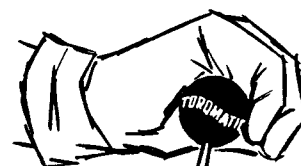
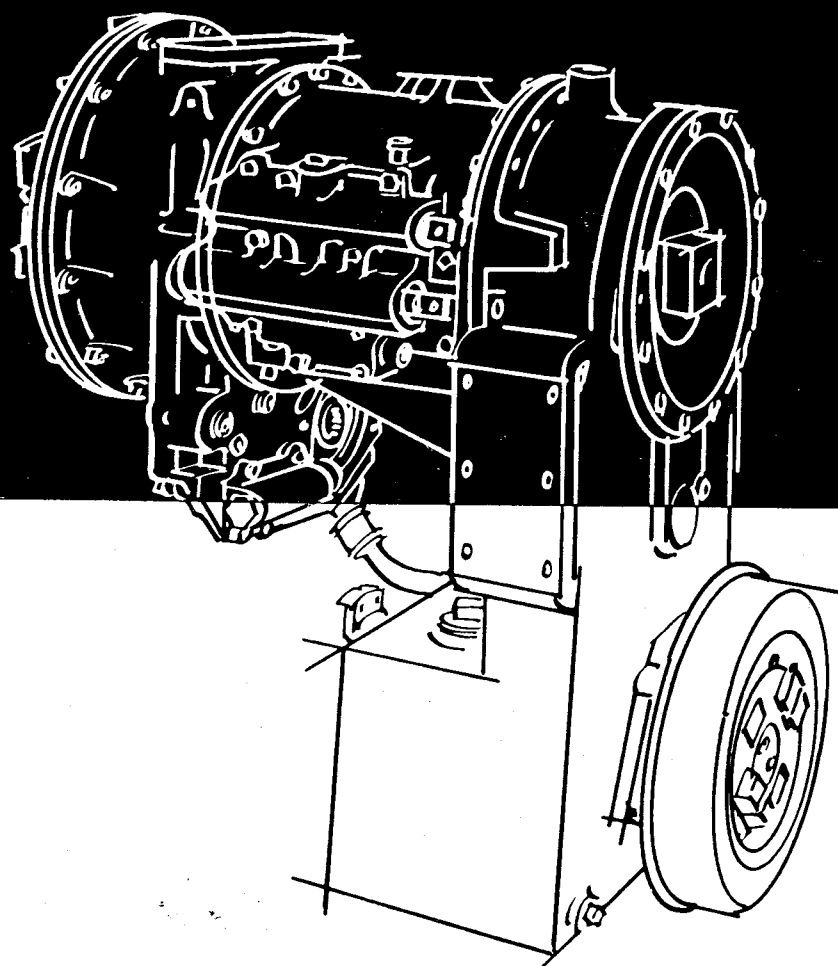


SA 1102E

SERIES 3531-1, 3531-3 AND 3630-1

Allison

TORQMATIC PARTS CATALOG



POWERSHIFT IS YOUR PROFIT

POWERSHIFT IS OUR BUSINESS

Important

HOW TO FIND THE RIGHT PARTS WITH THIS PARTS CATALOG

→ **FIRST**, you must know the assembly part number of your Torqmatic Transmission in order to find the correct part number of the part you require.

This Torqmatic Transmission assembly part number appears on the name plate attached to the housing. The name plate is illustrated below.

USING PICTORIAL INDEX

Note that the pictorial index is only a guide to the group in which the particular part you want may be found. The part as shown in the index may not appear in its exact configuration or quantity. Its detail will be shown in the group listed. Each group listing is preceded by the Torqmatic Transmission assembly part numbers. Be sure the parts you want are right for your model transmission. Check your Torqmatic Transmission assembly part number with the numbers preceding each group listing. Do not use the figure reference numbers when ordering parts. Pages 1, 6 and 7 will further help you in ordering correctly the parts you need.

	
MODEL NO.	PART NO.
SERIAL NO.	
USE HYDRAULIC TRANSMISSION FLUID TYPE "C1"	
MFG. UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS.	
2193304	2362418 2380680 2430258 2433052
2521239	2596931 2612754 2696171 2699074
2732727	2736412 2737824
MANUFACTURED BY	
ALLISON DIVISION, G.M.C.	
INDIANAPOLIS, INDIANA	

NAME PLATE

Finding your assembly number

Torqmatic Transmission models included in this catalog are listed on Page II-1 by A/N (Assembly Number) in numerical sequence. Information not included in this catalog can be obtained by contacting the Service Parts Department.

HOW TO ORDER PARTS

Be sure to give the Torqmatic Transmission Assembly Part Number, the Model, and the Serial Number found on the Torqmatic Transmission name plate.

Always give the part name and quantity desired as well as the part number.

CAUTION

Do not order parts directly from the numerical index.

NOTE



All parts orders should be placed with the distributor or dealer from whom you purchased your equipment. Do not place orders directly with Allison Division.

FOR AVAILABLE *Service Kits* —

SEE PAGE 8

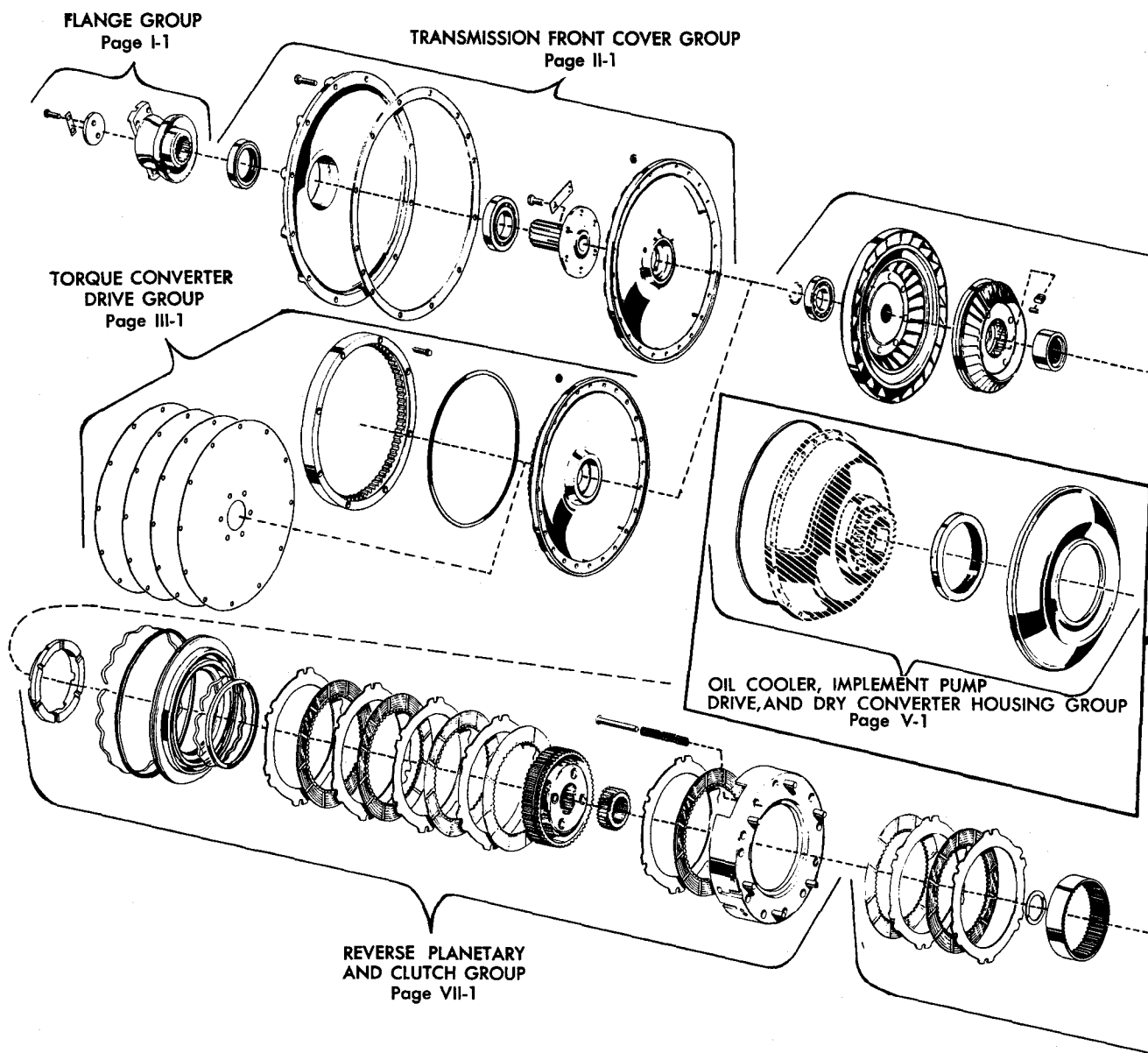
SERIES 3531-1, 3531-3 AND 3630-1 PARTS CATALOG



Allison Division, General Motors Corporation, Box 894, Indianapolis, Indiana 46206

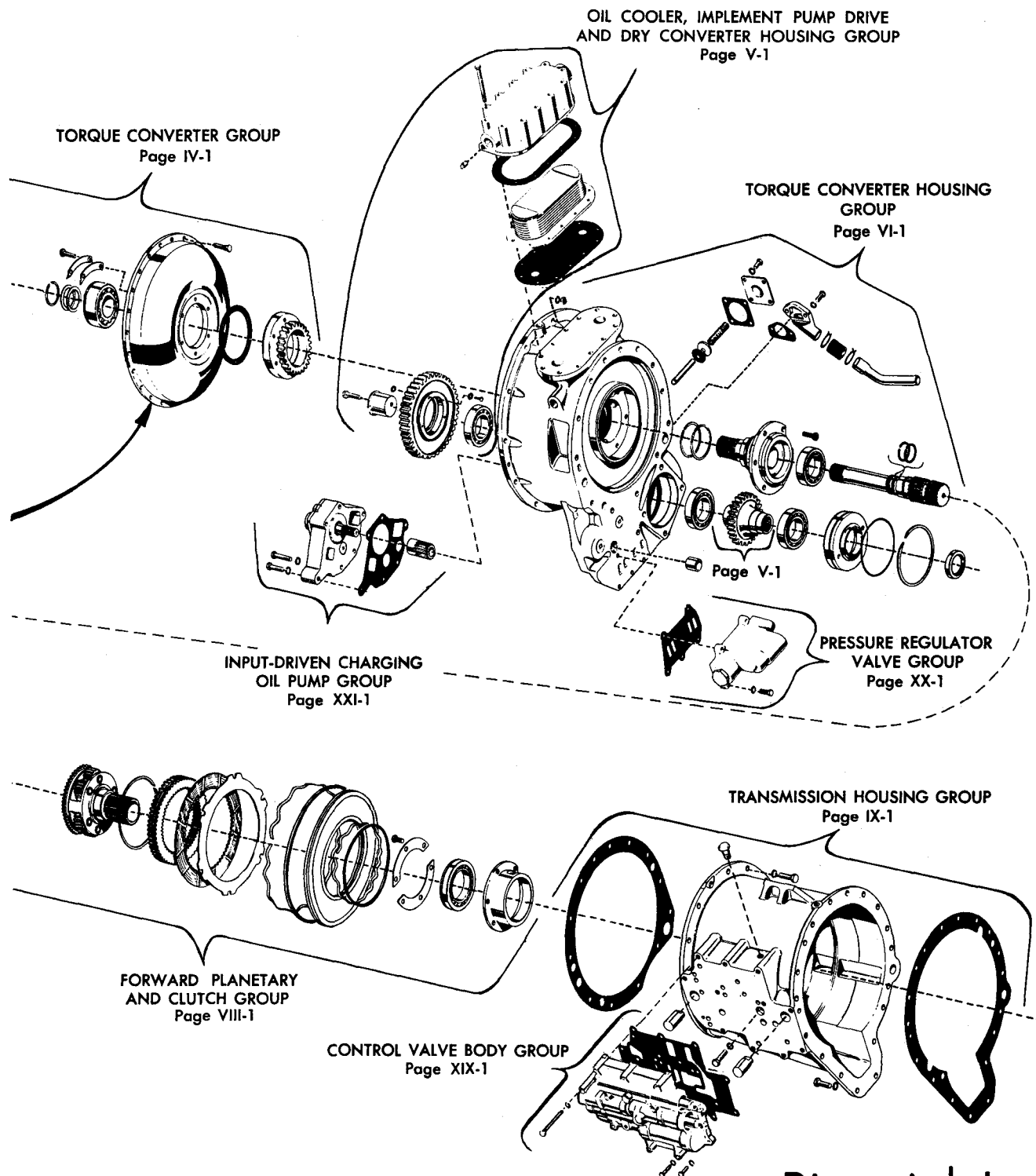
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TO GET THE RIGHT PART YOU MUST KNOW YOUR TRANSMISSION



To Get the Right Part
You Must Know Your
Transmission Assembly
Number Found on the
Transmission Name Plate

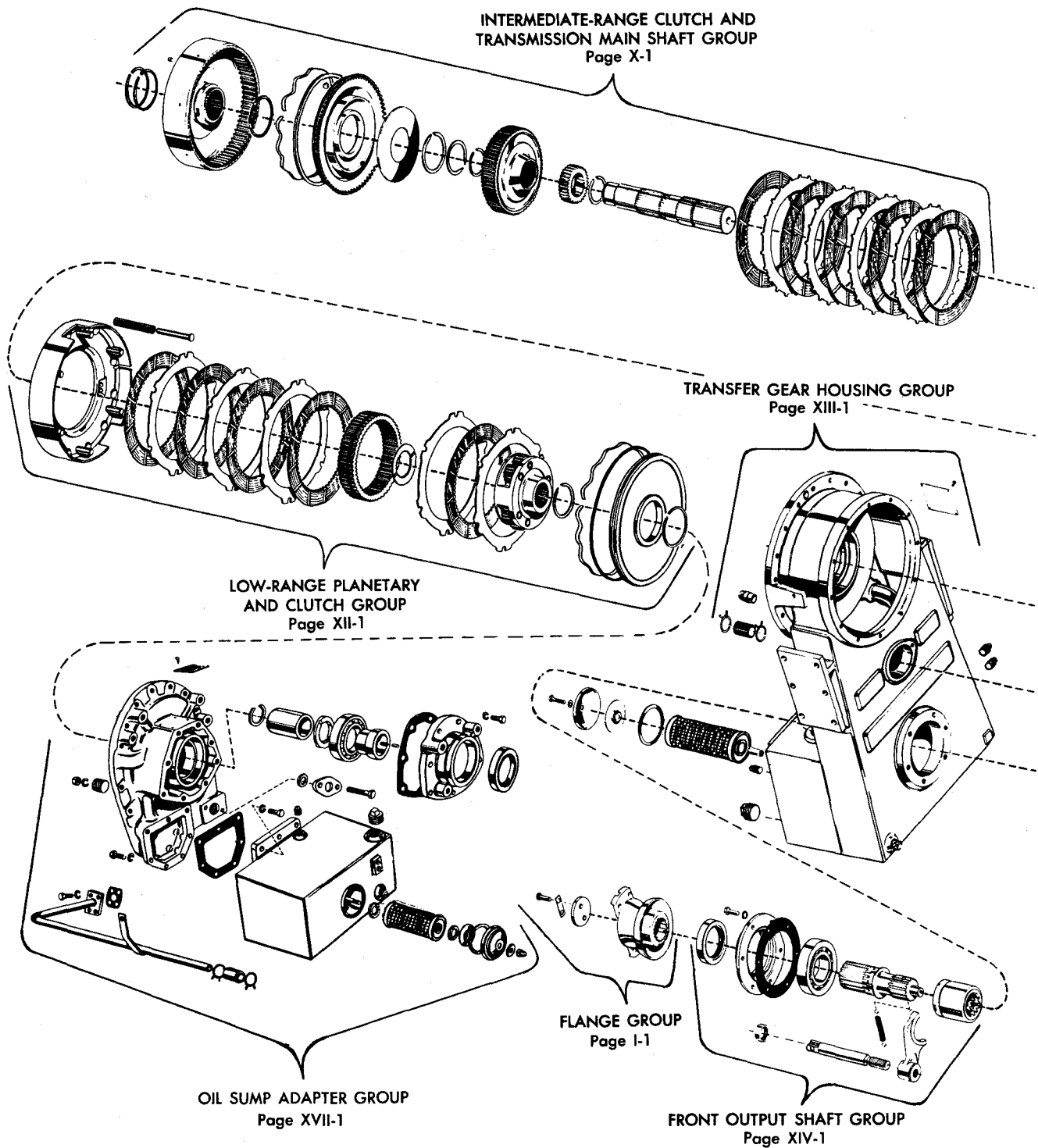
ASSEMBLY NUMBER FOUND ON THE TRANSMISSION NAME PLATE



Pictorial Index
continued next page

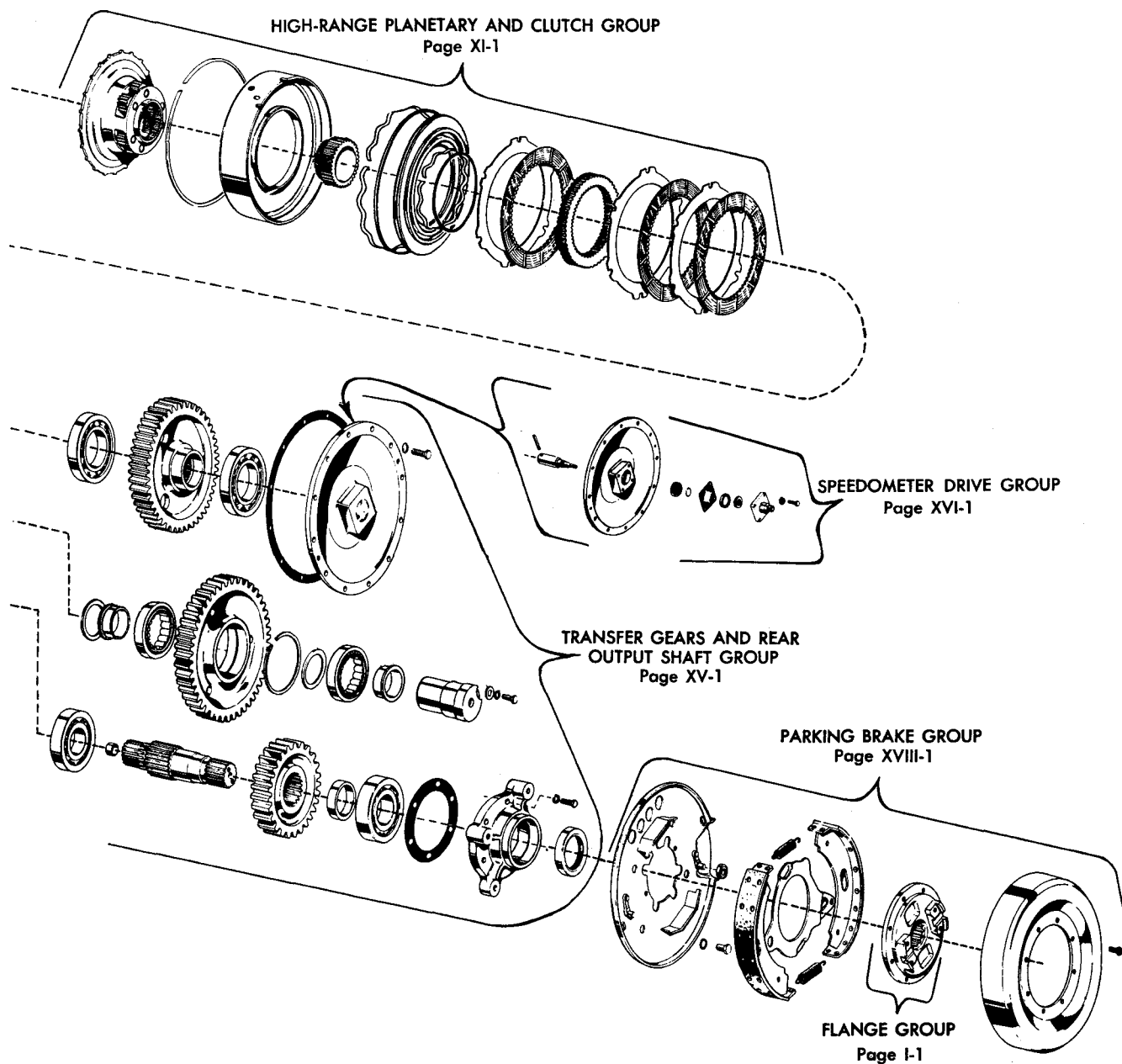
TO GET THE RIGHT PART YOU MUST KNOW YOUR TRANSMISSION

Continued from
preceding page



ASSEMBLY NUMBER FOUND ON THE TRANSMISSION NAME PLATE

To Get the Right Part
You Must Know Your
Transmission Assembly
Number Found on the
Transmission Name Plate



MODEL DESIGNATION CODE
(Stamped on the transmission name plate)

The letters "CRT" show the arrangement of the transmission components and the type of transmission. The digits (3531) or (3630) indicate the size of the converter used, the transmission capacity, the transmission basic speed ranges and the model change. The example below illustrates the meaning of the letters and numbers.

"CRT" means a transmission with a converter placed first and a transmission with three speeds forward and three speeds reverse connected to the converter. The first digit (3) indicates the converter size, Series 300. The second digit (5) or (6) indicates the approximate transmission torque capacity. The third digit (3) indicates the transmission has three basic speed ranges. The fourth digit (0) or (1) indicates the model change. The suffix (-1) indicates that the unit has transfer gearing with both front and rear outputs. The (-3) indicates a straight-thru drive.

Code Explanation

- C - indicates Converter
- RT - indicates Transmission with 3 speeds forward,
3 speeds reverse
- 3 - indicates converter size
- 5 or 6 - indicates transmission capacity
- 3 - indicates transmission basic speed ranges
- 0 or 1 - indicates model change
- 1 - indicates transfer gearing, front and rear outputs
- 3 - indicates straight-thru drive

EXAMPLE OF PARTS LIST ORGANIZATION

Here is an example of the parts list organization used in this catalog. Understanding this example will help you to order the right parts.

REF	NOMENCLATURE	PART NO	REQ
1	Assembly	6700001	1
2	Subassembly	6754002	1
3	Detail part	676003	1
4	Detail part	67543004	1
5	Detail part	67090005	2
6	Detail part	4597006	3
7	Detail part	3285007	1
8	Subassembly	6765008	1
9	Detail part	5950009*	4
10	Detail part	6759010*	1
11	Subassembly	67521011	1
12	Detail part	67573012	1
13	Subassembly	67094013	1
14	Detail part	67048014	1
15	Detail part	6750015	2
16	Detail part	67076016	1
17	Detail part	67854017	1
18	Assembly	5759018	1
19	Subassembly	4399019	1
20	Detail part	7550020	1

*Serviced in assembly only - not as a detail part.

Explanation

If you order part number 6700001, you will receive parts 6754002 through 6750015.

If you order part number 6754002, you will receive parts 676003 through 67090005.

If you order part number 676003, you will receive part 676003 only.

If you order part numbers 5950009 or 6759010, you will receive part 6765008 which is the assembly composed of parts 5950009 and 6759010. The star after part numbers 5950009 and 6759010 indicates that these parts are not serviced alone.

LISTED BELOW ARE THE SERVICE KITS
AVAILABLE FOR THE SERIES 3531 TORQMATIC TRANSMISSION

SEAL AND GASKET KIT - P/N 6775448
Used on Engine Mounted 3531-1 assemblies only.
Contains all seals and gaskets necessary for
complete transmission rebuild.

SEAL AND GASKET KIT - P/N 6775446
Used on Remote Mounted 3531-1 assemblies only.
Contains all seals and gaskets necessary for
complete transmission rebuild.

SEAL AND GASKET KIT - P/N 6779033
Used on Engine Mounted 3531-3 assemblies only.
Contains all seals and gaskets necessary for
complete transmission rebuild.

PARKING BRAKE LINING KIT - P/N 6758258
Contains linings for 2 brake shoes and 28 rivets.

CONVERTER DRIVE RING KIT - P/N 6775458
Used on Engine Mounted assemblies only. Contains
drive adaption parts between engine flywheel and
converter pump cover.

STATOR SPRING AND ROLLER KIT - P/N 6770733
Contains complete set of converter stator springs
and rollers.

OIL COOLER KIT - P/N 6759901
Contains the necessary parts to mount an integral
oil cooler on the converter housing.

Designed especially for you . . .



You won't be guessing in your selecting

FLANGE GROUP

To find detail parts for your Allison Torqmatic Transmission, turn to the group listed opposite the assembly part number of your transmission.

A/N*	MODEL	LOCATION	GROUP	A/N*	MODEL	LOCATION	GROUP
6771074	CRT 3531-1	(a)	D	6774669	CRT 3531-1	(a)	M
"	"	(b)	D	"	"	(b)	N
"	"	(c)	B	"	"	(c)	B
6771321	CRT 3531-1	(a)	D	6774699	CRT 3531-1	(a)	D
"	"	(b)	C	"	"	(b)	D
"	"	(c)	B	"	"	(c)	B
6771392	CRT 3531-1	(b)	F	6774741	CRT 3531-3	(d)	P
"	"	(c)	G	6774875	CRT 3531-1	(a)	L
6771647	CRT 3531-1	(b)	F	"	"	(b)	A
"	"	(c)	G	"	"	(c)	B
6771924	CRT 3531-1	(a)	D	6775537	CRT 3531-1	(b)	A
"	"	(b)	C	"	"	(c)	B
"	"	(c)	B	6775552	CRT 3531-1	(b)	A
6771940	CRT 3531-1	(a)	D	"	"	(c)	B
"	"	(b)	C	6775826	CRT 3531-1	(a)	D
"	"	(c)	B	"	"	(b)	C
6772034	CRT 3531-1	(b)	A	"	"	(c)	B
"	"	(c)	A	6775917	CRT 3531-3	(d)	K
6772118	CRT 3531-1	(a)	H	6775918	CRT 3531-3	(d)	K
"	"	(b)	A	6775987	CRT 3531-1	(b)	A
"	"	(c)	B	"	"	(c)	B
6772456	CRT 3531-1	(a)	E	6776529	CRT 3531-1	(a)	C
"	"	(b)	C	"	"	(b)	C
"	"	(c)	J	"	"	(c)	B
6773267	CRT 3531-3	(d)	K	6776572	CRT 3531-1	(b)	F
6773297	CRT 3531-1	(b)	A	"	"	(c)	G
"	"	(c)	B	6776606	CRT 3531-1	(a)	M
6773323	CRT 3531-3	(d)	K	"	"	(b)	A
6773505	CRT 3531-1	(b)	A	"	"	(c)	B
"	"	(c)	B	6776607	CRT 3531-1	(a)	M
6773629	CRT 3531-1	(b)	A	"	"	(b)	A
"	"	(c)	A	"	"	(c)	B
6773706	CRT 3531-3	(d)	K	6776642	CRT 3531-3	(d)	P
6773852	CRT 3531-1	(a)	E	6776755	CRT 3531-1	(b)	A
"	"	(b)	C	"	"	(c)	B
"	"	(c)	J	6776814	CRT 3531-1	(b)	Q
6773937	CRT 3531-1	(a)	L	"	"	(c)	Q
"	"	(b)	A	6776956	CRT 3531-1	(b)	Q
"	"	(c)	B	"	"	(c)	Q
6774041	CRT 3531-1	(a)	D	6776986	CRT 3531-1	(b)	A
"	"	(b)	C	"	"	(c)	B
"	"	(c)	B	6777038	CRT 3531-1	(b)	A
6774047	CRT 3531-1	(a)	D	"	"	(c)	B
"	"	(b)	D	6777038	CRT 3630-1	(b)	A
"	"	(c)	B	"	"	(c)	B
6774275	CRT 3531-1	(a)	L	6777039	CRT 3531-3	(a)	C
"	"	(b)	A	"	"	(d)	K
"	"	(c)	B	6777118	CRT 3531-1	(a)	R
6774330	CRT 3531-3	(d)	K	"	"	(b)	A
6774641	CRT 3531-3	(d)	K	"	"	(c)	B

(CONTINUED ON NEXT PAGE)

*A/N (Assembly number) found on your transmission name plate.

FLANGE GROUP (Cont'd)

A/N*	MODEL	LOCATION	GROUP	A/N*	MODEL	LOCATION	GROUP
6777129	CRT 3531-1	(a)	Q	6777695	CRT 3531-1	(b)	A
"	"	(c)	Q	"	"	(c)	B
6777130	CRT 3531-1	(b)	Q	6777794	CRT 3531-1	(a)	M
"	"	(c)	Q	"	"	(b)	N
6777130	CRT 3630-1	(b)	Q	"	"	(c)	B
"	"	(c)	Q	6777946	CRT 3531-1	(a)	C
6777153	CRT 3531-3	(b)	K	"	"	(b)	C
6777154	CRT 3531-1	(a)	D	"	"	(c)	B
"	"	(b)	A	6778140	CRT 3630-1	(b)	A
"	"	(c)	A	"	"	(c)	B
6777232	CRT 3531-3	(d)	K	6778207	CRT 3531-1	(b)	A
6777444	CRT 3531-1	(b)	N	"	"	(c)	B
"	"	(c)	B	6778370	CRT 3531-3	(b)	K
6777569	CRT 3531-1	(b)	A				
"	"	(c)	B				

*A/N (Assembly number) found on your transmission name plate.

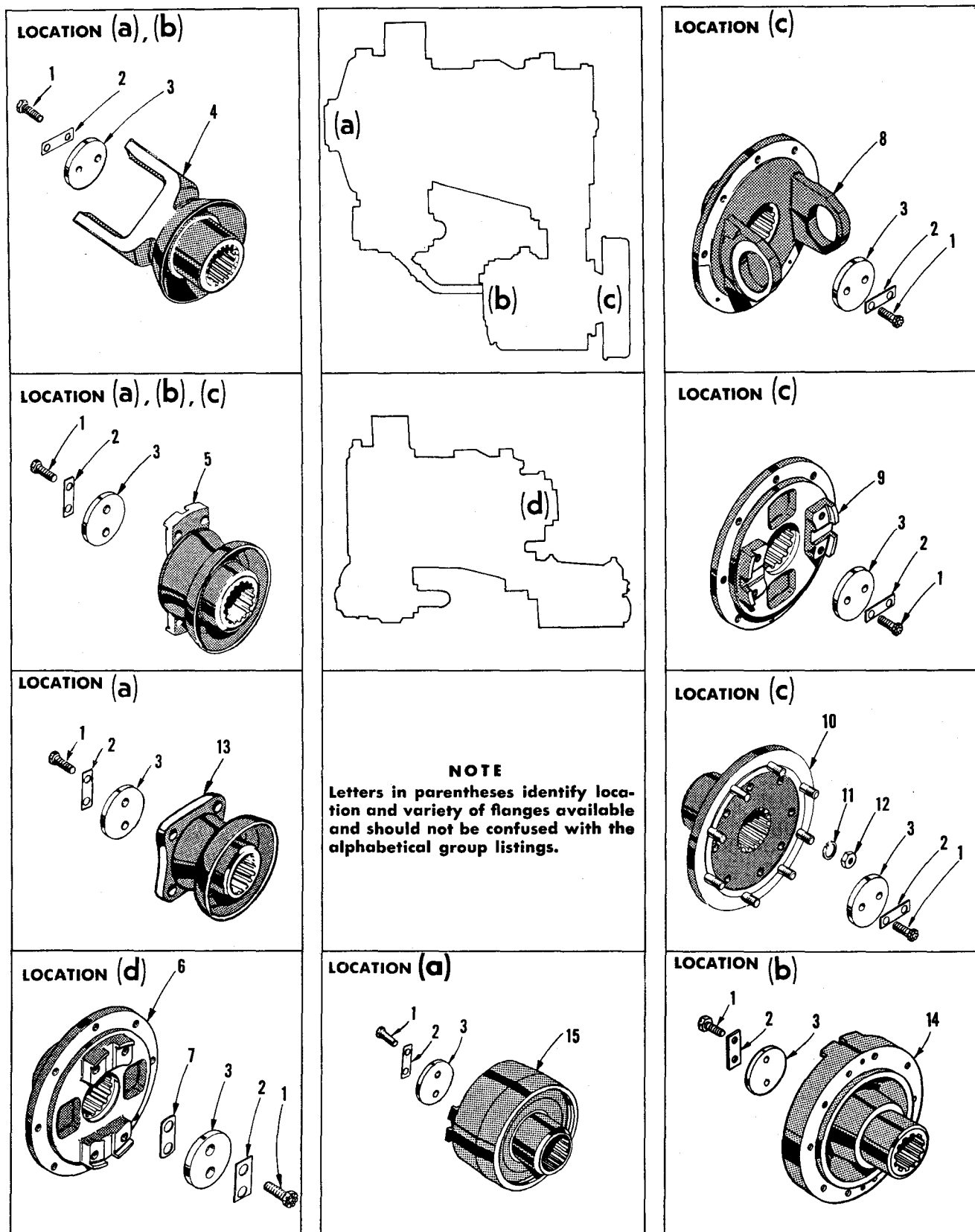


FIG 1. FLANGE, EXPLODED VIEW

GROUP A
FLANGE, Figure I

REF	NOMENCLATURE	PART NO	REQ
1	BOLT, Hx hd, self-locking, 3/8-24 x 1 1/8 . . .	9409036	2
2	STRIP, Locking	6757243	1
3	WASHER, Flange retainer	6757184	1
4	Not used in this group.		
5	FLANGE, Fixed (M7C)	6758148	1
6-15	Not used in this group.		

GROUP B
FLANGE, Figure I

Same as Group A, except for parts listed below.

4-8	Not used in this group.		
9	FLANGE, Brake mounting fixed, (M7C)	6769178	1
10-15	Not used in this group.		

GROUP C
FLANGE, Figure I

Same as Group A, except for parts listed below.

5	FLANGE, Fixed (M7C)	6759025	1
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GROUP D
FLANGE, Figure I

Same as Group A, except for parts listed below.

5	FLANGE, Fixed (M6C)	6771855	1
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GROUP E
FLANGE, Figure I

Same as Group A, except for parts listed below.

4	FLANGE, Fixed, yoke type (5N)	6769843	1
5-15	Not used in this group.		

GROUP F
FLANGE, Figure I

Same as Group A, except for parts listed below.

4	FLANGE, Fixed, yoke type (6N)	6769226	1
5-15	Not used in this group.		

GROUP G
FLANGE, Figure I

Same as Group A, except for parts listed below.

4-7	Not used in this group.		
8	FLANGE, Fixed, brake mounting (6N)	6769197	1
9-15	Not used in this group.		

GROUP H

FLANGE, Figure I

Same as Group A, except for parts listed below.

REF	NOMENCLATURE	PART NO	REQ
4	FLANGE, Fixed, yoke type (S 1600)	6770172	1
5-15	Not used in this group.		

GROUP J

FLANGE, Figure I

Same as Group A, except for parts listed below.

4-9	Not used in this group.		
10	FLANGE, Fixed brake mounting (S 1600)	6771148	1
11	WASHER, Lock, 7/16	103321	8
12	NUT, Hx hd, 3/8-24	103026	8
13-15	Not used in this group.		

GROUP K

FLANGE, Figure I

1	BOLT, Hx hd, 3/8-24 x 1 1/4	9409059	1
2	STRIP, Locking.	6755269	1
3	WASHER, Flange retainer	6768324	1
4-5	Not used in this group.		
6	FLANGE.	6773275	1
7	SHIM, 0.025 thick (Used as required to adjust flange retainer deflection to 0.008-0.012)	6772140	AR
7	SHIM, 0.005 thick (Used as required to adjust flange retainer deflection to 0.008-0.012)	6772141	AR
8-15	Not used in this group.		

GROUP L

FLANGE, Figure I

Same as Group A, except for parts listed below.

5	FLANGE (M6C).	6771854	1
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GROUP M

FLANGE, Figure I

Same as Group A, except for parts listed below.

4-12	Not used in this group.		
13	FLANGE (S-1500)	6770171	1
14-15	Not used in this group.		

GROUP N

FLANGE, Figure I

Same as Group A, except for parts listed below.

4-13	Not used in this group.		
14	FLANGE (M8C) 3/8-24 brake mounting holes. . . .	6774740	1
15	Not used in this group.		

GROUP P

FLANGE, Figure I

Same as Group K, except for parts listed below.

REF	NOMENCLATURE	PART NO	REQ
6	FLANGE (M8C).	6774739	1

GROUP Q

FLANGE, Figure I

1	BOLT, Hx hd, self-locking, 3/8-24 x 1 1/8 . . .	9409036	2
2	STRIP, Locking.	6757243	1
3	WASHER, Flange retaining.	6757184	1
4	Furnished by original equipment manufacturer.		
5-15	Not used in this group.		

GROUP R

FLANGE, Figure I

Same as Group A, except for parts listed below.

4-14	Not used in this group.		
15	FLANGE (M6C).	6777408	1

**TRANSMISSION FRONT COVER GROUP
(TRANSMISSION REMOTE MOUNTED)**

**To find detail parts for your Allison Torqmatic Transmission, turn to
the group listed opposite the assembly part number of your transmission.**

A/N*	MODEL	GROUP	A/N*	MODEL	GROUP
6771074	CRT 3531-1	A	6774699	CRT 3531-1	A
6771321	CRT 3531-1	A	6774875	CRT 3531-1	A
6771924	CRT 3531-1	A	6775826	CRT 3531-1	A
6771940	CRT 3531-1	A	6776529	CRT 3531-1	A
6772118	CRT 3531-1	A	6776606	CRT 3531-1	A
6772456	CRT 3531-1	A	6776607	CRT 3531-1	A
6773852	CRT 3531-1	A	6777039	CRT 3531-3	A
6773937	CRT 3531-1	A	6777118	CRT 3531-1	A
6774041	CRT 3531-1	A	6777154	CRT 3531-1	A
6774047	CRT 3531-1	A	6777794	CRT 3531-1	A
6774275	CRT 3531-1	A	6777946	CRT 3531-1	A
6774669	CRT 3531-1	A			

*A/N (Assembly number) found on your transmission name plate.

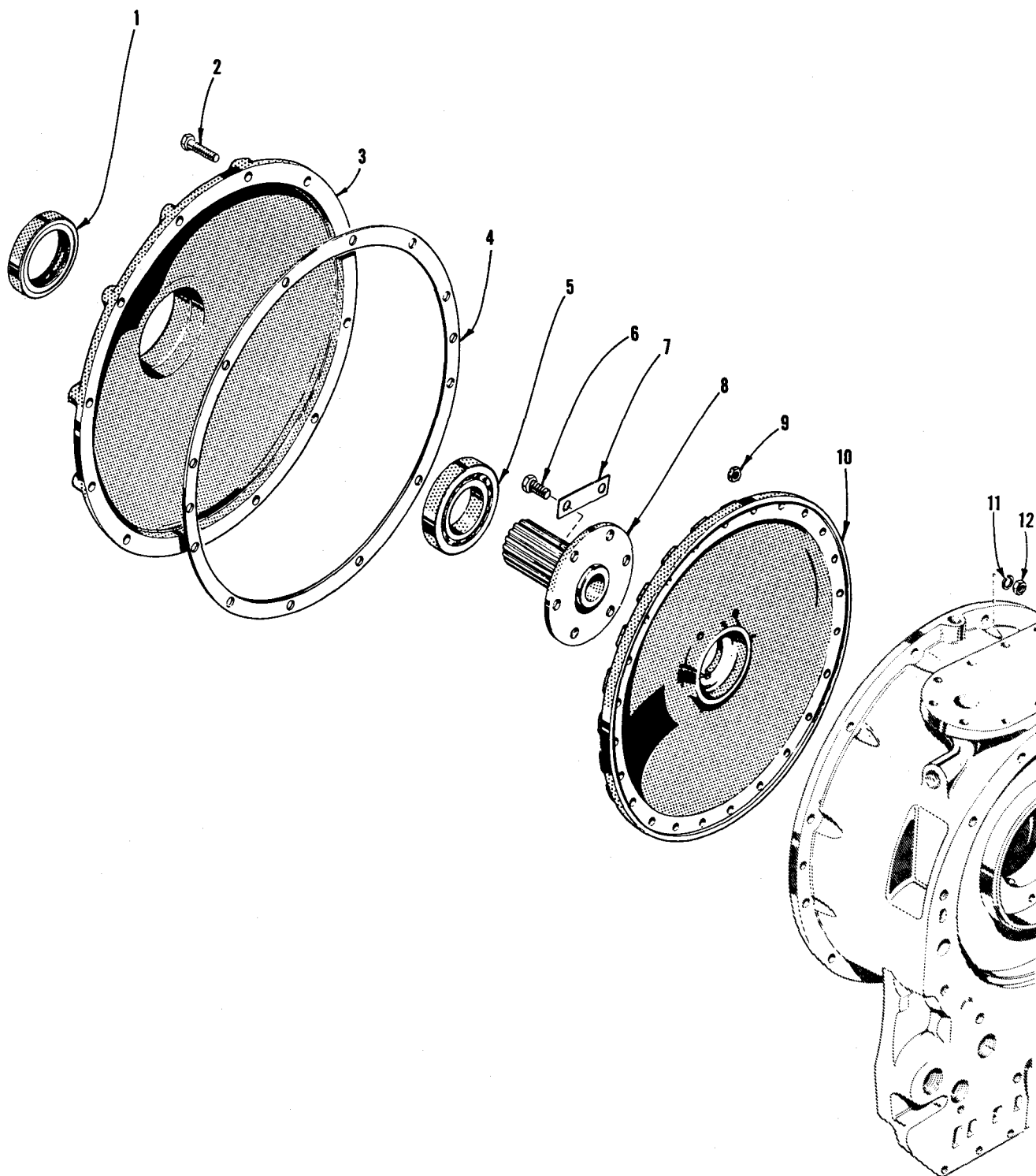


FIG II. TRANSMISSION FRONT COVER, EXPLODED VIEW

GROUP A
TRANSMISSION FRONT COVER, Figure II
(Transmission Remote Mounted)

REF	NOMENCLATURE	PART NO	REQ
1	SEAL, Input flange lip type oil	6773373	1
2	BOLT, Hx hd, 3/8-24 x 2	181379	12
3	COVER, Transmission front	6757254	1
4	GASKET.	6758030	1
5	BEARING, Single row ball (ND 3211-1A)	903211	1
6	BOLT, Hx hd, 1/2-13 x 1 1/8	179882	6
7	STRIP, Locking.	6757230	3
8	SHAFT, Converter drive	6757256	1
9	NUT, Hx, 5/16-24	451006	24
10	COVER, Converter pump	6772407	1
11	WASHER, Lock, 3/8	103321	12
12	NUT, Hx, 3/8-24	103026	12

**TORQUE CONVERTER DRIVE GROUP
(TRANSMISSION ENGINE MOUNTED)**

**To find detail parts for your Allison Torqmatic Converter, turn to the group
listed opposite the assembly part number of your converter.**

A/N*	MODEL	GROUP	A/N*	MODEL	GROUP
6771392	CRT 3531-1	A	6776642	CRT 3531-3	A
6771647	CRT 3531-1	A	6776755	CRT 3531-1	A
6772034	CRT 3531-1	A	6776814	CRT 3531-1	A
6773267	CRT 3531-3	A	6776956	CRT 3531-1	C
6773297	CRT 3531-1	B	6776986	CRT 3531-1	A
6773323	CRT 3531-3	A	6777038	CRT 3531-1	A
6773505	CRT 3531-1	B	6777038	CRT 3630-1	A
6773629	CRT 3531-1	A	6777129	CRT 3531-1	A
6773706	CRT 3531-3	A	6777130	CRT 3531-1	A
6774330	CRT 3531-3	A	6777130	CRT 3630-1	A
6774641	CRT 3531-3	A	6777153	CRT 3531-3	C
6774741	CRT 3531-3	A	6777232	CRT 3531-3	A
6775537	CRT 3531-1	A	6777444	CRT 3531-1	A
6775552	CRT 3531-1	A	6777569	CRT 3531-1	A
6775917	CRT 3531-3	A	6777695	CRT 3531-1	A
6775918	CRT 3531-3	A	6778140	CRT 3630-1	C
6775987	CRT 3531-1	A	6778207	CRT 3531-1	A
6776572	CRT 3531-1	C	6778370	CRT 3531-3	C

* A/N (Assembly number) found on your transmission name plate.

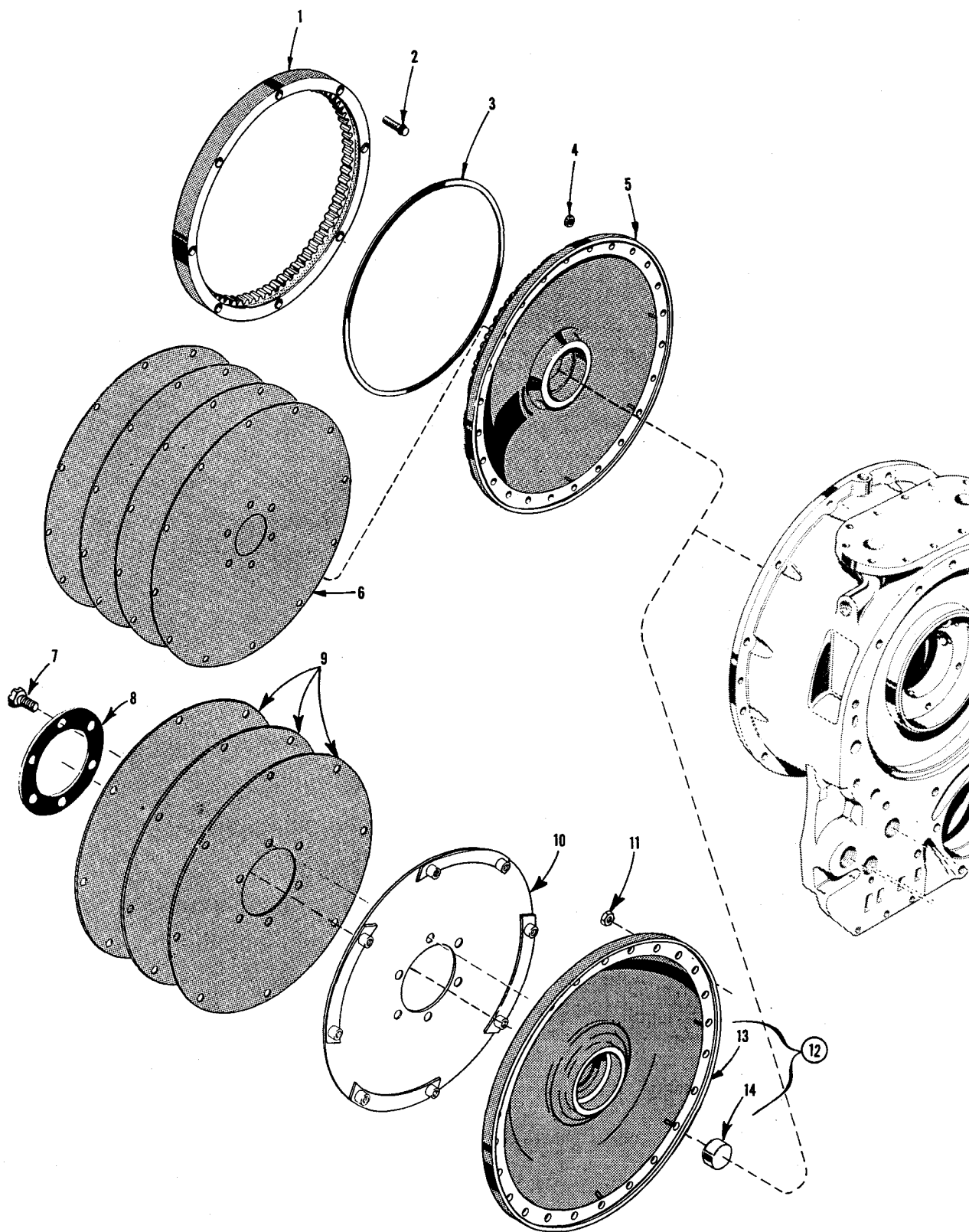


FIG III. TORQUE CONVERTER DRIVE, EXPLODED VIEW

GROUP A
TORQUE CONVERTER DRIVE, Figure III
(Transmission Engine Mounted)

REF	NOMENCLATURE	PART NO	REQ
1	RING, Converter drive	6775414	1
2	BOLT, 12 Point head, 3/8-16 x 1 1/4	9412270	8
3	RING, Drive ring seal, rectangular cross section	6769818	1
4	NUT, Hx, 5/16-24.	451006	24
5	COVER, Converter pump	6772408	1
6	Not used in this group.		

GROUP B
TORQUE CONVERTER DRIVE, Figure III
(Transmission Engine Mounted)

Same as Group A, except for parts listed below.

1-3	Not used in this group.		
5	COVER, Converter pump	6773296	1
6	DISK, Flexible flywheel	6773456	4

GROUP C
TORQUE CONVERTER DRIVE, Figure III
(Transmission Engine Mounted)

1-6	Not used in this group.		
7	BOLT, Hx hd, 1/2-13 x 1	9409258	6
8	PLATE, Disk retaining	6774012	1
9	DISK, Flexible.	6777448	3
10	DISK AND WASHER ASSY, Flexible.	6777449	1
11	NUT, Hx, 5/16-24.	451006	24
12	COVER ASSY, Torque converter.	6774107	1
13	COVER, Torque converter.	6774008*	1
14	PLUG	6774106	1

* Serviced as an assy only - not as a detail part.

TORQUE CONVERTER GROUP

To find detail parts for your Allison Torqmatic Transmission, turn to the group listed opposite the assembly part number of your transmission.

A/N*	MODEL	GROUP	A/N*	MODEL	GROUP
6771074	CRT 3531-1	A	6775918	CRT 3531-3	B
6771321	CRT 3531-1	B	6775987	CRT 3531-1	A
6771392	CRT 3531-1	A	6776529	CRT 3531-1	A
6771647	CRT 3531-1	B	6776572	CRT 3531-1	B
6771924	CRT 3531-1	A	6776606	CRT 3531-1	A
6771940	CRT 3531-1	A	6776607	CRT 3531-1	C
6772034	CRT 3531-1	A	6776642	CRT 3531-3	B
6772118	CRT 3531-1	A	6776755	CRT 3531-1	A
6772456	CRT 3531-1	A	6776814	CRT 3531-1	A
6773267	CRT 3531-3	A	6776956	CRT 3531-1	B
6773297	CRT 3531-1	B	6776986	CRT 3531-1	A
6773323	CRT 3531-3	B	6777038	CRT 3531-1	D
6773505	CRT 3531-1	B	6777038	CRT 3630-1	D
6773629	CRT 3531-1	A	6777039	CRT 3531-3	A
6773706	CRT 3531-3	B	6777118	CRT 3531-1	A
6773852	CRT 3531-1	A	6777129	CRT 3531-1	A
6773937	CRT 3531-1	B	6777130	CRT 3531-1	D
6774041	CRT 3531-1	B	6777130	CRT 3630-1	D
6774047	CRT 3531-1	A	6777153	CRT 3531-3	A
6774275	CRT 3531-1	A	6777154	CRT 3531-1	A
6774330	CRT 3531-3	A	6777232	CRT 3531-3	A
6774641	CRT 3531-3	B	6777444	CRT 3531-1	A
6774669	CRT 3531-1	A	6777569	CRT 3531-1	A
6774699	CRT 3531-1	A	6777695	CRT 3531-1	B
6774741	CRT 3531-3	B	6777794	CRT 3531-1	A
6774875	CRT 3531-1	A	6777946	CRT 3531-1	A
6775537	CRT 3531-1	B	6778140	CRT 3630-1	D
6775552	CRT 3531-1	B	6778207	CRT 3531-1	A
6775826	CRT 3531-1	A	6778370	CRT 3531-3	A
6775917	CRT 3531-3	A			

*A/N (Assembly number) found on your transmission name plate.

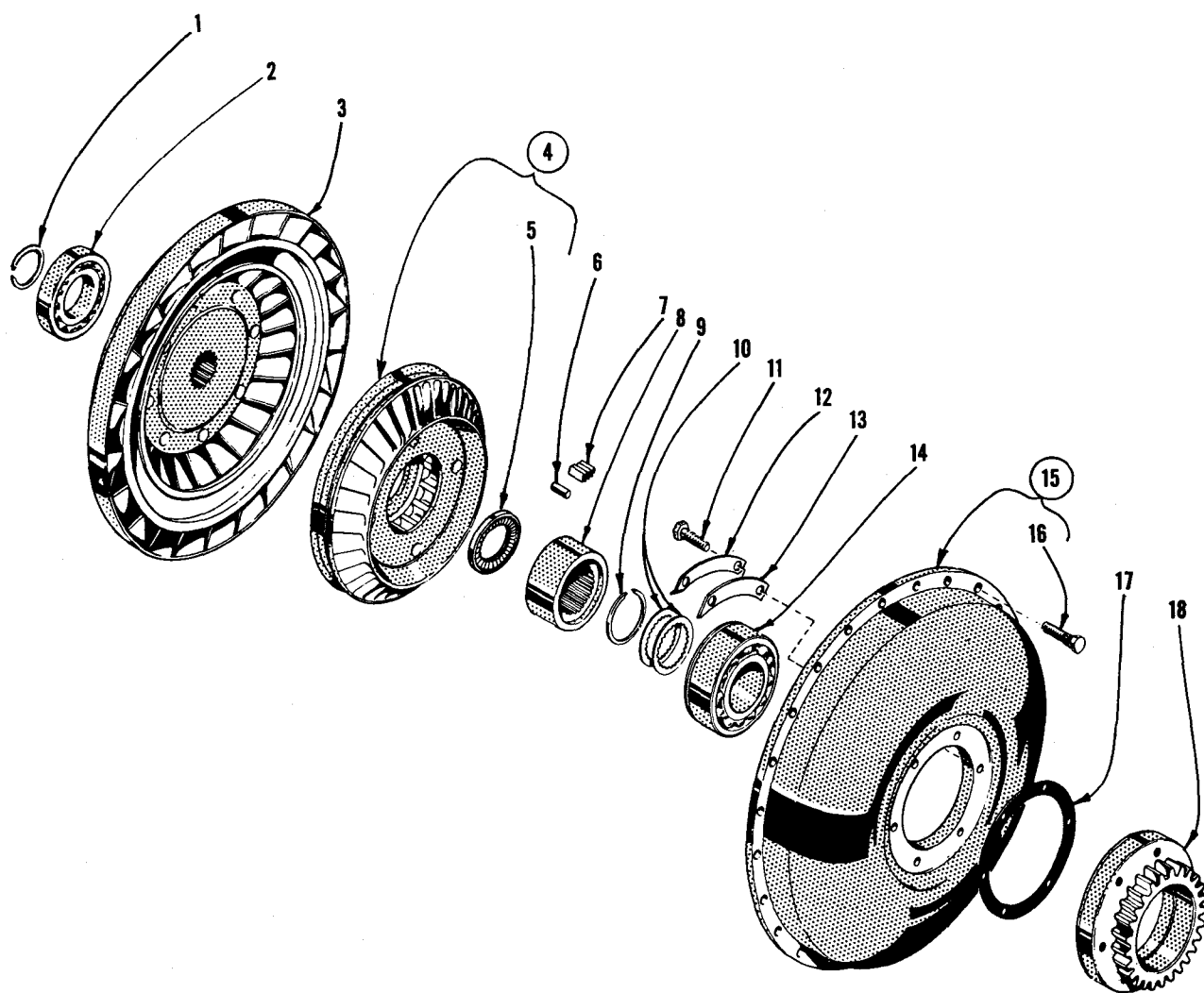


FIG IV. TORQUE CONVERTER, EXPLODED VIEW

GROUP A
TORQUE CONVERTER, Figure IV

REF	NOMENCLATURE	PART NO	REQ
1	RING, External snap	6770919	1
2	BEARING, Single row ball (ND 3L10XR1A)	903010	1
3	TURBINE	6770885	1
4	STATOR ASSY, Torque converter (Prior to S/N 34914 also use 10 ROLLERS, P/N 6774968 and 10 SPRINGS, P/N 6774966)	6774962	1
5	BEARING, Needle roller thrust (Hyatt AFB-29009)	9417499	1
6	ROLLER, Freewheel (Prior to S/N 34914 use P/N 6769987. Starting with S/N 34914 use P/N 6774968)	6774968	10
7	SPRING, Freewheel roller (Prior to S/N 34914 use P/N 6772109. Starting with S/N 34914 use P/N 6774966.)	6774966	10
8	RACE, Freewheel roller.	6774847	1
9	RING, External snap	6755897	1
10	SPACER, Freewheel roller race	6759967	2
11	BOLT, Hx hd, self-locking, 5/16-24 x 1 1/4 . .	9409021	6
12	STRIP, Tab lock	6770882	3
13	RETAINER, Bearing	6770881	3
14	BEARING, Double row ball (MRC 5309-G-2)	9417967	1
15	PUMP ASSY (TC-350 Converter performance). . . .	6774608	1
16	BOLT, Spec, 5/16-24 x 1.30	6755988	24
17	GASKET, Drive gear.	6770888	1
18	GEAR, Accessory drive	6770898	1

GROUP B
TORQUE CONVERTER Figure IV
Same as Group A, except for parts listed below.

15	PUMP ASSY (TC-370 Converter performance). . . .	6774612	1
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GROUP C
TORQUE CONVERTER, Figure IV
Same as Group A, except for parts listed below.

15	PUMP ASSY (TC 360 Converter performance). . . .	6776830	1
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GROUP D
TORQUE CONVERTER, Figure IV
Same as Group A, except for parts listed below.

3	TURBINE (TC 340 Converter performance).	6777376	1
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OIL COOLER, IMPLEMENT PUMP DRIVE AND WET OR DRY CONVERTER HOUSING GROUP

To find detail parts for your Allison Torqmatic Transmission, turn to the group listed opposite the assembly part number of your transmission.

A/N*	MODEL	GROUP	A/N*	MODEL	GROUP
6771074	CRT 3531-1	A	6775918	CRT 3531-3	B
6771321	CRT 3531-1	A	6775987	CRT 3531-1	B
6771392	CRT 3531-1	C	6776529	CRT 3531-1	A
6771647	CRT 3531-1	C	6776572	CRT 3531-1	C
6771924	CRT 3531-1	D	6776606	CRT 3531-1	D
6771940	CRT 3531-1	A	6776607	CRT 3531-1	A
6772034	CRT 3531-1	B	6776642	CRT 3531-3	B
6772118	CRT 3531-1	A	6776755	CRT 3531-1	C
6772456	CRT 3531-1	A	6776814	CRT 3531-1	C
6773267	CRT 3531-3	C	6776956	CRT 3531-1	C
6773297	CRT 3531-1	C	6776986	CRT 3531-1	C
6773323	CRT 3531-3	B	6777038	CRT 3531-1	C
6773505	CRT 3531-1	C	6777038	CRT 3630-1	C
6773629	CRT 3531-1	C	6777039	CRT 3531-3	D
6773706	CRT 3531-3	B	6777118	CRT 3531-1	D
6773852	CRT 3531-1	D	6777129	CRT 3531-1	C
6773937	CRT 3531-1	A	6777130	CRT 3531-1	C
6774041	CRT 3531-1	A	6777130	CRT 3630-1	C
6774047	CRT 3531-1	A	6777153	CRT 3531-3	C
6774275	CRT 3531-1	A	6777154	CRT 3531-1	A
6774330	CRT 3531-3	C	6777232	CRT 3531-3	B
6774641	CRT 3531-3	B	6777444	CRT 3531-1	C
6774669	CRT 3531-1	A	6777569	CRT 3531-1	B
6774699	CRT 3531-1	A	6777695	CRT 3531-1	C
6774741	CRT 3531-3	C	6777794	CRT 3531-1	A
6774875	CRT 3531-1	D	6777946	CRT 3531-1	A
6775537	CRT 3531-1	B	6778140	CRT 3630-1	C
6775552	CRT 3531-1	B	6778207	CRT 3531-1	B
6775826	CRT 3531-1	A	6778370	CRT 3531-3	C
6775917	CRT 3531-3	C			

* A/N (Assembly number) found on your transmission name plate.

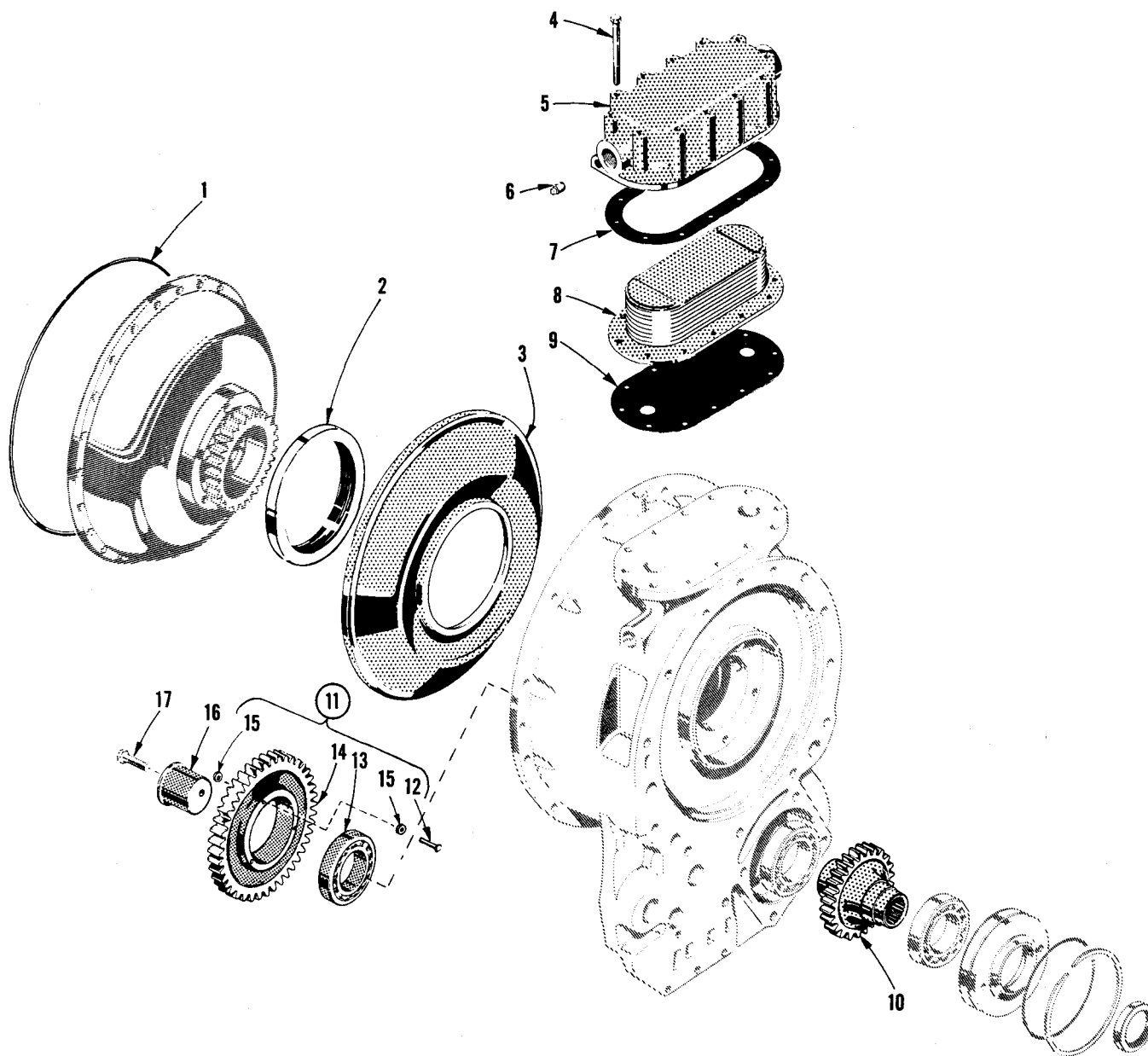


FIG V. OIL COOLER, IMPLEMENT PUMP DRIVE AND WET OR DRY CONVERTER HOUSING, EXPLODED VIEW

GROUP A

OIL COOLER, IMPLEMENT PUMP DRIVE AND WET CONVERTER HOUSING, Figure V

REF	NOMENCLATURE	PART NO	REQ
1-9	Not used in this group.		
10	GEAR, Charging oil pump drive	6769584	1
11	GEAR ASSY, Accessory drive idler	6773857	1
12	RIVET.	6773842	3
13	BEARING, Single row ball (ND 1210)	901210	1
14	GEAR, Accessory drive idler.	6773858*	1
15	WASHER (When replacing BEARING P/N 901210 in GEAR P/N 6772567 with a bearing retaining flange inside gear bore use only 3 WASHERS P/N 6773859. See SIL 584)	6773859	6
16	SPINDLE, Accessory drive idler	6759480	1
17	BOLT, Hx hd, self-locking, 7/16-14 x 1 3/4	9409513	1

GROUP B

OIL COOLER, IMPLEMENT PUMP DRIVE AND DRY CONVERTER HOUSING, Figure V
Same as Group A except for parts listed below.

1	RING, Converter seal, square cross section.	6753866	1
2	SEAL, Diaphragm lip type oil.	6771273	1
3	DIAPHRAGM	6769681	1
4	BOLT, Hex hd, 5/16-18 x 3 3/4	186271	12
5	COVER, Oil cooler	6755488	1
6	PLUG, 1/4 NPTF	444576	1
7	GASKET, Oil cooler cover	6754299	1
8	CORE ASSY, Oil cooler	8522609	1
9	GASKET, Oil cooler	6754314	1

GROUP C

OIL COOLER, IMPLEMENT PUMP DRIVE AND DRY CONVERTER HOUSING, Figure V
Same as Group B, except for parts listed below.

4-9 Not used in this group.

GROUP D

OIL COOLER, IMPLEMENT PUMP DRIVE AND WET CONVERTER HOUSING, Figure V
Same as Group B, except for parts listed below.

1-3 Not used in this group.

* Serviced as an assy only - not as a detail part.

TORQUE CONVERTER HOUSING GROUP

To find detail parts for your Allison Torqmatic Transmission, turn to the group listed opposite the assembly part number of your transmission.

A/N*	MODEL	GROUP	A/N*	MODEL	GROUP
6771074	CRT 3531-1	C	6775918	CRT 3531-3	B
6771321	CRT 3531-1	A	6775987	CRT 3531-1	A
6771392	CRT 3531-1	A	6776529	CRT 3531-1	A
6771647	CRT 3531-1	A	6776572	CRT 3531-1	A
6771924	CRT 3531-1	A	6776606	CRT 3531-1	A
6771940	CRT 3531-1	A	6776607	CRT 3531-1	A
6772034	CRT 3531-1	A	6776642	CRT 3531-3	B
6772118	CRT 3531-1	A	6776755	CRT 3531-1	A
6772456	CRT 3531-1	A	6776814	CRT 3531-1	A
6773267	CRT 3531-3	B	6776956	CRT 3531-1	A
6773297	CRT 3531-1	A	6776986	CRT 3531-1	A
6773323	CRT 3531-3	B	6777038	CRT 3531-1	A
6773505	CRT 3531-1	A	6777038	CRT 3630-1	A
6773629	CRT 3531-1	A	6777039	CRT 3531-3	B
6773706	CRT 3531-3	D	6777118	CRT 3531-1	A
6773852	CRT 3531-1	A	6777129	CRT 3531-1	A
6773937	CRT 3531-1	A	6777130	CRT 3531-1	A
6774041	CRT 3531-1	A	6777130	CRT 3630-1	A
6774047	CRT 3531-1	C	6777153	CRT 3531-3	B
6774275	CRT 3531-1	A	6777154	CRT 3531-1	A
6774330	CRT 3531-3	B	6777232	CRT 3531-3	B
6774641	CRT 3531-3	B	6777444	CRT 3531-1	A
6774669	CRT 3531-1	A	6777569	CRT 3531-1	A
6774699	CRT 3531-1	C	6777695	CRT 3531-1	A
6774741	CRT 3531-3	B	6777794	CRT 3531-1	A
6774875	CRT 3531-1	A	6777946	CRT 3531-1	A
6775537	CRT 3531-1	A	6778140	CRT 3630-1	A
6775552	CRT 3531-1	E	6778207	CRT 3531-1	A
6775826	CRT 3531-1	C	6778370	CRT 3531-3	B
6775917	CRT 3531-3	B			

* A/N (Assembly number) found on your transmission name plate.

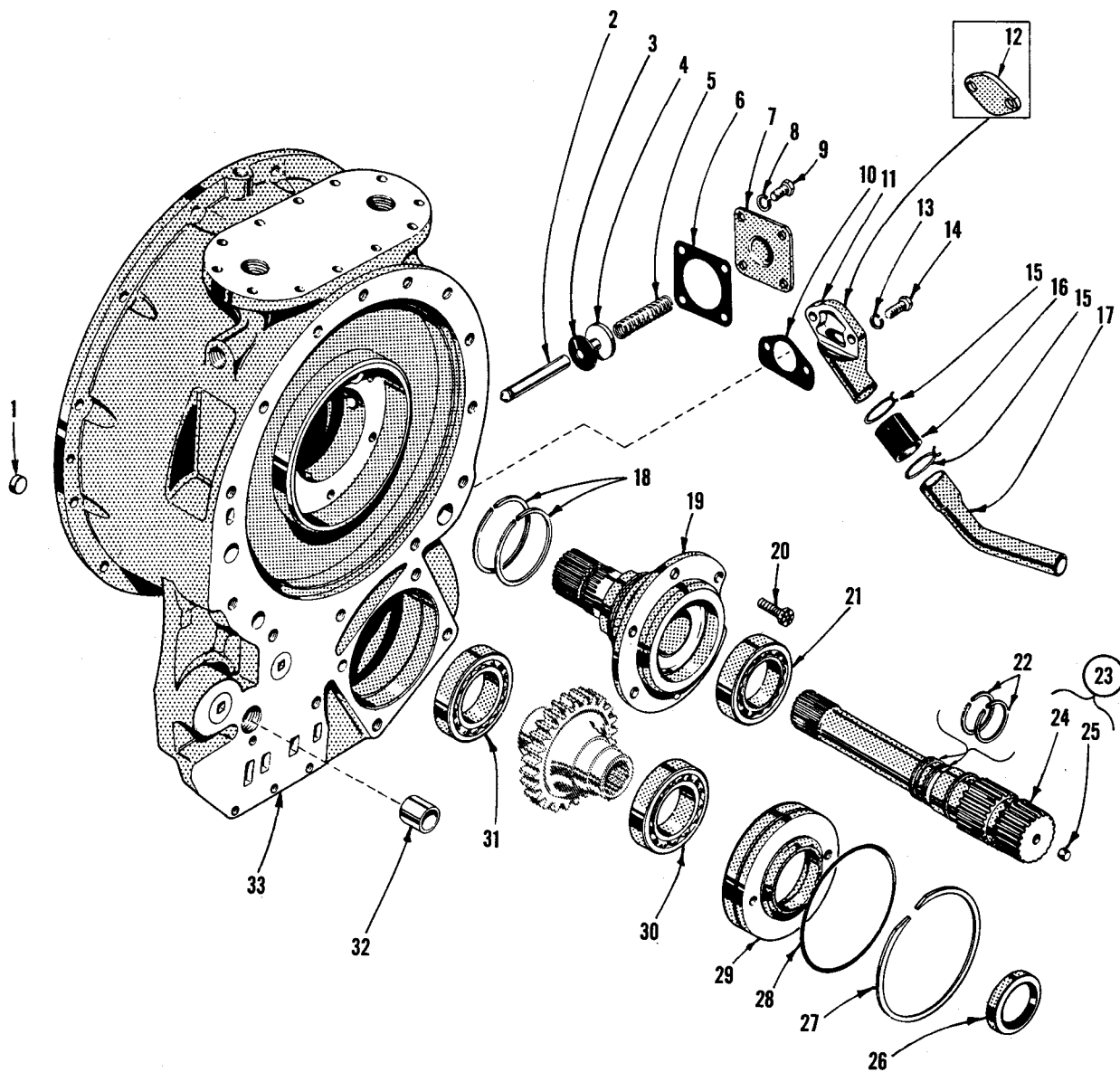


FIG VI. TORQUE CONVERTER HOUSING, EXPLODED VIEW

GROUP A
TORQUE CONVERTER HOUSING, Figure VI

REF	NOMENCLATURE	PART NO	REQ
1	PLUG, Expansion	6758042	1
2	PIN, Lube pressure regulator valve guide . . .	6755403	1
3	WASHER, Lube pressr regltr valve (Prior to S/N 27719 use P/N 6771323, yellow dot. Starting with S/N 27719 use P/N 6774497, green dot)	6774497	1
4	VALVE, Lube pressr regltr (Prior to S/N 27719 also order WASHER 6774497)	6774188	1
5	SPRING, Lube presr regltr valve, 21.5 coils, .487 ID, .0842-.0872 wire dia	6772661	1
6	GASKET, Valve cover	6755378	1
7	COVER, Valve	6758216	1
8	WASHER, Lock, 3/8	103321	4
9	BOLT, Hx hd, 3/8-16 x 3/4	179837	4
10	GASKET, Drain tube flange	6759547	1
11	FLANGE, Drain tube	6758236	1
12	Not used in this group.		
13	WASHER, Lock, 3/8	103321	2
14	BOLT, Hx hd, 3/8-16 x 2 1/2	179843	2
15	CLAMP, Drain tube hose, type "E"	272858	2
16	HOSE, Drain tube	6758235	1
17	TUBE, Drain	6758237	1
18	RING, Hook-type seal.	8347398	2
19	SLEEVE, Converter ground	6770902	1
20	BOLT, Hx hd, self-locking, 3/8-16 x 7/8	9409079	6
21	BEARING, Single row ball (ND 3209XR1A).	903209	1
22	RING, Hook-type seal.	6770887	2
23	SHAFT ASSY, Torque converter	6773855	1
24	SHAFT, Torque converter	6773844*	1
25	PLUG, Lube orifice (Use 6758391 prior to S/N 18116. Starting with S/N 18116 use 6756030)	6756030	1
26	SEAL, Lip type oil.	6769590	1
27	RING, Internal snap	6759541	1
28	RING, "O" ring type retainer seal	6764780	1
29	RETAINER, Bearing	6769585	1
30	BEARING, Single row ball (ND 3209XR1A).	903209	1
31	BEARING, Single row ball (ND 3209XR1A).	903209	1
32	TUBE, Oil transfer.	6769851	1
33	HOUSING ASSY, Converter	6769910	1

* Serviced as an assy only - not as a detail part.

GROUP B

TORQUE CONVERTER HOUSING, Figure VI

Same as Group A, except for parts listed below.

REF	NOMENCLATURE	PART NO	REQ
11	Not used in this group.		
12	COVER, Converter housing drain	6758125	1
14	BOLT, Hx hd, 3/8-16 x 7/8	179838	2
15-17	Not used in this group.		

GROUP C

TORQUE CONVERTER HOUSING, Figure VI

Same as Group A, except for parts listed below.

32	Not used in this group.
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GROUP D

TORQUE CONVERTER HOUSING, Figure VI

Same as Group B, except for parts listed below.

26	Not used in this group.
28	Not used in this group.

GROUP E

TORQUE CONVERTER HOUSING, Figure VI

Same as Group A, except for parts listed below.

26	Not used in this group.
28	Not used in this group.

REVERSE PLANETARY AND CLUTCH GROUP

To find detail parts for your Allison Torqmatic Transmission, turn to the group listed opposite the assembly part number of your transmission.

A/N*	MODEL	GROUP	A/N*	MODEL
6771074	CRT 3531-1	A	6775918	CRT 3531-3
6771321	CRT 3531-1	A	6775987	CRT 3531-1
6771392	CRT 3531-1	A	6776529	CRT 3531-1
6771647	CRT 3531-1	A	6776572	CRT 3531-1
6771924	CRT 3531-1	A	6776606	CRT 3531-1
6771940	CRT 3531-1	A	6776607	CRT 3531-1
6772034	CRT 3531-1	A	6776642	CRT 3531-3
6772118	CRT 3531-1	A	6776755	CRT 3531-1
6772456	CRT 3531-1	A	6776814	CRT 3531-1
6773267	CRT 3531-3	A	6776956	CRT 3531-1
6773297	CRT 3531-1	A	6776986	CRT 3531-1
6773323	CRT 3531-3	A	6777038	CRT 3531-1
6773505	CRT 3531-1	A	6777038	CRT 3630-1
6773629	CRT 3531-1	A	6777039	CRT 3531-3
6773706	CRT 3531-3	A	6777118	CRT 3531-1
6773852	CRT 3531-1	A	6777129	CRT 3531-1
6773937	CRT 3531-1	A	6777130	CRT 3531-1
6774041	CRT 3531-1	A	6777130	CRT 3630-1
6774047	CRT 3531-1	A	6777153	CRT 3531-3
6774275	CRT 3531-1	A	6777154	CRT 3531-1
6774330	CRT 3531-3	A	6777232	CRT 3531-3
6774641	CRT 3531-3	A	6777444	CRT 3531-1
6774669	CRT 3531-1	A	6777569	CRT 3531-1
6774699	CRT 3531-1	A	6777695	CRT 3531-1
6774741	CRT 3531-3	A	6777794	CRT 3531-1
6774875	CRT 3531-1	A	6777946	CRT 3531-1
6775537	CRT 3531-1	A	6778140	CRT 3630-1
6775552	CRT 3531-1	A	6778207	CRT 3531-1
6775826	CRT 3531-1	A	6778370	CRT 3531-3
6775917	CRT 3531-3	A		

* A/N (Assembly number) found on your transmission name plate.

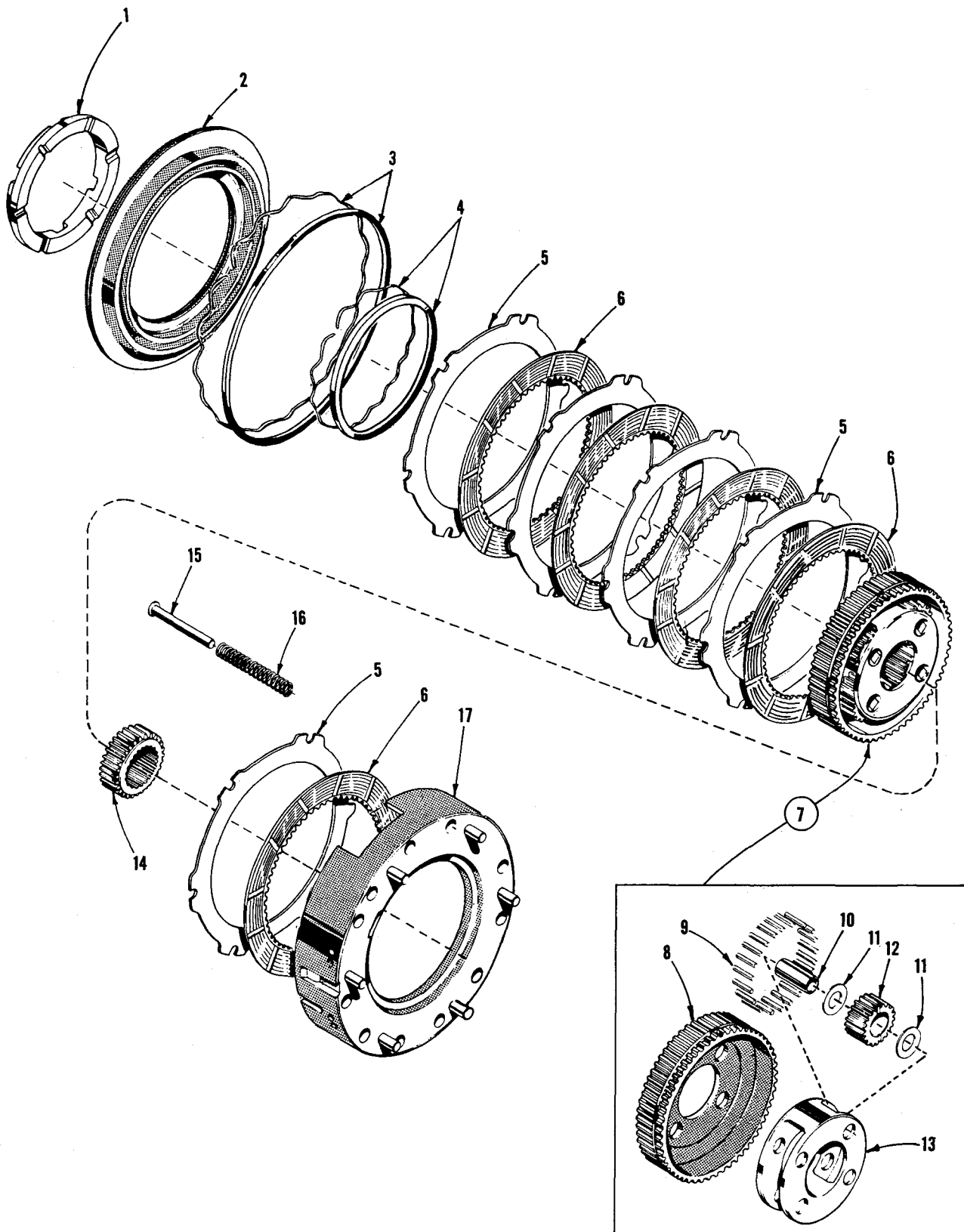


FIG VII. REVERSE PLANETARY AND CLUTCH, EXPLODED VIEW

GROUP A
REVERSE PLANETARY AND CLUTCH, Figure VII

REF	NOMENCLATURE	PART NO	REQ
1	SPACER	6768450	1
2	PISTON, Clutch apply	6768445	1
3	KIT, Reverse clu piston outer seal ring (Consists of 1 Seal ring P/N 6774343, 1 Expander P/N 6776745 and instruction sheet)	6776995	1
4	KIT, Reverse clu piston inner seal ring (Consists of 1 Sealring P/N 6774344, 1 Expander P/N 6776750 and instruction sheet)	6776998	1
5	PLATE, External splined clutch	6759504	5
6	PLATE, Internal splined reverse clutch (When replacing P/N 6775541 with P/N 6768446 use 5 plates. Do not intermix old plates with the new in this clutch pack)	6768446	5
7	CARRIER ASSY, Reverse planetary	6773610	1
8	HUB, Reverse planetary	6773609	1
9	ROLLER, Planetary pinion	6700213	88
10	PIN, Planetary spindle	6757152	4
11	WASHER, Pinion thrust	6756586	8
12	PINION, Plnt (Matched set of 4).	6769716	1 set
13	CARRIER, Planetary	6757189	1
14	GEAR, Forward sun	6770868	1
15	PIN, Spring guide	6768988	12
16	SPRING, Forward and reverse clutch piston return, 37.5 coils, .625 OD, .103-.107 wire dia (Do not mix SPRING 6775437 with older springs in these clutches)	6775437	12
17	ANCHOR, Forward and reverse	6769560	1

FORWARD PLANETARY AND CLUTCH GROUP

To find detail parts for your Allison Torqmatic Transmission, turn to the group listed opposite the assembly part number of your transmission.

A/N*	MODEL	GROUP	A/N*	MODEL	GROUP
6771074	CRT 3531-1	A	6775918	CRT 3531-3	A
6771321	CRT 3531-1	A	6775987	CRT 3531-1	A
6771392	CRT 3531-1	A	6776529	CRT 3531-1	A
6771647	CRT 3531-1	A	6776572	CRT 3531-1	A
6771924	CRT 3531-1	A	6776606	CRT 3531-1	A
6771940	CRT 3531-1	A	6776607	CRT 3531-1	A
6772034	CRT 3531-1	A	6776642	CRT 3531-3	A
6772118	CRT 3531-1	A	6776755	CRT 3531-1	A
6772456	CRT 3531-1	A	6776814	CRT 3531-1	A
6773267	CRT 3531-3	A	6776956	CRT 3531-1	A
6773297	CRT 3531-1	A	6776986	CRT 3531-1	A
6773323	CRT 3531-3	A	6777038	CRT 3531-1	A
6773505	CRT 3531-1	A	6777038	CRT 3630-1	A
6773629	CRT 3531-1	A	6777039	CRT 3531-3	A
6773706	CRT 3531-3	A	6777118	CRT 3531-1	A
6773852	CRT 3531-1	A	6777129	CRT 3531-1	A
6773937	CRT 3531-1	A	6777130	CRT 3531-1	A
6774041	CRT 3531-1	A	6777130	CRT 3630-1	A
6774047	CRT 3531-1	A	6777153	CRT 3531-3	A
6774275	CRT 3531-1	A	6777154	CRT 3531-1	A
6774330	CRT 3531-3	A	6777232	CRT 3531-3	A
6774641	CRT 3531-3	A	6777444	CRT 3531-1	A
6774669	CRT 3531-1	A	6777569	CRT 3531-1	A
6774699	CRT 3531-1	A	6777695	CRT 3531-1	A
6774741	CRT 3531-3	A	6777794	CRT 3531-1	A
6774875	CRT 3531-1	A	6777946	CRT 3531-1	A
6775537	CRT 3531-1	A	6778140	CRT 3630-1	A
6775552	CRT 3531-1	A	6778207	CRT 3531-1	A
6775826	CRT 3531-1	A	6778370	CRT 3531-3	A
6775917	CRT 3531-3	A			

*A/N (Assembly number) found on your transmission name plate.

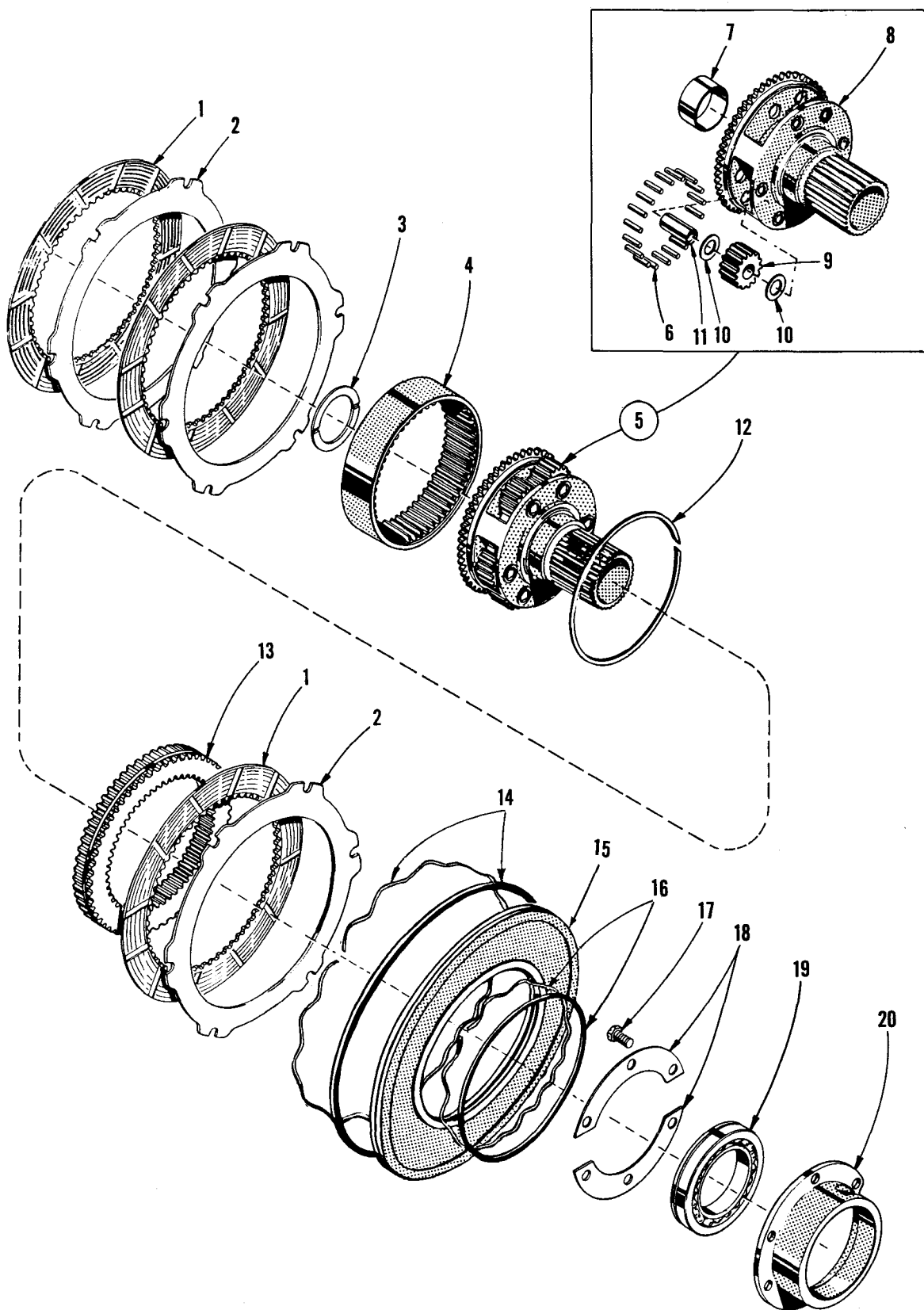


FIG VIII. FORWARD PLANETARY AND CLUTCH, EXPLODED VIEW

GROUP A
FORWARD PLANETARY AND CLUTCH, Figure VIII

REF	NOMENCLATURE	PART NO	REQ
1	PLATE, Internal splined forward clutch (When replacing P/N 6775541 with P/N 6768446 use 3 plates. Do not intermix old plates with the new in this clutch pack)	6768446	3
2	PLATE, External splined forward clutch	6759504	3
3	WASHER, Thrust	6757233	1
4	GEAR, Reverse ring	6757164	1
5	CARRIER ASSY, Forward planetary	6770897	1
6	ROLLER, Planetary pinion	6754867	120
7	BUSHING	6757227	1
8	CARRIER, Forward planetary	6770890	1
9	PINION, Forward plnt (Matched set of 6).	6769715	1 set
10	WASHER, Pinion thrust	6754866	12
11	PIN, Planetary spindle	6754852	6
12	RING, Internal snap	6755007	1
13	GEAR, Forward ring	6768804	1
14	KIT, Fwd clu piston outer seal ring (Consists of 1 Sealring P/N 6774343, 1 Expander P/N 6776745 and instruction sheet)	6776995	1
15	PISTON, Forward clutch apply	6768445	1
16	KIT, Fwd clu piston inner seal ring (Consists of 1 Sealring P/N 6774344, 1 Expander P/N 6776750 and instruction sheet)	6776998	1
17	BOLT, Hx hd, self-locking, 3/8-16 x 7/8	9409079	4
18	RETAINER, Bearing	6757157	2
19	BEARING, Single row ball (ND 43L14X1241A)	954924	1
20	HUB, Oil transfer	6757148	1

TRANSMISSION HOUSING GROUP

To find detail parts for your Allison Torqmatic Transmission, turn to the group listed opposite the assembly part number of your transmission.

A/N*	MODEL	GROUP	A/N*	MODEL	GROUP
6771074	CRT 3531-1	A	6775918	CRT 3531-3	A
6771321	CRT 3531-1	A	6775987	CRT 3531-1	A
6771392	CRT 3531-1	A	6776529	CRT 3531-1	A
6771647	CRT 3531-1	A	6776572	CRT 3531-1	A
6771924	CRT 3531-1	A	6776606	CRT 3531-1	A
6771940	CRT 3531-1	A	6776607	CRT 3531-1	A
6772034	CRT 3531-1	A	6776642	CRT 3531-3	A
6772118	CRT 3531-1	A	6776755	CRT 3531-1	A
6772456	CRT 3531-1	A	6776814	CRT 3531-1	A
6773267	CRT 3531-3	A	6776956	CRT 3531-1	A
6773297	CRT 3531-1	A	6776986	CRT 3531-1	A
6773323	CRT 3531-3	A	6777038	CRT 3531-1	A
6773505	CRT 3531-1	A	6777038	CRT 3630-1	A
6773629	CRT 3531-1	A	6777039	CRT 3531-3	A
6773706	CRT 3531-3	A	6777118	CRT 3531-1	A
6773852	CRT 3531-1	A	6777129	CRT 3531-1	A
6773937	CRT 3531-1	A	6777130	CRT 3531-1	A
6774041	CRT 3531-1	A	6777130	CRT 3630-1	A
6774047	CRT 3531-1	A	6777153	CRT 3531-3	A
6774275	CRT 3531-1	A	6777154	CRT 3531-1	A
6774330	CRT 3531-3	A	6777232	CRT 3531-3	A
6774641	CRT 3531-3	A	6777444	CRT 3531-1	A
6774669	CRT 3531-1	A	6777569	CRT 3531-1	A
6774699	CRT 3531-1	A	6777695	CRT 3531-1	A
6774741	CRT 3531-3	A	6777794	CRT 3531-1	A
6774875	CRT 3531-1	A	6777946	CRT 3531-1	A
6775537	CRT 3531-1	A	6778140	CRT 3630-1	A
6775552	CRT 3531-1	A	6778207	CRT 3531-1	A
6775826	CRT 3531-1	A	6778370	CRT 3531-3	A
6775917	CRT 3531-3	A			

*A/N (Assembly number) found on your transmission name plate.

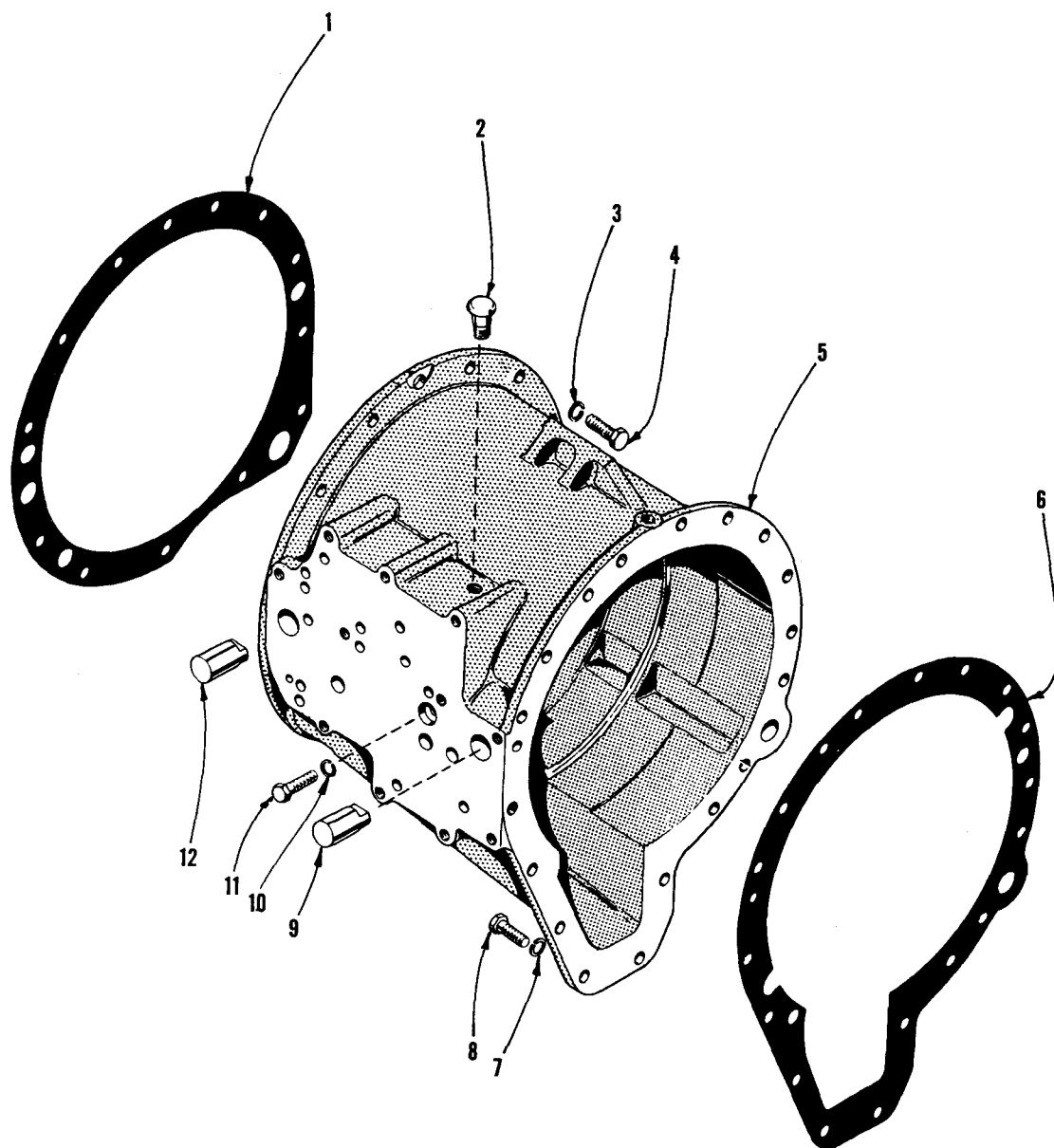


FIG IX. TRANSMISSION HOUSING, EXPLODED VIEW

GROUP A
TRANSMISSION HOUSING, Figure IX

REF	NOMENCLATURE	PART NO	REQ
1	GASKET, Converter housing	6757178	1
2	BREATHER	6769936	1
3	WASHER, Lock, 7/16	103322	13
4	BOLT, Hx hd, 7/16-14 x 1 3/8	179861	13
5	HOUSING, Transmission	6759513	1
6	GASKET, Trns hsng	6757219	1
7	WASHER, Lock, 7/16	103322	18
8	BOLT, Hx hd, 7/16-14 x 1 3/8	179861	18
9	PIN, Low & high range clutch anchor	6769558	1
10	WASHER, Lock, 3/8	103321	1
11	BOLT, Hx hd, 3/8-16 x 1 1/2 (high range clu).	186628	1
12	PIN, Forward & reverse range clu anchor	6769558	1

INTERMEDIATE-RANGE CLUTCH AND TRANSMISSION MAIN SHAFT GROUP

To find detail parts for your Allison Torqmatic Transmission, turn to the group listed opposite the assembly part number of your transmission.

A/N*	MODEL	GROUP	A/N*	MODEL	GROUP
6771074	CRT 3531-1	A	6775918	CRT 3531-3	B
6771321	CRT 3531-1	A	6775987	CRT 3531-1	A
6771392	CRT 3531-1	A	6776529	CRT 3531-1	A
6771647	CRT 3531-1	A	6776572	CRT 3531-1	A
6771924	CRT 3531-1	A	6776606	CRT 3531-1	A
6771940	CRT 3531-1	A	6776607	CRT 3531-1	A
6772034	CRT 3531-1	A	6776642	CRT 3531-3	B
6772118	CRT 3531-1	A	6776755	CRT 3531-1	A
6772456	CRT 3531-1	A	6776814	CRT 3531-1	A
6773267	CRT 3531-3	B	6776956	CRT 3531-1	A
6773297	CRT 3531-1	C	6776986	CRT 3531-1	A
6773323	CRT 3531-3	B	6777038	CRT 3531-1	A
6773505	CRT 3531-1	C	6777038	CRT 3630-1	A
6773629	CRT 3531-1	A	6777039	CRT 3531-3	B
6773706	CRT 3531-3	B	6777118	CRT 3531-1	A
6773852	CRT 3531-1	A	6777129	CRT 3531-1	A
6773937	CRT 3531-1	A	6777130	CRT 3531-1	A
6774041	CRT 3531-1	A	6777130	CRT 3630-1	A
6774047	CRT 3531-1	A	6777153	CRT 3531-3	B
6774275	CRT 3531-1	A	6777154	CRT 3531-1	A
6774330	CRT 3531-3	B	6777232	CRT 3531-3	B
6774641	CRT 3531-3	B	6777444	CRT 3531-1	A
6774669	CRT 3531-1	A	6777569	CRT 3531-1	A
6774699	CRT 3531-1	A	6777695	CRT 3531-1	A
6774741	CRT 3531-3	B	6777794	CRT 3531-1	A
6774875	CRT 3531-1	C	6777946	CRT 3531-1	A
6775537	CRT 3531-1	A	6778140	CRT 3630-1	A
6775552	CRT 3531-1	A	6778207	CRT 3531-1	C
6775826	CRT 3531-1	A	6778370	CRT 3531-3	B
6775917	CRT 3531-3	B			

*A/N (Assembly number) found on your transmission name plate.

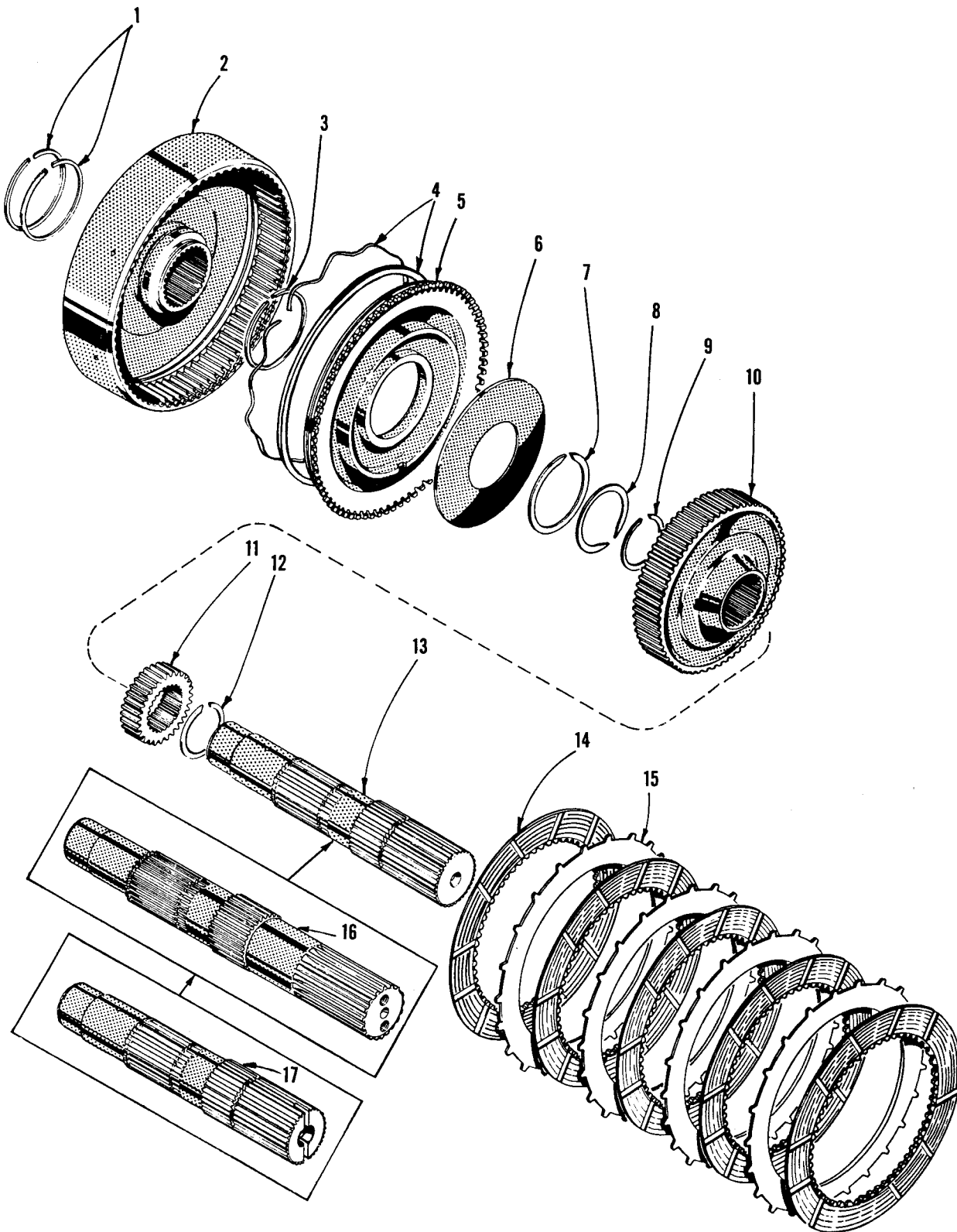


FIG X. INTERMEDIATE-RANGE CLUTCH AND TRANSMISSION
MAIN SHAFT, EXPLODED VIEW

GROUP A
INTERMEDIATE-RANGE CLUTCH AND TRANSMISSION MAIN SHAFT, Figure X

REF	NOMENCLATURE	PART NO	REQ
1	RING, Hook type seal.	6757229	2
2	DRUM, Intermediate range clutch	6771337	1
3	RING, Hook type piston inner seal	6757229	1
4	KIT, Intermediate clutch piston outer seal ring (Consists of 1 Sealring P/N 6775127, 1 Expander P/N 6776746 and in struction sheet)	6776996	1
5	PISTON, Intermediate clutch apply	6770894	1
6	SPRING, Piston belleville type return	6759491	1
7	RING, Spring retainer, external snap	6750337	1
8	RING, Drum retainer, external snap	6750259	1
9	RING, Hub retainer, external snap	6754815	1
10	HUB, Intermediate range clutch.	6777561	1
11	GEAR, High range sun	6754832	1
12	RING, Sun gear retainer, external snap	6754815	1
13	SHAFT, Transmission main planetary.	6778020	1
14	PLATE, Internal splined intermediate clutch (when replacing P/N 6775541 with P/N 6768446 use 5 plates. Do not intermix old plates with the new in this clutch pack)	6768446	5
15	PLATE, External splined clutch	6759509	4
16-17	Not used in this group.		

GROUP B
INTERMEDIATE-RANGE CLUTCH AND TRANSMISSION MAIN SHAFT, Figure X
Same as Group A, except for parts listed below.

13	Not used in this group.		
16	SHAFT, Transmission main.	6773272	1
17	Not used in this group.		

GROUP C
INTERMEDIATE-RANGE CLUTCH AND TRANSMISSION MAIN SHAFT, Figure X
Same as Group A, except for parts listed below.

13	Not used in this group.		
16	Not used in this group.		
17	SHAFT, Transmission main.	6773685	1

HIGH-RANGE PLANETARY AND CLUTCH GROUP

To find detail parts for your Allison Torqmatic Transmission, turn to the group listed opposite the assembly part number of your transmission.

A/N*	MODEL	GROUP	A/N*	MODEL	GROUP
6771074	CRT 3531-1	A	6775918	CRT 3531-3	A
6771321	CRT 3531-1	A	6775987	CRT 3531-1	A
6771392	CRT 3531-1	A	6776529	CRT 3531-1	A
6771647	CRT 3531-1	A	6776572	CRT 3531-1	A
6771924	CRT 3531-1	A	6776606	CRT 3531-1	A
6771940	CRT 3531-1	A	6776607	CRT 3531-1	A
6772034	CRT 3531-1	A	6776642	CRT 3531-3	A
6772118	CRT 3531-1	A	6776755	CRT 3531-1	A
6772456	CRT 3531-1	A	6776814	CRT 3531-1	A
6773267	CRT 3531-3	A	6776956	CRT 3531-1	A
6773297	CRT 3531-1	A	6776986	CRT 3531-1	A
6773323	CRT 3531-3	A	6777038	CRT 3531-1	B
6773505	CRT 3531-1	A	6777038	CRT 3630-1	B
6773629	CRT 3531-1	A	6777039	CRT 3531-3	A
6773706	CRT 3531-3	A	6777129	CRT 3531-1	A
6773852	CRT 3531-1	A	6777130	CRT 3531-1	B
6773937	CRT 3531-1	A	6777130	CRT 3630-1	B
6774041	CRT 3531-1	A	6777118	CRT 3531-1	A
6774047	CRT 3531-1	A	6777153	CRT 3531-3	A
6774275	CRT 3531-1	A	6777154	CRT 3531-1	A
6774330	CRT 3531-3	A	6777232	CRT 3531-3	A
6774641	CRT 3531-3	A	6777444	CRT 3531-1	A
6774669	CRT 3531-1	A	6777569	CRT 3531-1	A
6774699	CRT 3531-1	A	6777695	CRT 3531-1	A
6774741	CRT 3531-3	A	6777794	CRT 3531-1	A
6774875	CRT 3531-1	A	6777946	CRT 3531-1	A
6775537	CRT 3531-1	A	6778140	CRT 3630-1	B
6775552	CRT 3531-1	A	6778207	CRT 3531-1	A
6775826	CRT 3531-1	A	6778370	CRT 3531-3	A
6775917	CRT 3531-3	A			

* A/N (Assembly number) found on your transmission name plate.

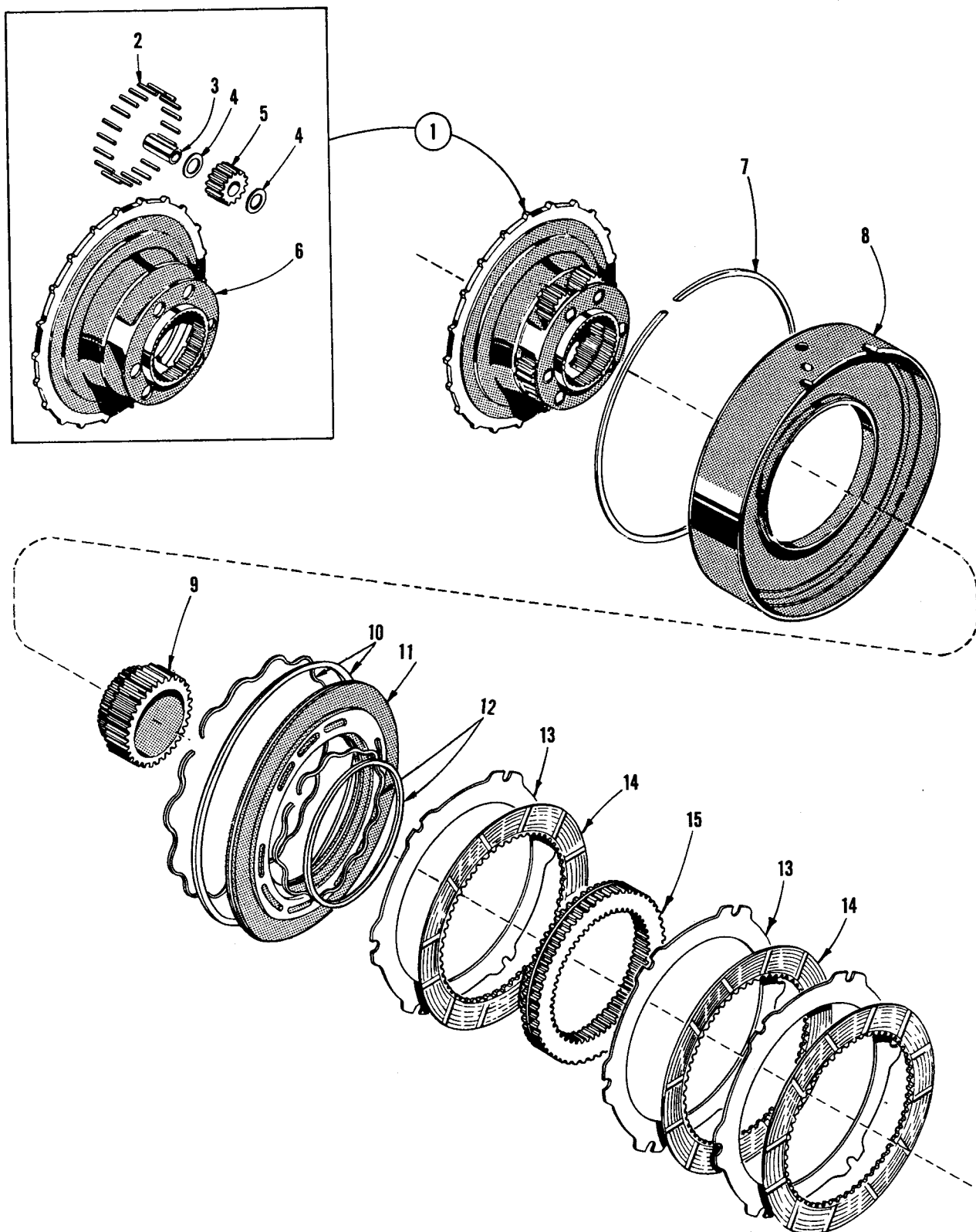


FIG XI. HIGH-RANGE PLANETARY AND CLUTCH, EXPLODED VIEW

GROUP A
HIGH-RANGE PLANETARY AND CLUTCH, Figure XI

REF	NOMENCLATURE	PART NO	REQ
1	CARRIER ASSY, High range clutch	6759519	1
2	ROLLER, Planetary pinion	6754867	120
3	PIN, Planetary pinion	6754852	6
4	WASHER, Pinion thrust	6754866	12
5	PINION, Plnt carrier (Matched set of 6). . .	6769715	1 set
6	CARRIER, High range	6759469	1
7	RING, Carrier retainer internal snap.	6773806	1
8	HOUSING, High range piston	6759473	1
9	GEAR, Low range sun	6759470	1
10	KIT, High clu piston outer seal ring (Consists of 1 Sealring P/N 6774343, 1 Expander P/N 6776745 and instruction sheet)	6776995	1
11	PISTON, High range clutch	6759471	1
12	KIT, High clu piston inner seal ring (Consists of 1 Sealring P/N 6774344, 1 Expander P/N 6776750 and instruction sheet)	6776998	1
13	PLATE, External splined clutch	6759504	3
14	PLATE, Internal splined high clutch (When replacing P/N 6775541 with P/N 6768446 use 3 plates. Do not intermix old plates with the new in this clutch pack)	6768446	3
15	GEAR, High range planetary ring	6768804	1

GROUP B
HIGH-RANGE PLANETARY AND CLUTCH, Figure XI
Same as Group A, except for parts listed below.

9	GEAR, Low-range planetary	6777365	1
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LOW RANGE PLANETARY AND CLUTCH GROUP

To find detail parts for your Allison Torqmatic Transmission, turn to the group listed opposite the assembly part number of your transmission.

A/N*	MODEL	GROUP	A/N*	MODEL	GROUP
6771074	CRT 3531-1	A	6775918	CRT 3531-3	B
6771321	CRT 3531-1	A	6775987	CRT 3531-1	A
6771392	CRT 3531-1	A	6776529	CRT 3531-1	A
6771647	CRT 3531-1	A	6776572	CRT 3531-1	A
6771924	CRT 3531-1	A	6776606	CRT 3531-1	A
6771940	CRT 3531-1	A	6776607	CRT 3531-1	A
6772034	CRT 3531-1	A	6776642	CRT 3531-3	B
6772118	CRT 3531-1	A	6776755	CRT 3531-1	A
6772456	CRT 3531-1	A	6776814	CRT 3531-1	A
6773267	CRT 3531-3	B	6776956	CRT 3531-1	A
6773297	CRT 3531-1	A	6776986	CRT 3531-1	A
6773323	CRT 3531-3	B	6777038	CRT 3531-1	C
6773505	CRT 3531-1	A	6777038	CRT 3630-1	C
6773629	CRT 3531-1	A	6777039	CRT 3531-3	B
6773706	CRT 3531-3	B	6777118	CRT 3531-1	A
6773852	CRT 3531-1	A	6777129	CRT 3531-1	A
6773937	CRT 3531-1	A	6777130	CRT 3531-1	C
6774041	CRT 3531-1	A	6777130	CRT 3630-1	C
6774047	CRT 3531-1	A	6777153	CRT 3531-3	B
6774275	CRT 3531-1	A	6777154	CRT 3531-1	A
6774330	CRT 3531-3	B	6777232	CRT 3531-3	B
6774641	CRT 3531-3	B	6777444	CRT 3531-1	A
6774669	CRT 3531-1	A	6777569	CRT 3531-1	A
6774699	CRT 3531-1	A	6777695	CRT 3531-1	A
6774741	CRT 3531-3	B	6777794	CRT 3531-1	A
6774875	CRT 3531-1	A	6777946	CRT 3531-1	A
6775537	CRT 3531-1	A	6778140	CRT 3630-1	C
6775552	CRT 3531-1	A	6778207	CRT 3531-1	A
6775826	CRT 3531-1	A	6778370	CRT 3531-3	B
6775917	CRT 3531-3	B			

*A/N (Assembly number) found on your transmission name plate.

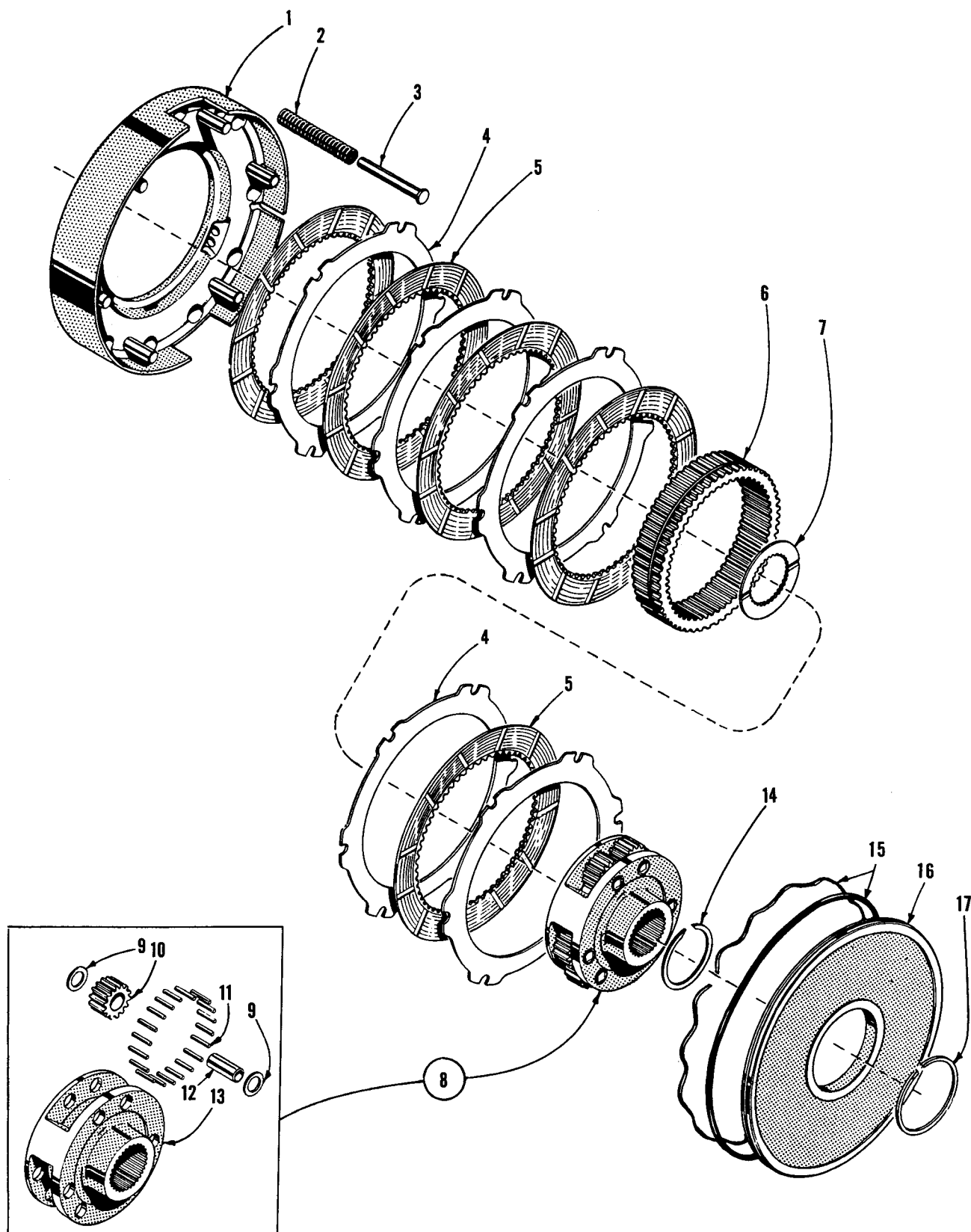


FIG XII. LOW-RANGE PLANETARY AND CLUTCH, EXPLODED VIEW

GROUP A
LOW-RANGE PLANETARY AND CLUTCH, Figure XII

REF	NOMENCLATURE	PART NO	REQ
1	ANCHOR, High and low range clutch	6769560	1
2	SPRING, High and low clutch piston return, 37.5 coils, .675 OD, .103-.107 wire dia (Do not mix SPRING 6775437 with older springs in these clutches)	6775437	12
3	PIN, Spring guide	6768988	12
4	PLATE, External splined low-range clutch . . .	6759504	5
5	PLATE, Internal splined low clutch (When replacing P/N 6775541 with P/N 6768446 use 5 plates. Do not intermix old plates with the new in this clutch pack)	6768446	5
6	GEAR, Low range planetary ring	6768805	1
7	WASHER, Thrust	6770896	1
8	CARRIER ASSY, Low range planetary	6770904	1
9	WASHER, Pinion thrust	6770955	12
10	PINION, Low range plnt (Matched set of 6) . .	6771478	1 set
11	ROLLER, Planetary pinion	6700213	96
12	PIN, Planetary pinion	6770953	6
13	CARRIER, Planetary	6770899	1
14	RING, Carrier retainer external snap	6750259	1
15	KIT, Low clutch piston outer seal ring (Consists of 1 Sealring P/N 6774343, 1 Expander P/N 6776745 and instruction sheet)	6776995	1
16	PISTON, Low range planetary	6759485	1
17	RING, Piston inner hook type seal	6757229	1

GROUP B
LOW-RANGE PLANETARY AND CLUTCH, Figure XII
Same as Group A, except for parts listed below.

14 Not used in this group.

GROUP C
LOW-RANGE PLANETARY AND CLUTCH, Figure XII
Same as Group A, except for parts listed below.

6	GEAR, Low range planetary ring	6777361	1
7	WASHER, Thrust	6777377	1
8	CARRIER ASSY, Low range planetary	6777363	1
9	WASHER, Pinion thrust	6777360	1
10	PINION, Low range plnt (Matched set of 6) . .	6777629	1 set
11	ROLLER, Planetary pinion	6700213	126
12	PIN, Planetary pinion	6777362	6
13	CARRIER, Planetary	6777364	1

TRANSFER GEAR HOUSING GROUP

To find detail parts for your Allison Torqmatic Transmission, turn to the group listed opposite the assembly part number of your transmission.

A/N*	MODEL	GROUP	A/N*	MODEL	GROUP
6771074	CRT 3531-1	C	6775987	CRT 3531-1	A
6771321	CRT 3531-1	C	6776529	CRT 3531-1	F
6771392	CRT 3531-1	B	6776572	CRT 3531-1	F
6771647	CRT 3531-1	F	6776606	CRT 3531-1	A
6771924	CRT 3531-1	C	6776607	CRT 3531-1	A
6771940	CRT 3531-1	C	6776755	CRT 3531-1	A
6772034	CRT 3531-1	C	6776814	CRT 3531-1	A
6772118	CRT 3531-1	C	6776956	CRT 3531-1	F
6772456	CRT 3531-1	C	6776986	CRT 3531-1	A
6773297	CRT 3531-1	D	6777038	CRT 3531-1	A
6773505	CRT 3531-1	E	6777038	CRT 3630-1	A
6773629	CRT 3531-1	C	6777118	CRT 3531-1	A
6773852	CRT 3531-1	A	6777129	CRT 3531-1	A
6773937	CRT 3531-1	A	6777130	CRT 3531-1	A
6774041	CRT 3531-1	F	6777130	CRT 3630-1	A
6774047	CRT 3531-1	A	6777154	CRT 3531-1	A
6774275	CRT 3531-1	A	6777444	CRT 3531-1	A
6774669	CRT 3531-1	A	6777569	CRT 3531-1	A
6774699	CRT 3531-1	A	6777695	CRT 3531-1	A
6774875	CRT 3531-1	A	6777794	CRT 3531-1	A
6775537	CRT 3531-1	A	6777946	CRT 3531-1	F
6775552	CRT 3531-1	A	6778140	CRT 3630-1	A
6775826	CRT 3531-1	A	6778207	CRT 3531-1	A

* A/N (Assembly number) found on your transmission name plate.

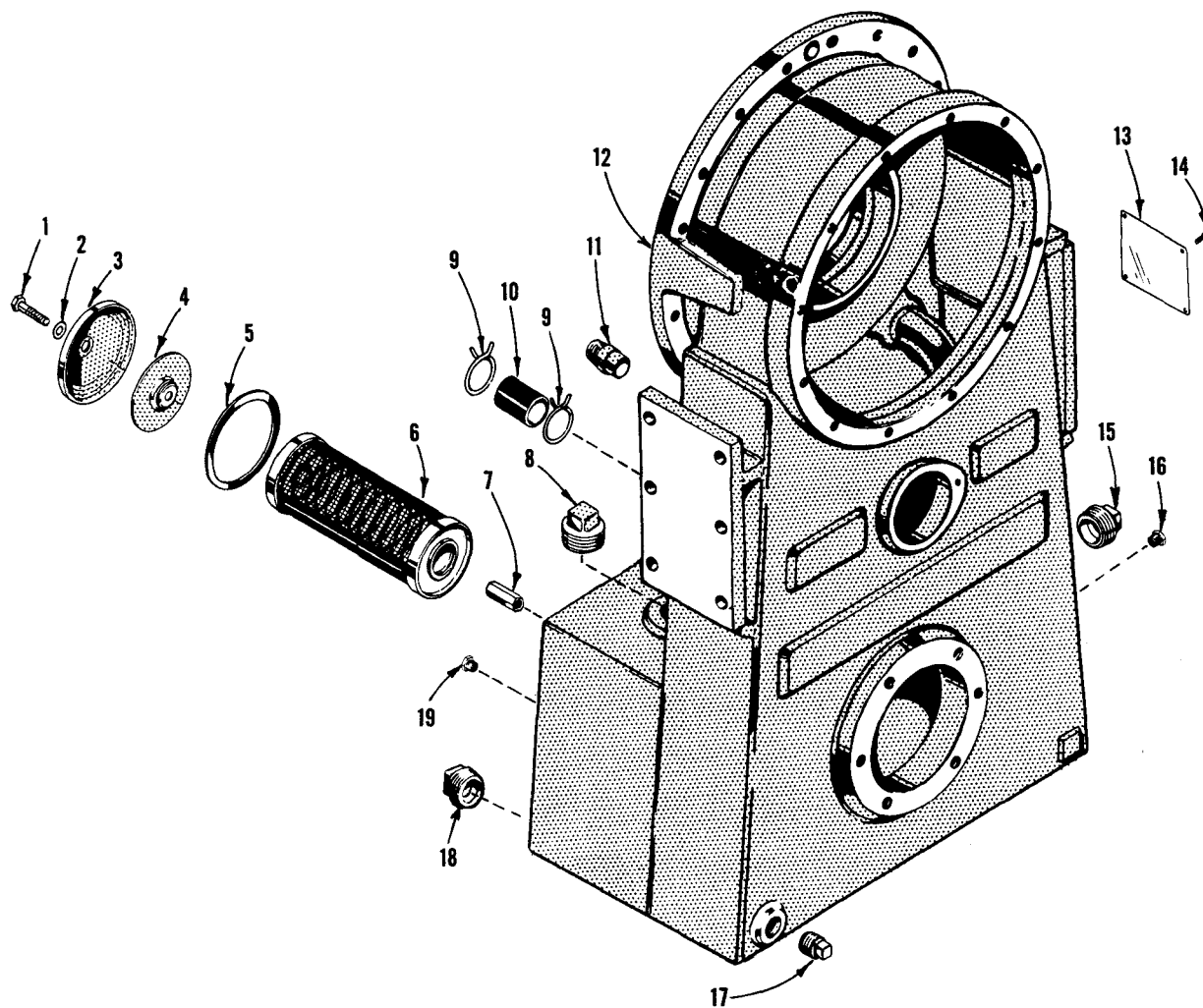


FIG XIII. TRANSFER GEAR HOUSING, EXPLODED VIEW

GROUP A
TRANSFER GEAR HOUSING, Figure XIII

REF	NOMENCLATURE	PART NO	REQ
1	BOLT, Hx hd, oil screen, 5/16-24 x 1 1/2	181343	1
2	WASHER, Plain, 11/32	115308	1
3	COVER, Oil screen	6769995	1
4	RETAINER, Oil screen	6757774	1
5	GASKET, Oil screen cover.	5576443	1
6	SCREEN, Oil	6769996	1
7	COUPLING, Oil screen	6769994	1
8	PLUG, Pipe, 1 1/2	106643	1
9	CLAMP, Hose	272855	2
10	HOSE, Converter housing drain	6757352	1
11	NIPPLE, 3/4 NPTF	6770169	1
12	HOUSING, Transfer gear (Prior to S/N 23564 use Kit P/N 6773332)	6772169	1
13	PLATE, Name	6768267	1
14	SCREW, Drive	142862	4
15-16	Not used in this group.		
17	PLUG, Sump drain, sq hd, 3/4	444592	1
18	PLUG, Oil filler, 1 1/4	143938	1
19	PLUG, Oil level check, hx hd pipe, 1/4.	444618	1

GROUP B
TRANSFER GEAR HOUSING, Figure XIII
Same as Group A, except for parts listed below.

12	KIT, Transfer gear housing.	6773332	1
18	PLUG, Oil filler, sq socket hd pipe, 1 1/4	106644	1

GROUP C
TRANSFER GEAR HOUSING, Figure XIII
Same as Group A, except for parts listed below.

12	KIT, Transfer gear housing.	6773332	1
15	PLUG, Oil filler, sq hd pipe, 1 1/4	143938	1
16	PLUG, Oil level check, hx hd pipe, 1/4.	444618	1
18-19	Not used in this group.		

GROUP D
TRANSFER GEAR HOUSING, Figure XIII
Same as Group A, except for parts listed below.

11	Not used in this group.		
12	KIT, Transfer gear housing.	6773333	1

GROUP E

TRANSFER GEAR HOUSING, Figure XIII

Same as Group A, except for parts listed below.

REF	NOMENCLATURE	PART NO	REQ
11	Not used in this group.		
12	HOUSING, Transfer gear.	6772189	1

GROUP F

TRANSFER GEAR HOUSING, Figure XIII

Same as Group A, except for parts listed below.

12	HOUSING, Transfer gear (Prior to S/N 23564 use KIT 6773332)	6773797	1
15	PLUG, Oil filler, sq hd pipe, 1 1/4	143938	1
16	PLUG, Oil level check, hx hd pipe, 1/4.	444618	1

FRONT OUTPUT SHAFT GROUP

To find detail parts for your Allison Torqmatic Transmission, turn to the group listed opposite the assembly part number of your transmission.

A/N*	MODEL	GROUP	A/N*	MODEL	GROUP
6771074	CRT 3531-1	B	6775987	CRT 3531-1	A
6771321	CRT 3531-1	B	6776529	CRT 3531-1	A
6771392	CRT 3531-1	B	6776572	CRT 3531-1	A
6771647	CRT 3531-1	A	6776606	CRT 3531-1	A
6771924	CRT 3531-1	B	6776607	CRT 3531-1	A
6771940	CRT 3531-1	B	6776755	CRT 3531-1	A
6772034	CRT 3531-1	B	6776814	CRT 3531-1	A
6772118	CRT 3531-1	B	6776956	CRT 3531-1	A
6772456	CRT 3531-1	B	6776986	CRT 3531-1	A
6773297	CRT 3531-1	B	6777038	CRT 3531-1	A
6773505	CRT 3531-1	A	6777038	CRT 3630-1	A
6773629	CRT 3531-1	B	6777118	CRT 3531-1	A
6773852	CRT 3531-1	A	6777129	CRT 3531-1	A
6773937	CRT 3531-1	A	6777130	CRT 3531-1	A
6774041	CRT 3531-1	A	6777130	CRT 3630-1	A
6774047	CRT 3531-1	A	6777154	CRT 3531-1	A
6774275	CRT 3531-1	A	6777444	CRT 3531-1	C
6774669	CRT 3531-1	C	6777569	CRT 3531-1	A
6774699	CRT 3531-1	A	6777695	CRT 3531-1	A
6774875	CRT 3531-1	A	6777794	CRT 3531-1	C
6775537	CRT 3531-1	A	6777946	CRT 3531-1	A
6775552	CRT 3531-1	C	6778140	CRT 3630-1	A
6775826	CRT 3531-1	A	6778207	CRT 3531-1	A

* A/N (Assembly number) found on your transmission name plate.

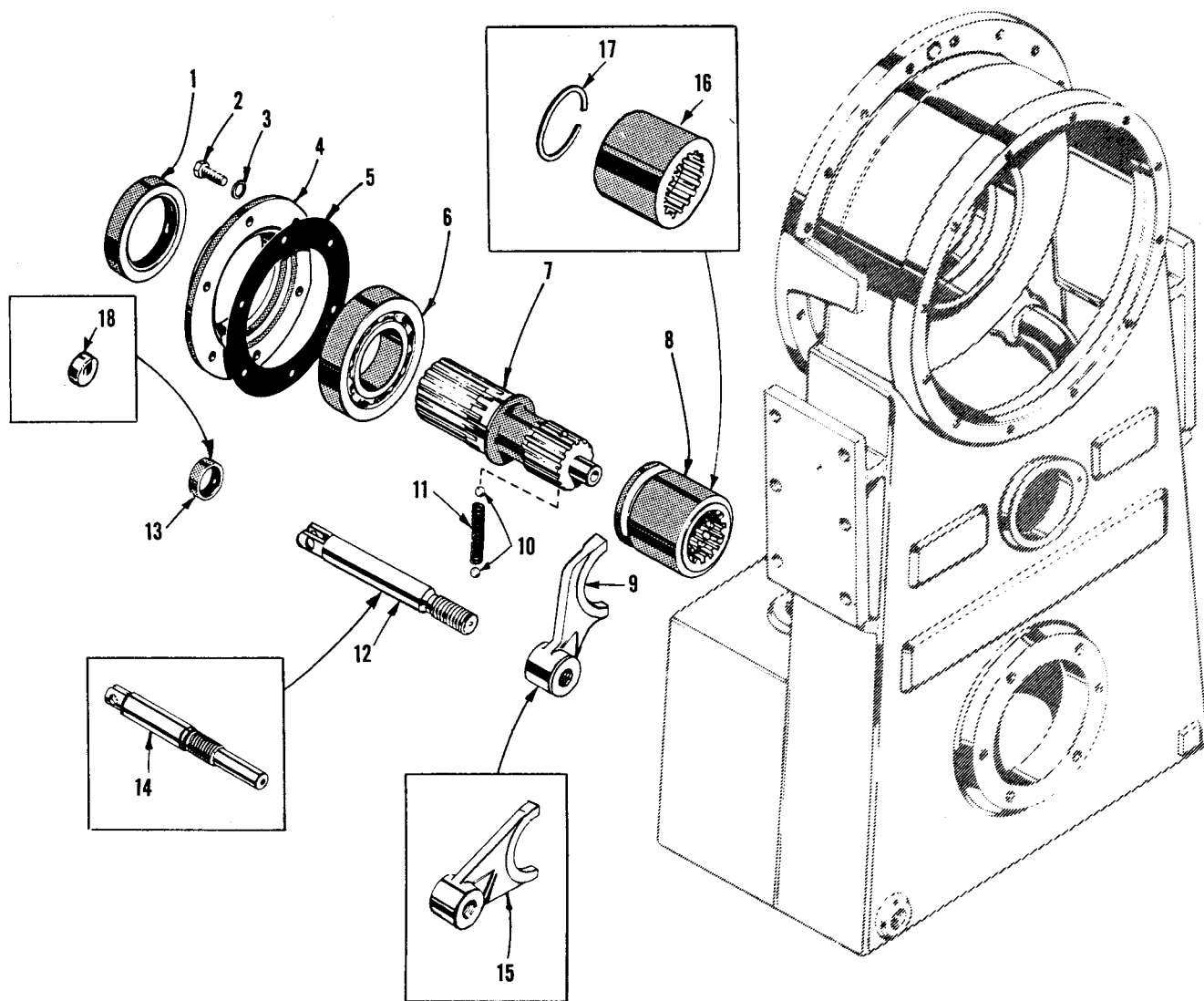


FIG XIV. FRONT OUTPUT SHAFT, EXPLODED VIEW

GROUP A
FRONT OUTPUT SHAFT, Figure XIV

REF	NOMENCLATURE	PART NO	REQ
1	SEAL, Front output lip type oil	6773373	1
2	BOLT, Hx hd, 3/8-16 x 1	179839	6
3	WASHER, Lock, 3/8	103321	6
4	RETAINER, Front output bearing.	6758149	1
5	GASKET, Bearing retainer.	6757224	1
6	BEARING, Single row ball (ND3311XR1A)	903311	1
7	SHAFT, Front output	6757244	1
8	COUPLING, Front output shaft.	6757245	1
9	FORK, Shifter	6772183	1
10	BALL, Detent, 3/8	145643	2
11	SPRING, Output disconnect detent, 16 coils .350 OD, .062-.064 wire dia	6757249	1
12	SHAFT, Shifter fork	6772187	1
13	SEAL, Shifter fork shaft lip type oil	6703159	1
14-18	Not used in this group.		

GROUP B
FRONT OUTPUT SHAFT, Figure XIV

Same as Group A, except for parts listed below.

9	Not used in this group.		
12	Not used in this group.		
14	SHAFT, Shifter fork	6757228	1
15	FORK, Shifter	6757246	1
16-18	Not used in this group.		

GROUP C
FRONT OUTPUT SHAFT, Figure XIV

Same as Group A, except for parts listed below.

8-15	Not used in this group.		
16	COUPLING, Front output shaft.	6757397	1
17	RING, Internal snap	6757398	1
18	CUP, Shifter fork shaft	6774572	1

TRANSFER GEARS AND REAR OUTPUT SHAFT GROUP

To find detail parts for your Allison Torqmatic Transmission, turn to the group listed opposite the assembly part number of your transmission.

A/N*	MODEL	GROUP	A/N*	MODEL	GROUP
6771074	CRT 3531-1	C	6775987	CRT 3531-1	A
6771321	CRT 3531-1	C	6776529	CRT 3531-1	A
6771392	CRT 3531-1	C	6776572	CRT 3531-1	A
6771647	CRT 3531-1	A	6776606	CRT 3531-1	A
6771924	CRT 3531-1	C	6776607	CRT 3531-1	A
6771940	CRT 3531-1	C	6776755	CRT 3531-1	A
6772034	CRT 3531-1	C	6776814	CRT 3531-1	A
6772118	CRT 3531-1	C	6776956	CRT 3531-1	A
6772456	CRT 3531-1	C	6776986	CRT 3531-1	A
6773297	CRT 3531-1	D	6777038	CRT 3531-1	A
6773505	CRT 3531-1	B	6777038	CRT 3630-1	A
6773629	CRT 3531-1	C	6777118	CRT 3531-1	A
6773852	CRT 3531-1	A	6777129	CRT 3531-1	A
6773937	CRT 3531-1	A	6777130	CRT 3531-1	A
6774041	CRT 3531-1	A	6777130	CRT 3630-1	A
6774047	CRT 3531-1	A	6777154	CRT 3531-1	A
6774275	CRT 3531-1	A	6777444	CRT 3531-1	A
6774669	CRT 3531-1	A	6777569	CRT 3531-1	A
6774699	CRT 3531-1	A	6777695	CRT 3531-1	A
6774875	CRT 3531-1	B	6777794	CRT 3531-1	A
6775537	CRT 3531-1	A	6777946	CRT 3531-1	A
6775552	CRT 3531-1	A	6778140	CRT 3630-1	E
6775826	CRT 3531-1	A	6778207	CRT 3531-1	B

* A/N (Assembly number) found on your transmission name plate.

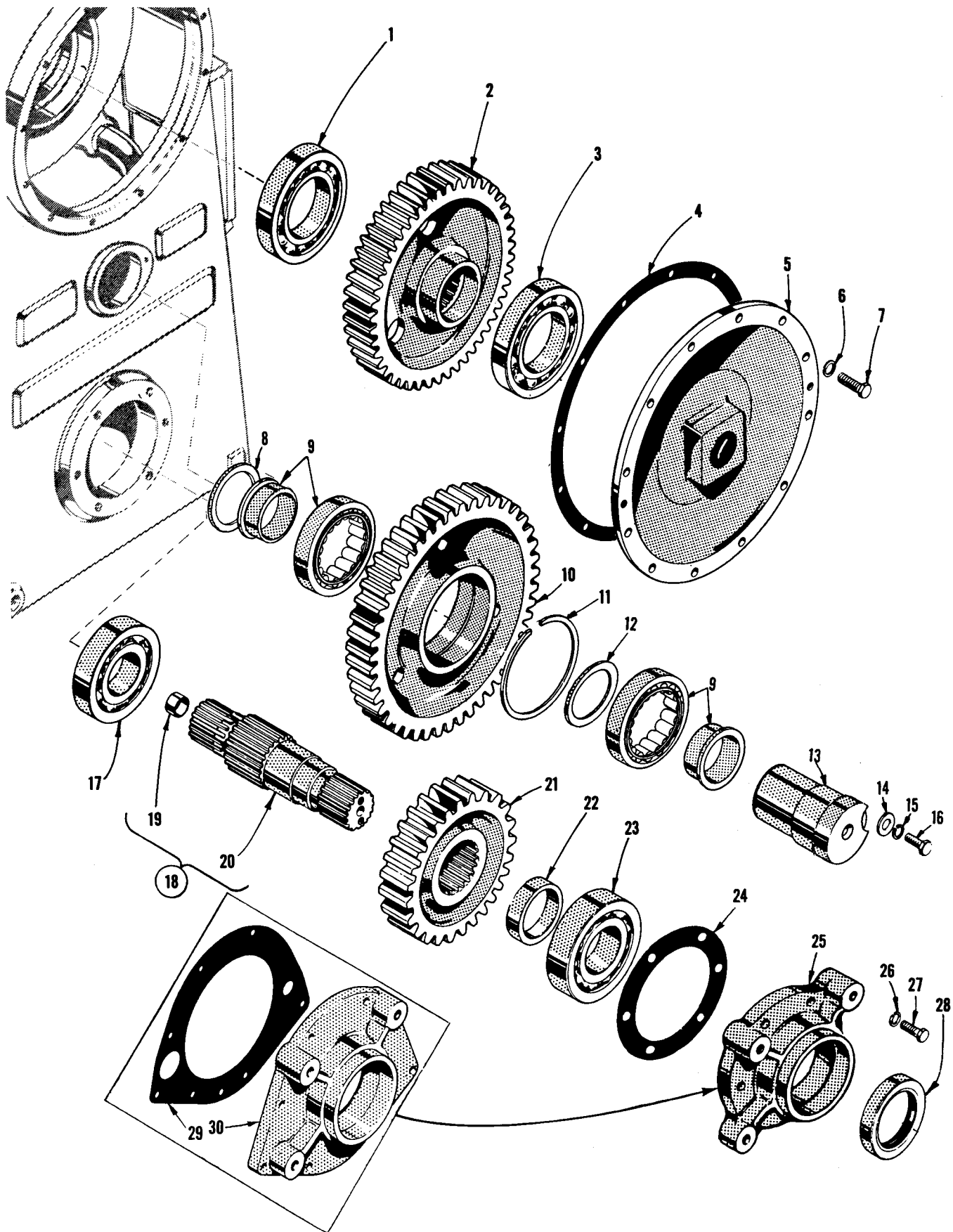


FIG XV. TRANSFER GEARS AND REAR OUTPUT SHAFT, EXPLODED VIEW

GROUP A
TRANSFER GEARS AND REAR OUTPUT SHAFT, Figure XV
(0.659:1 Overdrive)

REF	NOMENCLATURE	PART NO	REQ
1	BEARING, Single row ball (ND 3216XR1A).	903216	1
2	GEAR, Transfer drive	6770905	1
3	BEARING, Single row ball (ND 3216XR1A).	903216	1
4	GASKET, Transfer drive gear cover	6757218	1
5	COVER, Transfer drive gear	6757217	1
6	WASHER, Lock, 3/8	103321	12
7	BOLT, Hx hd, 3/8-16 x 1 1/8	179840	12
8	SPACER, Idler gear bearing (Prior to S/N 39334 order P/N 6759537. Starting with S/N 39334 order P/N 6777391)	6777391	1
9	BEARING, Output idler gear (Prior to S/N 39334 order Qty 1, P/N 7450552. Starting with S/N 39334 order P/N 7451564)	7451564	2
10	GEAR, Output idler (Prior to S/N 39334 also order 1 SPINDLE P/N 6777403, 2 SPACERS P/N 6777391 and 2 BEARINGS P/N 7451564)	6777404	1
11	RING, Output idler gear internal snap. (Prior to S/N 39334 use Qty of 2. Starting with S/N 39334 use Qty 1)	6750924	1
12	SPACER, Idler gear bearing (Prior to S/N 39334 order P/N 6759537. Starting with S/N 39334 order P/N 6777391)	6777391	1
13	SPINDLE, Output idler gear (Prior to S/N 39334 order P/N 6759539. Starting with S/N 39334 order P/N 6777403)	6777403	1
14	WASHER, Spindle retainer	6759517	1
15	WASHER, Lock, 7/16	103322	1
16	BOLT, Hx hd, 7/16-14 x 7/8	179857	1
17	BEARING, Single row ball (ND 3311XR1A).	903311	1
18	SHAFT ASSY, Rear output	6759540	1
19	BUSHING	6756835	1
20	SHAFT, Rear output	6759507*	1
21	GEAR, Transfer driven	6758374	1
22	SPACER, Transfer driven gear	6768270	1
23	BEARING, Single row ball (ND3312XR1A)	903312	1
24	GASKET, Rear bearing retainer (Prior to S/N 23564 order P/N 6757238. Starting with S/N 23564 use 6772190)	6772190	1
25	RETAINER, Rear Bearing (Prior to S/N 23564 order P/N 6759481. Starting with S/N 23564 use 6772179)	6772179	1
26	WASHER, Lock, 1/2	103323	6
27	BOLT, Hx hd, 1/2-13 x 1 3/8	179884	6
28	SEAL, Rear output flange lip type oil	6773373	1
29-30	Not used in this group.		

GROUP B
TRANSFER GEARS AND REAR OUTPUT SHAFT, Figure XV
(0.659:1 Overdrive)

Same as Group A, except for parts listed below.

5 Not used in this group. (See Fig. XVI)

* Serviced as an assy only - not as a detail part.

GROUP C
TRANSFER GEARS AND REAR OUTPUT SHAFT, Figure XV
(0.659:1 Overdrive)

Same as Group A, except for parts listed below.

24-25	Not used in this group.		
26	WASHER, Lock, 3/8	103321	8
27	BOLT, Hx hd, 3/8-16 x 1 3/8	179842	8
29	GASKET, Rear bearing retainer	6757238	1
30	RETAINER, Rear bearing.	6759481	1

GROUP D
TRANSFER GEARS AND REAR OUTPUT SHAFT, Figure XV
(0.659:1 Overdrive)

Same as Group C, except for parts listed below.

REF	NOMENCLATURE	PART NO	REQ
5	Not used in this group. (See Fig. XVI)		

GROUP E
TRANSFER GEARS AND REAR OUTPUT SHAFT, Figure XV
(0.789:1 Overdrive)

Same as Group A, except for parts listed below.

2	GEAR, Transfer drive.	6778241	1
21	GEAR, Transfer driven	6778240	1

SPEEDOMETER DRIVE GROUP

To find detail parts for your Allison Torqmatic Transmission, turn to the group listed opposite the assembly part number of your transmission.

A/N*	MODEL	GROUP
6773297	CRT 3531-1	A
6773505	CRT 3531-1	A
6774875	CRT 3531-1	A
6778207	CRT 3531-1	A

*A/N (Assembly number) found on your transmission name plate.

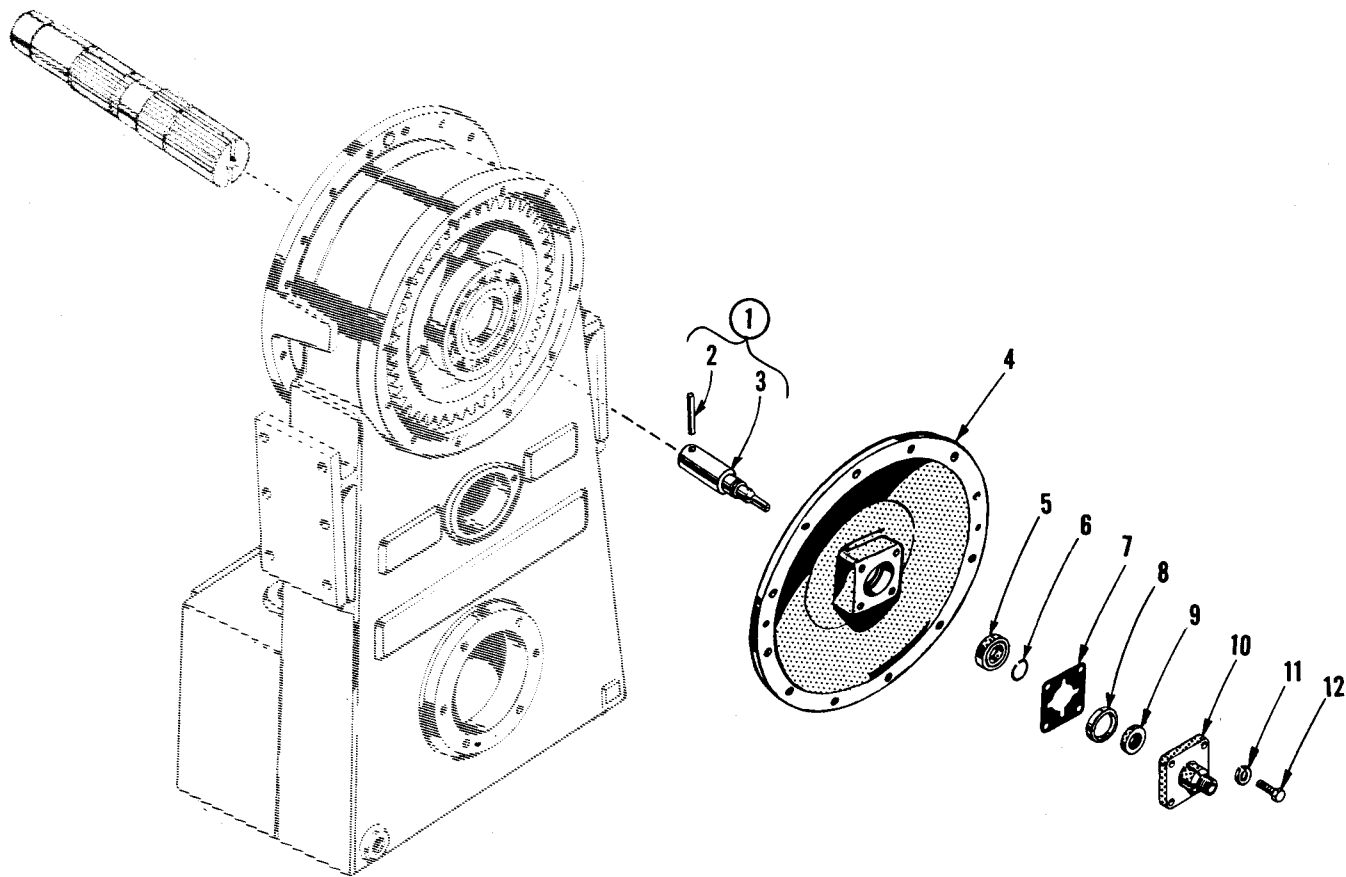


FIG XVI. SPEEDOMETER DRIVE, EXPLODED VIEW

GROUP A
SPEEDOMETER DRIVE, Figure XVI

REF	NOMENCLATURE	PART NO	REQ
1	SHAFT ASSY, Speedometer drive	6773683	1
2	PIN, Drive	9421034	1
3	SHAFT, Speedometer drive	6773684*	1
4	COVER, Output drive gear.	6757291	1
5	BEARING, Single row ball (ND 3202 NR1214A). . .	907411	1
6	RING, Bearing retaining snap.	8894450	1
7	GASKET, Speedometer drive adapter	3224773	1
8	SPACER, Bearing	6757283	1
9	SEAL, Speedometer drive lip type oil.	6752035	1
10	ADAPTER, Speedometer drive	6773686	1
11	WASHER, Lock, 5/16.	103320	4
12	BOLT, Hx hd, 5/16-18 x 1 1/8.	179819	4

* Serviced as an assy only - not as a detail part.

OIL SUMP ADAPTER GROUP

To find detail parts for your Allison Torqmatic Transmission, turn to the group listed opposite the assembly part number of your transmission.

A/N*	MODEL	GROUP	A/N*	MODEL	GROUP
6773267	CRT 3531-3	A	6775918	CRT 3531-3	A
6773323	CRT 3531-3	A	6776642	CRT 3531-3	A
6773706	CRT 3531-3	A	6777039	CRT 3531-3	A
6774330	CRT 3531-3	A	6777153	CRT 3531-3	A
6774641	CRT 3531-3	A	6777232	CRT 3531-3	A
6774741	CRT 3531-3	B	6778370	CRT 3531-3	A
6775917	CRT 3531-3	A			

*A/N (Assembly number) found on your transmission name plate.