLATURE	PART NO	REQ
1	SHAFT, POWER TAKE-OFF DRIVE	6769279	1
2	BEARING, SINGLE ROW BALL, NO 3216XR1A	903216	1
3	GEAR, POWER TAKE-OFF DRIVE	6769285	1
4	GASKET, POWER TAKE-OFF HOUSING	6755674	1
5	HOUSING, POWER TAKE-OFF	6755189	1
6	SEAL	7994981	1
7	SHAFT, DISCONNECT FORK	6755193	1
8	FORK, DISCONNECT	6756396	1
9	BOLT, 1/2-13 X 1 1/2	179885	6
10	WASHER, LOCK, 1/2	103323	6
11	BEARING, NEEDLE	6762136	1
12	RING, SNAP	6751633	1
13	RACE, NEEDLE BEARING INNER	6769275	1
14	WASHER, THRUST	6751631	1
15	COUPLING, DISCONNECT	6751630	1
16	SPRING, DETENT	5171417	1
17	BALL, DETENT, 1/2 DIA	145657	2
18	SHAFT, POWER TAKE-OFF OUTPUT	6756388	1
19	BEARING, SINGLE ROW BALL, NO 3313XR1A	903313	1
20	GASKET, BEARING RETAINER	6755672	1
21	RETAINER, BEARING	6755190	1
22	WASHER, LOCK, 1/2	103323	6
23	BOLT, 1/2-13 X 1 1/2	179885	6
24	SEAL	6773311	1

SUPPLEMENTAL PARTS INFORMATION
(SPI)

SPI 527
 Page 1 of 2
 September 11, 1962

Subject: Increased Input Speed Rating

Equipment Affected: CRT-5631 Transmissions

Effective Serial Number: S/N 26660

Design changes have been made in CRT-5631 series transmissions to increase the maximum allowable input speed to 2500 rpm. Formerly, the maximum allowable input speed was 2100 rpm.

The new configuration incorporates a twelve pocket stator cam instead of an eight pocket cam, and caged needle bearings for the intermediate planets instead of loose rollers.

The parts changes are as follows:

<u>New Part No.</u>	<u>Qty.</u>	<u>Old Part No.</u>	<u>Qty.</u>	<u>Part Name</u>
6769272	1	6768832	1	Stator Assy., 1st
6769288	1	6768833	1	Stator Assy., 2nd
6769270	2	6768825	2	Cam, Stator
6769607	24	6769607	16	Roller, Stator (Quantity increase only)
6769966	24	6769469	16	Spring, Stator Roller
6773088	48	6754710	16	Cup, Roller Spring
6770302	24			Pin, Roller Spring
6774122	1	6768465	1	Carrier Assy., Intermediate
6768499	8	6756873	8	Washer, Thrust, Planet Pinion
9417493	4	6756275	96	Bearing Assy., Planet Pinion (Individual rollers replaced by a bearing assembly)

Parts Interchangeability

If CRT-5631 transmissions which have serial numbers below S/N 26660 are to be used with high speed engines (2500 rpm), the new parts listed above should be installed. If any of the new parts are installed in older

SPI 527
Page 2 of 2
September 11, 1962

transmissions, all of the new parts must be used. The old carrier assembly, P/N 6768465, can be reworked into P/N 6774122 by removing the old thrust washers, P/N 6756873, and rollers, P/N 6756275, and installing the new thrust washers, P/N 6768499, and bearing assemblies, P/N 9417493.

The old parts cannot be used for service in transmissions with serial numbers S/N 26660 and above.

Spare Parts Information:

All of the old parts will be maintained for service.

Service Manager - Transmissions Operations

SPI 530
Page 1 of 2
October 26, 1962

Subject: Change in Lube Valve and Washer

Equipment Affected: CRT-3000 Series Transmissions
CRT-5000 Series Transmissions

Effective Serial Numbers: S/N 27691 - CRT-5000
S/N 27719 - CRT-3000

A new lube valve and a new lube valve washer have been released for use in CRT-3000 and CRT-5000 series transmissions.

The valve was redesigned to include a bronze sleeve, swaged into the center of the valve. The sleeve serves as a bushing for the valve guide, eliminating the possibility of the guide elongating the hole in the valve.

The addition of the bushing to the valve necessitated an increase in the I.D. of the valve washer. The new washer, which is identified by a dot of green paint, has an I.D. of .420". The old washer, identified by a dot of yellow paint, has an I.D. of .344".

The part number changes are as follows:

<u>New Part No.</u>	<u>Old Part No.</u>	<u>Part Name</u>
6774188	6753544	Valve, Lube Regulator
6774497	6771323	Washer, Lube Valve

Effect on Interchangeability:

The new parts can be used for service in all transmissions, regardless of serial number, but must be used together.

SPI 530
Page 2 of 2
October 26, 1962

The new washer, P/N 6774497, must be used with the new valve, P/N 6774188.

The old washer, P/N 6771323, must be used with the old valve, P/N 6753544.

CAUTION: If the old washer is forced onto the new valve the washer may split. If the new washer is used with the old valve, oil may leak past the washer.

Spare Parts Disposition:

Old valves P/N 6753544, in spare parts stock, should be used in transmissions which have serial numbers below the starting serial numbers given above.

A supply of the old washers, P/N 6771323, should be maintained for service in transmissions containing the old valve.

Service Manager - Transmissions Operations

Revision Note: The purpose of this revision is to add spindle bolt and washer part numbers and to clarify interchangeability and spare parts information. Please destroy your old letter.

SPI 557
Page 1 of 5
Rev. "B" 6-5-64

Subject: Increased Capacity Bearing For Accessory Drive Idler Gear

Equipment Affected: 5630 and 5631 Series Transmissions
5640, 5840 and 5940 Series Transmissions
5660, 5860, 5960 and 6060 Series Transmissions

A new accessory drive idler gear bearing has been released for use in all 5000 series and 6000 series transmissions except CRT-5000 models which do not have a side-mounted P.T.O. The change was made to provide a bearing which has a greater capacity to absorb the loads imposed by the power take off and the charging pump.

The new bearing is thicker than the old bearing and has a larger O.D., therefore it was necessary to also change the accessory drive idler gear, the spindle and the converter housing.

The part number changes are listed below.

5640, 5660, 5840, 5860, 5940, 5960 and 6060 Series

<u>New Part Number</u>	<u>Old Part Number</u>	<u>Part Name</u>
901310	901210	Bearing, Accessory Drive Idler Gear
6774736	6759021	Spindle, Accessory Drive Idler Gear
6774735	6756368	Gear, Accessory Drive Idler
8892840	6753893	Snapping, Accessory Drive Idler Gear
6774718	6770830	Housing Assy., Converter
6774719	6773401	Housing Assy., Converter
6774725	6770858	Housing Assy., Converter
6774726	6770212	Housing Assy., Converter
6774726	6771391	Housing Assy., Converter (6774726 supersedes both 6770212 and 6771391)
6774727	6770211	Housing Assy., Converter
6774729	6773911	Housing Assy., Converter
6774731	6771654	Housing Assy., Converter
6774732	6770210	Housing Assy., Converter
6774733	6770209	Housing Assy., Converter

SPI 557
 Page 2 of 5
 Rev. "B" 6-5-64

Models with a top PTO require two gears, two bearings, and two spindles.

NOTE: Old housings which have sufficient wall thickness in the spindle bore area can be reworked to the new configuration. See "Converter Housing Rework Procedure" below and sketches on Page 4.

CRT-5630 and CRT-5631 Series (Except models which do not have a side-mounted PTO)

<u>New Part Number</u>	<u>Old Part Number</u>	<u>Part Name</u>
901310	903210	Bearing, Accessory Drive Idler Gear
6774736	6756364	Spindle, Accessory Drive Idler Gear
6774735	6756368	Gear, Accessory Drive Idler
8892840	6753893	Snapring, Accessory Drive Idler Gear
6774716	6771646	Housing Assy., Converter
179891	179867	Bolt, Spindle
103323	103322	Washer, Spindle Bolt

NOTE: Old CRT-5630 and CRT-5631 housings can not be reworked to the new configuration.

Effect on Parts Interchangeability

The new spindle P/N 6774736 can be used to replace the old spindle P/N 6759021 but cannot be used to replace spindle P/N 6756364. Neither of the old spindles can be used in place of the new spindle. None of the other new parts are interchangeable, individually with the old parts. The new parts may be used for service in all transmissions but must be used as a group.

NOTE: The sketches on Page 5 will be of help in identifying the service parts required in a specific transmission.

Spare Parts Information

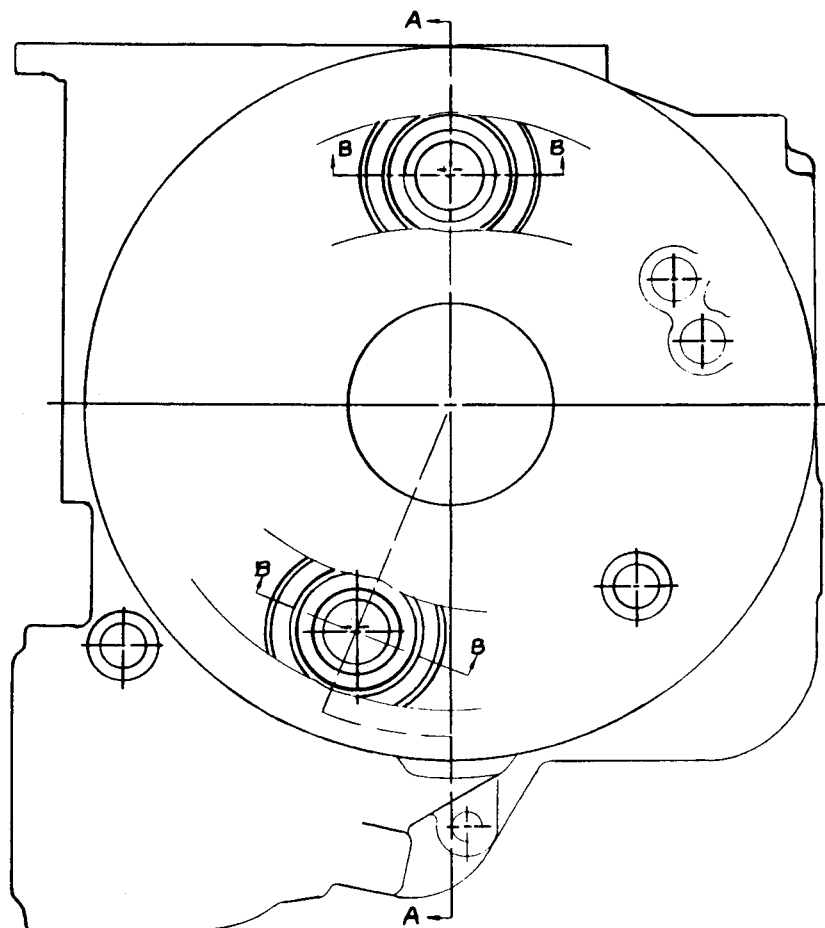
All old parts in spare parts stock should be used. All parts except housings and spindle 6759021 should be maintained for service.

SPI 557
Page 3 of 5
Rev. "B" 6-5-64

Converter Housing Rework Procedure

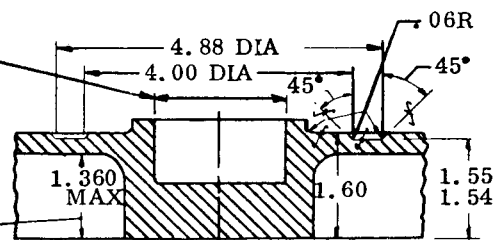
1. Measure the depth of the cast vane cavities on the rear face of the converter housing. If the depth of the cavities adjacent to the spindle bores, inside a 5.25 circumference established by the centerline of the bore, exceeds 1.360", the housing must not be reworked. See Section B-B on Page 4.
 2. Completely disassemble the converter housing assembly, including the removal of the idler gears and spindles.
 3. Machine the housing to the dimensions given in Section A-A and B-B on Page 4. Make sure the housing is clean and free of burrs.
 4. Install the bearing P/N 901310 into the idler gear P/N 6774735, with the bearing manufacturers identification on the side opposite the snapping groove. Install the snapping P/N 8892840, making sure it is fully seated.
 5. Install a straight shank headless guide pin into the spindle retaining bolt hole. Position the idler gear and bearing assembly over the spindle bore. The snapping side of the gear should be next to the converter housing.
 6. Grease the spindle P/N 6774736 and the spindle bore. Insert the spindle over the guide pin and into the bearing and spindle bore. The spindle must be perfectly centered over the guide pin. Press or drive the spindle into the bore until it is fully seated.
- NOTE: The fit between the spindle and its bore, and between the spindle and the bearing I. D. is an interference fit. If facilities are available, the spindle can be chilled in dry ice for thirty minutes prior to installation. It can be installed easily, but any position corrections must be made immediately before the spindle seizes to the housing.
7. Remove the guide bolt and install the regular retaining bolt and lockwasher. Tighten the bolt to 67-80 ft. -lbs. torque.

Service Manager
Transmission Operations

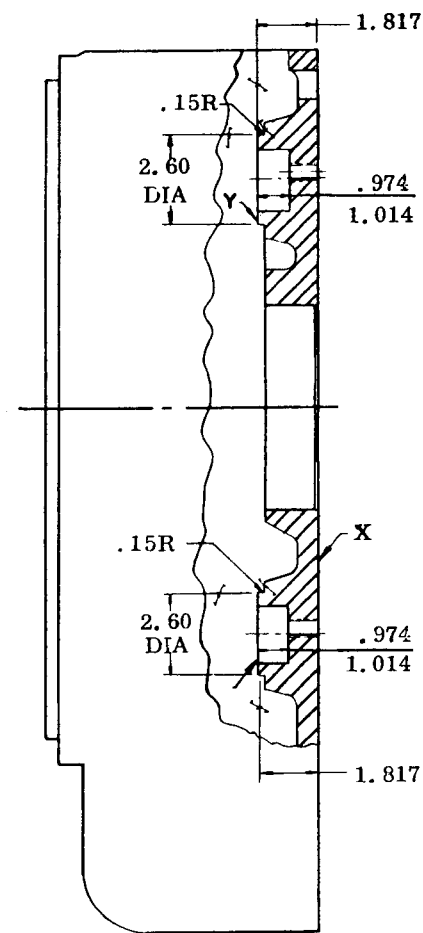


DIA "R" REF
4.88 Dia and 4.00 Dia to be Con-
centric With Dia "R" Within .010

Housings Exceeding This Mea-
sured Distance (Inside 5.25 Dia
Established By Axis of Dia R)
Must not be reworked



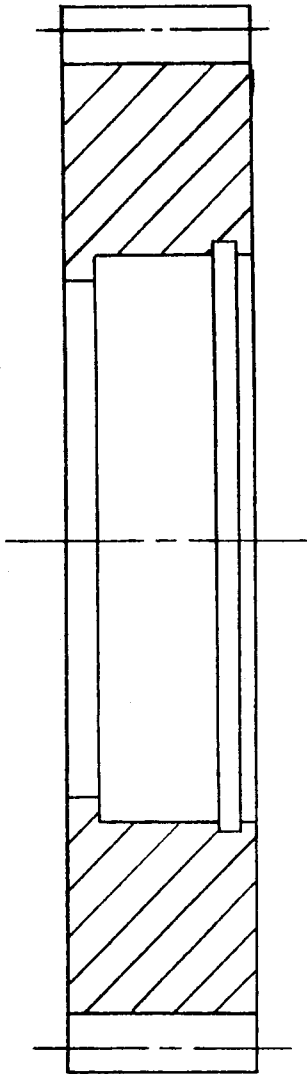
Section B - B (2 places)



Section A - A

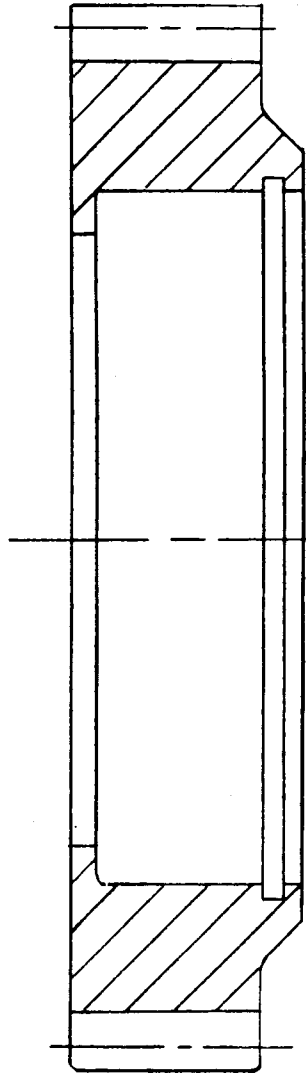
Surfaces Y Must be Parallel
With Surface X Within .003

SPI 557
Page 5 of 5
August 9, 1963



CROSS-SECTION OF
GEAR P/N 6756368

THIS GEAR IS FOR USE WITH
THE OLD HOUSING
& BEARING. EITHER
SPINDLE CAN BE USED



CROSS-SECTION OF
GEAR P/N 6774735

THIS GEAR IS FOR USE WITH
THE NEW HOUSING,
BEARING & SPINDLE

SPI 606
Page 1 of 1
February 6, 1965

Subject: Release of Freewheel Roller Springs

Equipment Affected: All 5000 Series Transmissions with a 4-Element Torque Converter Having The 12-Pocket Stator Cam Design

Effective Serial Number: 40283

A new spring 6778184 has been released to replace spring 6769966 in the subject torque converter stator cams. The new spring has a free height of 1.429 inches as compared to 1.87 inches for the old spring with its load tension reduced by approximately 50 per cent. The new spring permits a more responsive stator action under all work conditions, resulting in better overall torque converter performance.

Interchangeability:

New springs 6778184 may be installed in all transmissions prior to the Effective Serial Number, if they are equipped with the type torque converter described above.

The new springs 6778184 must not be intermixed with old springs 6769966. Use new springs in sets only.

Spare Parts Information

Old spring 6769966 is hereby completely cancelled for service.

Old spring 6769966 in customer stock may be used in transmissions prior to the Effective Serial Number.

Service Manager
Transmissions Products

SPI 615
Page 1 of 10
Rev. "C" 2-3-69



<u>New Part No.</u>	<u>Old Part No.</u>	<u>Qty.</u>	<u>Part Name</u>
6832484	6775115 (Kit P/N 6777672)	4	Sealring, Piston O. D. (Fwd. , Rev. , High, Intermediate)
	6775134	4	Expander, Piston O. D. (Fwd. , Rev , High, Intermediate)
6832486	6775117 (Kit P/N 6777673)	3	Sealring, Piston I. D. (Fwd. , Rev. , High)
	6775136	3	Expander, Piston I. D. (Fwd. , Rev. , High)

SPI 615

Page 2 of 10

Rev. "C" 2-3-69

<u>New Part No.</u>	<u>Old Part No.</u>	<u>Qty.</u>	<u>Part Name</u>
6832485	6775121 (Kit P/N 6777675)	1	Sealring, Piston I. D. (Intermediate)
	6775140	1	Expander, Piston I. D. (Intermediate)
6831034	6754587	3	Piston, Clutch (Fwd., Rev., High)
6832618	6770701	1	Piston, Intermediate Clutch

CRT-5531, 5532, 5534, 6030, 6031 Transmissions

<u>New Part No.</u>	<u>Old Part No.</u>	<u>Qty.</u>	<u>Part Name</u>
6832484	6775115 (Kit P/N 6777672)	3	Sealring, Piston O. D. (Fwd., Rev., High)
	6775134	3	Expander, Piston O. D. (Fwd., Rev., High)
6832486	6775117 (Kit P/N 6777673)	3	Sealring, Piston I. D., (Fwd., Rev., High)
	6775136	3	Expander, Piston I. D. (Fwd., Rev., High)
6832619	6775124 (Kit P/N 6777674)	1	Sealring, Piston O. D. (Intermediate)
	6775143	1	Expander, Piston O. D. (Intermediate)
6832485	6775121 (Kit P/N 6777675)	1	Sealring, Piston I. D. (Intermediate)
	6775140	1	Expander, Piston I. D. (Intermediate)
6832621	6775122 (Kit P/N 6777676)	1	Sealring, Piston O. D. (Low)

SPI 615

Page 3 of 10

Rev. "C"2-3-69

<u>New Part No.</u>	<u>Old Part No.</u>	<u>Qty.</u>	<u>Part Name</u>
	6775141	1	Expander, Piston O. D. (Low)
6832622	6775123 (Kit P/N 6777677)	1	Sealring, Piston I. D. (Low)
	6775142	1	Expander, Piston I. D. (Low)
6832717	6770729	1	Hub Assy., Low Clutch (5531-32-34 Models)
6832719	6777237	1	Hub Assy., Low Clutch (6030-31 Models)
6832620	6769235	1	Piston, Low Clutch
6832720	6777176	1	Piston, Intermediate (6030-31 Models)
6831034	6754587	3	Piston, Clutch (Fwd., Rev., High)
6832618	6770701	1	Piston, Intermediate (5531-32-34 Models)

CRT-5630, 5631 Transmissions

<u>New Part No.</u>	<u>Old Part No.</u>	<u>Qty.</u>	<u>Part Name</u>
6832484	6775115 (Kit P/N 6777672)	4	Sealring, Piston O. D. (Fwd., Rev., High, Intermediate)
	6775134	4	Expander, Piston O. D. (Fwd., Rev., High, Intermediate)
6832486	6775117 (Kit P/N 6777673)	3	Sealring, Piston I. D. (Fwd., Rev., High)
	6775136	3	Expander, Piston I. D. (Fwd., Rev., High)
6832485	6775121 (Kit P/N 6777675)	1	Sealring, Piston I. D. (Intermediate)
	6775140	1	Expander, Piston I. D. (Intermediate)

SPI 615

Page 4 of 10

Rev. "C" 2-3-69

<u>New Part No.</u>	<u>Old Part No.</u>	<u>Qty.</u>	<u>Part Name</u>
6832621	6775122 (Kit P/N 6777676)	1	Sealring, Piston O. D. (Low)
	6775141	1	Expander, Piston O. D. (Low)
6832622	6775123 (Kit P/N 6777677)	1	Sealring, Piston I. D. (Low)
	6775142	1	Expander, Piston I. D. (Low)
6831034	6754587	3	Piston, Clutch (Fwd. , Rev. , High)
6832617	6754588	1	Piston, Clutch (Intermediate)
6832717	6770729	1	Hub Assy. , Low Clutch
6832620	6769235	1	Piston, Low Clutch

5640, 5660, 5840, 5860 Transmissions

<u>New Part No.</u>	<u>Old Part No.</u>	<u>Qty.</u>	<u>Part Name</u>
6832484	6775115 (Kit P/N 6777672)	4	Sealring, Piston O. D. (Splitter High, Low, Intermediate, Reverse)
	6775134	4	Expander, Piston O. D. (Splitter High, Low, Intermediate, Reverse)
6832486	6775117 (Kit P/N 6777673)	2	Sealring, Piston I. D. (Low, Intermediate)
	6775136	2	Expander, Piston I. D. (Low, Intermediate)
6832485	6775121 (Kit P/N 6777675)	1	Sealring, Piston I. D. (Splitter High)
	6775140	1	Expander, Piston I. D. (Splitter High)
6832487	6775116 (Kit P/N 6777678)	1	Sealring, Piston I. D. (Reverse)

SPI 615

Page 5 of 10

Rev. "C" 2-3-69

<u>New Part No.</u>	<u>Old Part No.</u>	<u>Qty.</u>	<u>Part Name</u>
	6775135	1	Expander, Piston I. D. (Reverse)
6832481	6775118 (Kit P/N 6777679)	2	Sealring, Piston O. D. (Splitter Low, High)
	6776434	2	Expander, Piston O. D. (Splitter Low, High)
6832037	6775846	1	Drum Assy., Splitter Clutch
6832617	6754588	1	Piston, Splitter Overdrive Clutch
6832035	6831157	1	Drum Assy., High Clutch
6831034	6754587	2	Piston, Clutch - Low & Intermediate
6831032	6775907	1	Piston, Reverse Clutch
6832928	6833673	1	Cover Assy., Transfer Gear
6832700	6770673	1	Housing Assy., Transfer Gear
6832699	6769799	1	Housing, Output Drive
6833616	6759065	1	Housing, Output Drive

5940, 5960 Transmissions

<u>New Part No.</u>	<u>Old Part No.</u>	<u>Qty.</u>	<u>Part Name</u>
6832484	6775115 (Kit P/N 6777672)	3	Sealring, Piston O. D. (Intermediate, Low, Reverse)
	6775134	3	Expander, Piston O. D. (Intermediate, Low, Reverse)
6832486	6775117 (Kit P/N 6777673)	2	Sealring, Piston I. D. (Intermediate, Low)
	6775136	2	Expander, Piston I. D. (Intermediate, Low)

SPI 615

Page 6 of 10

Rev. "C" 2-3-69

<u>New Part No.</u>	<u>Old Part No.</u>	<u>Qty.</u>	<u>Part Name</u>
6832487	6775116 (Kit P/N 6777678)	1	Sealring, Piston I. D. (Reverse)
	6775135	1	Expander, Piston I. D. (Reverse)
6832481	6775118 (Kit P/N 6777679)	2	Sealring, Piston O. D. (Splitter Low, High)
	6776434	2	Expander, Piston O. D. (Splitter Low, High)
6832483	6775119 (Kit P/N 6777680)	1	Sealring, Piston I. D. (Splitter High)
	6775138	1	Expander, Piston I. D. (Splitter High)
6832482	6775120 (Kit P/N 6777681)	1	Sealring, Piston O. D. (Splitter High)
	6775139	1	Expander, Piston O. D. (Splitter High)
6832037	6775846	1	Drum Assy., Splitter Clutch
6831031	6777770	1	Piston, Splitter Clutch
6832035	6831157	1	Drum Assy., High Clutch
6831034	6754587	2	Piston, Clutch (Low & Intermediate)
6831032	6775907	1	Piston, Reverse Clutch
6832928	6833673	1	Cover Assy., Transfer Gear
6832694	6830636	1	Cover Assy., Transmission Rear
6832696	6779815	1	Adapter Assy., Transmission Rear
6832700	6770673	1	Housing Assy., Transfer Gear
6833616	6759065	1	Cover Assy., Output Drive

SPI 615
 Page 7 of 10
 Rev. "C" 2-3-69

6060, 6061 Transmissions

<u>New Part No.</u>	<u>Old Part No.</u>	<u>Qty.</u>	<u>Part Name</u>
6832484	6775115 (Kit P/N 6777672)	3	Sealring, Piston O. D. (Intermediate, Low, Reverse)
	6775134	3	Expander, Piston O. D. (Intermediate, Low, Reverse)
6832486	6775117 (Kit P/N 6777673)	1	Sealring, Piston I. D. (Low)
	6775136	1	Expander, Piston I. D. (Low)
6832485	6775121 (Kit P/N 6777675)	1	Sealring, Piston I. D. (Intermediate)
	6775140	1	Expander, Piston I. D. (Intermediate)
6832487	6775116 (Kit P/N 6777678)	1	Sealring, Piston I. D. (Reverse)
	6775135	1	Expander, Piston I. D. (Reverse)
6832481	6775118 (Kit P/N 6777679)	2	Sealring, Piston O. D. (Splitter Low, High)
	6776434	2	Expander, Piston O. D. (Splitter Low, High)
6832483	6775119 (Kit P/N 6777680)	1	Sealring, Piston I. D. (Splitter High)
	6775138	1	Expander, Piston I. D. (Splitter High)
6832482	6775120 (Kit P/N 6777681)	1	Sealring, Piston O. D. (Splitter High)
	6775139	1	Expander, Piston O. D. (Splitter High)
6832037	6775846	1	Drum Assy., Splitter Clutch

SPI 615
 Page 8 of 10
 Rev. "C" 2-3-69

<u>New Part No.</u>	<u>Old Part No.</u>	<u>Qty.</u>	<u>Part Name</u>
6831031	6777770	1	Piston, Splitter Clutch
6832035	6831157	1	Drum Assy., High Clutch
6831033	6775841	1	Piston, Intermediate Clutch
6831034	6754587	1	Piston, Low Clutch
6831032	6775907	1	Piston, Reverse Clutch
6832928	6833673	1	Cover Assy., Transmission Rear

8860, 8960 Transmissions

<u>New Part No.</u>	<u>Old Part No.</u>	<u>Qty.</u>	<u>Part Name</u>
6832481	6775118 (Kit P/N 6777679)	2	Sealring, Piston O. D. (Splitter Low, 5th & 6th)
	6776434	2	Expander, Piston O. D. (Splitter Low, 5th & 6th)
6832482	6775120 (Kit P/N 6777681)	2	Sealring, Piston O. D. (Splitter High, 2nd Range)
	6775139	2	Expander, Piston O. D. (Splitter High, 2nd Range)
6832483	6775119 (Kit P/N 6777680)	1	Sealring, Piston I. D. (Splitter High)
	6775138	1	Expander, Piston I. D. (Splitter High)
6832484	6775115 (Kit P/N 6777672)	1	Sealring, Piston O. D. (3rd & 4th Range)
	6775134	1	Expander, Piston O. D. (3rd & 4th Range)
6832485	6775121 (Kit P/N 6777675)	1	Sealring, Piston I. D. (3rd & 4th Range)

SPI 615

Page 9 of 10

Rev. "C" 2-3-69

<u>New Part No.</u>	<u>Old Part No.</u>	<u>Qty.</u>	<u>Part Name</u>
	6775140	1	Expander, Piston I. D. (3rd & 4th Range)
6832485	6775117 (Kit P/N 6777673)	1	Sealring, Piston I. D. (2nd Range)
	6775136	1	Expander, Piston I. D. (2nd Range)
6831031	6777770	1	Piston, Splitter High
6831033	6775841	1	Piston, 3rd & 4th Range
6833149	6754587	1	Piston, 2nd Range
6832623	6776634	1	Hub Assy., Splitter Low
6832625	6831124	1	Hub Assy., 5th & 6th Range Clutch (8860 Models)
6832627	6779569	1	Hub Assy., 5th & 6th Range Clutch (8960 Models)

Interchangeability

The new sealrings may be used on transmissions prior to the Effective Serial Number on Page 1, but the new mating drum, hub, housing, adapter, output cover and/or piston must also be used.

Note: When servicing transmissions prior to the Effective Serial Number with new output drive cover assembly P/N 6833616, transfer gear housing assembly P/N 6832700, transfer gear housing assembly P/N 6832699, transmission rear adapter assembly P/N 6832696, output drive housing assembly P/N 6832694 or output drive housing assembly P/N 6832928, the rear oil pump assembly (push-start pump) must be removed from transmission assembly, if present.

Spare Parts Information

All old sealrings and expanders will be maintained for servicing transmissions prior to the Effective Serial Number.

SPI 615

Page 10 of 10

Rev. "C" 2-3-69

All remaining old parts are hereby completely canceled for customer service.

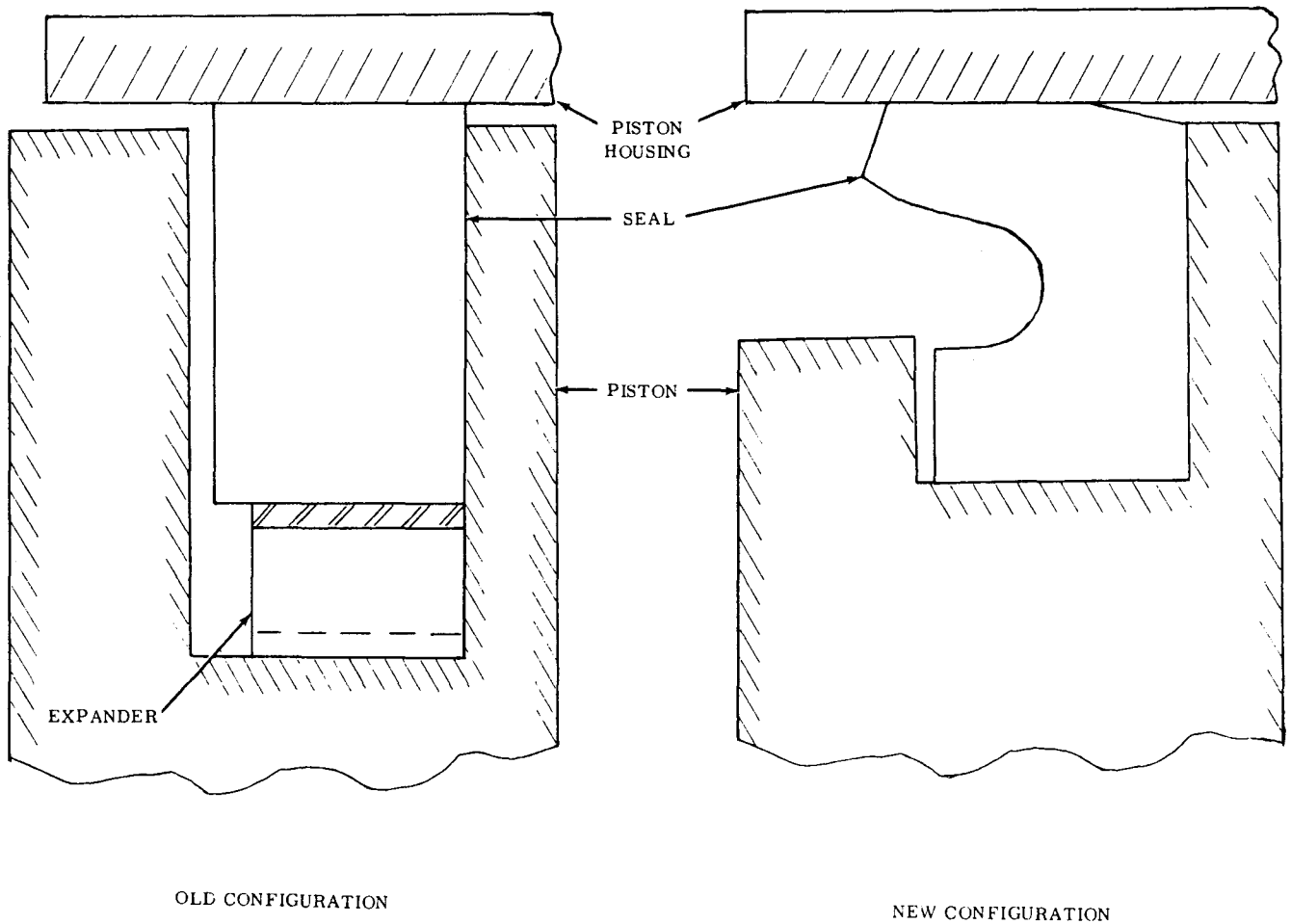


Figure 1. Typical Seal Installation - Seal and Expander vs. New Lip-Type Seal

Service Manager
Transmission Products

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	PART NO	FIG NO	REF NO	HISTORY
X229C0	16	32		107393	5	12	
X22913	16	34		107393	16	6	
X22914	16	33		107393	16	9	
103C28	12	13		113989	21	7	
103030			RB 274468	115549	6-1	17	
103320	16	29		119247	18	13	
103320	20	11		119247	18-1	20	
103320	20	20		127909	2	10	
103321	5	45		127909	3	15	
103321	12	25		135793	14	40	
103321	12	27		139793	14-1	37	
103321	13	2		141195	16	14	
103321	13	5		141199	13	13	
103321	14	5		141212			RB 6777242
103321	14	5		141264	5	13	
103321	14	7		141275	12	5	
103321	14	7		142756	15	8	
103321	14	9		142756	15-1	5	
103321	14	9		142756	15-1	14	
103321	14-1	5		142862	12	12	
103321	14-1	7		145641			R 6769860
103321	14-1	9		145641	11	10	
103321	16	2		145641	11	26	
103321	16	19		145656			RB 453577
103322	2	12		145657	22	17	
103322	5	17		145659			RB 453637
103322	12	33		148415	13	8	
103322	13	31		148415	13	19	
103322	15	2		169066			RB 453606
103322	15	4		179397	14	6	
103322	15-1	2		179397	14	6	
103322	16	35		179397	14-1	6	
103323	5	3		179817	16	30	
103323	5	30		179817	20	21	
103323	5	48		179818	20	12	
103323	12	14		179833	10	5	
103323	12	16		179837	5	46	
103323	12	18		179837	6	1	
103323	12	21		179837	6-1	1	
103323	12	30		179838	16	1	
103323	13	31		179838	16	18	
103323	16	16		179843	14	8	
103323	18	2		179843	14	8	
103323	18	11		179843	14-1	8	
103323	18	26		179847	14	4	
103323	18	31		179847	14	4	
103323	18-1	2		179847	14-1	4	
103323	18-1	15		179848	12	28	
103323	18-1	18		179848	13	4	
103323	19	21		179857	5	18	
103323	22	10		179860	15	3	
103323	22	22		179860	16	36	
103325			RB 6768827	179867			RB 179891
103326	19	6		179867	13	30	
103341	5	41		179869	15	5	
103341	6	2		179871	12	34	
103341	6-1	2		179883			RB 181429
103647			RB 444618	179883	5	4	
105456	16	22		179883	5	29	
105462			RB 6768523	179884	18	1	

R - REPLACES

RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY	PART NO	FIG NO	REF NO	HISTORY
175884	18	27		453606	6	11	
175884	18	32		453606	6-1	11	
175884	18-1	1		453606	7	8	
175884	18-1	16		453606	7-1	8	
175885	12	15		453606	9	12	
175885	12	29		453606	10	14	
175885	22	9		453637			R 145659
175885	22	23		453637	14	22	
175887	12	20		453637	14	35	
175887	16	17		453637	14-1	15	
175889	12	17		453637	14-1	32	
175899	12	20		455862	20	2	
175891			R 179867	456876			R 6761440
175891	13	30		456876	3	5	
175894	5	49		456876	3	5	
181360			RB 181425	499204			R 449204
181365	4	16		499204			RB 6833388
181365	4-1	12		552868	16	27	
181413	2	2		552868	20	14	
181425			R 181360	900654			R 954351
181425			RB 181427	900654	5	23	
181427			R 181425	901222	17	3	
181427	19	22		901310			R 903210
181429			R 179883	901310	13	34	
181429	1	1		901314	18	8	
181429	2	6		901314	18	19	
181436	5	47		901314	18-1	9	
181441	5	47		901598	18	6	
186285	12	26		901598	18-1	11	
186288	13	1		903015	8	2	
186725	18	12		903021	7	19	
186725	18-1	19		903021	7-1	21	
218197	19	5		903209	13	24	
223738	19	19		903209	13	28	
271505	2	13		903210			RB 901310
274468			R 103030	903210	13	34	
274468	19	1		903212	2	5	
433142	15-1	1		903216	22	2	
444576			RB 444618	903222	17	1	
444576	5	7		903313	22	19	
444588	5	10		904170			RB 907001
444618			R 103647	907001			R 904170
444618			R 444576	907001			RB 907272
444618	15	13		907272			R 907001
444618	15-1	10		907272	4	22	
444618	16	24		907272	4-1	18	
444660	12	2		907647	5	52	
444672	5	11		954351			RB 900654
444678	5	9		954447	5	27	
444678	5	14		954447	5	57	
444678	16	8		954498	20	6	
444678	16	13		2041113			RB 6768417
444703			RB 445751	2041113			RB 6768418
445751			R 444703	2043587	20	19	
445751	5	8		2146310	16	23	
449204			RB 499204	2222651	20	15	
453577			R 145656	2344798	19	15	
453577	14	15		2344799	19	14	
453577	14-1	30		2344802	19	17	
453606			R 169066	2399044	19	13	

R - REPLACES

RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY	PART NO	FIG NO	REF NO	HISTORY
2399048	19	12		6750025	7	18	
2399049	19	9		6750025	7-1	20	
2399050	19	10		6750027	6	16	
2400595	19	8		6750027	7	9	
2400596	19	7		6750027	7-1	9	
3224773	20	23		6750231			RB 6773311
5154538			RB 5577938	6750265	16	21	
5166664	3	13		6750288	21	1	
5171417	22	16		6750467	3	4	
5175953	12	31		6750468	3	8	
5179197			RB 5576328	6750468	3	9	
5181902	2	4		6750517	3	2	
5181902	3	18		6750558	14	43	
5184773			RB 6752502	6750558	14	43	
5184773	3	13		6750558	14-1	43	
5187308	15-1	24		6750545	14	20	
5187309	15-1	20		6750545	14	37	
5187310	15-1	21		6750545	14-1	13	
5192296			RB 6772115	6750545	14-1	34	
5573014			RB 5577124	6751516	3	6	
5573711			RB 557731C	6751518	3	7	
5573956	15-1	18		6751630	22	15	
5573957	15-1	22		6751631	22	14	
5573958	15-1	26		6751633	22	12	
5573960	15-1	25		6751822	2	9	
5574348			R 5577938	6751822	3	17	
5574348	15-1	23		6751948	3	13	
5576200			R 5577124	6752033	20	24	
5576200	15-1	16		6752035	20	8	
5576328			R 5179197	6752502			R 5184773
5576328	15-1	19		6752502	3	13	
5577124			R 5573014	6753304	7	17	
5577124			RB 5576200	6753304	7-1	19	
5577310			R 5573711	6753364	3	10	
5577310	15-1	17		6753487	13	29	
5577938			R 5154538	6753544			RB 6774188
5577938			RB 5574348	6753893			RB 8892840
6702989	5	28		6753893	13	35	
6703012			RB 6759413	6753578			RB 6769965
6703021			RB 6769607	6754587			RB 6831034
6703026	5	21		6754588			RB 6832617
6703026	5	50		6754683			RB 6769097
6703059	4	2		6754702			RB 6768456
6703059	4-1	2		6754710	4	7	
6703154			R 6771231	6754710	4	12	
6703154			RB 677204C	6754754			RB 6768575
6703159	14	11		6754810			RB 6756275
6703159	14-1	26		6754835	8	5	
6703162	14	21		6754882	9	14	
6703162	14	23		6754887	14	29	
6703162	14	34		6754887	14-1	19	
6703162	14	36		6754888	14	28	
6703162	14-1	14		6754888	14	30	
6703162	14-1	16		6754888	14-1	18	
6703162	14-1	31		6754888	14-1	20	
6703162	14-1	33		6754893	10	6	
6704030	20	5		6754932			RB 6772881
6704426			R 6756275	6755002			RB 6771300
6704426	6	13		6755100	11	16	
6704426	6-1	13		6755189	22	5	

R - REPLACES

RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY	PART NO	FIG NO	REF NO	HISTORY
6755190	22	21		6756336	10	7	
6755193	22	7		6756337			RB 6770698
6755269	1	2		6756338	13	25	
6755269	18	22		6756342	12	9	
6755269	18-1	6		6756348			RB 6774572
6755378	5	43		6756352			RB 6768770
6755403	5	40		6756361			RB 6830021
6755670	1	11		6756364			RB 6774736
6755672	22	20		6756364	13	32	
6755674	22	4		6756365			RB 6758529
6755952	10	21		6756368			RB 6774735
6755986	13	26		6756368	13	33	
6756002	13	22		6756369			RB 6769721
6756023	12	10		6756381	5	31	
6756027	11	14		6756382	5	32	
6756027	11	29		6756388	22	18	
6756041	11	4		6756396	22	8	
6756041	11	20		6756408			RB 6831803
6756042	11	5		6756436	3	2	
6756042	11	21		6756458	5	36	
6756057	12	3		6756554	4	23	
6756067	14	14		6756554	4-1	19	
6756072			RB 6774695	6756560	2	8	
6756088			RB 6758323	6756569	2	7	
6756089	12	22		6756570	4	17	
6756090			RB 6758615	6756570	4-1	13	
6756124			RB 6769413	6756574	4	18	
6756124	13	14		6756574	4-1	14	
6756128	13	6		6756579	5	51	
6756130			RB 6769160	6756589			RB 6777775
6756131			RB 6768400	6756622	15	7	
6756132	13	7		6756622	15-1	4	
6756140	5	1		6756622	15-1	15	
6756141	5	2		6756623	15-1	6	
6756146	5	37		6756626	15-1	8	
6756153	12	32		6756873			RB 6768499
6756164	5	35		6756873	7	4	
6756164	15-1	7		6756873	7-1	4	
6756187			RB 6771453	6756873	10	10	
6756270			RB 6768455	6756953			RB 6758616
6756274			RB 6768756	6756954			RB 6773316
6756275			R 6754810	6756956	14	1	
6756275			RB 6704426	6756956	14-1	1	
6756275	7	6		6756957			RB 6768324
6756275	7-1	6		6756984			RB 6777776
6756275	9	10		6756985			RB 6777777
6756275	10	12		6757015			RB 6777778
6756276	7	2		6757283	20	22	
6756276	7-1	2		6757314	20	4	
6756279			RB 6771316	6757382	16	20	
6756311	12	19		6757422			RB 6771287
6756313	16	11		6757429			RB 6770548
6756318	12	4		6757531	18	18	
6756319	4	14		6757533	17	2	
6756319	4-1	5		6757534	17	7	
6756322	4	3		6757535	17	5	
6756322	4-1	3		6757536	17	6	
6756326	3	4		6757537			RB 6768563
6756332			RB 6768466	6757539	16	15	
6756335			RB 6768460	6757540	17	4	

R - REPLACES

RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY	PART NO	FIG NO	REF NO	HISTORY
6757541	12	10		675E324	14	10	
6757543	2	3		675E442	5	15	
6757555	18	3		675E468			RB 6769356
6757555	18	30		675E485	4	4	
6757555	18-1	14		675E485	4	9	
6757557	17	8		675E485	4-1	4	
6757561			RB 6769940	675E528	13	16	
6757563	18	17		675E529			R 6756365
6757563	18-1	24		675E529	13	9	
6757564	13	17		675E530	13	15	
6757565			RB 6771315	675E540	9	11	
6757566	7	3		675E563	18	4	
6757566	7-1	3		675E563	18	10	
6757567	6	8		675E563	18	24	
6757568	13	20		675E563	18-1	4	
6757569	13	18		675E563	18-1	13	
6757570	13	3		675E563	18-1	17	
6757572	1	8		675E577			RB 6759855
6757585	18	25		675E581	6	12	
6757585	18-1	3		675E581	7	5	
6757591	15-1	9		675E581	7-1	5	
6757592	15-1	3		675E581	10	13	
6757593	16	10		675E582			RB 6768560
6757594	16	12		675E587	6	15	
6757595	12	1		675E615			R 6756090
6757597	16	5		675E615	14	24	
6757601	12	7		675E615	14	31	
6757602	20	13		675E615	14-1	17	
6757603	1	5		675E615	14-1	24	
6757616			RB 6771927	675E616			R 6756953
6757633	1	8		675E616	14	17	
6757795			RB 6774044	675E616	14-1	40	
6757797	20	3		675E694			RB 6773315
6757798	20	1		675E992			RB 6768493
6757824	20	10		6759332	6	7	
6757845	20	9		6759377	6-1	12	
6757853	14	14		6759413			R 6703012
6757853	14-1	29		6759413			RB 6770723
6757859	14	12		6759413	11	24	
6757859	14-1	27		6759413	11	30	
6757865	14	10		675E855			R 6758577
6757865	14-1	10		675E855	4	15	
6758065			RB 676993E	675E855	4-1	11	
6758066			RB 6770598	6759903	4	5	
6758210			RB 6770677	6759935			RB 6771649
6758216	5	44		6760265	12	8	
6758229	7	10		6760289			RB 6774184
6758229	7-1	10		6761101	8	3	
6758305	14	42		6761440			RB 456876
6758305	14	42		6762136	22	11	
6758305	14-1	48		6762187	12	6	
6758306	14-1	46		6766312			R 7708678
6758308	11	23		6766312	9	5	
6758309			RB 6777673	6768264			RB 6770423
6758310			RB 6777672	6768267			RB 6832907
6758311			RB 6777675	6768324			R 6756957
6758312			RB 6771323	6768324	1	3	
6758323			R 6756088	6768350	21	5	
6758323	14	27		6768359	3	13	
6758323	14-1	22		6768381	3	8	

R - REPLACES

RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY	PART NO	FIG NO	REF NO	HISTORY
6768381	3	9		6768756	5	26	
6768382	3	6		6768757			RB 6770727
6768383	3	10		6768759	9	7	
6768400			R 6756131	6768760			RB 6771250
6768400	13	12		6768769			RB 6769152
6768417			R 2041113	6768770			R 6756352
6768417	20	17		6768770	5	34	
6768418			R 2041113	6768807			R 6768455
6768418	20	18		6768807	6	3	
6768437	21	3		6768827			R 103325
6768438	21	2		6768827	19	2	
6768439	21	4		6768827	19	18	
6768441	21	6		6768832	4	5	
6768455			R 675627C	6768833	4	10	
6768455			RB 6768807	6768836	9	4	
6768456			R 6754702	6768867			RB 6769469
6768456	7	1		6768877	18	15	
6768456	9	19		6768877	18-1	22	
6768460			R 6756335	6768878	18	14	
6768460	9	16		6768878	18-1	21	
6768461	10	17		6768913			RB 6769429
6768462	9	6		6768916	3	14	
6768464	10	9		6768916	3	14	
6768465	10	8		6768918			RB 6775333
6768466			R 6756332	6768918	3	14	
6768466	11	27		6768924	3	14	
6768467			RB 6769326	6768925	3	12	
6768469	9	13		6768926	3	12	
6768493			R 6758992	6768928	3	12	
6768493	11	25		6768935	3	12	
6768494			RB 6771142	6768971	16	25	
6768498	10	3		6768990	5	16	
6768499			R 6756873	6768996	7	23	
6768499	6	9		6769097			R 6754683
6768499	6-1	9		6769097	7	16	
6768499	10	10		6769098	10	16	
6768523			R 105462	6769099	6	22	
6768523	14	19		6769099	9	15	
6768523	14	38		6769119	14	12	
6768523	14-1	12		6769151	7	13	
6768523	14-1	35		6769152			R 6768769
6768536	20	16		6769152	6	19	
6768543	1	10		6769160			R 6756130
6768559	8	7		6769160	13	11	
6768560			R 6758582	6769198			RB 6769596
6768560			RB 6770726	6769198			RB 6777676
6768561	11	22		6769235			RB 6832620
6768563			R 6757537	6769261	6	10	
6768563	8	1		6769261	6-1	10	
6768575			R 6754754	6769262	9	8	
6768575			RB 6770848	6769272	4	5	
6768735	16	7		6769274			RB 6777779
6768736	16	5		6769275	22	13	
6768737	12	7		6769276	4-1	9	
6768738			RB 6773520	6769277	3	2	
6768739	8	1		6769279	22	1	
6768753	6	8		6769285	22	3	
6768754	6	15		6769286	3	3	
6768755	5	24		6769288	4	10	
6768756			R 6756274	6769290	16	31	

R - REPLACES

RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY	PART NO	FIG NO	REF NO	HISTORY
6769310	6-1	16		6769509	13	27	
6769311	6-1	8		6769596			R 6769198
6769313	7-1	3		6769596	11	13	
6769314			RB 6777242	6769607			R 6703021
6769314			RB 6777677	6769607	4	6	
6769316	7-1	12		6769607	4	6	
6769317	6-1	24		6769607	4	11	
6769318	6-1	7		6769636			RB 6830003
6769319	5	56		6769721			R 6756369
6769320	7-1	25		6769721	12	23	
6769322	7-1	1		6769816	3	14	
6769323	6-1	21		6769860			RB 145641
6769323	7-1	15		6769864			RB 6770729
6769325	6-1	3		6769919			RB 6773446
6769326			R 6768467	6769938			R 6758065
6769326	6	17		6769938	19	20	
6769326	6	21		6769939	1	15	
6769326	6-1	19		6769940			R 6757561
6769326	6-1	22		6769940	1	12	
6769326	7	12		6769965			R 6753978
6769326	7	15		6769965	16	3	
6769326	7-1	13		6769966			RB 6778184
6769326	7-1	17		6769993			R 6769382
6769326	9	17		6769993			RB 6775916
6769326	10	2		6769997	3	14	
6769326	11	3		6770094	18	18	
6769326	11	19		6770094	18-1	25	
6769327	6-1	26		6770302	4	25	
6769328	5	53		6770302	4	28	
6769329	5	55		6770302	4-1	8	
6769334	5	51		6770423			R 6768264
6769336			RB 6770699	6770423	15	10	
6769347	12	24		6770423	15-1	12	
6769356			R 6758468	6770548			R 6757429
6769356			RB 6770647	6770548			RB 6771289
6769357	6-1	15		6770549	15	9	
6769370	7-1	18		6770574	4-1	10	
6769371	15	12		6770597	19	3	
6769372	15	6		6770598			R 6758066
6769382			RB 6769993	6770598	19	4	
6769388	1	8		6770646	18-1	10	
6769402	14	13		6770647			R 6769356
6769402	14	26		6770647	6	18	
6769402	14-1	23		6770647	6	20	
6769402	14-1	28		6770647	6-1	20	
6769413			R 6756124	6770647	6-1	23	
6769413	13	10		6770647	6-1	25	
6769417	3	3		6770647	7	11	
6769418	3	3		6770647	7	14	
6769424	14	25		6770647	7-1	11	
6769424	14-1	21		6770647	7-1	14	
6769429			R 6768912	6770647	7-1	16	
6769429	2	11		6770647	9	18	
6769469			R 6768867	6770647	10	1	
6769469	4	8		6770647	11	2	
6769469	4	13		6770647	11	18	
6769476			R 7710397	6770677			R 6758210
6769476	18	21		6770677	18	9	
6769476	18	21		6770698			R 6756337
6769476	18-1	7		6770698	10	4	

R - REPLACES

RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY	PART NO	FIG NO	REF NO	HISTORY
677C699			R 6769336	6772078	14	41	
677C699	8	1		6772078	14	41	
6770723			R 6759413	6772078	14-1	41	
6770723			RB 6772333	6772115			R 5192296
6770726			R 6768560	6772115	14	18	
6770726	8	4		6772115	14	39	
6770727			R 6768757	6772115	14-1	11	
6770727	5	20		6772115	14-1	36	
6770729			R 6769864	6772140	1	4	
6770729			RB 6832717	6772140	18	20	
6770761	3	4		6772140	18-1	8	
6770787	1	6		6772141	1	4	
677C790	1	9		6772141	18	20	
677C847	1	13		6772141	18-1	8	
677C848			R 6768575	6772182	1	14	
677C848	11	17		6772333			R 6770723
6771142			R 6768494	6772333			RB 6773454
6771142			RB 6771509	6772740	14	44	
6771231			RB 6703154	6772740	14	44	
6771250			R 6768760	6772740	14-1	44	
6771250	5	42		6772881			R 6754932
6771287			R 6757422	6772881	9	9	
6771287	15	11		6773088	4	24	
6771287	15-1	11		6773088	4	27	
6771289			R 6770548	6773088	4-1	7	
6771289	15-1	13		6773140	1	7	
6771300			R 6755002	6773311			R 6750231
6771300	16	28		6773311	18	5	
6771315			R 6757565	6773311	18	16	
6771315	6	14		6773311	18	29	
6771315	6-1	14		6773311	18-1	12	
6771315	7	7		6773311	18-1	23	
6771315	7-1	7		6773311	22	24	
6771316			R 6756279	6773315			R 6758694
6771316	7	7		6773315			RB 6777072
6771316	10	11		6773316			R 6756954
6771323			R 6758312	6773316	14	2	
6771323			RB 6774497	6773316	14-1	2	
6771378	14	45		6773317	14	17	
6771378	14	45		6773317	14-1	40	
6771378	14-1	47		6773318			RB 6774179
6771453			R 6756187	6773318	14	10	
6771453	15	1		6773446			R 6769919
6771453	15-1	27		6773446	16	4	
6771509			R 6771142	6773454			R 6772333
6771509	16	26		6773454			RB 6774721
6771559	5	6		6773504	3	13	
6771579			RB 6774717	6773507	3	12	
6771646			RB 6774716	6773518	12	9	
6771649			R 6759935	6773520			R 6768738
6771649			RB 6778346	6773520	12	1	
6771913	14-1	45		6773521			R 6772075
6771914	14-1	42		6773521	12	1	
6771927			R 6757616	6773521	12	1	
6771927	5	22		6773577	3	12	
6772040			R 6703154	6774038	14-1	10	
6772040	2	1		6774044			R 6757795
6772074	12	7		6774044	18	7	
6772075			RB 6773521	6774045	20	3	
6772076	5	51		6774046	20	1	

R - REPLACES

RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY	PART NO	FIG NO	REF NO	HISTORY
6774093	12	10		6777775	4	19	
6774122	10	8		6777775	4-1	15	
6774179			R 6773318	6777776			R 6756984
6774179	14-1	10		6777776	4	19	
6774184			R 6760285	6777776	4	19	
6774184	3	16		6777776	4-1	15	
6774184	3	16		6777777			R 6756985
6774188			R 6753544	6777777	4	19	
6774188	5	39		6777777	4	19	
6774497			R 6771323	6777777	4-1	15	
6774497	5	38		6777778			R 6757015
6774572			R 6756348	6777778	4	19	
6774572	14	33		6777778	4-1	15	
6774572	14-1	38		6777779			R 6769274
6774695			R 6756072	6777779	4	19	
6774695	13	23		6777779	4-1	15	
6774716			R 6771646	6777814	11	1	
6774716	5	5		6778184			R 6769966
6774716	5	5		6778184	4	26	
6774717			R 6771575	6778184	4	26	
6774717	5	6		6778184	4	26	
6774717	5	6		6778346			R 6771649
6774721			R 6773454	6778346	5	5	
6774721	5	19		6778346	5	5	
6774721	8	6		6778346	5	5	
6774721	11	15		6778393	4-1	6	
6774735			R 6756368	6779312	7-1	10	
6774735	13	33		6779465	18-1	25	
6774736			R 6756364	6830003			R 6769636
6774736	13	32		6830003	4	20	
6775333			R 6768918	6830003	4-1	16	
6775333	3	14		6830021			R 6756361
6775916			R 6769993	6830021	5	33	
6775916	1	12		6830073			R 9417493
6776451	13	21		6830073	10	15	
6776776	16	7		6830153	14	16	
6776777	16	26		6830153	14-1	25	
6776778	17	2		6830409	19	11	
6776779	17	5		6830410	19	16	
6776868	16	5		6830601			RB 6831803
6777072			R 6773315	6831034			R 6754587
6777072	14	3		6831034	6	5	
6777072	14-1	3		6831034	6-1	5	
6777223	4-1	6		6831034	7	21	
6777242			R 141212	6831034	7-1	23	
6777242			R 6769314	6831034	9	2	
6777242	11	12		6831803			R 6756408
6777242	11	28		6831803			R 6830601
6777672			R 6758310	6831803	4	1	
6777672			RB 6832484	6831803	4-1	1	
6777673			R 6758309	6832484			R 6777672
6777673			RB 6832486	6832484	6	4	
6777675			R 6758311	6832484	6-1	4	
6777675			RB 6832485	6832484	7	20	
6777676			R 6769198	6832484	7-1	22	
6777676			RB 6832621	6832484	9	1	
6777677			R 6769314	6832484	10	18	
6777677			RB 6832622	6832485			R 6777675
6777775			R 6756589	6832485	10	20	
6777775	4	19		6832486			R 6777673

R - REPLACES

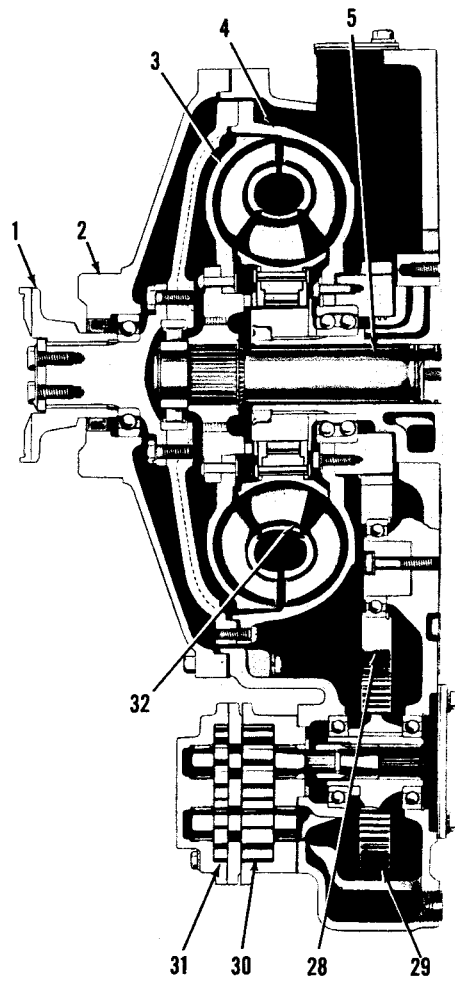
RB - REPLACED BY

PART NO	FIG NO	REF NO	HISTORY	PART NO	FIG NO	REF NO	HISTORY
6832486	6	6					
6832486	6-1	6					
6832486	7	22					
6832486	7-1	24					
6832486	9	3					
6832617			R 6754588				
6832617	10	19					
6832620			R 6769235				
6832620	11	6					
6832621			R 6777676				
6832621	11	7					
6832622			R 6777677				
6832622	11	8					
6832716	11	11					
6832717			R 6770729				
6832717	11	9					
6832907			R 6768267				
6832907	12	11					
6833388			R 499204				
6833388	14	32					
6833388	14-1	39					
6833833	18	28					
6834714	14	17					
6834714	14-1	40					
6834715	14	10					
7708678			RB 6766312				
7710357			RB 6769476				
7994581	22	6					
8892840			R 6753893				
8892840	13	35					
8894450	20	7					
9226288	12	11					
9409033	6-1	18					
9409037	4	21					
9409037	4-1	17					
9409056			RB 9409058				
9409056	3	1					
9409056	3	11					
9409058			R 9409056				
9409058	3	1					
9409058	3	1					
9409058	3	11					
9409058	3	11					
9409059	1	1					
9409059	18	23					
9409059	18-1	5					
9409127	5	25					
9409127	5	54					
9417493			RB 6830073				

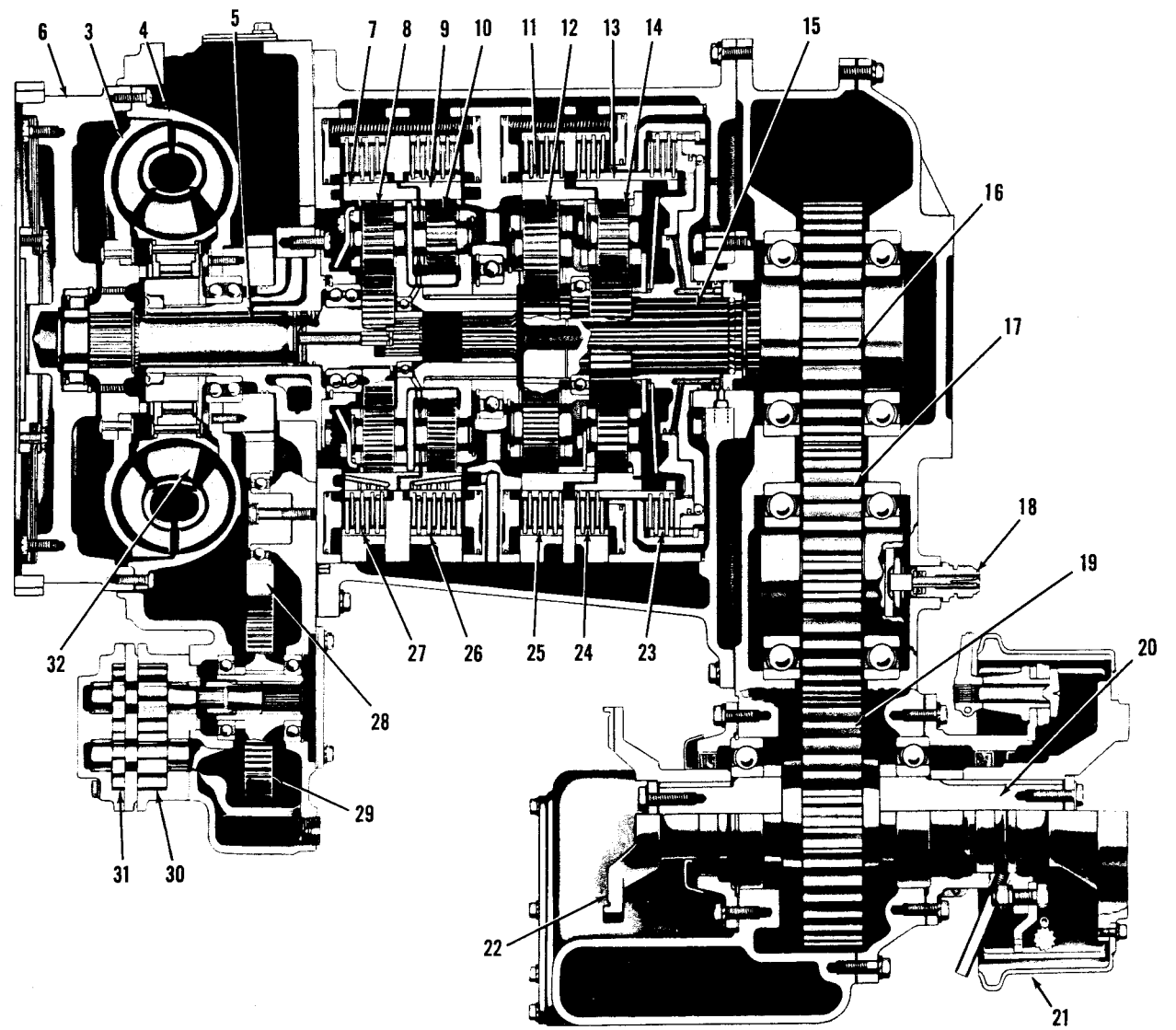
R - REPLACES

RB - REPLACED BY

- 1 - Input flange
- 2 - Converter housing front cover
- 3 - Torque converter turbine
- 4 - Torque converter pump
- 5 - Turbine shaft
- 6 - Flex disk and flywheel assembly
- 7 - Forward clutch ring gear
- 8 - Forward planetary carrier assembly
- 9 - Reverse clutch ring gear
- 10 - Reverse planetary carrier assembly
- 11 - High range ring gear
- 12 - High range planetary carrier assembly
- 13 - Intermediate and low clutch ring gear
- 14 - Intermediate range planetary carrier assembly
- 15 - Main shaft
- 16 - Transfer drive gear
- 17 - Output idler gear
- 18 - Speedometer drive assembly
- 19 - Transfer driven gear
- 20 - Output drive shaft
- 21 - Parking brake
- 22 - Output flange
- 23 - Low range clutch
- 24 - Intermediate range clutch
- 25 - High range clutch
- 26 - Reverse clutch
- 27 - Forward clutch
- 28 - Oil pump drive idler gear
- 29 - Input and scavenge oil pump gear
- 30 - Oil pump driven gear
- 31 - Scavenge pump gear
- 32 - Stator (3-element)

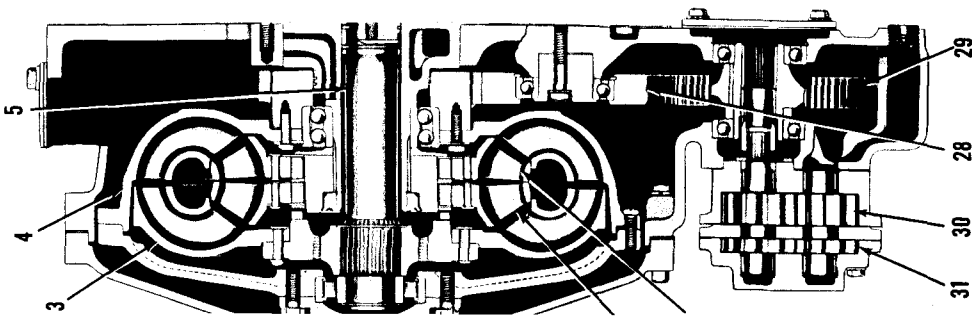
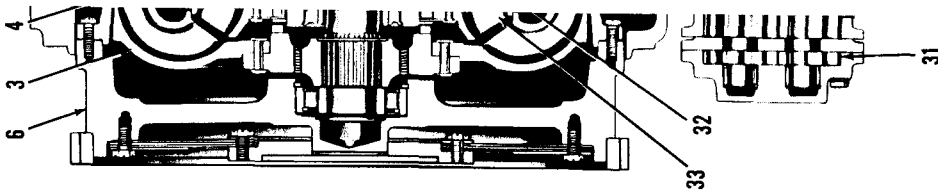


Remote Mounted



Model CRT 5631 Powershift Transmission Cross Section — Engine Mounted

- 1 - Input flange
- 2 - Converter housing front cover
- 3 - Torque converter turbine
- 4 - Torque converter pump
- 5 - Turbine shaft
- 6 - Flex disk and flywheel assembly
- 7 - Forward clutch ring gear
- 8 - Forward planetary carrier assembly
- 9 - Reverse clutch ring gear
- 10 - Reverse planetary carrier assembly
- 11 - High range ring gear
- 12 - High range planetary carrier assembly
- 13 - Intermediate and low clutch ring gear
- 14 - Intermediate range planetary carrier assembly
- 15 - Main shaft
- 16 - Transfer drive gear
- 17 - Output idler gear
- 18 - Speedometer drive assembly
- 19 - Transfer driven gear
- 20 - Output drive shaft
- 21 - Parking brake
- 22 - Output flange
- 23 - Low range clutch
- 24 - Intermediate range clutch
- 25 - High range clutch
- 26 - Reverse clutch
- 27 - Forward clutch
- 28 - Oil pump drive idler gear
- 29 - Input and scavenge oil pump gear
- 30 - Oil pump driven gear
- 31 - Scavenge pump gear
- 32 - Second stator
- 33 - First stator



Model CRT 5631

Remote Mounted