

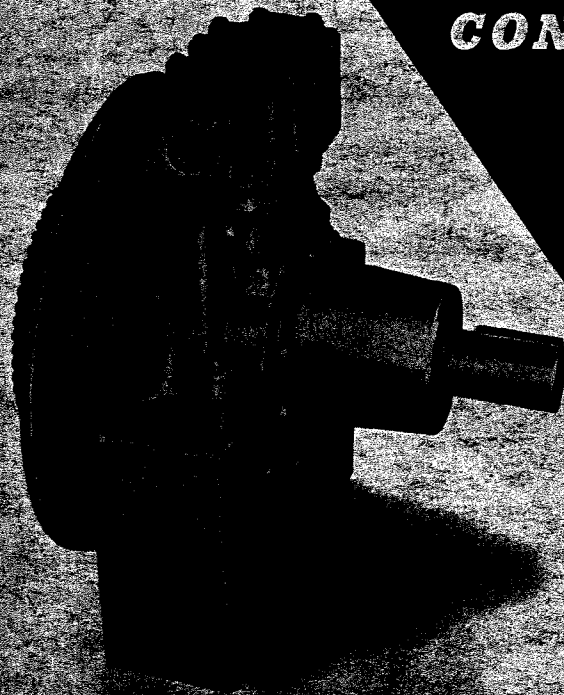
SA 1024

PARTS CATALOG

Smoothness

Allison

**TORQMATIC
CONVERTERS**



ALLISON DIVISION

GENERAL MOTORS CORPORATION

INDIANAPOLIS, INDIANA

FOREWORD

This catalog contains parts information for all models of the 200-300 Series Allison Torq-matic Converters.

Information not covered in this catalog can be obtained by writing to the Transmissions Service Manager, Allison Division, GMC, Indianapolis 6, Indiana.

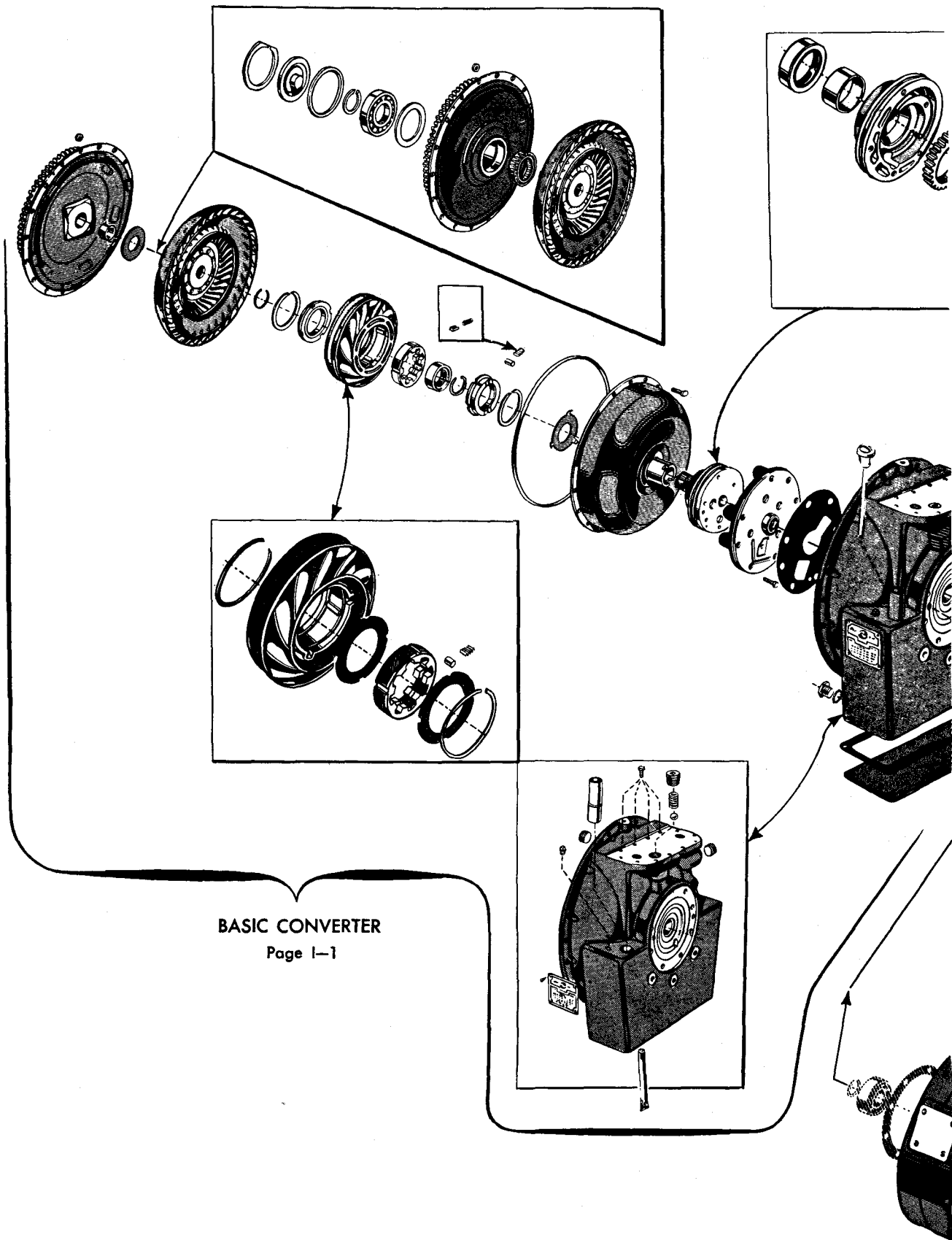
October 15, 1961

Pages revised to: April 30, 1962



The complete line of Allison Torqmatic Drives includes the Allison Torqmatic Converter, the Allison Torqmatic Transmission and the Allison Marine Transmission. Literature on these products is available. Address requests for this information to the Commercial Sales Department.

ALLISON DIVISION
GENERAL MOTORS CORPORATION
Indianapolis 6, Indiana



BASIC CONVERTER
Page 1-1

GROUP A
TC-200 SERIES BASIC TORQMATIC CONVERTER, Figure I

REF	NOMENCLATURE	PART NO	REQ
1	NUT (Avail also in SK 6759026)	451006	18
2	GEAR & COVER ASSY	6755221	1
3	BUSHING	3702079	1
4	WASHER, Turbine thrust (Avail also in SK 6759026)	3719262	1
5	TURBINE ASSY	3702724	1
6	RING, External, snap, 1 1/4 OD (Avail also in SK 6759026)	6750046	1
7	RING, Internal, snap, 3.45 ID	3702104	1
8	WASHER, Thrust	3735785	1
9	STATOR ASSY (Use 6769234 prior to S/N 31823. Starting with S/N 31823 use 3796309) (See SIL 500)	3796309	1
10	CAM, Stator freewheel	3719260	1
11	RACE, Freewheel roller	6754958	1
12	RING, External, snap, 1 1/4 OD (Avail also in SK 6759026)	6750046	1
13	WASHER, Thrust	3735785	1
14	RING, Internal, snap, 3.45 ID	3702104	1
15	ROLLER, Stator freewheel (Avail also in SK 6759026)	3702101	8
16	SPRING, Roller (Avail also in SK 6759026) . . .	3719261	8
17	GUIDE, Roller (use prior to S/N 19439 only) (Avail also in SK 6759026)	3691806	8
18	SPRING, Roller (use prior to S/N 19439 only) (Avail also in SK 6759026)	3689751	8
19	WASHER, Converter pump thrust (Use 6756629 prior to S/N 31823. Starting with S/N 31823 use 3702744) (See SIL 500)	3702744	1
20	RING, Seal, 12 ID x 0.139 dia (See SIL 150) (Avail also in SK 6759026 and 6759030)	3713622	1
21	BOLT, Spcl (Avail also in SK 6759026)	3717166	18
22	PUMP ASSY, Converter (TC 240 Series 2.0:1 stall torque ratio)	6756519	1
23	PUMP ASSY, Charging oil (Use 6755266 prior to S/N 31823. Starting with S/N 31823 use 6773200)	6773200	1
24	GEAR & BODY ASSY	6756644	1
25	SEAL, Oil (See SIL 165) (Avail also in SK 6759026 and 6759030)	3772748	1
26	BODY ASSY, Oil pump	*	1
27	BUSHING (Avail also in SK 6759026) . . .	3702069	1
28	BODY, Oil pump	*	1
29	GEAR, Charging oil pump drv	*	1
30	GEAR, Charging oil pump drvn	*	1
31	RING, Seal (Avail also in SK 6759026 and 6759030)	3689826	1
32	SUPPORT, Stator (ground sleeve) (Use 6754964 prior to S/N 31823. Starting with S/N 31823 use 6773199) (See SIL 500)	6773199	1

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

April 30, 1962

ALLISON TORQMATIC CONVERTER SERIES 200-300 PARTS CATALOG

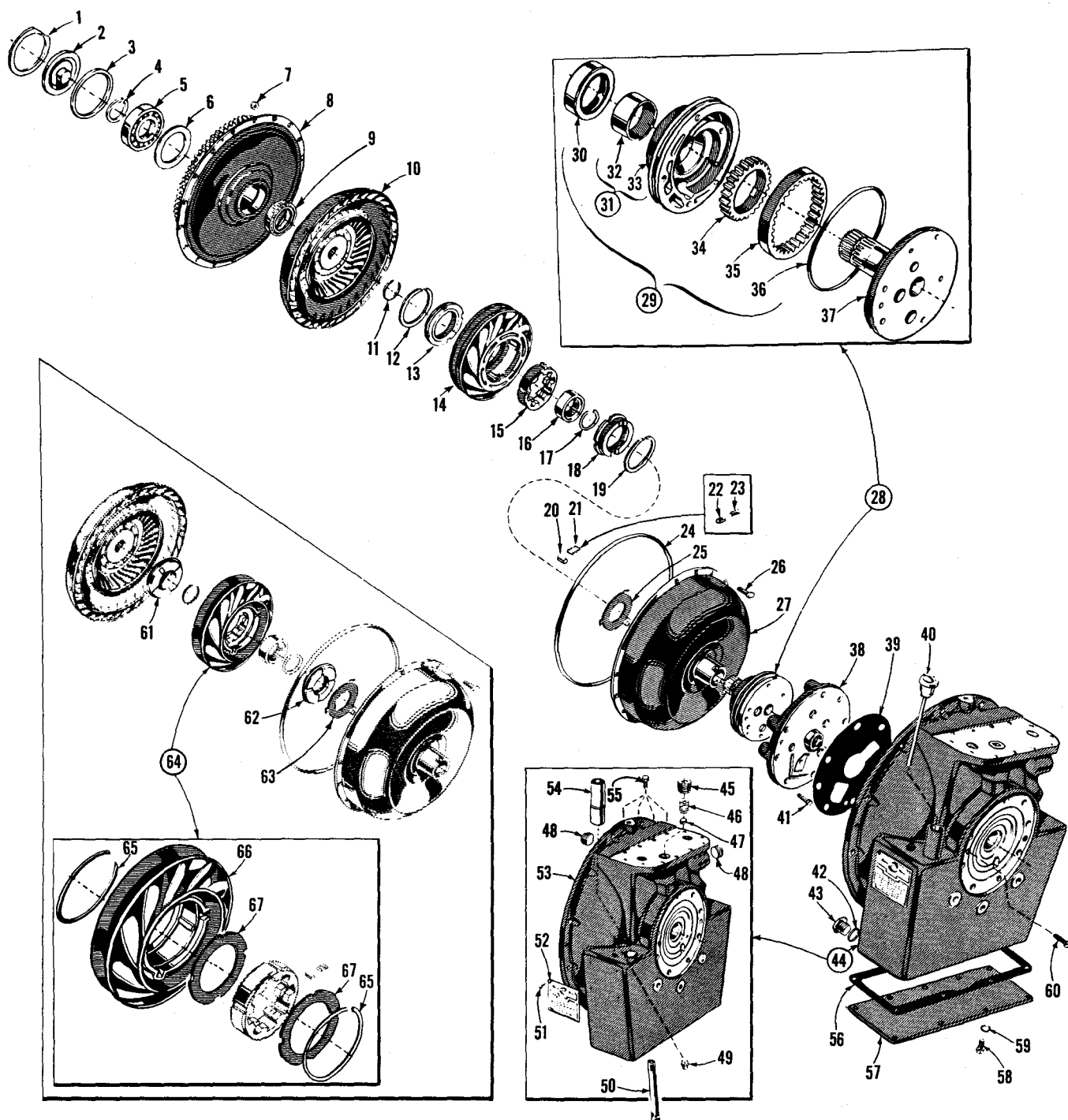


Fig. I-A. TC-200 SERIES BASIC TORQMATIC CONVERTER, EXPLODED VIEW
(WITH OVERRUNNING CLUTCH)

GROUP A (CONT'D)
 TC-200 SERIES BASIC TORQMATIC CONVERTER, Figure I

REF	NOMENCLATURE	PART NO	REQ
33	ADAPTER, Charging oil pump	6754968	1
34	GASKET (See SIL 137) (Avail also in SK 6759026 and 6759030)	6756872	1
35	INDICATOR, Oil level	6755786	1
36	BOLT, Hx hd self-locking, 1/4-20x1	9409062	5
37	GASKET, Annular (Avail also in SK 6759026 and 6759030)	105456	1
38	PLUG, Drain	6701230	1
39	HOUSING ASSY, Converter (See SIL 136)	6768955	1
40	SLEEVE, Oil filler	6755789	1
41	PLUG, Sq-sckt hd, 3/4 NPT	444672	2
42	HOUSING, Converter (See SIL 137)	*	1
43	PLATE, Torqmatic converter name	6768267	1
44	SCREW, Rnd hd drv, #4 x 1/4	142862	4
45	TUBE, Oil cooler return	6756693	1
46	PLUG, Pipe, 1/4	444576	1
47	BALL	453621	1
48	SPRING	6757709	1
49	PLUG, Sq hd pipe, 1	444678	1
50	BOLT, Hx hd, 5/16-18 x 1/2 (See SIL 196)	179812	4
51	GASKET, Sump plate (Avail also in SK 6759026 and 6759030)	6754490	1
52	PLATE, Sump	6754495	1
53	BOLT, Hx hd, 5/16-18x7/8	179817	9
54	WASHER, Lock, 5/16	103320	9
55	SCREW, Flat 1/4-20x1 3/4 (See SIL 161.)	113998	2
56	WASHER, Stator front thrust (Used prior to S/N 31823 only) (Avail also in SK 6759026) (See SIL 500)	3709094	1
57	WASHER, Stator rear thrust (See SIL 127) (Used prior to S/N 31823 only) (See SIL 500)	6756233	1
58	WASHER, Converter pump thrust (Used prior to S/N 31823 only) (Avail also in SK 6759026) (See SIL 500)	6756629	1
59	STATOR ASSY (Used prior to S/N 31823 only) (See SIL 500)	6769234	1
60	RING, Snap (Used prior to S/N 31823 only) (See SIL 500)	3702104	2
61	STATOR (Used prior to S/N 31823 only) (See SIL 500)	3702688	1
62	WASHER, Cam thrust (Used prior to S/N 31823 only) (See SIL 500)	3702103	2

GROUP B
 TC-200 SERIES BASIC TORQMATIC CONVERTER, Figure I-A
 (WITH OVERRUNNING CLUTCH)

1	RING, Internal snap, 3.361 OD	6759926	1
2	COVER, Bearing	6772312	1
3	RING, Square section seal, 3.107 ID	6759906	1
4	RING, External snap, 1.404 ID	6750127	1
5	BEARING ASSY, Single row ball	903208	1

(CONTINUED ON NEXT PAGE)

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

GROUP B (CONT'D)

TC-200 SERIES BASIC TORQMATIC CONVERTER, Figure I-A

REF	NOMENCLATURE	PART NO	REQ
6	RETAINER, Sprag	6759927	1
7	NUT (Avail also in SK 6759026)	451006	18
8	GEAR & COVER ASSY	6759928	1
9	SPRAG ASSY	8618363	1
10	TURBINE ASSY	6759932	1
11	RING, External, snap, 1 1/4 OD (Avail also in SK 6759026)	6750046	1
12	RING, Internal, snap, 3.45 ID	3702104	1
13	WASHER, Thrust	3735785	1
14	STATOR ASSY (Use 6769234 prior to S/N 31823. Starting with S/N 31823 use 3796309) (See SIL 500)	3796309	1
15	CAM, Stator freewheel	3719260	1
16	RACE, Freewheel roller	6754958	1
17	RING, External, snap, 1 1/4 OD (Avail also in SK 6759026)	6750046	1
18	WASHER, Thrust	3735785	1
19	RING, Internal, snap, 3.45 ID	3702104	1
20	ROLLER, Stator freewheel (Avail also in SK 6759026)	3702101	8
21	SPRING, Roller (Avail also in SK 6759026) . . .	3719261	8
22	GUIDE, Roller (use prior to S/N 19439 only) (Avail also in SK 6759026)	3691806	8
23	SPRING, Roller (Use prior to S/N 19439 only).	3689751	8
24	RING, Seal, 12 ID x .139 dia (See SIL 150) (Avail also in SK 6759026 and 6759030)	3713622	1
25	WASHER, Converter pump thrust	3702744	1
26	BOLT, Spcl (Avail also in SK 6759026)	3717166	18
27	PUMP ASSY, Converter (TC 240 Series 2.0:1 stall torque ratio)	6756519	1
28	PUMP ASSY, Charging oil	6773200	1
29	GEAR & BODY ASSY	6756644	1
30	SEAL, Oil (See SIL 165) (Avail also in SK 6759026 and 6759030)	3772748	1
31	BODY ASSY, Oil pump	*	1
32	BUSHING (Avail also in SK 6759026) . . .	3702069	1
33	BODY, Oil pump	*	1
34	GEAR, Charging oil pump drv	*	1
35	GEAR, Charging oil pump drvn	*	1
36	RING, Seal (Avail also in SK 6759026 and 6759030)	3689826	1
37	SUPPORT, Stator (ground sleeve)	6773199	1
38	ADAPTER, Charging oil pump	6754968	1
39	GASKET (See SIL 137) (Avail also in SK 6759026 and 6759030)	6756872	1
40	INDICATOR, Oil level	6755786	1
41	BOLT, Hx hd self-locking, 1/4-20x1	9409062	5
42	GASKET, Annular (Avail also in SK 6759026 and 6759030)	105456	1
43	PLUG, Drain	6701230	1

(CONTINUED ON NEXT PAGE)

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

TC-300 SERIES BASIC TORQMATIC CONVERTER

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

A/N*	MODEL	GROUP	PAGE	A/N*	MODEL	GROUP	PAGE
6755060	TC 324	A	III-3	6759666	TC 374	C	III-5
6755061	TC 325	A	III-3	6759667	TC 374	C	III-5
6755062	TCRD 326	A	III-3	6759668	TC 375	C	III-5
6755390	TCA 325	A	III-3	6759669	TC 377	C	III-5
6755395	TC 374	C	III-5	6759672	TCA 377	C	III-5
6755396	TC 375	C	III-5	6759674	TCRD 376	C	III-5
6755397	TCA 375	C	III-5	6759676	TCRD 379	C	III-5
6755398	TCRD 376	C	III-5	6759677	TCA 377	C	III-5
6756752	TC 327	A	III-3	6759706	TCA 377	C	III-5
6756753	TCA 327	A	III-3	6759730	TC 378	C	III-5
6756754	TC 377	C	III-5	6759741	TC 328	A	III-3
6756755	TCA 377	C	III-5	6759759	TCRD 329	A	III-3
6756789	TCA 378	C	III-5	6759767	TCA 377	C	III-5
6756914	TCRD 329	A	III-3	6769539	TCA 327	A	III-3
6756937	TCRD 379	C	III-5	6769873	TC 328	A	III-3
6757844	TCRD 379	C	III-5	6769874	TCA 327	A	III-3
6757846	TC 374	C	III-5	6769943	TCA 377	C	III-5
6757847	TC 378	C	III-5	6769968	TCA 378	C	III-5
6758048	TCA 328	A	III-3	6769969	TC 378	C	III-5
6759137	TCA 378	C	III-5	6769970	TC 327	A	III-3
6759598	TCA 377	C	III-5	6769971	TC 324	A	III-3
6759643	TC 376	B	III-5	6769973	TC 376	B	III-5
6759657	TC 324	A	III-3	6769974	TC 374	C	III-5
6759658	TC 325	A	III-3	6770285	TC 337	D	III-5
6759659	TC 327	A	III-3	6770730	TC 335	D	III-5
6759660	TCA 327	A	III-3	6772298	TCOA 377	E	III-7
6759661	TCA 325	A	III-3	6772535	TCOA 377	E	III-7
6759663	TCA 378	C	III-5	6772882	TCOA 327	F	III-8
6759664	TCRD 326	A	III-3				

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

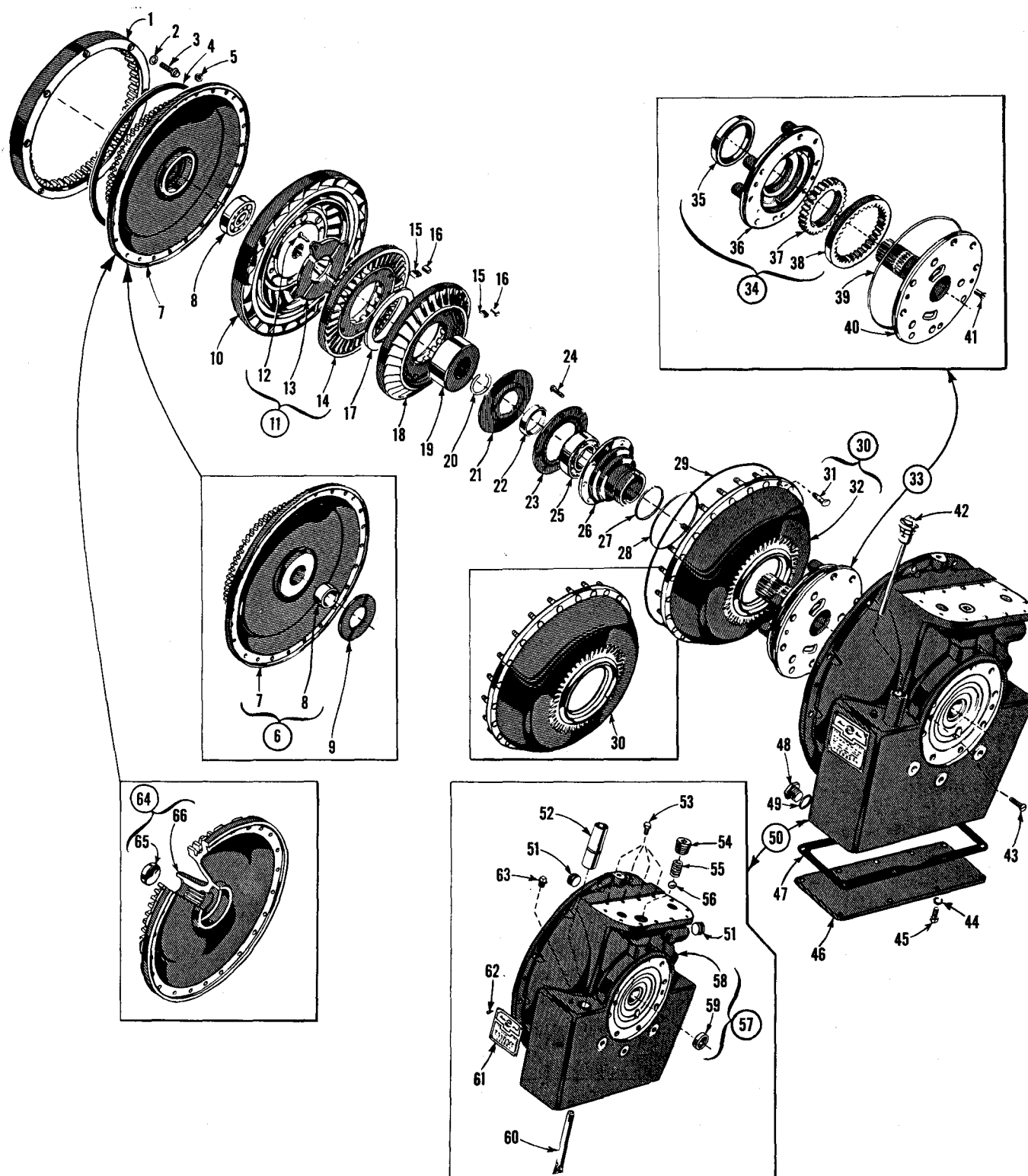


Fig III. TC-300 SERIES BASIC TORQMATIC CONVERTER, EXPLODED VIEW

TC-300 SERIES BASIC TORQMATIC CONVERTER OUTPUT SHAFTS

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

A/N*	MODEL	GROUP	PAGE	A/N*	MODEL	GROUP	PAGE
6755060	TC 324	L	IV-6	6759666	TC 374	M	IV-6
6755061	TC 325	C	IV-3	6759667	TC 374	L	IV-6
6755062	TCRD 326	A	IV-3	6759668	TC 375	C	IV-3
6755390	TCA 325	G	IV-5	6759669	TC 377	D	IV-4
6755395	TC 374	L	IV-6	6759672	TCA 377	H	IV-5
6755396	TC 375	C	IV-3	6759674	TCRD 376	A	IV-3
6755397	TCA 375	G	IV-5	6759676	TCRD 379	B	IV-3
6755398	TCRD 376	A	IV-3	6759677	TCA 377	K	IV-5
6756752	TC 327	D	IV-4	6759706	TCA 377	N	IV-6
6756753	TCA 327	H	IV-5	6759730	TC 378	E	IV-4
6756754	TC 377	D	IV-4	6759741	TC 328	E	IV-4
6756755	TCA 377	H	IV-5	6759759	TCRD 329	B	IV-3
6756789	TC 378	E	IV-4	6759767	TCA 377	N	IV-6
6756914	TCRD 329	B	IV-3	6769539	TCA 327	H	IV-5
6756937	TCRD 379	B	IV-3	6769873	TC 328	E	IV-4
6757844	TCRD 379	B	IV-3	6769874	TCA 327	H	IV-5
6757846	TC 374	M	IV-6	6769943	TCA 377	N	IV-6
6757847	TC 378	F	IV-4	6769968	TCA 378	J	IV-5
6758048	TC 328	J	IV-5	6769969	TC 378	E	IV-4
6759137	TCA 378	K	IV-5	6769970	TC 327	D	IV-4
6759598	TCA 377	K	IV-5	6769971	TC 324	L	IV-6
6759643	TC 376	P	IV-6	6769973	TC 376	P	IV-6
6759657	TC 324	L	IV-6	6769974	TC 374	M	IV-6
6759658	TC 325	C	IV-3	6770285	TC 337	D	IV-4
6759659	TC 327	D	IV-4	6770730	TC 335	C	IV-4
6759660	TCA 328	J	IV-5	6772298	TCOA 377	H	IV-5
6759661	TCA 325	G	IV-5	6772535	TCOA 377	K	IV-5
6759663	TCA 378	J	IV-5	6772882	TCOA 327	H	IV-5
6759664	TCRD 326	A	IV-3				

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

ALLISON TORQMATIC CONVERTER SERIES 200-300 PARTS CATALOG

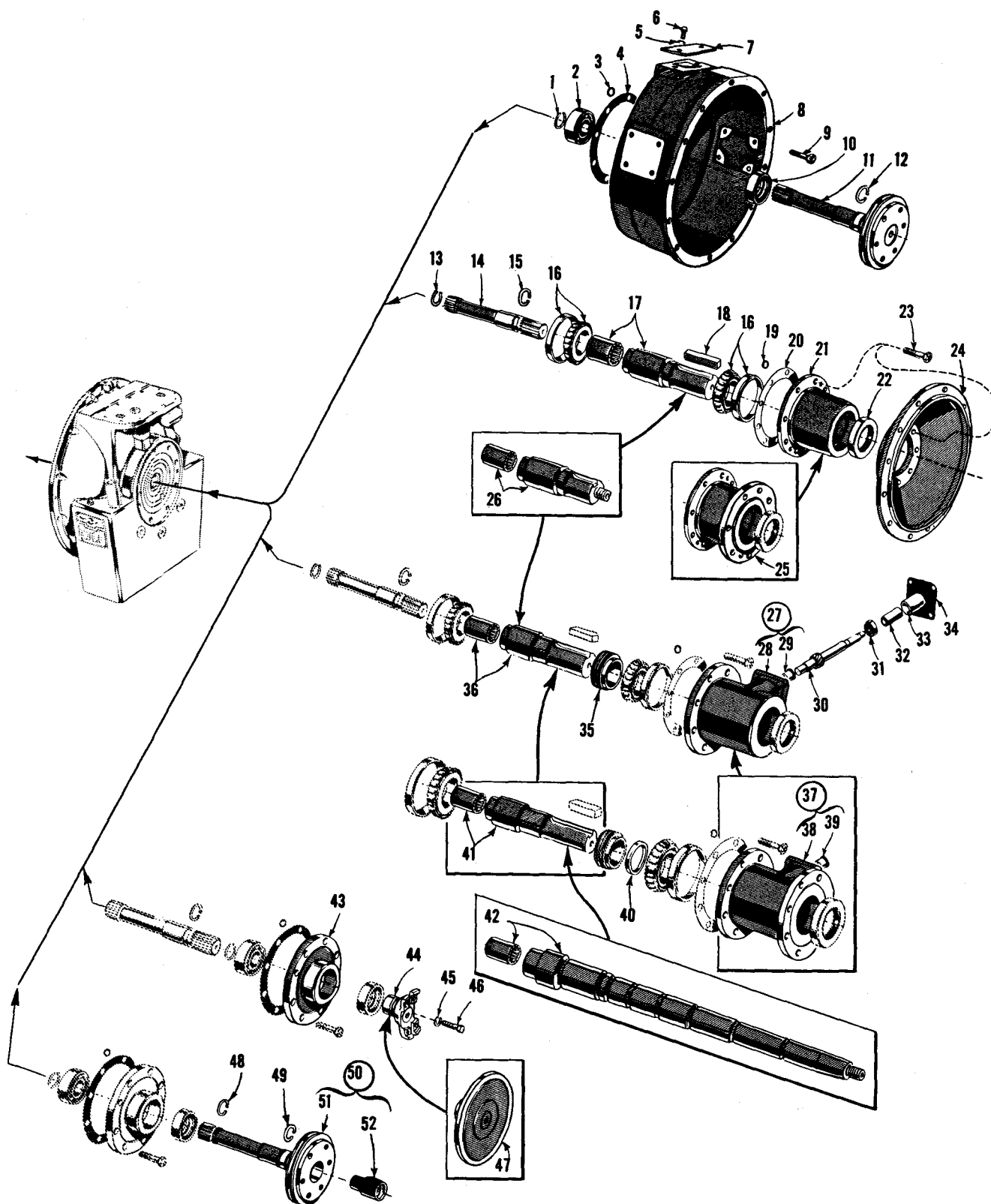


Fig IV. TC-300 SERIES BASIC TORQMATIC CONVERTER OUTPUT SHAFTS, EXPLODED VIEW

NUMERICAL INDEX

PART NO	REFERENCE NO	FIGURE NO	PART NO	REFERENCE NO	FIGURE NO
954466	25	III	3735785	8, 13	I
954498	Replaced by 903202		3735785	13, 18	I-A
954528	2	IV	3737894	Replaced by 3772748	
954551	Replaced by 900454		3737894	Replaces 760612	
2222424	23, 33, 37	II	3772748	Replaces 3737894	
2222424	29, 39	IV	3772748	25	I
3224085	26	II	3772748	30	I-A
3224085	32	IV	3796309	9	I
3224773	28	II	3796309	14	I-A
3224773	34	IV	5192142	15	V-A
3689751	18	I	5192153	2	V-A
3689751	23	I-A	5192176	18	V-A
3689826	31	I	5192180	1	V-A
3689826	36	I-A	5192180	14	VI-A
3689838	2	II	5192182	7	V-A
3689838	15	IV	5192489	28	V-A
3691806	17	I	5193064	27	V-A
3691806	22	I-A	5193253	Replaced by 5194671	
3702068	Replaced by 760612		5193255	31	V-A
3702069	27	I	5193258	5	V-A
3702069	32	I-A	5193259	20	V-A
3702079	3	I	5193260	21	V-A
3702082	Replaced by 3713622		5193420	19	V-A
3702099	Replaced by 3719260		5193421	17	V-A
3702100	Replaced by 3702103		5193422	13	V-A
3702101	15	I	5193430	12	V-A
3702101	20	I-A	5193431	6	V-A
3702103	Replaces 3702100		5194138	14	V-A
3702103	62	I	5194140	16	V-A
3702103	67	I-A	5194244	33	V-A
3702104	7, 14, 60	I	5194291	9	V-A
3702104	12, 19, 65	I-A	5194294	8	V-A
3702688	61	I	5194365	4	V-A
3702688	66	I-A	5194671	Replaces 5193253	
3702718	Replaced by 3719262		5194671	3	V-A
3702724	5	I	6700296	49	IV
3702744	Replaces 6756629		6701230	38	I
3702744	19	I	6701230	43	I-A
3702744	25	I-A	6701230	48	III
3709094	56	I	6701230	51	III-A
3709094	61	I-A	6702958	39	III
3713622	Replaces 3702082		6702958	42	III-A
3713622	20	I	6702989	4	III-A
3713622	24	I-A	6703023	1	IV
3717166	21	I	6703224	Replaced by 6758296	
3717166	26	I-A	6750046	6, 12	I
3719260	Replaces 3702099		6750046	11, 17	I-A
3719260	10	I	6750046	3	II
3719260	15	I-A	6750046	1	IV
3719261	16	I	6750127	4	I-A
3719261	21	I-A	6750272	Replaced by 6768267	
3719262	Replaces 3702718				
3719262	4	I			

NUMERICAL INDEX

PART NO	REFERENCE NO	FIGURE NO	PART NO	REFERENCE NO	FIGURE NO
6751524	27	II	6754958	11	I
6751524	33	IV	6754958	16	I-A
6751531	14	II	6754962	Replaced by 6759462	
6751531	18	IV	6754962	1	II
6751541	12	II	6754963	9	II
6751541	16	IV	6754968	33	I
6751822	Replaces 7709143		6754968	38	I-A
6751822	1	VI-A	6754994	17	III
6751839	12, 15	IV	6754994	21	III-A
6752033	9	VII-A	6754999	Replaced by 6771296	
6752034	11	VII-A	6755004	9	III
6752035	10	VII-A	6755031	17	IV
6753487	2	VI-A	6755032	13	II
6753849	Replaced by 6758213		6755221	2	I
6773857	Replaced by 6773249		6755271	Replaced by 6769234	
6753857	10	IV	6755302	6	II
6753859	15	II	6755302	43	IV
6753859	20	IV			
6753860	15	II	6755325	Replaced by 6757712	
6753860	20	IV	6755325	6	III
6753866	29	III	6755333	44	IV
6753866	32	III-A	6755372	Replaced by 6759947	
6753966	5	II	6755377	21	II
6753966	4	IV	6755377	27	IV
			6755380	36	IV
6754299	3	VII-A	6755383	19	II
6754314	5	VII-A	6755463	Replaced by 6758284	
6754349	43	II	6755464	Replaced by 6768902	
6754349	8	IV	6755467	Replaced by 6757713	
6754488	27	III	6755469	42	II
6754488	30	III-A	6755488	2	VII-A
6754489	Replaced by 6757729		6755618	24	II
6754490	51	I	6755618	30	IV
6754490	56	I-A	6755619	20	II
6754490	47	III	6755619	35	IV
6754490	50	III-A			
6754495	52	I	6755786	35	I
6754495	57	I-A	6755786	40	I-A
6754495	46	III	6755786	42	III
6754495	49	III-A	6755786	45	III-A
6754501	Replaced by 6759946		6755789	40	I
6754505	Replaced by 6757783		6755789	54	I-A
			6755789	52	III
			6755789	55	III-A
6754506	17	II			
6754506	22	IV	6755803	Replaced by 6757634	
6754508	16	II	6755838	Replaced by 6769091	
6754508	21	IV	6755850	Replaced by 6757753	
6754519	Replaced by 6757605		6755892	19	III
6754527	Replaced by 113989		6755892	23	III-A
6754528	Replaced by 6757599				
6754549	Replaced by 6758599		6755896	22	III
6754549	Replaced by 6768955		6755897	20	III
6754550	Replaced by 6757621		6755897	24	III-A
6754922	8	III	6755903	Replaces 6770239	
6754947	10	IV	6755903	13	IV

NUMERICAL INDEX

PART NO	REFERENCE NO	FIGURE NO	PART NO	REFERENCE NO	FIGURE NO
6755988	31	III	6757599	Replaced by 6769530	
6755988	34	III-A	6757599	Replaces 6754528	
6755999	Replaced by 6756847		6757605	Replaced by 6768714	
6756001	30	III	6757605	Replaces 6754519	
6756001	33	III-A	6757621	Replaced by 6768707	
6756119	17	VII-A	6757621	Replaces 6754550	
6756233	57	I	6757634	Replaces 6755803	
6756233	62	I-A	6757634	23	III
6756321	34	II	6757634	26	III-A
6756348	65	III	6757709	48	I
6756362	12	VII-A	6757709	46	I-A
6756519	22	I	6757712	Replaced by 6772408	
6756519	27	I-A	6757712	Replaces 6755325	
6756615	10	VI-A	6757713	Replaced by 6769453	
6756616	Replaced by 6772307		6757713	Replaces 6755467	
6756618	5	VI-A	6757729	Replaces 6754489	
6756620	4	VI-A	6757737	44	II
6756627	4	VI-A	6757757	45	II
6756629	Replaced by 3702744		6757758	47	IV
6756629	58	I	6757783	Replaced by 6759948	
6756629	63	I-A	6758054	26	IV
6756637	34	V-A	6758124	19	II
6756644	24	I	6758213	Replaced by 6768644	
6756644	29	I-A	6758213	Replaces 6753849	
6756658	6	VII-A	6758284	Replaced by 6768903	
6756659	6	VII-A	6758284	Replaces 6755463	
6756689	30	II	6758295	29	II
6756689	40	IV	6758296	Replaces 6703224	
6756691	41	IV	6758296	28	III
6756693	45	I	6758296	31	III-A
6756693	50	I-A	6758592	Replaced by 6772735	
6756693	60	III	6758597	55	III
6756693	63	III-A	6758597	58	III-A
6756706	31	II	6758599	Replaced by 6768956	
6756706	37	IV	6758599	Replaces 6754549	
6756847	Replaces 6755999		6758777	20	III
6756847	30	III	6758987	Replaced by 6772328	
6756847	33	III-A	6758988	10	VI-A
6756856	18	II	6759462	Replaces 6754962	
6756864	15	VII-A	6759462	1	II
6756865	25	IV	6759906	3	I-A
6756869	17	IV	6759906	3	III-A
6756872	34	I	6759926	1	I-A
6756872	39	I-A	6759926	1	III-A
6756913	8	IV	6759927	6	I-A
6756946	26	IV	6759928	8	I-A
6756947	24	IV	6759930	Replaced by 6772312	
6756947	14	VII-A	6759932	10	I-A
6757086	Replaced by 6768706		6759946	Replaces 6754501	
6757374	Replaced by 9411628		6759946	14	IV
6757426	40	II	6759947	Replaces 6755372	
6757426	7	IV	6759947	14	IV
6757521	35	II	6759948	Replaced by 6772734	
			6759948	Replaces 6757783	

NUMERICAL PARTS INDEX

PART NO	REFERENCE NO	FIGURE NO	PART NO	REFERENCE NO	FIGURE NO
6763013	Replaces 7374627		6769090	Replaced by 6769621	
6763013	3, 19	IV	6769091	Replaced by 6769856	
6764025	48	IV	6769091	Replaces 6755838	
6768267	Replaces 6750272		6769105	11	III
6768267	43	I	6769234	Replaces 6755271	
6768267	52	I-A	6769234	59	I
6768267	61	III	6769234	64	I-A
6768267	64	III-A	6769453	Replaces 6757713	
6768346	42	IV	6769453	10	III
6768425	24	II	6769530	Replaces 6757599	
6768425	30	IV	6769530	40	III
6768426	20	II	6769530	43	III-A
6768426	35	IV	6769621	Replaces 6769090	
6768644	Replaces 6758213		6769621	42	III
6768644	35	III	6769622	Replaces 6769089	
6768644	38	III-A	6769622	52	III
6768706	Replaces 6757086		6769623	Replaces 6769044	
6768706	34	III	6769623	50	III
6768706	37	III-A	6769818	4	III
6768707	Replaces 6757621		6769818	10	III-A
6768707	33	III	6769849	Replaces 6769049	
6768707	36	III-A	6769849	64	III
6768714	Replaces 6757605		6769856	Replaces 6769091	
6768714	26	III	6769856	21	III
6768714	29	III-A	6769856	25	III-A
6768727	11	III	6769876	1	III
6768902	Replaces 6755464		6769876	7	III-A
6768902	18	III	6769877	Not shown, listed page VI-3	
6768902	22	III-A	6769878	2	III
6768903	Replaces 6758284		6769878	8	III-A
6768903	11	III	6769908	19	II
6768903	15	III-A	6769988	15	VI-A
6768955	Replaces 6754549		6770239	Replaced by 6755903	
6768955	39	I	6770239	Replaces 8347316	
6768955	44	I-A	6771296	Replaces 6754999	
6768956	Replaces 6758599		6771296	15	III
6768956	50	III	6771296	19	III-A
6768956	53	III-A	6772301	12	III-A
6769044	Replaced by 6769623		6772307	Replaces 6756616	
6769045	21	III	6772307	10	VI-A
6769048	19	III	6772309	6	III-A
6769049	Replaced by 6769849		6772310	14	III-A
6769050	52	IV	6772312	Replaces 6759930	
6769051	50	IV	6772312	2	I-A
6769052	59	III	6772312	2	III-A
6769053	Not shown, listed page III-5		6772328	Replaces 6758987	
6769055	40	III	6772328	10	VI-A
6769057	43	IV	6772408	Replaces 6757712	
6769060	10	III	6772408	7	III
6769061	33	III	6772734	Replaces 6759948	
6769062	26	III	6772734	11	IV
6769073	57	III	6772735	Replaces 6758592	
6769089	Replaced by 6769622		6772735	42	II

Allison
SERVICE KITS

**ENGINEERED
FOR YOUR
CONVENIENCE**

Complete Parts Kits for Faster Routine Overhauls

ORDER ONE PART NUMBER

One kit, including
seals, gaskets, other
expendable items.

GET THE JOB MOVING

with factory-protected,
packaged parts.

ELIMINATE

"parts-bin-guess"

SIMPLIFY

parts storage

You can make parts procurement and storage easier
and simpler by ordering KITS instead of many assorted parts.
Renew critical items at normal overhaul rather than risk
special rebuild. These kits supply all special seals and gaskets
needed for a routine overhaul. Certain expendable items
such as shims and washers are also included.

See reverse side for listing of Service Kits for your Torqmatic Drive.



ALLISON DIVISION • GENERAL MOTORS CORPORATION • BOX 894 • INDIANAPOLIS 6, INDIANA

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

BASIC OVERHAUL KIT - P/N 6759026
Used on all TC-200 Torqmatic Converters

OVERHAUL KIT - P/N 6759027
Used on TC-200 Torqmatic Converter with automotive shaft,
rear disconnect clutch, and chain coupling outputs
Used with Basic Overhaul Kit - P/N 6759026

OVERHAUL KIT - P/N 6759028
Used on TC-200 Torqmatic Converter with industrial shaft or bevel pinion outputs
Used with Basic Overhaul Kit - P/N 6759031

OVERHAUL KIT - P/N 6759029
Used on TC-200 Torqmatic Converter with governor drive output
Used with Basic Overhaul Kit - P/N 6759026

BASIC SEAL AND GASKET KIT - P/N 6759030
Used on all TC-200 Torqmatic Converters

DRIVE RING KIT - P/N 6769913
Used on TC-200-300 Torqmatic Converters

BASIC OVERHAUL KIT - P/N 6759031
Used on all TC-300 Torqmatic Converters

OVERHAUL KIT - P/N 6759032
Used on TC-300 Torqmatic Converter with automotive shaft,
rear disconnect clutch or chain coupling outputs
Used with Basic Overhaul Kit - P/N 6759031

OVERHAUL KIT - P/N 6759033
Used on TC-300 Torqmatic Converter with industrial shaft output
Used with Basic Overhaul Kit - P/N 6759031

OVERHAUL KIT - P/N 6759034
Used on TC-300 Torqmatic Converter with industrial output shaft with extra-duty bearings
Used with Basic Overhaul Kit - P/N 6759031

OVERHAUL KIT - P/N 6759035
Used on TC-300 Torqmatic Converter with governor drive output
Used with Basic Overhaul Kit - P/N 6759031

OVERHAUL KIT - P/N 6759036
Used on TC-300 Torqmatic Converter with governor drive output with extra-duty bearings
Used with Basic Overhaul Kit - P/N 6759031

BASIC SEAL AND GASKET KIT - P/N 6759038
Used on all TC-300 Torqmatic Converters

SEAL AND GASKET KIT - P/N 6759039
Used on TC-300 Torqmatic Converter with governor drive output
Used with Basic Seal & Gasket Kit - P/N 6759038

SEAL AND GASKET KIT - P/N 6759040
Used on TC-300 Torqmatic Converter with automotive shaft,
rear disconnect clutch, or chain coupling drive output
Used with Basic Seal & Gasket Kit - P/N 6759038

Designed especially for you . . .



You won't be guessing in your selecting

FOREWORD

This catalog contains parts information for all models of the 200-300 Series Allison Torqmatic Converters.

Information not covered in this catalog can be obtained by writing to the Transmissions Service Manager, Allison Division, GMC, Indianapolis 6, Indiana.

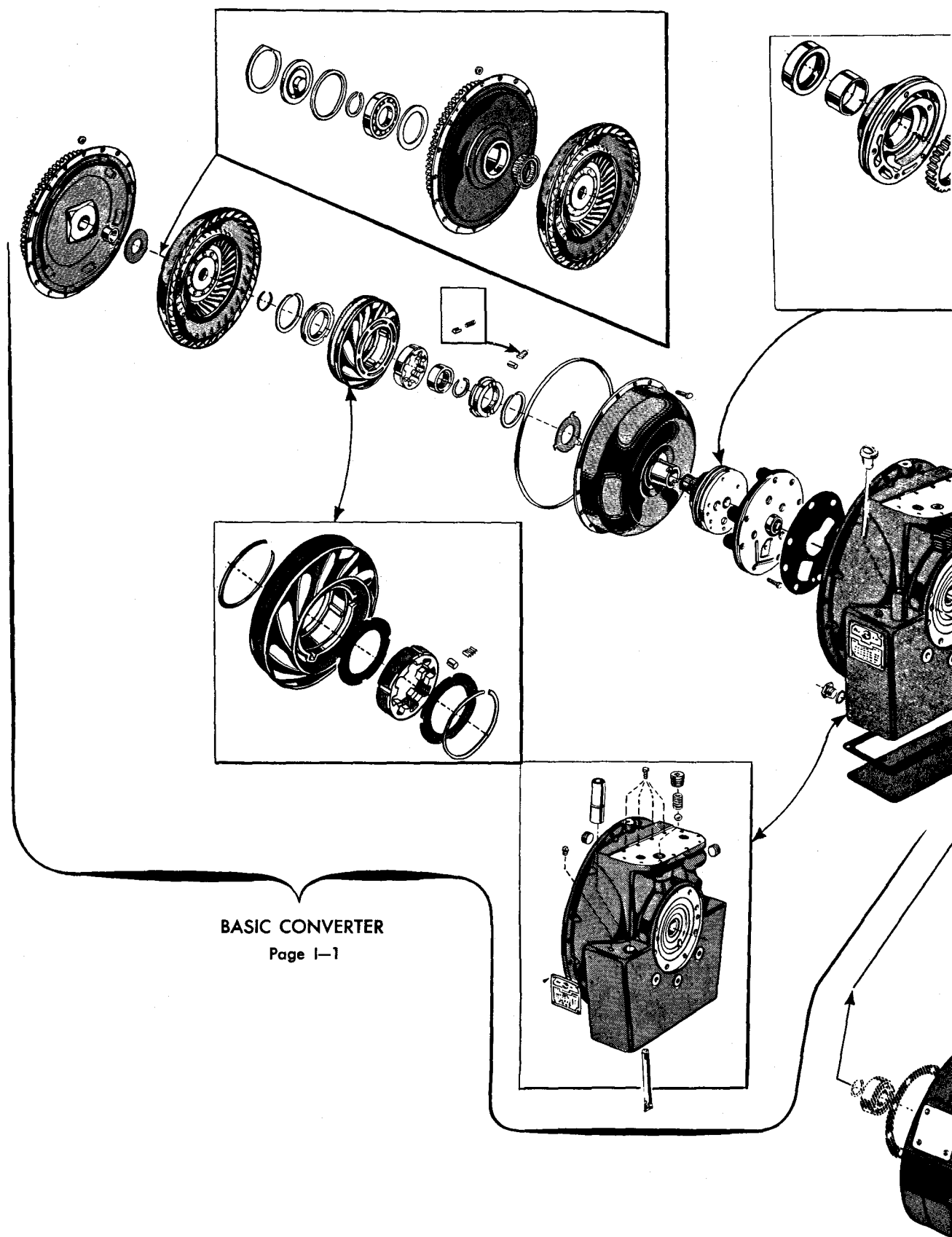
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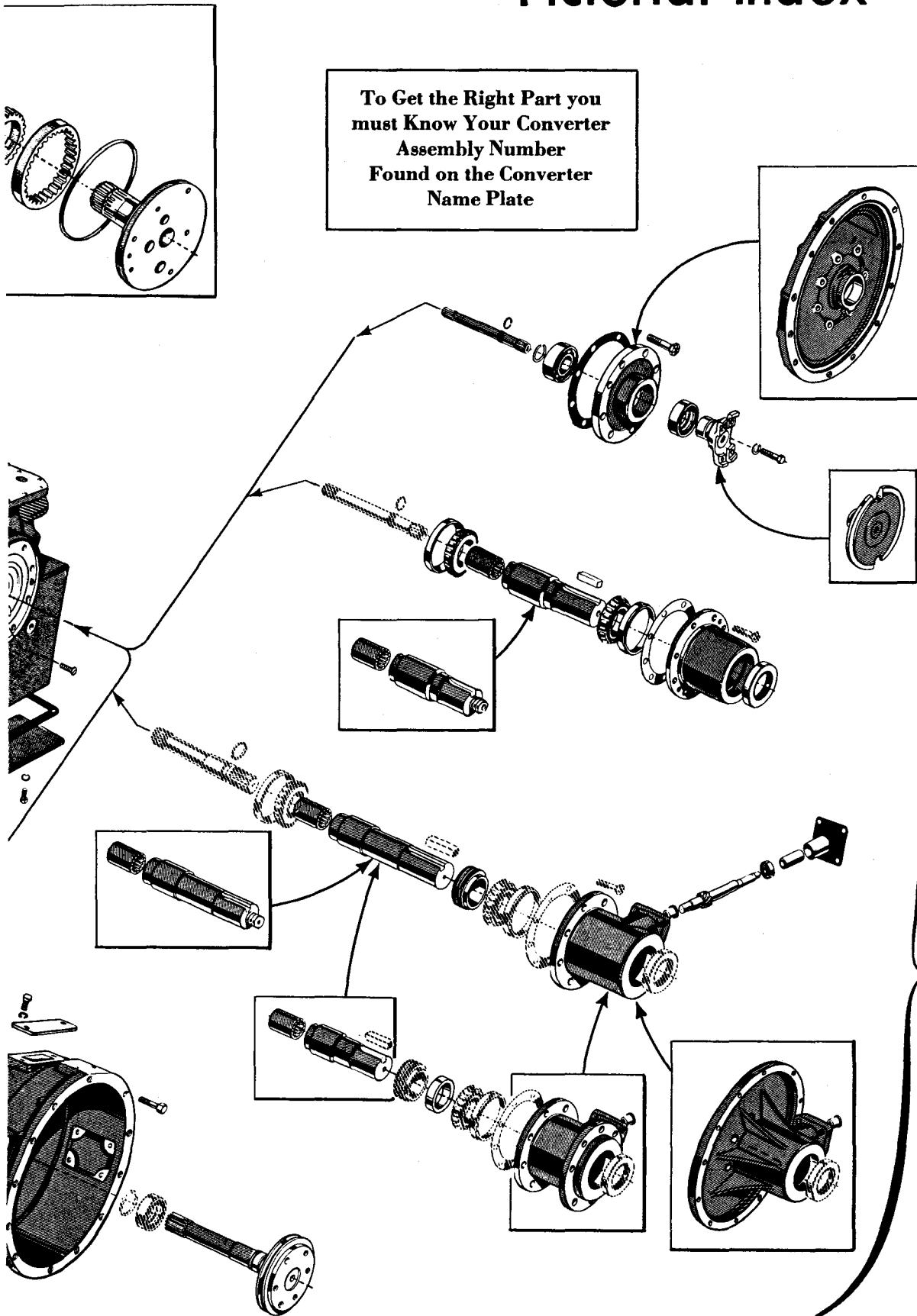
The complete line of Allison Torqmatic Drives includes the Allison Torqmatic Converter, the Allison Torqmatic Transmission and the Allison Marine Transmission. Literature on these products is available. Address requests for this information to the Commercial Sales Department.

ALLISON DIVISION
GENERAL MOTORS CORPORATION
Indianapolis 6, Indiana

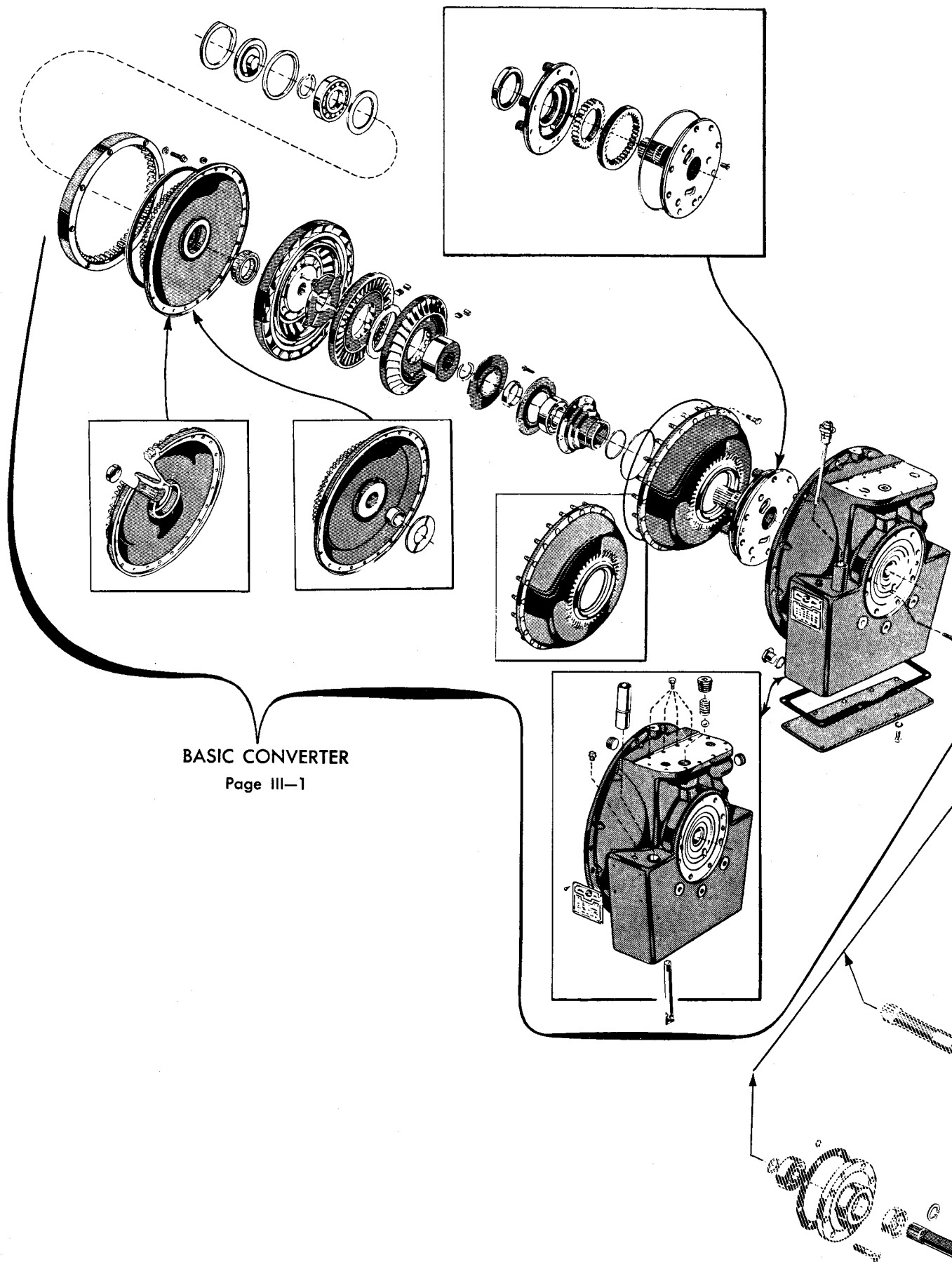


Pictorial Index

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



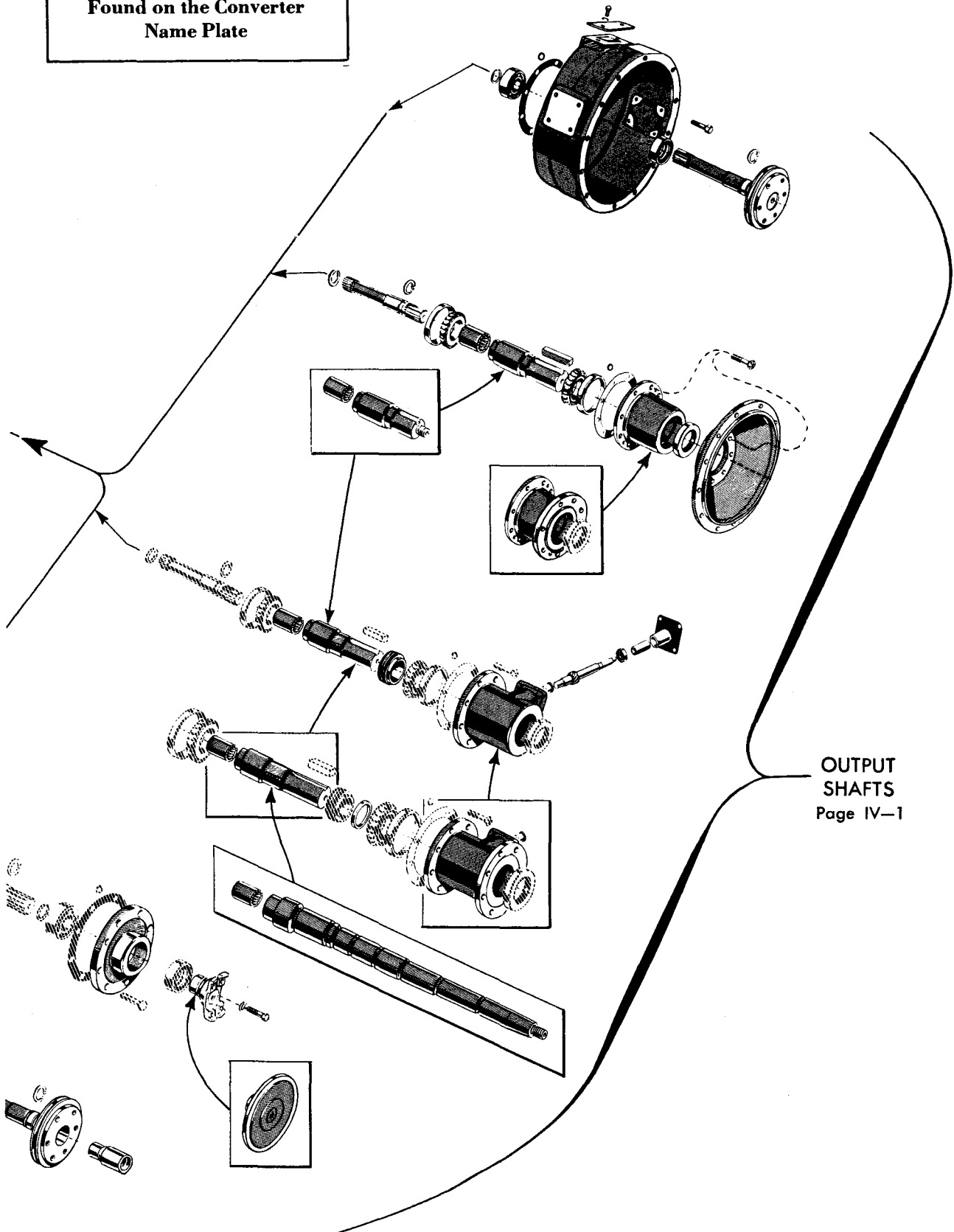
OUTPUT
SHAFTS
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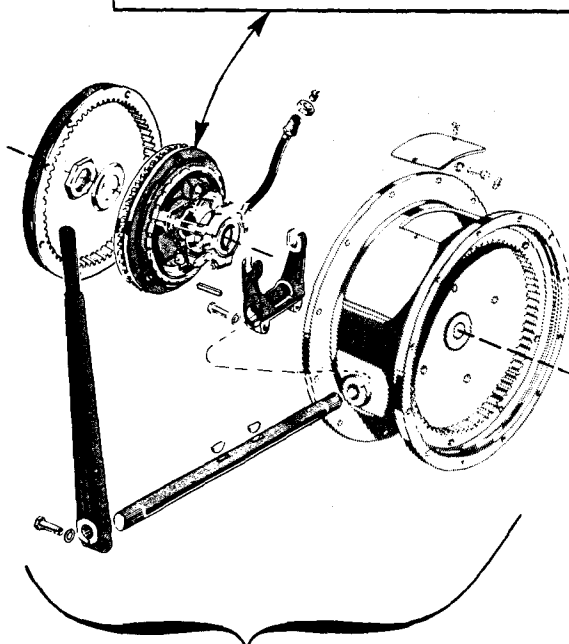
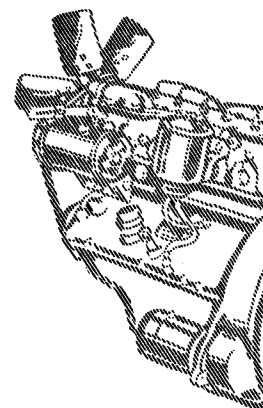
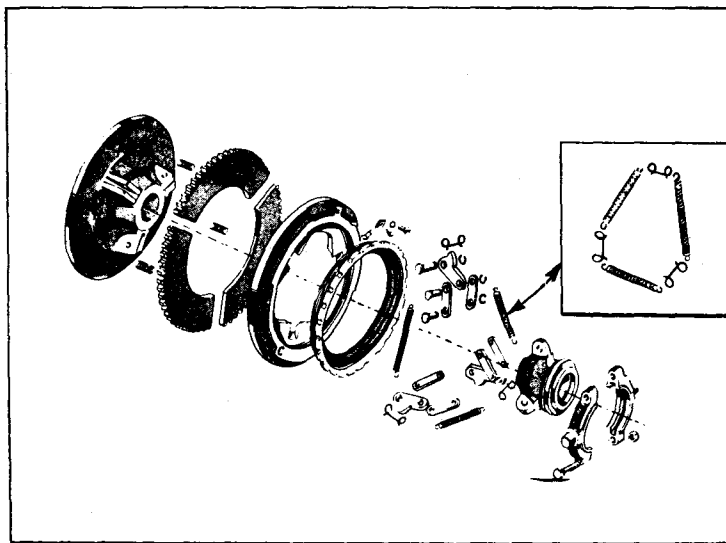
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Pictorial Index

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

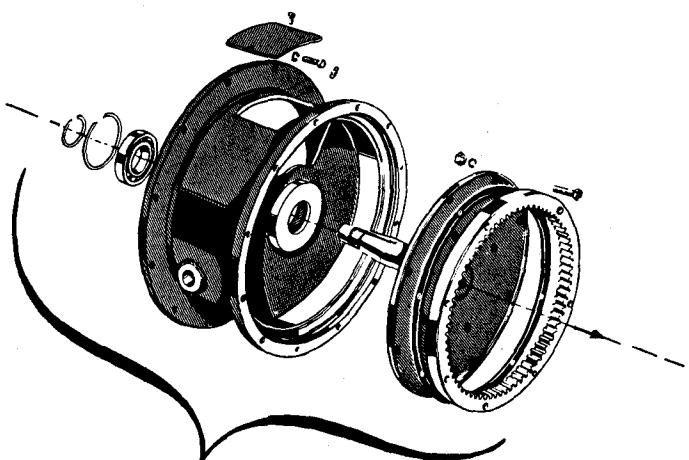


OUTPUT
SHAFTS
Page IV-1



MANUAL INPUT
DISCONNECT CLUTCH
ASSEMBLY OPTION

Page V-1



MANUAL INPUT DISCONNECT
CLUTCH HOUSING OPTION

Page VI-1

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

Pictorial Index

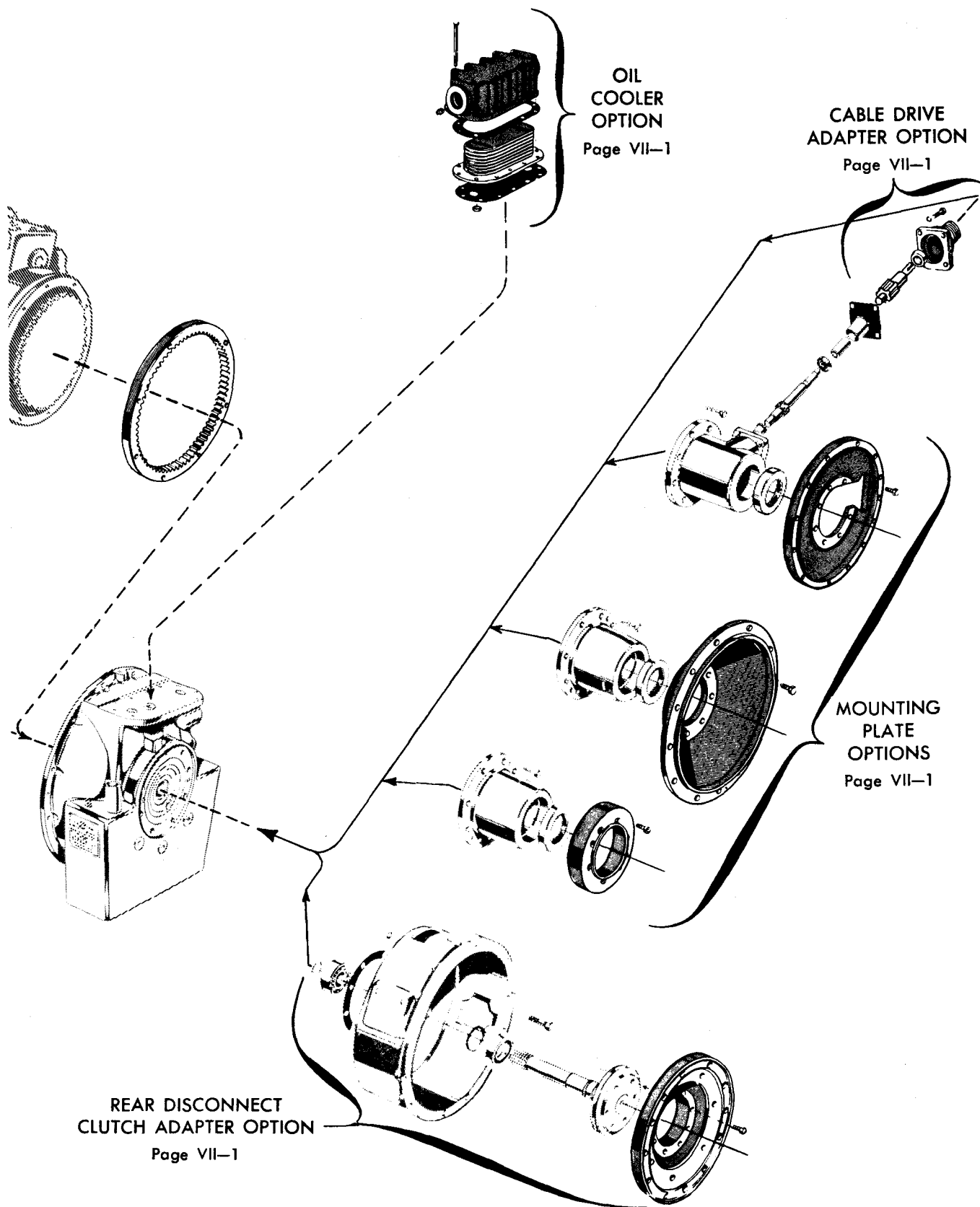


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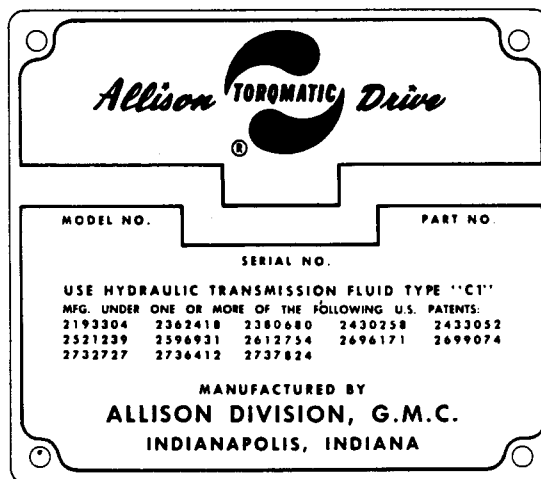
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Important

HOW TO FIND THE RIGHT PARTS WITH THIS PARTS CATALOG

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

This Torqmatic converter assembly part number, and option number appear on the name plate attached to the housing. The name plate is illustrated below.



Facsimile of Name Plate attached to the Allison Torqmatic Converter housing.

NEXT, turn to the "Pictorial Index" on pages 2 through 7, which will aid you in locating the parts you want. Each group listing is preceded by the Torqmatic converter assembly part numbers (A/N). Be sure the parts you want are right for your model converter. Check your Torqmatic converter assembly part number with the numbers preceding each group listing. Do not use the figure reference numbers when ordering parts.

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

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

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

Pages 10 through 13 will further help you in ordering correctly the parts you need.

MODEL DESIGNATION CHART
(Series 200-300 Torqmatic Converters)

BASIC TORQMATIC CONVERTERS: LETTERS

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

SERIES DESIGNATION: FIRST TWO DIGITS

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

CONVERTER BASIC VARIATIONS: THIRD DIGIT

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

CONVERTER OPTIONS: LAST THREE DIGITS

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

(Continued on next page)

MODEL DESIGNATION CHART - Continued

CONVERTER OPTIONS: LAST THREE DIGITS - Continued

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

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.

If you order part number 4597006, you will receive part 4597006 only.

If you order part number 67076016, you will receive part 67076016 only.

The numbers appearing in the column under REF are the item reference numbers appearing in the illustrations.

Summary

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

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

HOW TO ORDER PARTS

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

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

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.

NOTE

You will find a quick reference form on page 15 for listing your Allison Torqmatic Converter model and assembly part numbers. Fill it in now — it may save you many hours later.

GLOSSARY OF ABBREVIATIONS

adptr	adapter	lng	long
&	and	mnfld	manifold
assy	assembly	med	medium
A/N	Assembly Number	mntg	mounting
ar	as required	NC	National Coarse Thread
avail	available	NF	National Fine Thread
brng	bearing	NPT	National Taper Pipe Thread
brkt	bracket	ND	New Departure
brk	brake	no	number
bshng	bushing	OD	outside diameter
ctr	center	OL	overall length
cls	class	OS	oversize
cl	cluster	pack	packing
clu	clutch	pinn	pinion
C/o	consists of	pln	plain
c-pin	cotter pin	plnt	planetary
c'sunk	countersunk	presr	pressure
dia	diameter	regltr	regulator
div	division	rtnr	retainer
drv	drive	rnd	round
drvn	driven	S/N	Serial Number
drvng	driving	srvc	service
ea	each	SIL	Service Information Letter
exc	except	SK	Service Kit
exch	exchange	sltd	slotted
expn	expansion	spr	spacer
extrnl	external	spcl	special
fil hd	fillister head	speedo	speedometer
flng	flange	sq	square
flx	flexible	sq-sckt	square socket
flywhl	flywheel	std	standard
frt	front	temp	temperature
gskt	gasket	thrd	thread
gov	governor	trns	transmission
hd	head	undrsz	undersize
hx	hexagon	upr	upper
hsng	housing	wshr	washer
hydr	hydraulic	W/	with
incl	includes	W/out	without
ID	inside diameter		
instr	instrument		
inter	intermediate		
intrnl	internal		

**QUICK REFERENCE LISTING
FOR YOUR TORQMATIC DRIVE**

Fill In Now

ALLISON TORQMATIC CONVERTER

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

ALLISON TORQMATIC CONVERTER

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

ALLISON TORQMATIC CONVERTER

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

ALLISON TORQMATIC CONVERTER

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

ALLISON TORQMATIC CONVERTER

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

ALLISON TORQMATIC CONVERTER

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

ALLISON TORQMATIC CONVERTER

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

ALLISON TORQMATIC CONVERTER

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

ALLISON TORQMATIC CONVERTER

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

TC-200 SERIES BASIC TORQMATIC CONVERTER

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

A/N*	MODEL	GROUP	PAGE
6755291	TC 244	A	I-3
6755292	TC 245	A	I-3
6755386	TCA 245	A	I-3
6755387	TCRD 246	A	I-3
6756320	TCA 248	A	I-3
6756733	TC 248	A	I-3
6756751	TCA 247	A	I-3
6757848	TC 248	A	I-3
6757850	TC 244	A	I-3
6758071	TCA 248	A	I-3
6758320	TCA 248	A	I-3
6758586	TCRD 246	A	I-3
6770237	TCA 247	A	I-3
6770518	TCO 245	B	I-5
6771200	TCOA 245	B	I-5
6771244	TCOA 247	B	I-5
6771706	TCOA 245	B	I-5
6772099	TCOA 247	B	I-5
6772102	TCOA 248	B	I-5
6772207	TCOA 248	B	I-5

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

ALLISON TORQMATIC CONVERTER SERIES 200-300 PARTS CATALOG

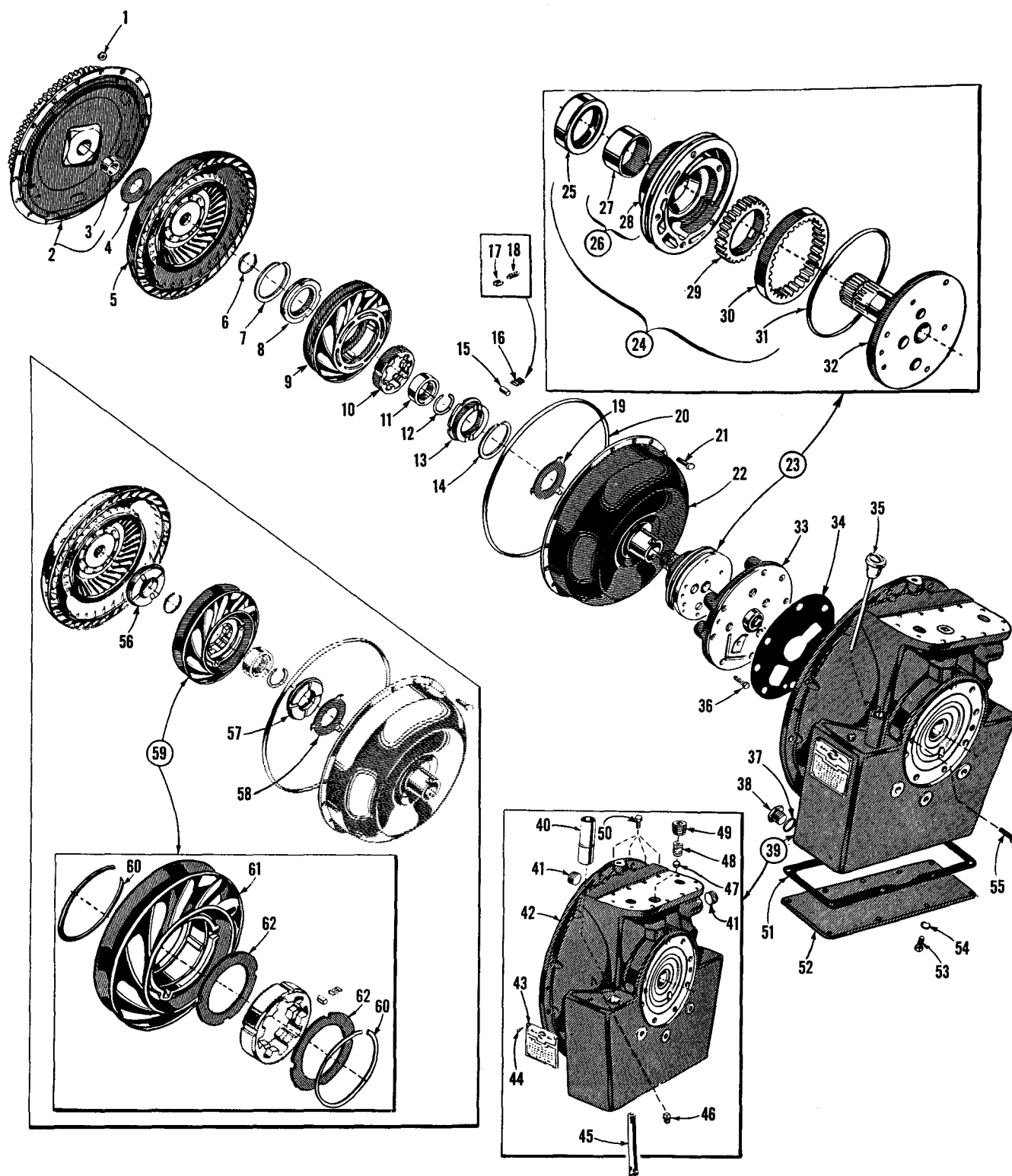


Fig I. TC-200 SERIES BASIC TORQMATIC CONVERTER, EXPLODED VIEW

GROUP A
TC-200 SERIES BASIC TORQMATIC CONVERTER, Figure I

REF	NOMENCLATURE	PART NO	REQ
1	NUT (Avail also in SK 6759026)	451006	18
2	GEAR & COVER ASSY	6755221	1
3	BUSHING	3702079	1
4	WASHER, Turbine thrust (Avail also in SK 6759026)	3719262	1
5	TURBINE ASSY	3702724	1
6	RING, External, snap, 1 1/4 OD (Avail also in SK 6759026)	6750046	1
7	RING, Internal, snap, 3.45 ID	3702104	1
8	WASHER, Thrust	3735785	1
9	STATOR ASSY (Use 6769234 prior to S/N 31823. Starting with S/N 31823 use 3796309) (See SIL 500)	3796309	1
10	CAM, Stator freewheel	3719260	1
11	RACE, Freewheel roller	6754958	1
12	RING, External, snap, 1 1/4 OD (Avail also in SK 6759026)	6750046	1
13	WASHER, Thrust	3735785	1
14	RING, Internal, snap, 3.45 ID	3702104	1
15	ROLLER, Stator freewheel (Avail also in SK 6759026)	3702101	8
16	SPRING, Roller (Avail also in SK 6759026) . . .	3719261	8
17	GUIDE, Roller (use prior to S/N 19439 only) (Avail also in SK 6759026)	3691806	8
18	SPRING, Roller (use prior to S/N 19439 only) (Avail also in SK 6759026)	3689751	8
19	WASHER, Converter pump thrust (Use 6756629 prior to S/N 31823. Starting with S/N 31823 use 3702744) (See SIL 500)	3702744	1
20	RING, Seal, 12 ID x 0.139 dia (See SIL 150) (Avail also in SK 6759026 and 6759030)	3713622	1
21	BOLT, Spcl (Avail also in SK 6759026)	3717166	18
22	PUMP ASSY, Converter (TC 240 Series 2.0:1 stall torque ratio)	3702742	1
23	PUMP ASSY, Charging oil (Use 6755266 prior to S/N 31823. Starting with S/N 31823 use 6773200)	6773200	1
24	GEAR & BODY ASSY	6756644	1
25	SEAL, Oil (See SIL 165) (Avail also in SK 6759026 and 6759030)	3772748	1
26	BODY ASSY, Oil pump	*	1
27	BUSHING (Avail also in SK 6759026) . . .	3702069	1
28	BODY, Oil pump	*	1
29	GEAR, Charging oil pump drv	*	1
30	GEAR, Charging oil pump drvn	*	1
31	RING, Seal (Avail also in SK 6759026 and 6759030)	3689826	1
32	SUPPORT, Stator (ground sleeve) (Use 6754964 prior to S/N 31823. Starting with S/N 31823 use 6773199) (See SIL 500)	6773199	1

(CONTINUED ON NEXT PAGE)

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

ALLISON TORQMATIC CONVERTER SERIES 200-300 PARTS CATALOG

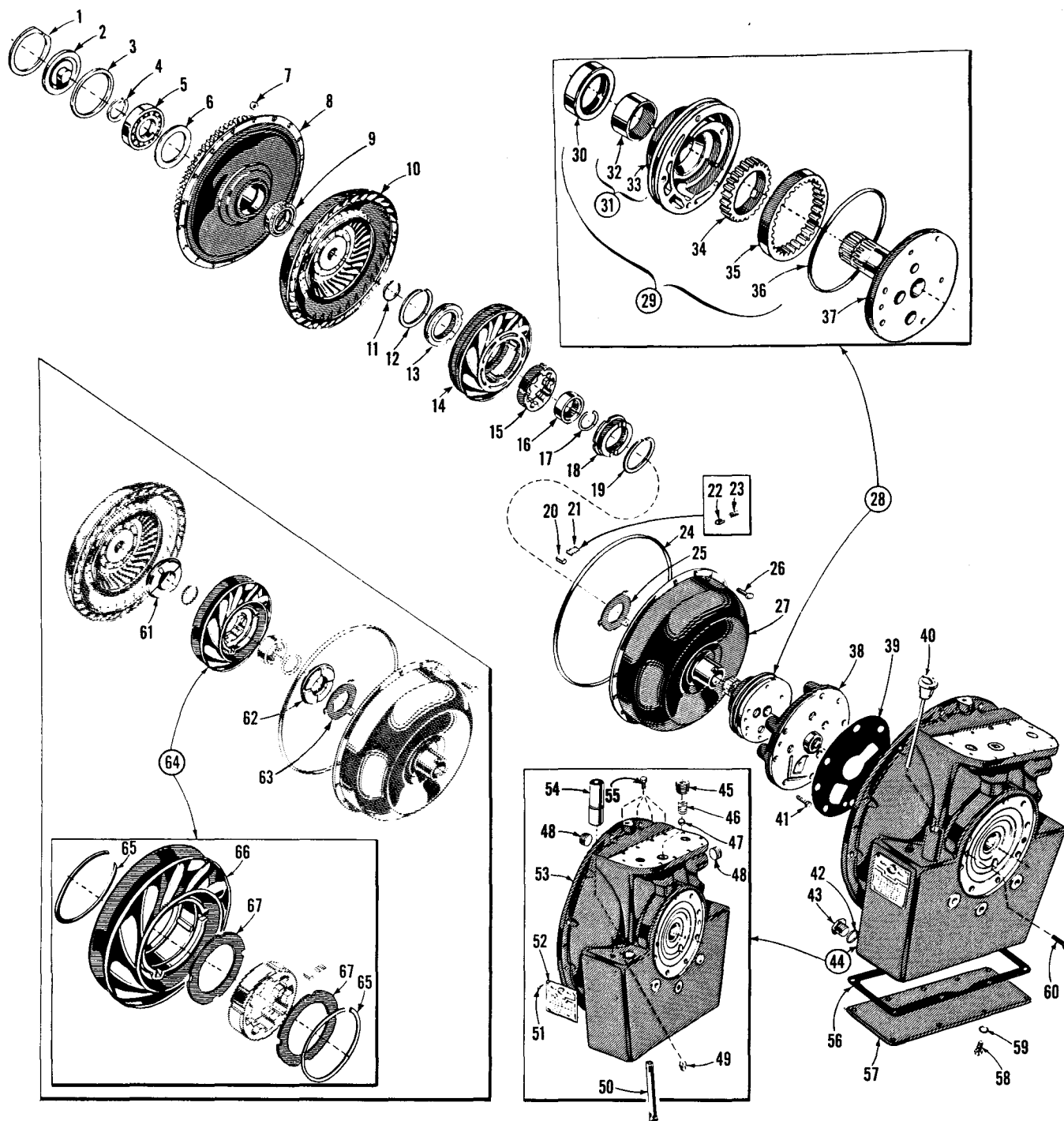


Fig. I-A. TC-200 SERIES BASIC TORQMATIC CONVERTER, EXPLODED VIEW
(WITH OVERRUNNING CLUTCH)

GROUP A (CONT'D)
 TC-200 SERIES BASIC TORQMATIC CONVERTER, Figure I

REF	NOMENCLATURE	PART NO	REQ
33	ADAPTER, Charging oil pump	6754968	1
34	GASKET (See SIL 137) (Avail also in SK 6759026 and 6759030)	6756872	1
35	INDICATOR, Oil level	6755786	1
36	BOLT, Hx hd self-locking, 1/4-20x1	9409062	5
37	GASKET, Annular (Avail also in SK 6759026 and 6759030)	105456	1
38	PLUG, Drain	6701230	1
39	HOUSING ASSY, Converter (See SIL 136)	6768955	1
40	SLEEVE, Oil filler	6755789	1
41	PLUG, Sq-sckt hd, 3/4 NPT	444672	2
42	HOUSING, Converter (See SIL 137)	*	1
43	PLATE, Torqmatic converter name	6768267	1
44	SCREW, Rnd hd drv, #4 x 1/4	142862	4
45	TUBE, Oil cooler return	6756693	1
46	PLUG, Pipe, 1/4	444576	1
47	BALL	453621	1
48	SPRING	6757709	1
49	PLUG, Sq hd pipe, 1	444678	1
50	BOLT, Hx hd, 5/16-18 x 1/2 (See SIL 196)	179812	4
51	GASKET, Sump plate (Avail also in SK 6759026 and 6759030)	6754490	1
52	PLATE, Sump	6754495	1
53	BOLT, Hx hd, 5/16-18x7/8	179817	9
54	WASHER, Lock, 5/16	103320	9
55	SCREW, Flat 1/4-20x1 3/4 (See SIL 161.)	113998	2
56	WASHER, Stator front thrust (Used prior to S/N 31823 only) (Avail also in SK 6759026) (See SIL 500)	3709094	1
57	WASHER, Stator rear thrust (See SIL 127) (Used prior to S/N 31823 only) (See SIL 500)	6756233	1
58	WASHER, Converter pump thrust (Used prior to S/N 31823 only) (Avail also in SK 6759026) (See SIL 500)	6756629	1
59	STATOR ASSY (Used prior to S/N 31823 only) (See SIL 500)	6769234	1
60	RING, Snap (Used prior to S/N 31823 only) (See SIL 500)	3702104	2
61	STATOR (Used prior to S/N 31823 only) (See SIL 500)	3702688	1
62	WASHER, Cam thrust (Used prior to S/N 31823 only) (See SIL 500)	3702103	2

GROUP B
 TC-200 SERIES BASIC TORQMATIC CONVERTER, Figure I-A
 (WITH OVERRUNNING CLUTCH)

1	RING, Internal snap, 3.361 OD	6759926	1
2	COVER, Bearing	6772312	1
3	RING, Square section seal, 3.107 ID	6759906	1
4	RING, External snap, 1.404 ID	6750127	1
5	BEARING ASSY, Single row ball	903208	1

(CONTINUED ON NEXT PAGE)

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

GROUP B (CONT'D)

TC-200 SERIES BASIC TORQMATIC CONVERTER, Figure I-A

REF	NOMENCLATURE	PART NO	REQ
6	RETAINER, Sprag	6759927	1
7	NUT (Avail also in SK 6759026)	451006	18
8	GEAR & COVER ASSY	6759928	1
9	SPRAG ASSY	8618363	1
10	TURBINE ASSY	6759932	1
11	RING, External, snap, 1 1/4 OD (Avail also in SK 6759026)	6750046	1
12	RING, Internal, snap, 3.45 ID	3702104	1
13	WASHER, Thrust	3735785	1
14	STATOR ASSY (Use 6769234 prior to S/N 31823. Starting with S/N 31823 use 3796309) (See SIL 500)	3796309	1
15	CAM, Stator freewheel	3719260	1
16	RACE, Freewheel roller	6754958	1
17	RING, External, snap, 1 1/4 OD (Avail also in SK 6759026)	6750046	1
18	WASHER, Thrust	3735785	1
19	RING, Internal, snap, 3.45 ID	3702104	1
20	ROLLER, Stator freewheel (Avail also in SK 6759026)	3702101	8
21	SPRING, Roller (Avail also in SK 6759026)	3719261	8
22	GUIDE, Roller (use prior to S/N 19439 only) (Avail also in SK 6759026)	3691806	8
23	SPRING, Roller (Use prior to S/N 19439 only).	3689751	8
24	RING, Seal, 12 ID x .139 dia (See SIL 150) (Avail also in SK 6759026 and 6759030)	3713622	1
25	WASHER, Converter pump thrust	3702744	1
26	BOLT, Spcl (Avail also in SK 6759026)	3717166	18
27	PUMP ASSY, Converter (TC 240 Series 2.0:1 stall torque ratio)	3702742	1
28	PUMP ASSY, Charging oil	6773200	1
29	GEAR & BODY ASSY	6756644	1
30	SEAL, Oil (See SIL 165) (Avail also in SK 6759026 and 6759030)	3772748	1
31	BODY ASSY, Oil pump	*	1
32	BUSHING (Avail also in SK 6759026)	3702069	1
33	BODY, Oil pump	*	1
34	GEAR, Charging oil pump drv	*	1
35	GEAR, Charging oil pump drvn	*	1
36	RING, Seal (Avail also in SK 6759026 and 6759030)	3689826	1
37	SUPPORT, Stator (ground sleeve)	6773199	1
38	ADAPTER, Charging oil pump	6754968	1
39	GASKET (See SIL 137) (Avail also in SK 6759026 and 6759030)	6756872	1
40	INDICATOR, Oil level	6755786	1
41	BOLT, Hx hd self-locking, 1/4-20x1	9409062	5
42	GASKET, Annular (Avail also in SK 6759026 and 6759030)	105456	1
43	PLUG, Drain	6701230	1

(CONTINUED ON NEXT PAGE)

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

GROUP B (CONT'D)
 TC-200 SERIES BASIC TORQMATIC CONVERTER, Figure I-A

REF	NOMENCLATURE	PART NO	REQ
44	HOUSING ASSY, Converter (See SIL 136)	6768955	1
45	PLUG, Sq hd pipe, 1	444678	1
46	SPRING	6757709	1
47	BALL	453621	1
48	PLUG, Sq-sckt hd, 3/4 NPT	444672	2
49	PLUG, Pipe, 1/4	444576	1
50	TUBE, Oil cooler return	6756693	1
51	SCREW, Rnd hd drv, #4 x 1/4	142862	4
52	PLATE, Torqmatic converter name	6768267	1
53	HOUSING, Converter (See SIL 137)	*	1
54	SLEEVE, Oil filler	6755789	1
55	BOLT, Hx hd, 5/16-18 x 1/2 (See SIL 196)	179812	4
56	GASKET, Sump plate (Avail also in SK 6759026 and 6759030)	6754490	1
57	PLATE, Sump	6754495	1
58	BOLT, Hx hd, 5/16-18 x 7/8	179817	9
59	WASHER, Lock, 5/16	103320	9
60	SCREW, Flat 1/4-20 x 1 3/4 (See SIL 161)	113998	2
61	WASHER, Stator front thrust (Used prior to S/N 31823 only) (Avail also in SK 6759026) (See SIL 500)	3709094	1
62	WASHER, Stator rear thrust (Used prior to S/N 31823 only) (Avail also in SK 6759026) (See SIL 500)	6756233	1
63	WASHER, Converter pump thrust (Used prior to S/N 31823 only) (Avail also in SK 6759026) (See SIL 500)	6756629	1
64	STATOR ASSY (Used prior to S/N 31823 only) (See SIL 500)	6769234	1
65	RING, Snap (Used prior to S/N 31823 only) (See SIL 500)	3702104	2
66	STATOR (Used prior to S/N 31823 only) (See SIL 500)	3702688	1
67	WASHER, Cam thrust (Used prior to S/N 31823 only) (See SIL 500)	3702103	2

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

TC-200 SERIES BASIC TORQMATIC CONVERTER OUTPUT SHAFTS

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

A/N*	MODEL	GROUP	PAGE
6755291	TC 244	A	II-3
6755292	TC 245	B	II-3
6755386	TCA 245	E	II-4
6755387	TCRD 246	D	II-4
6756320	TCA 248	F	II-4
6756733	TC 248	C	II-3
6756751	TCA 247	H	II-5
6757848	TC 248	C	II-3
6757850	TC 244	G	II-5
6758071	TCA 248	K	II-5
6758320	TCA 248	M	II-6
6758586	TCRD 246	J	II-5
6770237	TCA 247	L	II-5
6770518	TCO 245	G	II-5
6771200	TCOA 245	E	II-4
6771244	TCOA 247	L	II-5
6771706	TCOA 245	N	II-6
6772099	TCOA 247	H	II-5
6772102	TCOA 248	K	II-5
6772207	TCOA 248	F	II-4

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

ALLISON TORQMATIC CONVERTER SERIES 200-300 PARTS CATALOG

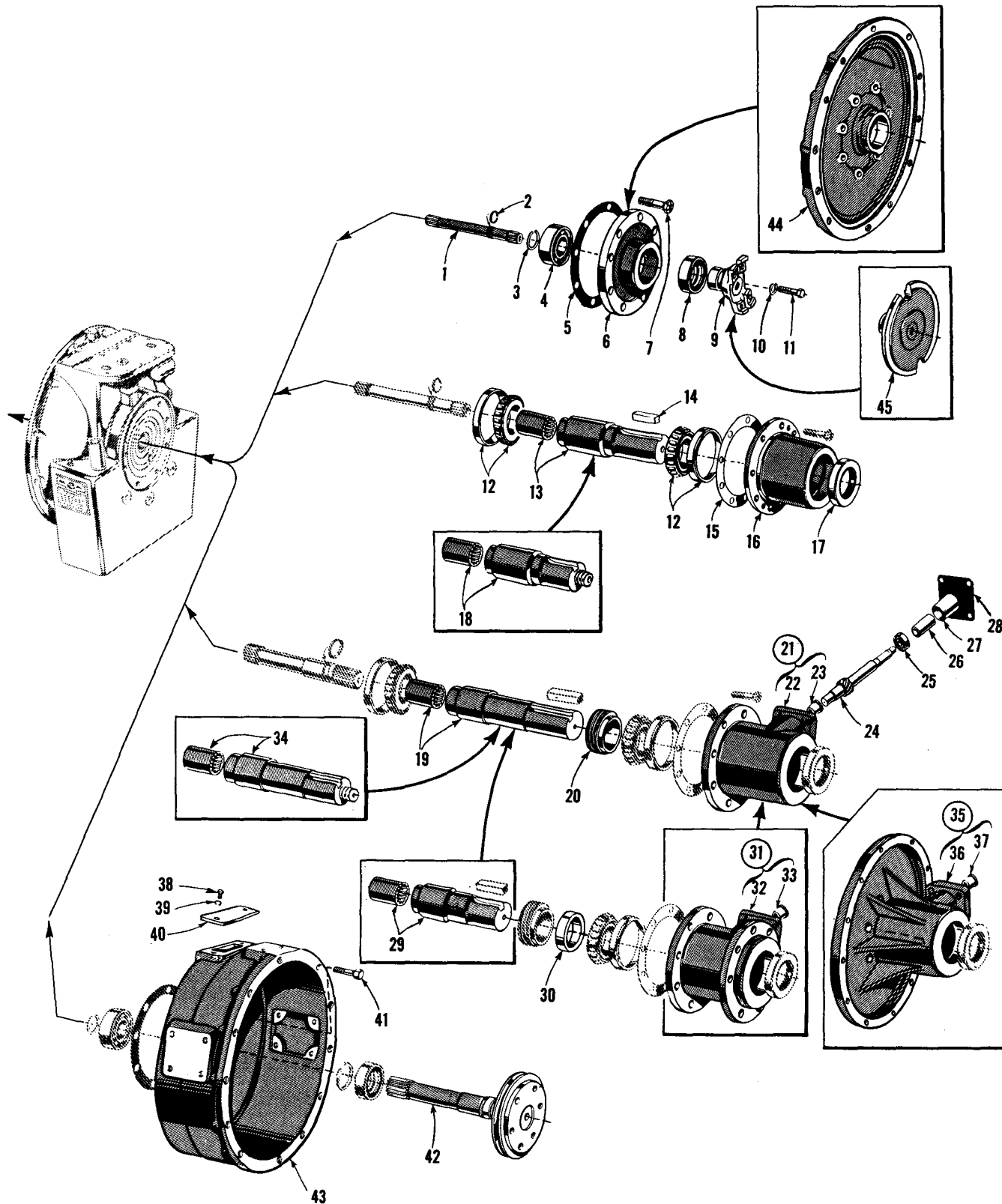


Fig II. TC-200 SERIES BASIC TORQMATIC CONVERTER OUTPUT SHAFTS, EXPLODED VIEW

GROUP A
TC-200 SERIES OUTPUT SHAFT (AUTOMOTIVE), Figure II

REF	NOMENCLATURE	PART NO	REQ
1	SHAFT, Turbine (See SIL 221)	6754962	1
2	RING, Hook type seal (Avail also in SK 6759026 and 6759030)	3689838	1
3	RING, Extrnl snap, 1.250 ID	6750046	1
4	BEARING ASSY, Single row ball (ND 3307L1A-1214 or its equivalent) (Avail also in SK 6759027)	907050	1
5	GASKET, Brng rtnr (Avail also in SK 6759027).	6753966	1
6	RETAINER, Brng	6755302	1
7	BOLT, Hx hd self-locking, 1/2-13x2 1/2	9409055	8
8	SEAL, Oil, 2.750 x 1.750 ID x .75 thick (Avail also in SK 6759027)	6773249	1
9	FLANGE ASSY (MAC) (See SIL 388)	6754963	1
10	WASHER, Lock, 1/2	103323	1
11	BOLT, Hx hd, 1/2-20x1 1/4	181429	1
12-45	Not used in this group.		

GROUP B
TC-200 SERIES OUTPUT SHAFT (INDUSTRIAL), Figure II
Same as Group A, except for parts listed below.

1	SHAFT, Turbine (See SIL 221)	6759462	1
3-6	Not used in this group.		
8-11	Not used in this group.		
12	BEARING ASSY, Tapered roller (Timken 397-3920 or its equivalent) (Avail also in SK 6759028 and 6759029)	6751541	2
13	SHAFT ASSY, Converter output	6755032	1
14	KEY, 5/8x5/8x3	6751531	1
15	SHIM, Brng hsng, .003 (Avail also in SK 6759028 and 6759029)	6753859	AR
15	SHIM, Brng hsng, .010 (Avail also in SK 6759028 and 6759029)	6753860	AR
16	HOUSING, Brng	6754508	1
17	SEAL, Oil, 3.378 OD x 2.35 ID x .483 wide (Avail also in SK 6759028 and 6759029)	6754506	1
18-45	Not used in this group.		

GROUP C
TC-200 SERIES OUTPUT SHAFT (BEVEL PINION MOUNTING), Figure II
Same as Group B except for parts listed below.

13-14	Not used in this group.		
18	SHAFT ASSY, Converter output	6756856	1

GROUP D

TC-200 SERIES OUTPUT SHAFT (SAE #3 REAR DISCONNECT CLUTCH HOUSING), Figure II
Same as Group A, except for parts listed below.

REF	NOMENCLATURE	PART NO	REQ
1	Not used in this group.		
4	BEARING ASSY, Single row ball (ND 3307X1A or its equivalent)	903307	1
6-7	Not used in this group.		
9-37	Not used in this group.		
38	BOLT, Hx hd, 3/8-16x3/4	179837	2
39	WASHER, Lock, 3/8	103321	2
40	SHIELD, Dust	6757426	1
41	BOLT, Hx hd self-locking, 1/2-13x2 3/4	9409203	8
42	SHAFT, Turbine	6755469	1
43	HOUSING, SAE #3 rear disconnect clu	6754349	1

GROUP E

TC-200 SERIES OUTPUT SHAFT (INDUSTRIAL SHAFT WITH ACCESSORY DRIVE), Figure II
Same as Group B except for parts listed below.

13	Not used in this group.		
16	Not used in this group.		
18	Not used in this group.		
19	SHAFT ASSY, Converter output	6755383	1
20	GEAR, Accessory drv, 2.5:1	6755619	1
21	HOUSING ASSY, Brng	6755377	1
22	HOUSING, Brng	*	1
23	BUSHING	2222424	1
24	GEAR, Accessory drvn, 2.5:1	6755618	1
25	BEARING ASSY, Single row ball (ND 3202 or its equivalent) (Avail also in SK 6759029)	903202	1
26	SLEEVE, Accessory drv	3224085	1
27	SPACER, 1.38 OD x .06 wall x 2.16	6751524	1
28	GASKET (Avail also in SK 6759029)	3224773	1

GROUP F

TC-200 SERIES OUTPUT SHAFT

(INDUSTRIAL SHAFT WITH ACCESSORY DRIVE AND BEVEL PINION MOUNTING). Figure II
Same as Group E, except for parts listed below.

7	BOLT, Hx hd, 1/2-13x2 3/4	9409203	8
14	Not used in this group.		
19	Not used in this group.		
21-23	Not used in this group.		
29-33	Not used in this group.		
34	SHAFT ASSY, Converter output	6756321	1
35	HOUSING ASSY, Brng	6757521	1
36	HOUSING, Brng	*	1
37	BUSHING	2222424	1

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

GROUP G
 TC-200 SERIES OUTPUT SHAFT (COUPLING), Figure II
 Same as Group A except for parts listed below.

REF	NOMENCLATURE	PART NO	REQ
6	Not used in this group.		
7	BOLT, Hx hd, 1/2-13 x 2 3/4	9409240	8
9	Not used in this group.		
44	RETAINER, Brng	6757737	1
45	COUPLING, Output drv	6757757	1

GROUP H
 TC-200 SERIES OUTPUT SHAFT
 (INDUSTRIAL SHAFT WITH EXTRA DUTY BEARINGS AND ACCESSORY DRIVE), Figure II
 Same as Group E, except for parts listed below.

7	BOLT, Hx hd, self-locking, 1/2-13 x 2 3/4 . . .	9409203	8
12	BEARING ASSY, Tapered roller (Timken 558S-553X or its equivalent)	456635	2
18-19	Not used in this group.		
21-23	Not used in this group.		
29	SHAFT ASSY, Converter output	6758295	1
30	SPACER, Converter output shaft	6756689	1
31	HOUSING ASSY, Brng	6756706	1
32	HOUSING	*	1
33	BUSHING	2222424	1

GROUP J
 TC-200 SERIES OUTPUT SHAFT (SAE #3 REAR DISCONNECT CLUTCH HOUSING), Figure II
 Same as Group D except for parts listed below.

4	BEARING ASSY, Single row ball	907050	1
42	SHAFT, Turbine (Also order bearing 907050 when replacing shaft 6758592) (See SIL 499)	6772735	1

GROUP K
 TC-200 SERIES OUTPUT SHAFT (INDUSTRIAL SHAFT WITH ACCESSORY DRIVE), Figure II
 Same as Group E except for parts listed below.

19	SHAFT ASSY, Converter output	6758124	1
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GROUP L
 TC-200 SERIES OUTPUT SHAFT (INDUSTRIAL), Figure II
 Same as Group H, except for parts listed below.

18	Not used in this group.		
19	SHAFT ASSY, Converter output	6769908	1
20	GEAR, Accessory drv, 1.69:1	6768426	1
24	GEAR, Accessory drvn, 1.69:1	6768425	1
29	Not used in this group.		

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

GROUP M

TC-200 SERIES OUTPUT SHAFT

(INDUSTRIAL SHAFT WITH ACCESSORY DRIVE AND BEVEL PINION MOUNTING), Figure II

Same as Group E, except for parts listed below.

REF	NOMENCLATURE	PART NO	REQ
7	BOLT, Hx hd, 1/2-13 x 2 1/2	9409055	8
35-37	Not used in this group.		

GROUP N

TC-200 SERIES OUTPUT SHAFT

(INDUSTRIAL SHAFT WITH ACCESSORY DRIVE), Figure II

Same as Group E, except for parts listed below.

19	SHAFT ASSY, Converter output	6772786	1
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TC-300 SERIES BASIC TORQMATIC CONVERTER

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

A/N*	MODEL	GROUP	PAGE	A/N*	MODEL	GROUP	PAGE
6755060	TC 324	A	III-3	6759666	TC 374	C	III-5
6755061	TC 325	A	III-3	6759667	TC 374	C	III-5
6755062	TCRD 326	A	III-3	6759668	TC 375	C	III-5
6755390	TCA 325	A	III-3	6759669	TC 377	C	III-5
6755395	TC 374	C	III-5	6759672	TCA 377	C	III-5
6755396	TC 375	C	III-5	6759674	TCRD 376	C	III-5
6755397	TCA 375	C	III-5	6759676	TCRD 379	C	III-5
6755398	TCRD 376	C	III-5	6759677	TCA 377	C	III-5
6756752	TC 327	A	III-3	6759706	TCA 377	C	III-5
6756753	TCA 327	A	III-3	6759730	TC 378	C	III-5
6756754	TC 377	C	III-5	6759741	TC 328	A	III-3
6756755	TCA 377	C	III-5	6759759	TCRD 329	A	III-3
6756789	TCA 378	C	III-5	6759767	TCA 377	C	III-5
6756914	TCRD 329	A	III-3	6769539	TCA 327	A	III-3
6756937	TCRD 379	C	III-5	6769873	TC 328	A	III-3
6757844	TCRD 379	C	III-5	6769874	TCA 327	A	III-3
6757846	TC 374	C	III-5	6769943	TCA 377	C	III-5
6757847	TC 378	C	III-5	6769968	TCA 378	C	III-5
6758048	TCA 328	A	III-3	6769969	TC 378	C	III-5
6759137	TCA 378	C	III-5	6769970	TC 327	A	III-3
6759598	TCA 377	C	III-5	6769971	TC 324	A	III-3
6759643	TC 376	B	III-5	6769973	TC 376	B	III-5
6759657	TC 324	A	III-3	6769974	TC 374	C	III-5
6759658	TC 325	A	III-3	6770285	TC 337	D	III-5
6759659	TC 327	A	III-3	6770730	TC 335	D	III-5
6759660	TCA 327	A	III-3	6772298	TCOA 377	E	III-7
6759661	TCA 325	A	III-3	6772535	TCOA 377	E	III-7
6759663	TCA 378	C	III-5	6772882	TCOA 327	F	III-8
6759664	TCRD 326	A	III-3				

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

ALLISON TORQMATIC CONVERTER SERIES 200-300 PARTS CATALOG

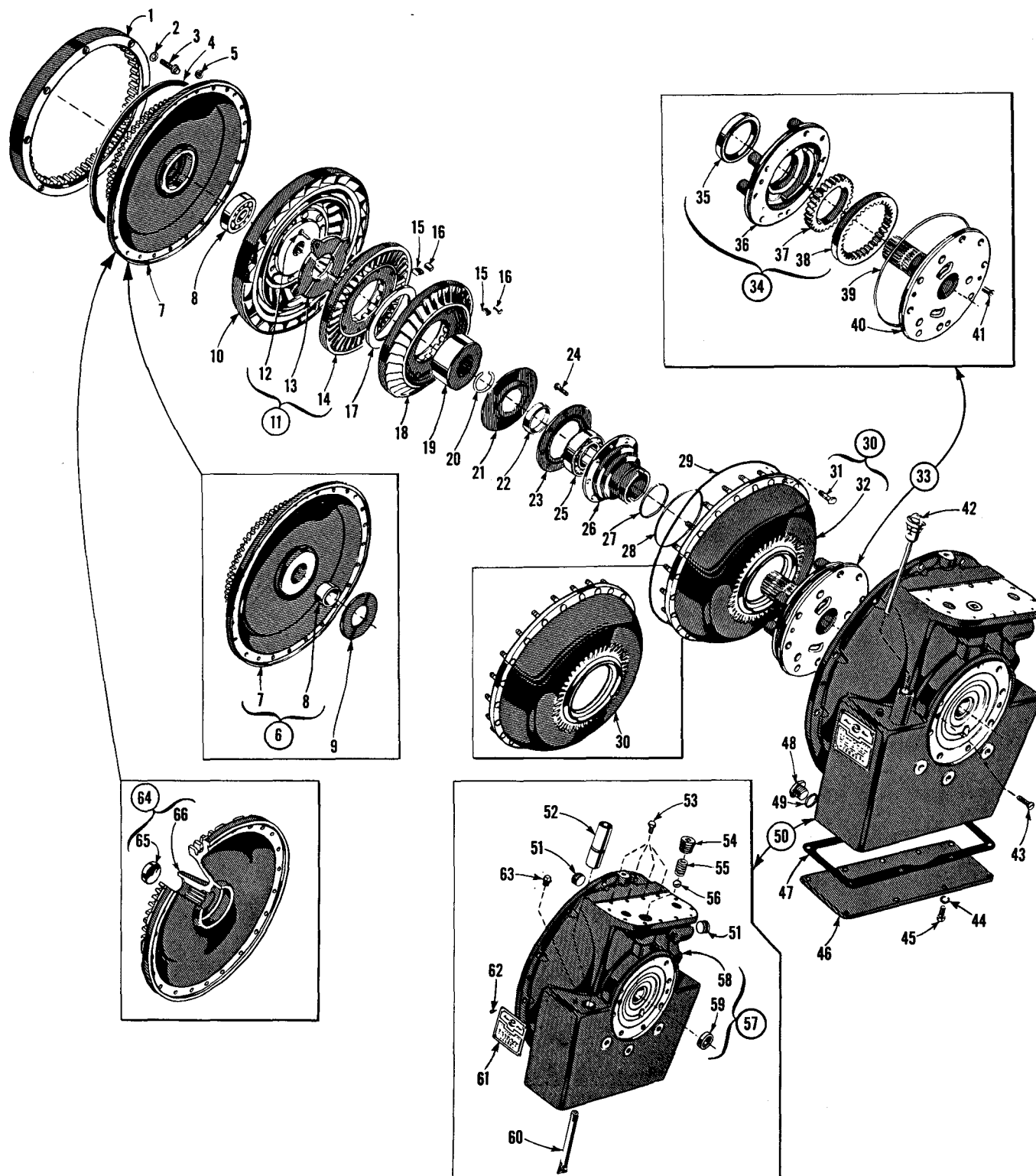


Fig III. TC-300 SERIES BASIC TORQMATIC CONVERTER, EXPLODED VIEW

GROUP A
 TC-300 SERIES BASIC TORQMATIC CONVERTER, Figure III

REF	NOMENCLATURE	PART NO	REQ
1	GEAR, Ring (See SIL 351) (Avail also in SK 6759913)	6769876	1
2	WASHER, Lock, intrnl tooth, 3/8 (See SIL 351) (Avail also in SK 6759913)	6769878	8
3	BOLT, Spcl head, 3/8-16 x 1 1/4 (See SIL 351) (Avail also in SK 6759913)	9412270	8
4	RING, Seal (See SIL 351) (Avail also in SK 6759913)	6769818	1
5	NUT, Hx lock, 5/16-24	451006	24
6	COVER ASSY, Converter pump (Use prior to S/N 13596) (See SIL 224)	6755325	1
7	COVER, Converter pump (Use prior to S/N 13596) (See SIL 224)	*	1
8	BUSHING (Use prior to S/N 13596) (See SIL 224)	6754922	1
7	COVER, Converter pump (Use 6772408 Cover starting with S/N 13596) (See SIL 224)	6772408	1
8	BEARING ASSY, Single row ball (Use 903208 Bearing starting with S/N 13596) (ND 3208 or its equivalent)	903208	1
9	WASHER, Turbine thrust (Use prior to S/N 13596) (See SIL 224) (Avail also in SK 6759031)	6755004	1
10	TURBINE ASSY (Prior to S/N 13596 use Turbine 6755467)	6769453	1
11	STATOR ASSY, First	6768903	1
12	RIVET	*	4
13	WASHER, Thrust	*	1
14	STATOR, First	*	1
15	SPRING, Freewheel roller (See SIL 427) (Avail also in SK 6759031)	6771296	16
16	ROLLER, Stator freewheel (Avail also in SK 6759031)	7450737	16
17	WASHER, Spacer, 4.62 OD x 3.5 ID x .22 wide (Avail also in SK 6759031)	6754994	1
18	STATOR ASSY, Second (See SIL 302)	6768902	1
19	RACE, Freewheel roller	6755892	1
20	RING, External snap, 1.61 ID (Avail also in SK 6759031)	6755897	1
21	SPACER, Freewheel roller race	6769856	1
22	SPACER, 2.00 OD x 1.81 ID x 0.493 wide (Used only on trns prior to S/N 7144) (See SIL 157)	6755896	1
23	RETAINER, Brng	6757634	1
24	BOLT, Hx hd self-locking, 1/4-20 x 3/4 cls 2	9409088	8
25	BEARING ASSY, Double row ball (See SIL 157) (Avail also in SK 6759031)	9417910	1
26	HUB, Converter pump (See SIL 292)	6768714	1
27	RING, Hook type seal, 2.906 dia (Avail also in SK 6759031 and 6759038)	6754488	1
28	RING, Seal	6758296	1

(CONTINUED ON NEXT PAGE)

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

GROUP A (CONT'D)

TC-300 SERIES BASIC TORQMATIC CONVERTER, Figure III

REF	NOMENCLATURE	PART NO	REQ
29	RING, Seal (Avail also in SK 6759031 and 6759038)	6753866	1
30	PUMP ASSY, Converter (TC 320 Series 3.5:1 stall torque ratio)	6756847	1
31	BOLT, Spcl, 5/16-24 x 1.30	6755988	24
32	PUMP, Converter (TC 320 Series 3.5:1 stall torque ratio)	*	1
33	PUMP ASSY, Charging oil (Use 6757621 prior to S/N 19085) (See SIL 292)	6768707	1
34	GEAR & BODY ASSY (Use 6757086 prior to S/N 19085) (See SIL 292)	6768706	1
35	SEAL, 3.00 ID (Avail also in SK 6759031 and 6759038)	6768644	1
36	BODY, Oil pump (Use 6768349 prior to S/N 19085) (See SIL 161 & 292)	*	1
37	GEAR, Oil pump drv	*	1
38	GEAR, Oil pump drvn	*	1
39	RING, Seal, 8.00 ID x 1/8 dia (Avail also in SK 6759031 and 6759038)	6702958	1
40	SLEEVE, Converter ground (See SIL 341) . . .	6769530	1
41	SCREW, Flat hd, slotted, 1/4-20 x 5/8 . . .	113989	3
42	INDICATOR, Oil level	6755786	1
43	SCREW, Flat hd, 1/4-20 x 1 3/4	113998	2
44	WASHER, Lock, 5/16	103320	9
45	BOLT, Hx hd, 5/16-18 x 7/8, cls 2	179817	9
46	PLATE, Sump	6754495	1
47	GASKET, Sump plate (Avail also in SK 6759031 and 6759038)	6754490	1
48	PLUG, Drain	6701230	1
49	GASKET, Annular (Avail also in SK 6759031 and 6759038)	105456	1
50	HOUSING ASSY, Converter (See SIL 136)	6768956	1
51	PLUG, Sq sckt hd, 3/4 NPT	444672	2
52	SLEEVE, Oil filler	6755789	1
53	BOLT, Hx hd, 5/16-18 x 1/2 (See SIL 196) . .	179812	4
54	PLUG, Sq sckt hd, pipe, 1	444678	1
55	SPRING (Two end coils are white)	6758597	1
56	BALL	453621	1
57	Not used in this group.		
58	HOUSING, Converter	*	1
59	Not used in this group.		
60	TUBE, Oil cooler return	6756693	1
61	PLATE, Torqmatic converter name	6768267	1
62	SCREW, Rnd hd drv, #4 x 1/4	142862	4
63	PLUG, Pipe, 1/4	444576	1
64-66	Not used in this group.		

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

GROUP B

TC-300 SERIES BASIC TORQMATIC CONVERTER, Figure III
Same as Group A, except for parts listed below.

REF	NOMENCLATURE	PART NO	REQ
6-7	Not used in this group.		
8	BEARING ASSY, Single row ball (ND 3L11X1A or its equivalent)	903011	1
10	TURBINE ASSY	6769060	1
11	STATOR ASSY, First	6769105	1
19	RACE, Freewheel roller	6769048	1
20	RING, External snap	6758777	1
21	SPACER, Freewheel roller race	6769045	1
23	Not used in this group.		
24	BOLT, Hx hd, 1/4-20 x 5/8	179793	8
(e)	LOCKSTRIP	6769053	4
25	BEARING	954466	1
26	HUB, Converter pump	6769062	1
30	PUMP ASSY, Converter (for TC 370 Series 2.5:1 stall torque ratio)	6756001	1
32	PUMP, Converter (2.5:1 stall torque ratio) .	*	1
33	PUMP ASSY, Charging oil	6769061	1
40	SLEEVE	6769055	1
42	INDICATOR, Oil level	6769621	1
50	HOUSING ASSY, Converter	6769623	1
52	SLEEVE, Oil filler	6769622	1
57	HOUSING ASSY, Converter	6769073	1
58	HOUSING, Converter	*	1
59	SLEEVE, Converter housing	6769052	1
64	COVER ASSY, Converter pump	6769849	1
65	PLUG	6756348	1
66	COVER, Converter pump	*	1

GROUP C

TC-300 SERIES BASIC TORQMATIC CONVERTER, Figure III
Same as Group A, except for parts listed below.

30	PUMP ASSY, Converter (for TC 370 Series 2.5:1 stall torque ratio)	6756001	1
32	PUMP, Converter (for TC 370 Series 2.5:1 stall torque ratio)	*	1

GROUP D

TC-300 SERIES BASIC TORQMATIC CONVERTER, Figure III
Same as Group A, except for parts listed below.

11	STATOR ASSY, First	6768727	1
14	STATOR, First.	*	1

(e) Not illustrated.

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

ALLISON TORQMATIC CONVERTER SERIES 200-300 PARTS CATALOG

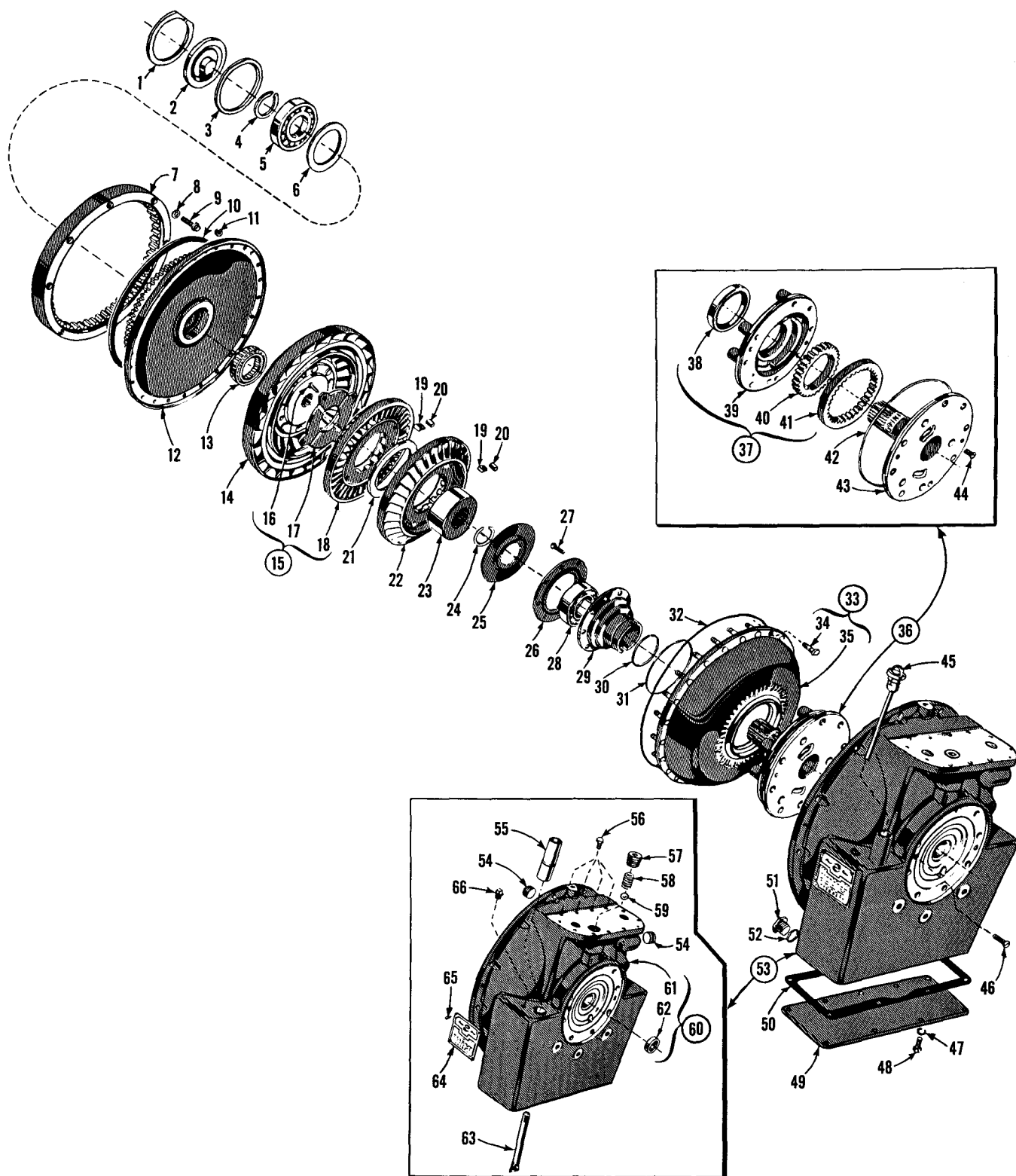


Fig III-A. TC-300 SERIES BASIC TORQMATIC CONVERTER, EXPLODED VIEW
(WITH OVERRUNNING CLUTCH)

GROUP E
 TC-300 SERIES BASIC TORQMATIC CONVERTER, Figure III-A
 (With Overrunning Clutch)

REF	NOMENCLATURE	PART NO	REQ
1	RING, Internal snap, 3.361 OD	6759926	1
2	COVER, Bearing	6772312	1
3	RING, Square section seal, 3.107 ID	6759906	1
4	RING, External snap	6702989	1
5	BEARING ASSY, Single row ball (ND 3L10X1A or its equivalent)	903010	1
6	RETAINER, Sprag	6772309	1
7	GEAR, Ring (See SIL 351) (Avail also in SK 6759913)	6769876	1
8	WASHER, Lock, intrnl tooth, 3/8 (See SIL 351) (Avail also in SK 6759913)	6769878	8
9	BOLT, Spcl hd, 3/8-16 x 1 1/4 (See SIL 351) (Avail also in SK 6759913)	9412270	8
10	RING, Seal (See SIL 351) (Avail also in SK 6759913)	6769818	1
11	NUT, Hx lock, 5/16-24	451006	24
12	COVER, Converter pump	6772301	1
13	SPRAG ASSY	8618363	1
14	TURBINE ASSY	6772310	1
15	STATOR ASSY, First	6768903	1
16	RIVET	*	4
17	WASHER, Thrust	*	1
18	STATOR, First	*	1
19	SPRING, Freewheel roller (Avail also in SK 6759031)	6771296	16
20	ROLLER, Stator freewheel (Avail also in SK 6759031)	7450737	16
21	WASHER, Spacer, 4.62 OD x 3.51 ID x .22 wide (Avail also in SK 6759031)	6754994	1
22	STATOR ASSY, Second	6768902	1
23	RACE, Freewheel roller	6755892	1
24	RING, External snap, 1.61 ID	6755897	1
25	SPACER, Freewheel roller race	6769856	1
26	RETAINER, Bearing	6757634	1
27	BOLT, Hx hd, self-locking, 1/4-20 x 3/4, cls 2.	9409088	8
28	BEARING ASSY, Double row ball (Avail also in SK 6759031) (MRC 5209K1 or its equivalent)	9417910	1
29	HUB, Converter pump	6768714	1
30	RING, Hook type seal, 2.906 dia (Avail also in SK 6759031 and 6759038)	6754488	1
31	RING, Seal (Avail also in SK 6759031 and 6759038)	6758296	1
32	RING, Seal (Avail also in SK 6759031 and 6759038)	6753866	1
33	PUMP ASSY, Converter (For TC 370 Series 2.5:1 stall torque ratio)	6756001	1
34	BOLT, Special, 5/16-24 x 1.30	6755988	24
35	PUMP, Converter (2.5:1 stall torque ratio) .	*	1

(CONTINUED ON NEXT PAGE)

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

ALLISON TORQMATIC CONVERTER SERIES 200-300 PARTS CATALOG

GROUP E (CONT'D)

TC-300 SERIES BASIC TORQMATIC CONVERTER, Figure III-A

REF	NOMENCLATURE	PART NO	REQ
36	PUMP ASSY, Charging oil	6768707	1
37	GEAR AND BODY ASSY	6768706	1
38	SEAL, 3.00 ID (Avail also in SK 6759031 and 6759038)	6768644	1
39	BODY, Oil pump	*	1
40	GEAR, Oil pump drive	*	1
41	GEAR, Oil pump driven	*	1
42	RING, Seal, 8.00 ID x 1/8 dia (Avail also in SK 6759031 and 6759038)	6702958	1
43	SLEEVE, Converter ground	6769530	1
44	SCREW, Flat head, slotted, 1/4-20 x 5/8	113989	3
45	INDICATOR, Oil level	6755786	1
46	SCREW, Flat head, 1/4-20 x 1 3/4	113998	2
47	WASHER, Lock, 5/16	103320	9
48	BOLT, Hx hd, 5/16-18 x 7/8, cls 2	179817	9
49	PLATE, Sump	6754495	1
50	GASKET, Sump plate (Avail also in SK 6759031 and 6759038)	6754490	1
51	PLUG, Drain	6701230	1
52	GASKET, Annular (Avail also in SK 6759031 and 6759038)	105456	1
53	HOUSING ASSY, Converter	6768956	1
54	PLUG, Square socket head, 3/4 NPT	444672	2
55	SLEEVE, Oil filler	6755789	1
56	BOLT, Hx hd, 5/16-18 x 1/2	179812	4
57	PLUG, Square socket head, pipe, 1 inch	444678	1
58	SPRING	6758597	1
59	BALL	453621	1
60	Not used in this group.		
61	HOUSING, Converter	*	1
62	Not used in this group.		
63	TUBE, Oil cooler return	6756693	1
64	PLATE, Torqmatic converter name	6768267	1
65	SCREW, Round head drive, #4 x 1/4	142862	4
66	PLUG, Pipe, 1/4	444576	1

GROUP F

TC-300 SERIES BASIC TORQMATIC CONVERTER, Figure III-A
(With Overrunning Clutch)

Same as Group E, except for parts listed below.

33	PUMP ASSY, Converter (TC 320 Series 3.5:1 stall torque ratio)	6756847	1
34	BOLT, Special, 5/16-24 x 1.30	6755988	24
35	PUMP, Converter (TC 320 Series 3.5:1 stall torque ratio)	*	1

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

TC-300 SERIES BASIC TORQMATIC CONVERTER OUTPUT SHAFTS

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

A/N*	MODEL	GROUP	PAGE	A/N*	MODEL	GROUP	PAGE
6755060	TC 324	L	IV-6	6759666	TC 374	M	IV-6
6755061	TC 325	C	IV-3	6759667	TC 374	L	IV-6
6755062	TCRD 326	A	IV-3	6759668	TC 375	C	IV-3
6755390	TCA 325	G	IV-5	6759669	TC 377	D	IV-4
6755395	TC 374	L	IV-6	6759672	TCA 377	H	IV-5
6755396	TC 375	C	IV-3	6759674	TCRD 376	A	IV-3
6755397	TCA 375	G	IV-5	6759676	TCRD 379	B	IV-3
6755398	TCRD 376	A	IV-3	6759677	TCA 377	K	IV-5
6756752	TC 327	D	IV-4	6759706	TCA 377	N	IV-6
6756753	TCA 327	H	IV-5	6759730	TC 378	E	IV-4
6756754	TC 377	D	IV-4	6759741	TC 328	E	IV-4
6756755	TCA 377	H	IV-5	6759759	TCRD 329	B	IV-3
6756789	TC 378	E	IV-4	6759767	TCA 377	N	IV-6
6756914	TCRD 329	B	IV-3	6769539	TCA 327	H	IV-5
6756937	TCRD 379	B	IV-3	6769873	TC 328	E	IV-4
6757844	TCRD 379	B	IV-3	6769874	TCA 327	H	IV-5
6757846	TC 374	M	IV-6	6769943	TCA 377	N	IV-6
6757847	TC 378	F	IV-4	6769968	TCA 378	J	IV-5
6758048	TC 328	J	IV-5	6769969	TC 378	E	IV-4
6759137	TCA 378	K	IV-5	6769970	TC 327	D	IV-4
6759598	TCA 377	K	IV-5	6769971	TC 324	L	IV-6
6759643	TC 376	P	IV-6	6769973	TC 376	P	IV-6
6759657	TC 324	L	IV-6	6769974	TC 374	M	IV-6
6759658	TC 325	C	IV-3	6770285	TC 337	D	IV-4
6759659	TC 327	D	IV-4	6770730	TC 335	C	IV-4
6759660	TCA 328	J	IV-5	6772298	TCOA 377	H	IV-5
6759661	TCA 325	G	IV-5	6772535	TCOA 377	K	IV-5
6759663	TCA 378	J	IV-5	6772882	TCOA 327	H	IV-5
6759664	TCRD 326	A	IV-3				

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

ALLISON TORQMATIC CONVERTER SERIES 200-300 PARTS CATALOG

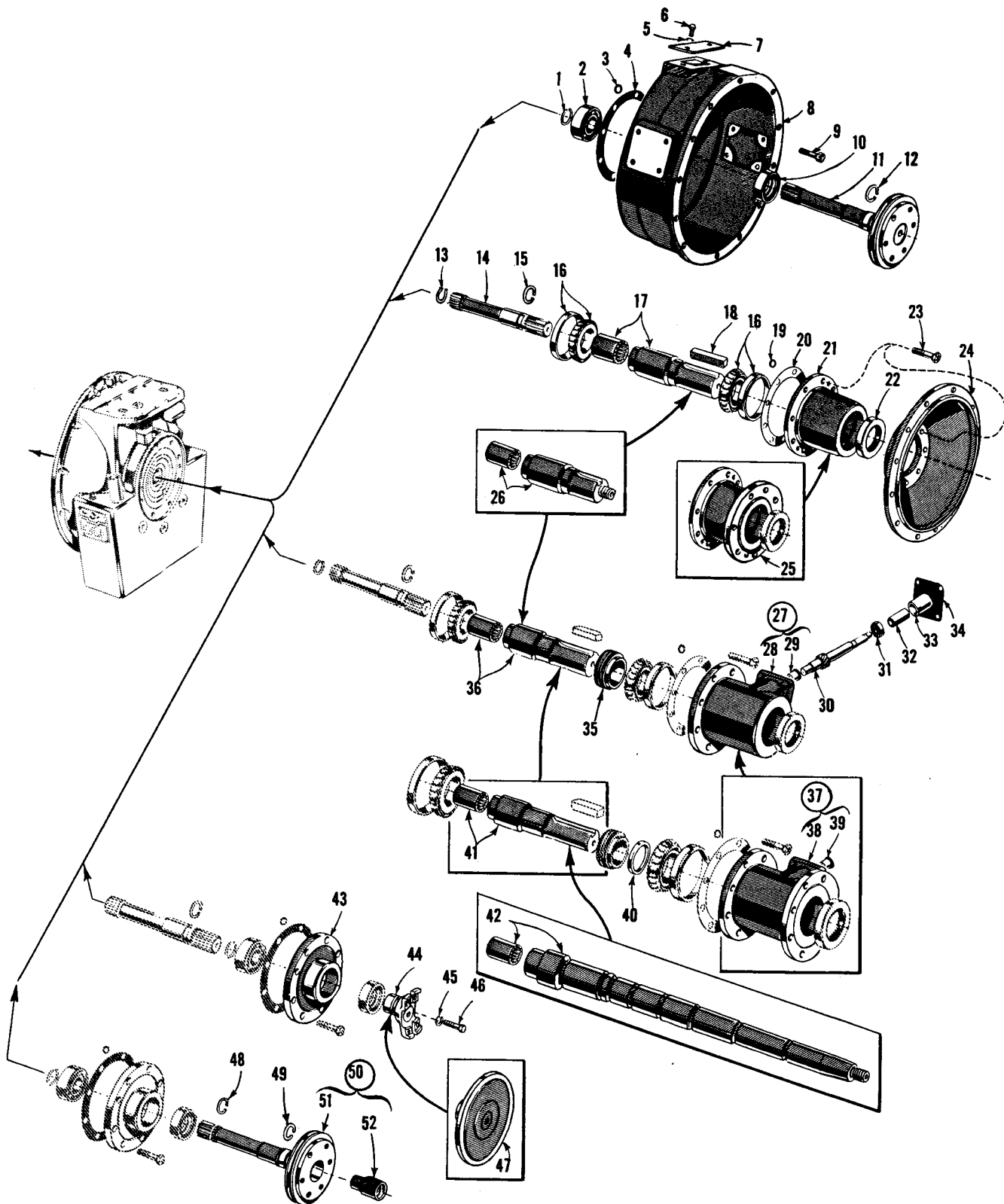


Fig IV. TC-300 SERIES BASIC TORQMATIC CONVERTER OUTPUT SHAFTS, EXPLODED VIEW

GROUP A
TC-300 SERIES OUTPUT SHAFT
 (SAE #3 REAR DISCONNECT CLUTCH HOUSING), Figure IV

REF	NOMENCLATURE	PART NO	REQ
1	RING, Extrnl snap, 1.250 ID (Avail also in SK 6759033 and 6759039)	6750046	1
2	BEARING ASSY, Single row ball (ND 3307L1A-1214 or its equivalent) (Avail also in SK 6759032)	907050	1
3	RING, Seal, .487 ID x .103 (See SIL 137) (Avail also in SK 6759031 and 6759038)	6763013	8
4	GASKET, Brng rtnr (Avail also in SK 6759032 and 6759039)	6753966	1
5	WASHER, Lock, 3/8	103321	2
6	BOLT, Hx hd, 3/8-16x3/4	179837	2
7	SHIELD, Dust	6757426	1
8	HOUSING, SAE #3 rear disconnect clu	6754349	1
9	BOLT, Hx hd self-locking, 1/2-13x3.00, cls 2 .	9409203	8
10	SEAL, Oil, 2.750 x 1.75 ID x .75 thick (Avail also in SK 6759032 and 6759039)	6753857	1
11	SHAFT, Turbine (When replacing shaft 6759948 also order bearing 907050) (See SIL 499)	6772734	1
12	RING, Hook type seal, 1.406 bore (Avail also in SK 6759031 and 6759038)	6751839	1
13-47	Not used in this group.		

GROUP B
TC-300 SERIES OUTPUT SHAFT
 (SAE #3 REAR DISCONNECT CLUTCH HOUSING), Figure IV
 Same as Group A except for parts listed below.

8	HOUSING, SAE #2 rear disconnect clu	6756913	1
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GROUP C
TC-300 SERIES OUTPUT SHAFT (INDUSTRIAL SHAFT), Figure IV

1-12	Not used in this group.		
13	RING, Extrnl snap, 1.10 ID (Avail also in SK 6759033, 6759034, 6759035, 6759036 and 6759040)	6755903	1
14	SHAFT, Turbine	6759947	1
15	RING, Hook type seal, 1.406 bore (Avail also in SK 6759031 and 6759038)	6751839	1
16	BEARING ASSY, Tapered roller (Timken 397-3920 or its equivalent) (Avail also in SK 6759033 and 6759035)	6751541	2
17	SHAFT ASSY, Converter output	6755031	1
18	KEY, 5/8x5/8x3	6751531	1
19	RING, Seal, .487 ID x .103 (See SIL 137) (Avail also in SK 6759031 and 6759038)	6763013	8
20	SHIM, Brng hsng, .003 (Avail also in SK 6759033, 6759034, 6759035 and 6759036)	6753859	AR
20	SHIM, Brng hsng, .010 (Avail also in SK 6759033, 6759034, 6759035 and 6759036)	6753860	AR
21	HOUSING, Brng	6754508	1
22	SEAL, Oil, 3.378 OD x 2.35 ID x .483 wide (Avail also in SK 6759033, 6759034, 6759035, 6759036 and 6759040)	6754506	1
23	BOLT, Hx hd self-locking, 1/2-13x3.00, cls 2 .	9409203	8
24-47	Not used in this group.		

GROUP D

TC-300 SERIES OUTPUT SHAFT

(INDUSTRIAL SHAFT WITH EXTRA DUTY BEARINGS), Figure IV

Same as Group C except for parts listed below.

REF	NOMENCLATURE	PART NO	REQ
16	BEARING ASSY, Tapered roller (Timken 558S-553X or its equivalent) (Avail also in SK 6759034 and 6759036)	456635	2
17	SHAFT ASSY, Converter output	6756869	1
21	Not used in this group.		
25	HOUSING, Brng	6756865	1

GROUP E

TC-300 SERIES OUTPUT SHAFT

(INDUSTRIAL SHAFT WITH BEVEL PINION MOUNTING), Figure IV

Same as Group C except for parts listed below.

13	Not used in this group.		
15	RING, Hook type seal	3689838	1
17	Not used in this group.		
18	Not used in this group.		
23	BOLT, Hx hd self-locking, 1/2-13x2 1/2, cls 2 .	9409203	8
25	HOUSING, Brng	6756865	1
26	SHAFT ASSY, Converter output	6756946	1

GROUP F

TC-300 SERIES OUTPUT SHAFT

(INDUSTRIAL SHAFT WITH BEVEL PINION MOUNTING), Figure IV

Same as Group C, except for parts listed below.

13	Not used in this group.		
17	Not used in this group.		
23	BOLT, Hx hd, 1/2-13x3 1/4	9409227	8
24	PLATE, Trns adptr	6756947	1
26	SHAFT ASSY, Converter output	6756946	1

GROUP G

TC-300 SERIES OUTPUT SHAFT (INDUSTRIAL SHAFT WITH ACCESSORY DRIVE), Figure IV
Same as Group C except for parts listed below.

REF	NOMENCLATURE	PART NO	REQ
17	Not used in this group.		
21	Not used in this group.		
27	HOUSING ASSY, Brng	6755377	1
28	HOUSING, Brng	*	1
29	BUSHING	2222424	1
30	GEAR, Accessory drvn, 2.5:1	6755618	1
31	BEARING ASSY, Single row ball (ND 3202 or its equivalent) (Avail also in SK 6759035 and 6759036)	903202	1
32	SLEEVE, Accessory drv	3224085	1
33	SPACER, 1.38 OD x .06 wall x 2.16	6751524	1
34	GASKET (Avail also in SK 6759035, 6759036, and 6759040)	3224773	1
35	GEAR, Accessory drv, 2.5:1	6755619	1
36	SHAFT ASSY, Converter output	6755380	1

GROUP H

TC-300 SERIES OUTPUT SHAFT
(INDUSTRIAL SHAFT WITH EXTRA DUTY BEARINGS AND ACCESSORY DRIVE), Figure IV
Same as Group G, except for parts listed below.

16	BEARING ASSY, Tapered roller (Timken 558S-553X or its equivalent)	456635	2
27-29	Not used in this group.		
36	Not used in this group.		
37	HOUSING ASSY, Brng	6756706	1
38	HOUSING, Brng	*	1
39	BUSHING	2222424	1
40	SPACER, Converter output shaft	6756689	1
41	SHAFT ASSY, Converter output	6756691	1

GROUP J

TC-300 SERIES OUTPUT SHAFT
(INDUSTRIAL SHAFT WITH ACCESSORY DRIVE), Figure IV
Same as Group G, except for parts listed below.

18	Not used in this group.		
26	SHAFT ASSY	6758054	1
36	Not used in this group.		

GROUP K

TC-300 SERIES OUTPUT SHAFT
(INDUSTRIAL SHAFT WITH ACCESSORY DRIVE), Figure IV
Same as Group H except for parts listed below.

18	Not used in this group.		
40	SPACER, Converter output shaft	6756689	1
41	Not used in this group.		
42	SHAFT ASSY, Converter output	6768346	1

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

GROUP L

TC-300 SERIES OUTPUT SHAFT (AUTOMOTIVE SHAFT), Figure IV

Same as Group A, except for parts listed below.

REF	NOMENCLATURE	PART NO	REQ
5-8	Not used in this group.		
9	BOLT, Hx hd self-locking, 1/2-13x2 3/4, cls 2 .	9409203	8
11	Not used in this group.		
14	SHAFT, Turbine	6759946	1
43	RETAINER, Brng	6755302	1
44	FLANGE ASSY (M4C) (See SIL 388)	6755333	1
45	WASHER, Lock, 1/2	103323	1
46	BOLT, Hx hd, 1/2-20x1 1/4, cls 2	181429	1

GROUP M

TC-300 SERIES OUTPUT SHAFT (COUPLING), Figure IV

Same as Group L, except for parts listed below.

44	Not used in this group.		
47	COUPLING, Output drv	6757758	1

GROUP N

TC-300 SERIES OUTPUT SHAFT

(INDUSTRIAL SHAFT WITH EXTRA DUTY BEARINGS AND ACCESSORY DRIVE), Figure IV

Same as Group H, except for parts listed below.

30	GEAR, Accessory drvn, 1.69:1	6768425	1
35	GEAR, Accessory drv, 1.69:1	6768426	1

GROUP P

TC-300 SERIES OUTPUT SHAFT, Figure IV

1	SNAPRING	6703023	1
2	BEARING, Single row ball (ND 3211L1214A or its equivalent)	954528	1
3	SEALRING, .487 ID x .103 dia	6763013	8
4	GASKET, Bearing hsng	6753966	1
5-8	Not used in this group.		
9	BOLT, 1/2-13x2 3/4	9409203	8
10	SEAL, Lip type	6754947	1
11-42	Not used in this group.		
43	RETAINER, Bearing	6769057	1
44-47	Not used in this group.		
48	SEALRING, Hook type	6764025	1
49	SEALRING, Hook type	6700296	1
50	SHAFT ASSY, Output	6769051	1
51	SHAFT, Output	*	1
52	PLUG	6769050	1

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

TC 200-300 SERIES OPTIONAL EQUIPMENT

MANUAL INPUT DISCONNECT CLUTCH ASSEMBLY OPTION

To find detail parts for your Allison Torqmatic Converter Option, turn to the group and page listed opposite the series number of your converter.

SERIES	GROUP	PAGE
TC 200 (Option 6757004)	A	V-3
TC 300 (Option 6757004)	A	V-3

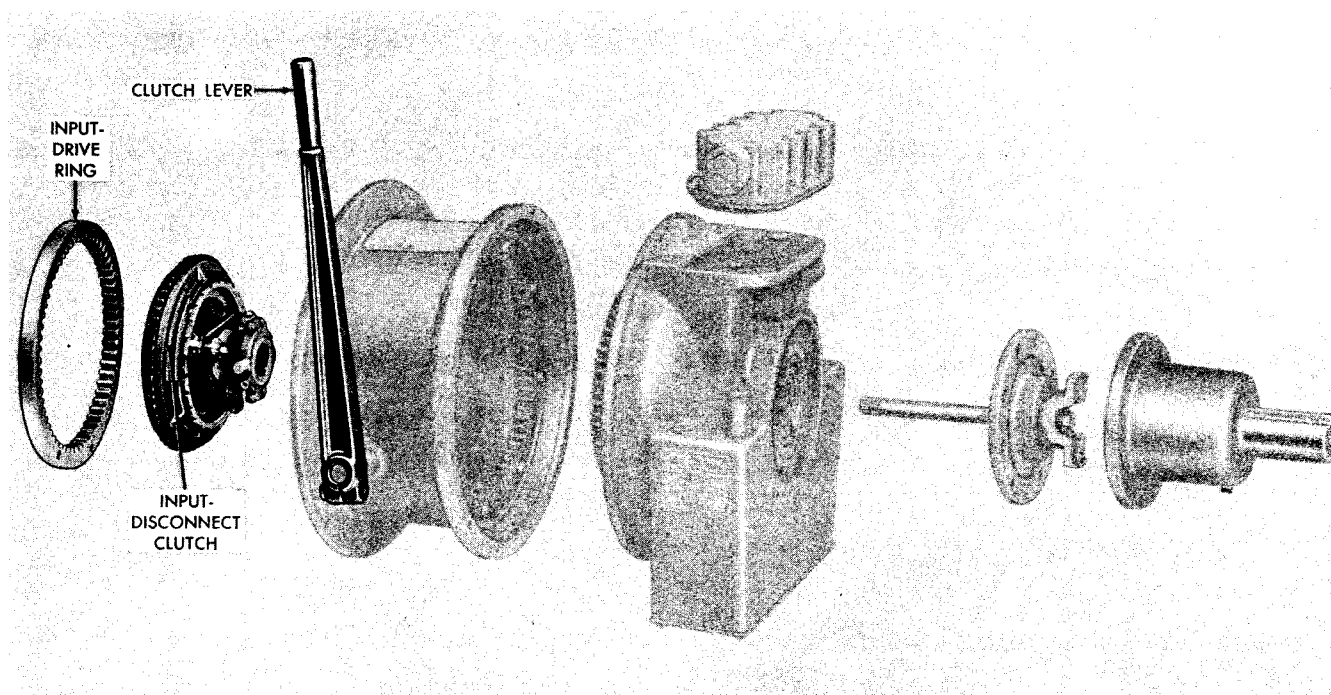


Fig V. TC 200-300 SERIES MANUAL INPUT DISCONNECT CLUTCH ASSEMBLY OPTION

ALLISON TORQMATIC CONVERTER SERIES 200-300 PARTS CATALOG

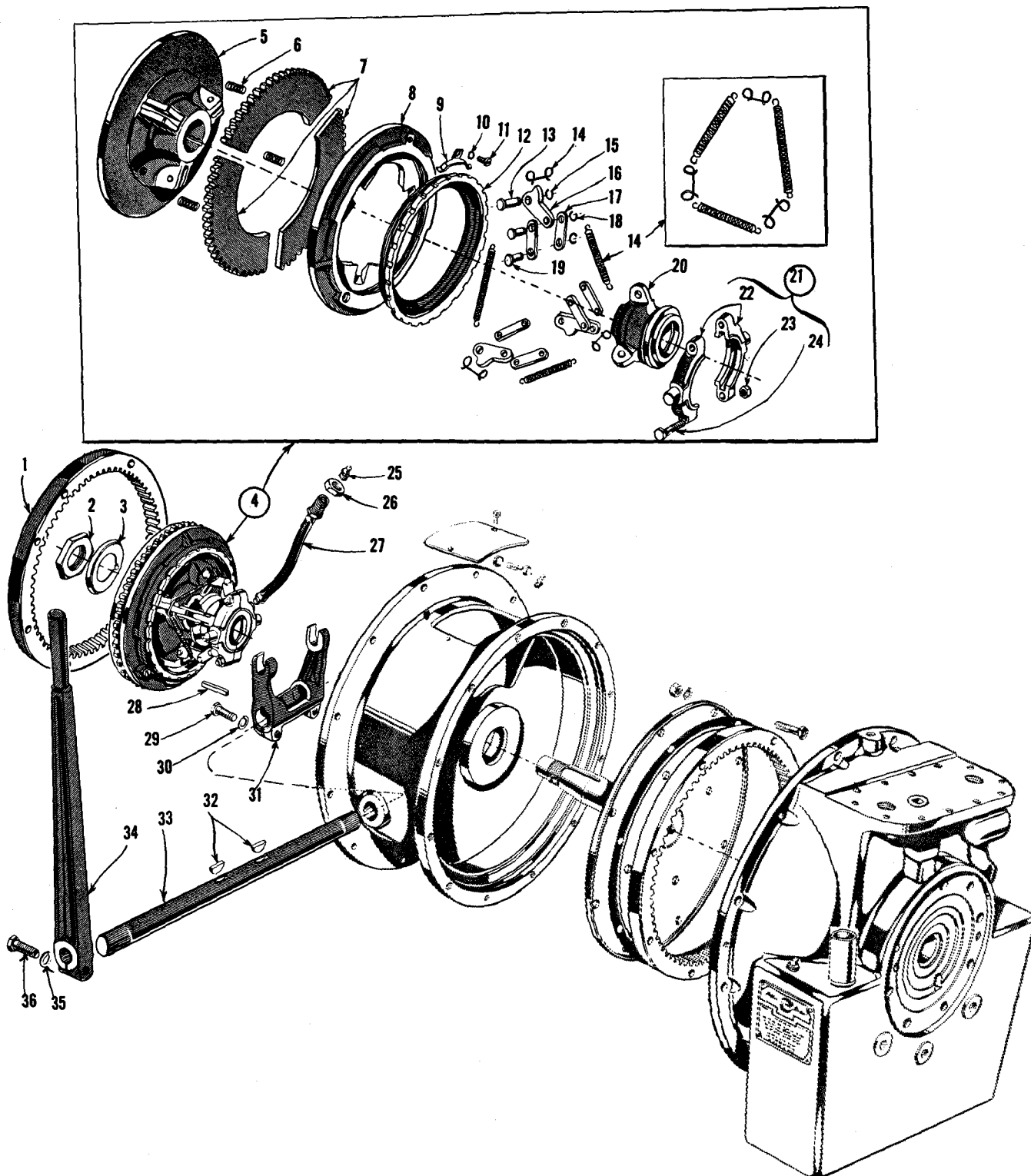


Fig V-A. TC 200-300 SERIES MANUAL INPUT DISCONNECT CLUTCH ASSEMBLY
OPTION, EXPLODED VIEW

GROUP A
MANUAL INPUT DISCONNECT CLUTCH ASSEMBLY (OPTION 6757004), Figure V-A

REF	NOMENCLATURE	PART NO	REQ
1	RING, Drv, 10	5192180	1
2	NUT	5192153	1
3	WASHER	5194671	1
4	CLUTCH ASSY, Manual input disconnect, 10 . . .	5194365	1
5	BODY, Clu	5193258	1
6	SPRING, Separator	5193431	3
7	FACING ASSY	5192182	1
8	PLATE, Presr	5194294	1
9	LOCK, Adjusting	5194291	1
10	WASHER, Shakeproof, 1/4	114604	1
11	SCREW, Fillister hd, 1/4-20x3/8	114351	1
12	NUT, Adjusting	5193430	1
13	PIN, Clevis	5193422	3
14	SPRING, Lever	5194138	1
15	RING, Rtnr	5192142	1
16	LEVER	5194140	3
17	LINK, Connecting	5193421	6
18	RING, Rtnr	5192176	6
19	PIN, Clevis	5193420	6
20	SLEEVE, Release	5193259	1
21	BEARING ASSY, Release	5193260	1
22	BEARING, Release (Serviced in assy 5193260 only)*		1
23	NUT, Elastic stop, 5/16-24	214279	2
24	BOLT, Hx hd, 5/16-24x1 3/4	181345	2
25	FITTING, Grease	191758	1
26	NUT, Jam, 5/8-18	114498	1
27	TUBE ASSY, Flx lube	5193064	1
28	KEY, 1/4x1/4x2	5192489	1
29	BOLT, Hx hd, 3/8-16x1 1/4, cls 3	179841	2
30	WASHER, Lock, 3/8	103321	2
31	YOKE, Clu shifter	5193255	1
32	KEY, Woodruff	113782	2
33	SHAFT, Clu shifter	5194244	1
34	LEVER, Clu control hand	6756637	1
35	WASHER, Lock, 1/2	103323	1
36	BOLT, Hx hd, 1/2-13x1 5/8, cls 2	179887	1

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

TC 200-300 SERIES OPTIONAL EQUIPMENT

MANUAL INPUT DISCONNECT CLUTCH HOUSING OPTIONS AND DRIVE RING OPTIONS

To find detail parts for your Allison Torqmatic Converter Option, turn to the group and page listed opposite the series number of your converter.

SERIES	GROUP	PAGE
TC 200 (Option 5192180)	A	VI-3
TC 200 (Option 6757000)	B	VI-3
TC 200 (Option 6757002)	D	VI-3
TC 200 (Option 6759249)	G	VI-4
TC 300 (Option 6757003)	E	VI-3
TC 300 (Option 6759251)	F	VI-4
TC 300 (Option 6759252)	H	VI-4
TC 300 (Option 6768580)	F	VI-4
TC 300 (Option 6768581)	J	VI-4
TC 300 (Option 6768582)	E	VI-3
TC 300 (Option 6768583)	C	VI-3

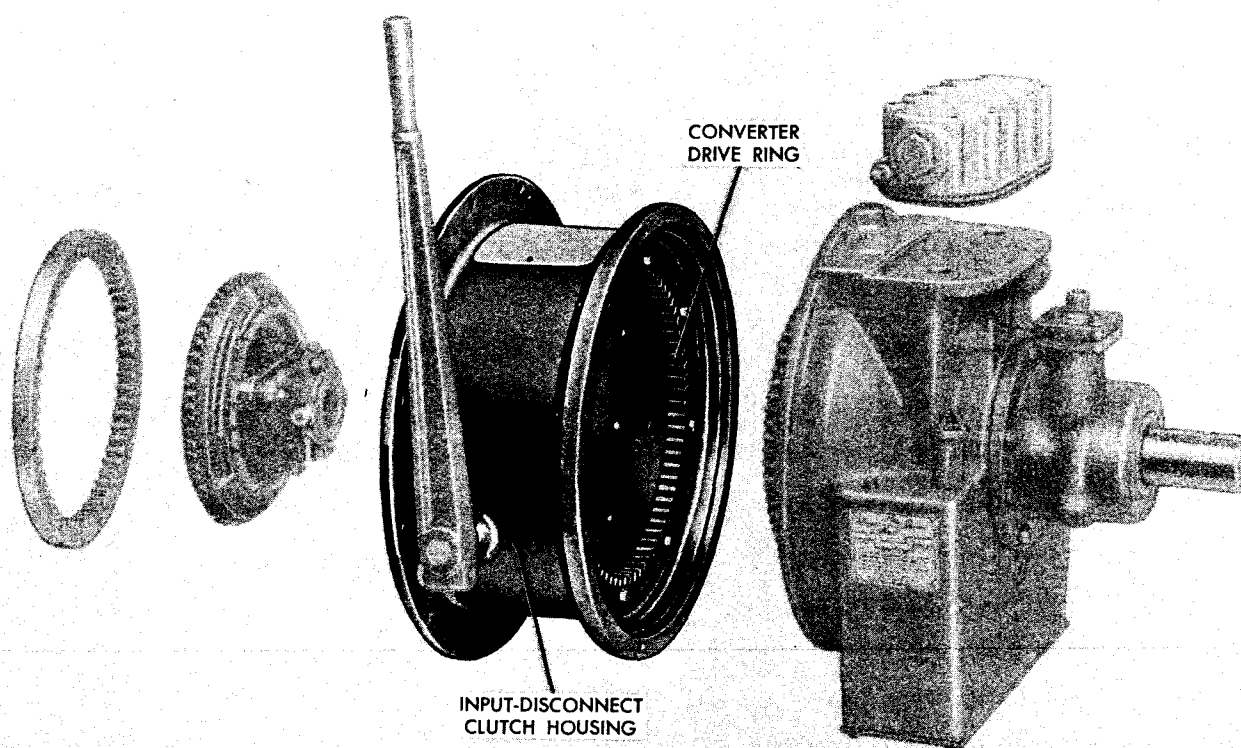
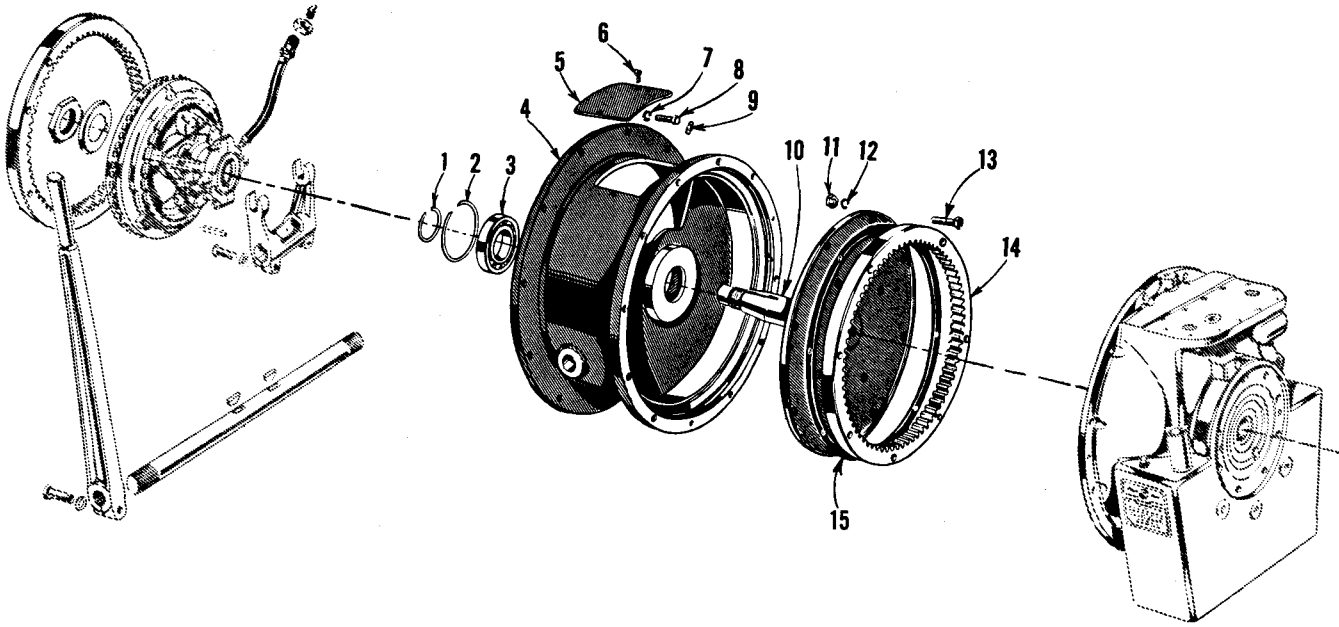


Fig VI. TC 200-300 SERIES MANUAL INPUT DISCONNECT CLUTCH HOUSING
OPTIONS AND DRIVE RING OPTIONS



**Fig VI-A. TC 200-300 SERIES MANUAL INPUT DISCONNECT CLUTCH HOUSING
OPTIONS AND DRIVE RING OPTIONS, EXPLODED VIEW**

GROUP A
10-INCH DRIVE RING (OPTION 5192180), Figure VI-A

REF	NOMENCLATURE	PART NO	REQ
1-13	Not used in this group.		
14	RING, Drv, 10 dia	5192180	1
15	Not used in this group.		

GROUP B
SAE #2 MANUAL INPUT DISCONNECT CLUTCH HOUSING (OPTION 6757000), Figure VI-A

1	RING, Snap	6751822	1
2	RING, Snap	6753487	1
3	BEARING ASSY, Single row ball	900454	1
4	HOUSING, SAE #2 manual input disconnect clu	6756620	1
5	COVER, Manual input disconnect clu hsg	6756618	1
6	SCREW, #10-24 x 7/16	113903	2
7	WASHER, Lock, 3/8	103321	12
8	BOLT, Hx hd, 3/8-16x1 1/8, cls 2	179840	12
9	FITTING, Grease	191758	1
10	SHAFT ASSY, Converter input	6756615	1
11	NUT, 3/8-24	103026	8
12	WASHER, Lock, 3/8	103321	8
13	BOLT, hx hd, 3/8-24 x 1 1/2, cls 2	181374	8
14	RING, Drive	5192180	1
15	Not used in this group.		

GROUP C
SAE #2 MANUAL INPUT DISCONNECT CLUTCH HOUSING (OPTION 6768583), Figure VI-A
Same as Group B, except for parts listed below.

10	SHAFT ASSY, Converter input	6772307	1
11	NUT, 3/8-16 (See SIL 351)	102635	8
12-15	See S/K 6769913		
15	GASKET (See SIL 351)	6769988	1
(e)	GREASE (See SIL 351)	6769877	AR

GROUP D
SAE #3 MANUAL INPUT DISCONNECT CLUTCH HOUSING (OPTION 6757002), Figure VI-A
Same as Group B, except for parts listed below.

4	HOUSING, SAE #3 manual input disconnect clu	6756627	1
---	---	---------	---

GROUP E
SAE #3 MANUAL INPUT DISCONNECT CLUTCH HOUSING (OPTION 6768582), Figure VI-A
Same as Group C, except for parts listed below.

4	HOUSING, SAE #3 manual input disconnect clu	6756627	1
---	---	---------	---

(e) Not illustrated.

GROUP F

SAE #2 MANUAL INPUT DISCONNECT CLUTCH HOUSING (OPTION 6768580), Figure VI-A
Same as Group C, except for parts listed below.

REF	NOMENCLATURE	PART NO	REQ
10	SHAFT ASSY, Converter input	6772328	1
14	Refer to III-1.		

GROUP G

SAE #2 MANUAL INPUT DISCONNECT CLUTCH HOUSING (OPTION 6759249), Figure VI-A
Same as Group B, except for parts listed below.

10	SHAFT ASSY, Converter input	6758988	1
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GROUP H

SAE #3 MANUAL INPUT DISCONNECT CLUTCH HOUSING (OPTION 6759252), Figure VI-A
Same as Group F, except for parts listed below.

4	HOUSING, SAE #3 manual input disconnect clu . .	6756627	1
---	---	---------	---

GROUP J

SAE #3 MANUAL INPUT DISCONNECT CLUTCH HOUSING (OPTION 6768581), Figure VI-A
Same as Group F, except for parts listed below.

4	HOUSING, SAE #3 manual input disconnect clu . .	6756627	1
---	---	---------	---

TC 200-300 SERIES OPTIONAL EQUIPMENT

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

To find detail parts for your Allison Torqmatic Converter Option, turn to the group and page listed opposite the series number of your converter.

SERIES	GROUP	PAGE
TC 200 (Option 6757005)	A	VII-3
TC 200 (Option 6756685)	G	VII-4
TC 200 (Option 6755877)	C	VII-3
TC 248 (Option 6757008)	F	VII-4
Used on A/N 6757848 only)		
TCA 248 (Option 6757007)	D	VII-3
TC 300 (Option 6756685)	G	VII-4
TC 300 (Option 6757006)	B	VII-3
TCA 300 (Option 6755877)	C	VII-3
TC 378 (Option 6757009)	E	VII-4

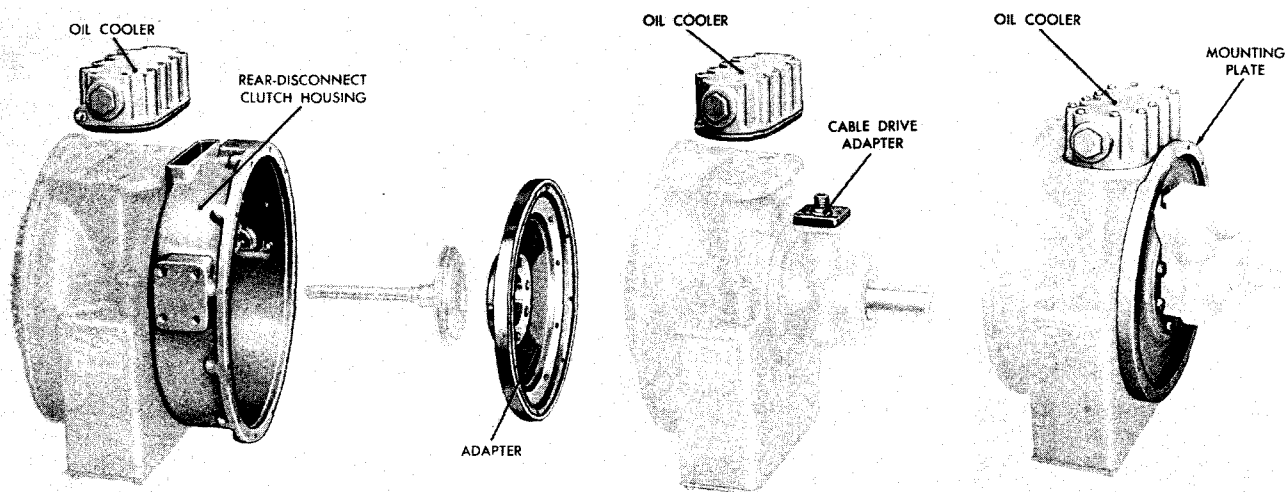


Fig VII. TC 200-300 SERIES OIL COOLER OPTIONS, CABLE DRIVE ADAPTER OPTION, REAR DISCONNECT CLUTCH ADAPTER OPTION, AND MOUNTING PLATE OPTIONS

ALLISON TORQMATIC CONVERTER SERIES 200-300 PARTS CATALOG

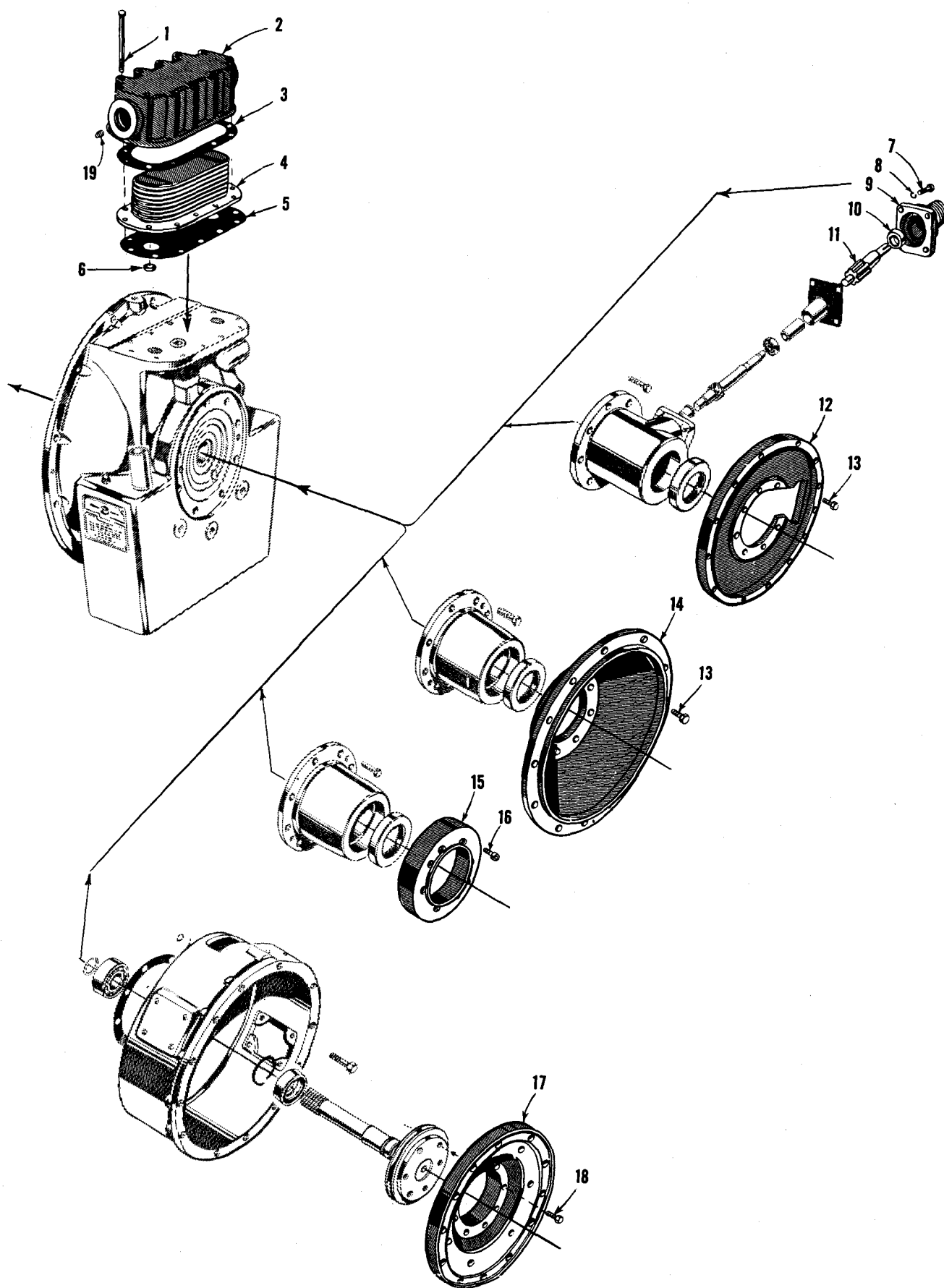


Fig VII-A. TC 200-300 SERIES OIL COOLER OPTIONS, CABLE DRIVE ADAPTER OPTION, REAR DISCONNECT CLUTCH ADAPTER OPTION, AND MOUNTING PLATE OPTIONS, EXPLODED VIEW

GROUP A
OIL COOLER (OPTION 6757005), Figure VII-A

REF	NOMENCLATURE	PART NO	REQ
1	BOLT, Hx hd, 5/16-18x3 3/4, cls 2	186271	12
2	COVER, Oil cooler	6755488	1
3	GASKET, Oil cooler cover	6754299	1
4	CORE ASSY, Oil cooler	8522609	1
5	GASKET, Oil cooler	6754314	1
6	PLUG, Orifice, .218 dia (See SIL 136)	6756658	1
7-18	Not used in this group.		
19	PLUG, 1/4 NPTF	444576	1

GROUP B
OIL COOLER (OPTION 6757006), Figure VII-A
Same as Group A except for parts listed below.

6	PLUG, Orifice, .312 dia (See SIL 136)	6756659	1
---	---	---------	---

GROUP C
CABLE DRIVE ADAPTER FOR ACCESSORY DRIVE (OPTION 6755877), Figure VII-A

1-6	Not used in this group.		
7	BOLT, Hx hd, 5/16-18x1 1/8, cls 2	179819	4
8	WASHER, Lock, 5/16	103320	4
9	ADAPTER, Cable drv	6752033	1
10	SEAL, Oil, .50 ID	6752035	1
11	SHAFT, Cable drv adptr	6752034	1
12-19	Not used in this group.		

GROUP D
MOUNTING PLATE (OPTION 6757007), Figure VII-A

1-11	Not used in this group.		
12	PLATE, Mntg (Use on converters prior to S/N 6482)	6756362	1
13	BOLT, Hx hd self-locking, 1/2-13x3 1/4, cls 2 (Use on converters prior to S/N 6482.)	9409227	8
14-19	Not used in this group.		

GROUP E
MOUNTING PLATE (OPTION 6757009), Figure VII-A

REF	NOMENCLATURE	PART NO	REQ
1-12	Not used in this group.		
13	BOLT, Hx hd self-locking, 1/2-13x3 1/4, cls 2 .	9409227	8
14	PLATE, Mntg	6756947	1
15-19	Not used in this group.		

GROUP F
MOUNTING PLATE (FOR TC-248), Figure VII-A

1-14	Not used in this group.		
15	PLATE, Mntg	6756864	1
16	BOLT, Hx sckt hd, 1/2-13x3 3/4	147465	8
17-19	Not used in this group.		

GROUP G
REAR DISCONNECT CLUTCH ADAPTER (OPTION 6756685), Figure VII-A

1-16	Not used in this group.		
17	ADAPTER, Rear disconnect clu	6756119	1
18	BOLT, Hx hd self-locking, 1/2-20x1 1/2, cls 2 .	9409060	6
19	Not used in this group.		

SERVICE INFORMATION LETTERS
(SIL)

SIL 127
Page 1 of 1
May 17, 1954

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

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

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

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

Parts Involved:

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

The following unit serial numbers are affected by this change:

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

Service Manager - Transmissions

SIL 134

Page 1 of 3

July 30, 1954

**SUBJECT: TORQMATIC CONVERTERS — TC-200 AND 300
SERIES — MODEL CONSOLIDATION**

Effective August 1, 1954, the TC-200 and 300 Series Torqmatic Converters will be broken down into Basic Converters and Option Kits.

A Basic Converter will consist of a Torqmatic Converter, Torqmatic Converter with accessory drive, or Torqmatic Converter with rear disconnect clutch. Such items as coolers, housings, drive rings, etc., are no longer part of a Basic Converter, but will be considered as options. Option Kits will contain all of the necessary parts to be completely assembled to a Basic Converter. This new system should simplify the process of ordering and stocking the units by the customer. At the same time, it will reduce the number of TC-200 and 300 models.

BASIC CONVERTERS

- A. Each Basic Converter will have an assembly number such as 675XXXX. For example, the assembly number of the TC-244 Basic Converter is P/N 6755291.
- B. Each Basic Converter will also have a model number such as TC-245. This is the portion of the model number that defines the Basic Converter. The letters and digits used are explained thus:
 - a. The letters refer to the type of Basic Converter:

TC	-	Converter Assembly
TCA	-	Converter with Accessory Drive
TCRD	-	Converter with Rear Disconnect Clutch

b. The first two digits will describe the Series:

TC-24X	-	240 Series
TC-32X	-	320 Series
TC-37X	-	370 Series

c. The third digit will refer to variations such as:

TC-XX4	-	Flange Output - Mechanics 4C
TC-XX5	-	Industrial Output - Standard Bearings
TC-XX6	-	SAE #3 Rear Disconnect Clutch Housing
TC-XX7	-	Industrial Shaft - Extra Duty Bearings
TC-XX8	-	Industrial Shaft - Bevel Pinion Mounting
TC-XX9	-	SAE #2 Rear Disconnect Clutch Housing

OPTION KITS

A. Each Option Kit will have an assembly number such as 675XXXX. For example, the assembly number for one Cooler Option Kit is P/N 6757005.

Customers who want to assemble options to the basic converter in their own plant, must order these options thus:

The customer wants to assemble a TCA-245 with a cooler, SAE #2 clutch housing with 10" ring and a 10" disconnect clutch. He should order:

TCA-245 Basic Converter P/N 6755386
Cooler Option Kit P/N 6757005
SAE #2 Clutch Housing and 10" Ring
Option Kit P/N 6757000
10" Disconnect Clutch Option Kit P/N 6757004

B. Each Option Kit will also have a Specification Number. The Option Kit Specification Number will begin with Serial Number 101. For example, the specification number for one cooler option kit is #101.

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Page 3 of 3
July 30, 1954

- a. Customers who want a Basic Converter with the options already assembled to it by Allison, should order thus:

Customer who wants the same Basic Converter with options as listed above would order -
TCA-245-107.

- b. In cases where Basic Converter assemblies must be partially disassembled to add special attaching parts, these parts will be classified as Special Options and must be assembled to the Basic Converter by Allison. All Special Options will be given Specification Numbers beginning with Serial Number 201. Example: TCA-248-201.

201-6757008 - Transmission Mounting
Plate Option

Due to the adoption of the Basic Converter and Option system, the models listed below are duplications and therefore will be cancelled. They will be released under this system as follows:

<u>Cancelled Part Number</u>	<u>Order now as:</u>
6754956	TC-244-101
6755063	TC-245-101
6755388	TCA-245-101
6755389	TCRD-246-101
6755391	TC-324-102
6755392	TC-325-102
6755393	TCA-325-102
6755394	TCRD-326-102
6755399	TC-374-102
6755400	TC-375-102
6755401	TCA-374-102
6755402	TCRD-375-102

Service Manager - Transmissions

Note: This letter supersedes and replaces
S.I.L. #136 dated August 9, 1954,
Rev. "A" dated 1-24-55 and Rev. "B"
dated 3-16-55.

SIL 136
Page 1 of 6
August 9, 1954
Rev. "A" 1-24-55
Rev. "B" 3-16-55
Rev. "C" 6-17-55

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

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

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

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

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

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

*Kunkle Fig. 286, 3/4" pressure relief
valve set for initial opening at 55 plus-
minus 5 psi.

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Rev. "A" 1-24-55
Rev. "B" 3-16-55
Rev. "C" 6-17-55

Exception to location of pressure relief valve

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

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

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

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

Pressure Limitation on TC-200 & 300 Series Converters.

1. The following oil "out" pressures must be provided at 225 degrees to 250 degrees F. oil temperatures:

TC-200

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

TC-300

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

Note: This page replaces and supersedes
Page 3 of 6 pages of S. I. L. No. 136
dated August 9, 1954, and Revision
"A" dated 1-24-55, Rev. "B" dated
3-16-55, Rev. "C" dated 6-17-55
and Rev. "D" dated 3-22-56.

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Rev. "C" 6-17-55
Rev. "D" 3-22-56
Rev. "E" 5-24-56

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

- 2.1 Pressure at Stall too High

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

- 2.2 Pressure at Stall too Low

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

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

-10° F and higher:

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

-10° F and lower:

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

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

+10° F and higher:

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

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+ 10° F and lower:

A mineral base oil meeting the following specifications:

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

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

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

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

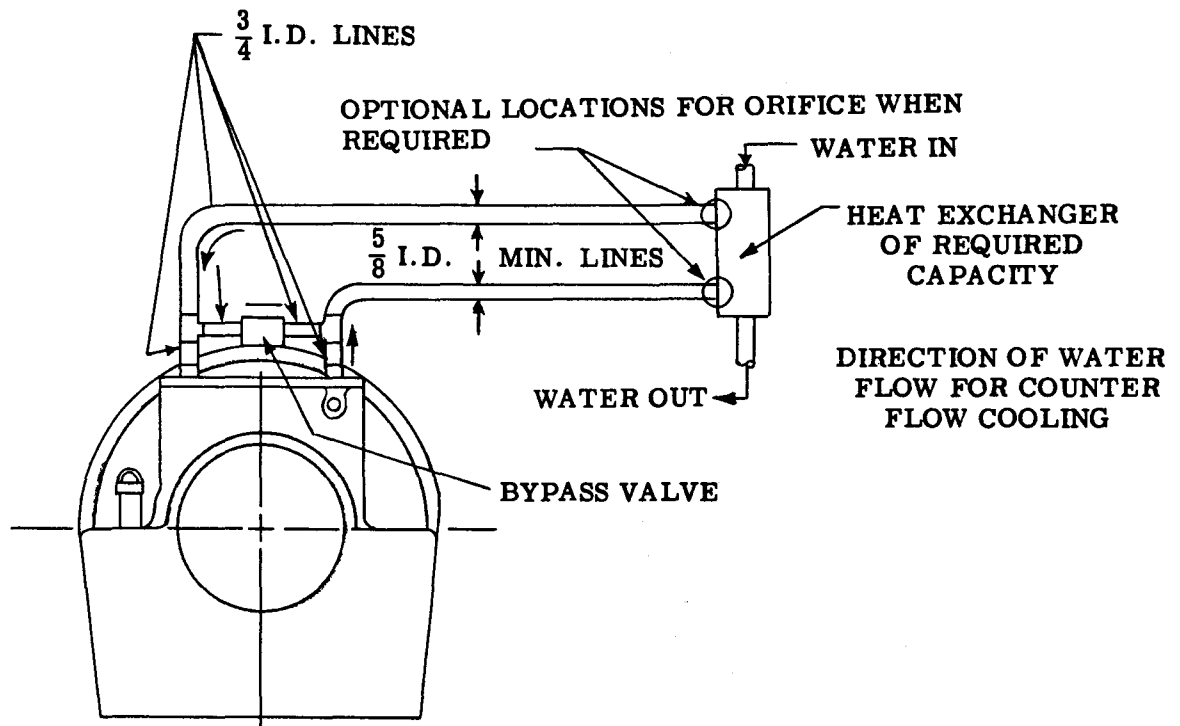
Since new products are continuously being tested by the oil industry, the listing may not contain all products marketed at the time of issue. Revised lists will be made available from time to time, as additional information is developed.

Service Manager - Transmissions

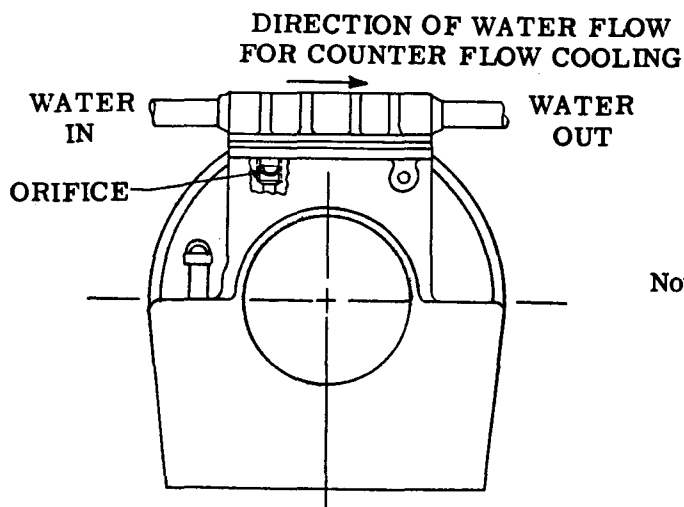
TC 200-300 SERIES CONVERTER
HYDRAULIC CIRCUIT RECOMMENDATIONS

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REMOTE HEAT EXCHANGER



INTEGRAL HEAT EXCHANGER



Note:
Cooler Oil Circuit
Contained in Unit