Eaton Fuller RTLOF-20918B Transmission Parts Manual

This is Eaton Fuller RTLOF-20918B Transmission parts manual brought to you by Pro Gear and Transmission to assist you identifying the parts for your Eaton / Fuller transmission unit.

If you need any assistance identifying the correct Eaton / Fuller unit for your truck and equipment, contact your Eaton replacement partspecialists at Pro Gear and Transmission.

Pro Gear stocks every part for your Eaton transmission including: Valve Assemblies, Synchronizers, Yoke Assemblies, O-Ring Kits, Drive Gears, Gaskets, Bearing and Seal Kits, and much more.

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Illustrated Parts List

RTLOF-20918B

November 2012

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How To Use The Illustrated Parts List

The information contained in this document is subject to frequent updates. Therefore, for the latest information available, please visit the interactive Electronic Parts Catalog at www.roadranger.com/epc.

Model Designation or Nomenclature

- For information regarding Model Designation and Nomenclature, visit www.roadranger.com.

Kits and Assemblies (K/A's)

- Kits and Assemblies contain groups of individual or assembled parts developed for optimal replacement or repair of a service problem.
- Kits and Assemblies are shown with applicable parts groupings in the parts listings.

Identifying Kits and Assemblies

A- Part numbers beginning with the letter 'A' are pre-assembled Production Assemblies

K- Part numbers beginning with the letter 'K' are kits that are not assembled

S- Part numbers beginning with the letter 'S' are pre-assembled Service Assemblies

- Note: Some Production Assemblies do not begin with a letter prefix (Midrange only).

Illustrations

- Illustrations show parts in assembly groups.
- Item numbers on illustrations correspond with parts listings on pages adjacent to the illustration.
- Notes are included on illustrations where additional information is needed.

Parts Listing

Parts listings are defined by parts groupings and are broken down by service assemblies. Parts listings identify a part for servicing with the following categories

- **Item Number** - corresponding with numbers on illlustrations for part identification.
- **Current Part** - indentifies part as it is available for service.
- **Description** - specifies part name or description.
- **Replaced Part** - quantity quantity required for assembly.
- **Quantity** - defines unique characteristics or requirements.
- **Notes** - indicates Kits or Assemblies that contain a particular part.
- **Kits/Assy's Where Used**

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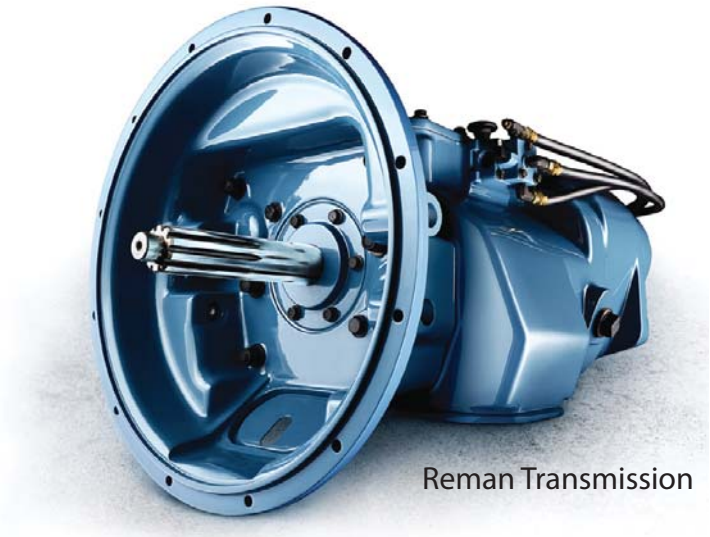
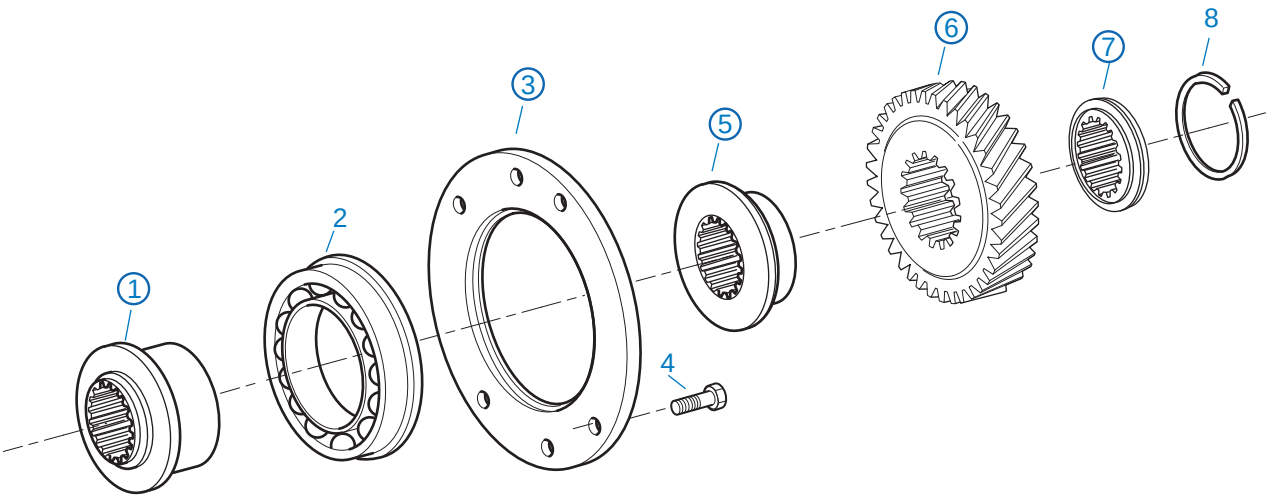


AFTMKT 09-12 Generic Illustration - Not specific to part numbers listed below

AFTERMARKET TRANSMISSIONS

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
	TA-E64-12X	RTLOF-20918B NEW SVC EXCH TRANS		1	WITH INTERNAL PUMP - NO CLUTCH HOUSING	
	TA-E64-50R	RTLOF-20918B REMAN TRANS		1	WITH FORCED LUBE	
	TA-E64-50RDS	RTLOF-20918B REMAN TRANS		1	DEALER STOCK - 14 DAY LEAD-TIME - WITH FORCED LUBE	

Group: AUXILIARY DRIVE GEAR

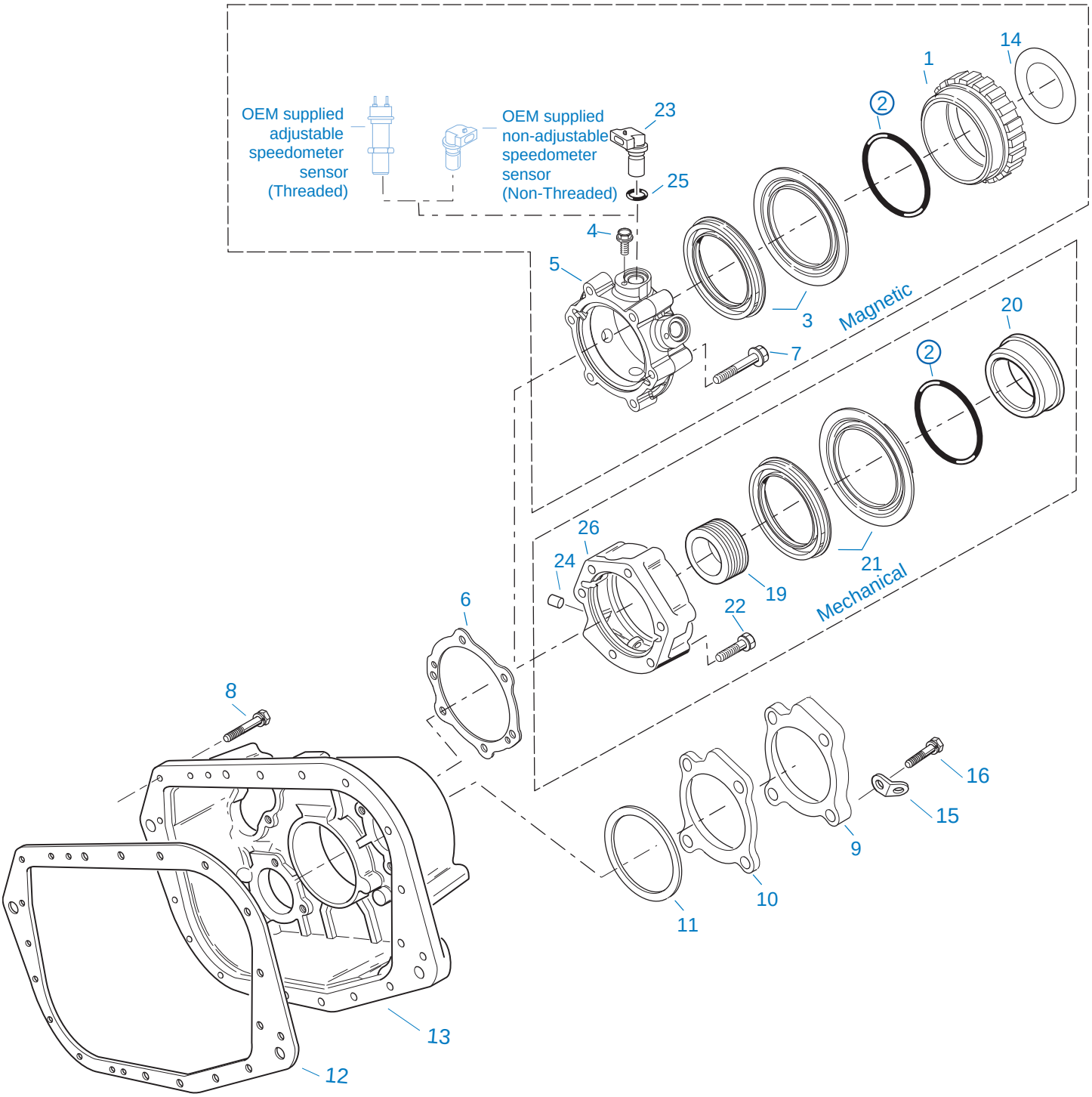


10484-6-93

AUXILIARY DRIVE GEAR

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1 ▶	4304499	SPACER		1		
2	5566510-BOX	BEARING	5566510	1		K-3339,K-3340,K-3751
3 ▶	4304497	RETAINER		1		
4	X-8-680	CAPSCREW		6	3/8"-16X1-1/2"	
5 ▶	4304500	SPACER		1		
6 ▶	4304084	AUXILIARY DRIVE GEAR		1		
7 ▶	4303185	WASHER	4300901	1		
8 ▶	4301254	SNAP RING		1		K-3327,K-3339,K-3340,K-3751

Group: CASE (AUX)



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CASE (AUX)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-2501	SPEEDO ROTOR ASSY	4302242	1	MAGNETIC	
2 ▶	5568511	-O- RING		1		K-2918,S-2501,S-2503,S-2763,S-

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Blue part numbers link to our listing. ▶ = add that part to your cart.

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
						2809,S-3135
3	K-2918	OIL SEAL KIT	4302322 4302323	1	"FOR MAGNETIC COVER"	K-3339,K-3340,K-3751,K-3913
4	X-8-0801M	CAPSCREW		2	M8 X 1.25 X 12MM	
5	S-2809	REAR BEARING COVER ASSY	4302332 ,4303872 ,4304652 ,4305830	1	PUSH-IN/THREAD-IN MAGNETIC PICK-UP	
6 ▶	1009551	GASKET - RED EDGE MOLDED		1	RED EDGE MOLDED GASKET - UNCOMPRESSED THICKNESS .043 - .051 - NOT INTERCHANGEABLE WITH ANY OTHER GASKET	K-2262,K-2918,K-3288,S-2502,S-2809,S-2859
6	4302247	GASKET - PURPLE EDGE MOLDED		1	NON EDGE MOLDED GASKET - UNCOMPRESSED THICKNESS - .013 - .018 - NOT INTERCHANGABLE WITH ANY OTHER GASKET	K-2262,K-2918,K-3288
7	X-8L-611	CAPSCREW		4	3/8"-16X3-1/4"	
7	X-8L-614	CAPSCREW		2	3/8"-16X2"	
7	X-8L-614	CAPSCREW		6	3/8"-16X2" USE W/4303872 RBC	
8	X-8L-602	CAPSCREW		17	3/8"-16X1-1/2"	
8	X-8L-614	CAPSCREW		2	3/8"-16X2"	
9 ▶	4302320	COVER	21346	2		S-2763,S-3135
10	4305978	GASKET	4302246	2		K-3288,K-3547,K-3913,S-2763,S-3135
11	K-2805	SHIM KIT	21452 K - 2106	1		K-3339,K-3340,K-3751,K-3913,S-2763,S-3135
12 ▶	14335	GASKET		1		K-3288,K-3913,S-2763,S-3135
13 ▶	4303586	REAR HOUSING		1		
14 ▶	4304653	SHIELD		1		S-2809
15 ▶	20815	LIFTING EYE		2		S-2763,S-3135
16	X-8L-604	CAPSCREW		8	3/8"-16X1-1/4"	K-3547,S-3135
19 ▶	86104	SPEEDO DRIVE GEAR		1		
20	S-2503	SPEEDO SPACER ASSY	4302590	1	MECHANICAL	
21	K-2262	OIL SEAL W/SLINGER	19109 ,20807 ,20808	1	"FOR MECHANICAL COVER"	
22	X-8L-616	CAPSCREW	X 8 616	(6)	3/8"-16X2-3/4"	
23	K-3454	SPEED SENSOR KIT	A - 6398 ,A - 6724	1	SINGLE PICK-UP (2 PIN)	
23	K-3455	SPEED SENSOR KIT, DUAL	A - 7046 ,A - 7518	1	DUAL PICK-UP (4 PIN)	

Blue part numbers link to our listing. ▶ = add that part to your cart.

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
24	7992	BUSHING		1		S-2502,S-2859
25 ▶	14142	-O- RING		1		S-2763,S-3135
26	S-2502	REAR BRG COVER ASSY	4303604 ,4305827	1	MECHANICAL - 4:00 OPENING	
26	S-2859	REAR BRG COVER ASSY	4302732 ,4305826	1	MECHANICAL - 6:00 OPENING	

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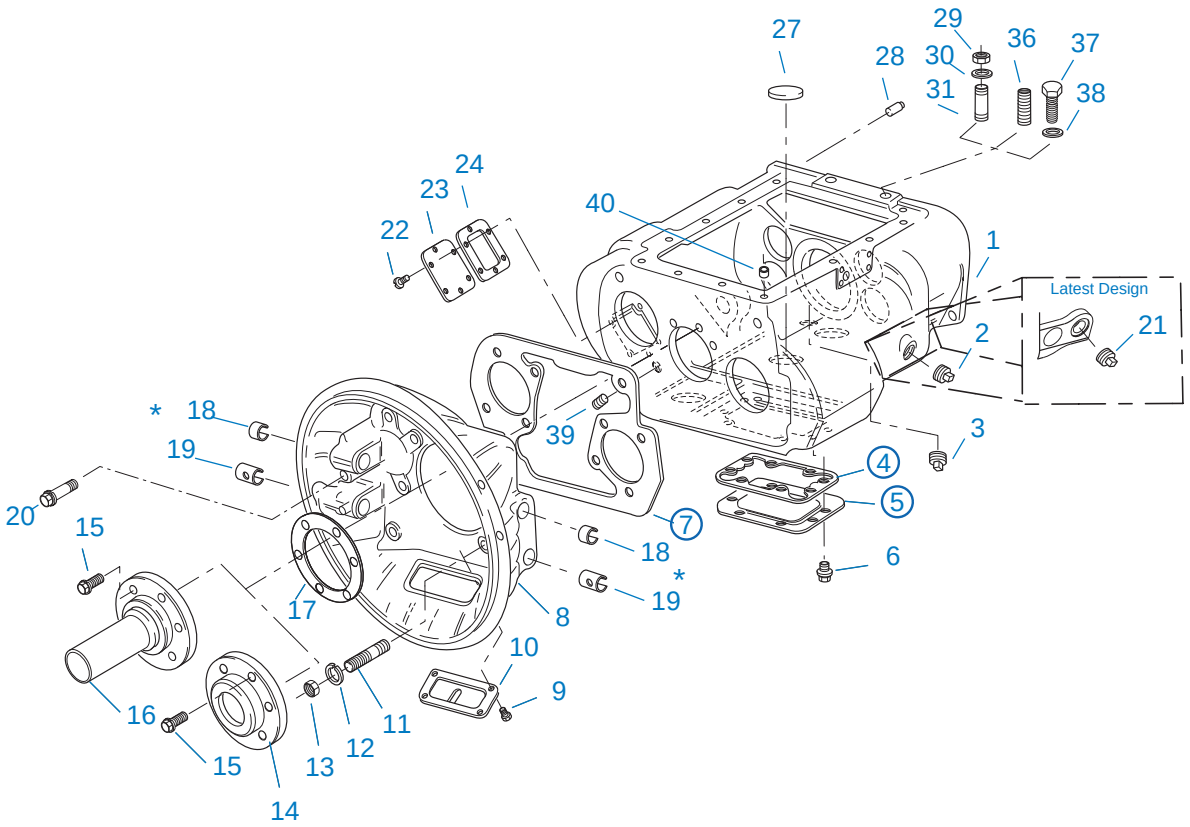
Group: CASE (FRONT)



10300A-11-97 Iron/Alum Hsg

* Bushing quantity requirements: #1 Housing – Upper bore use 4 #12815 / Lower bore use 2 #8677.
#2 Housing – Upper bore use 2 #12815 and 1 #8677 / Lower bore use 2 #8677.

Note: Some part requirements are specific to #1 or #2 Aluminum or Iron Clutch Housings and Push or Pull type Clutch.

CASE (FRONT)

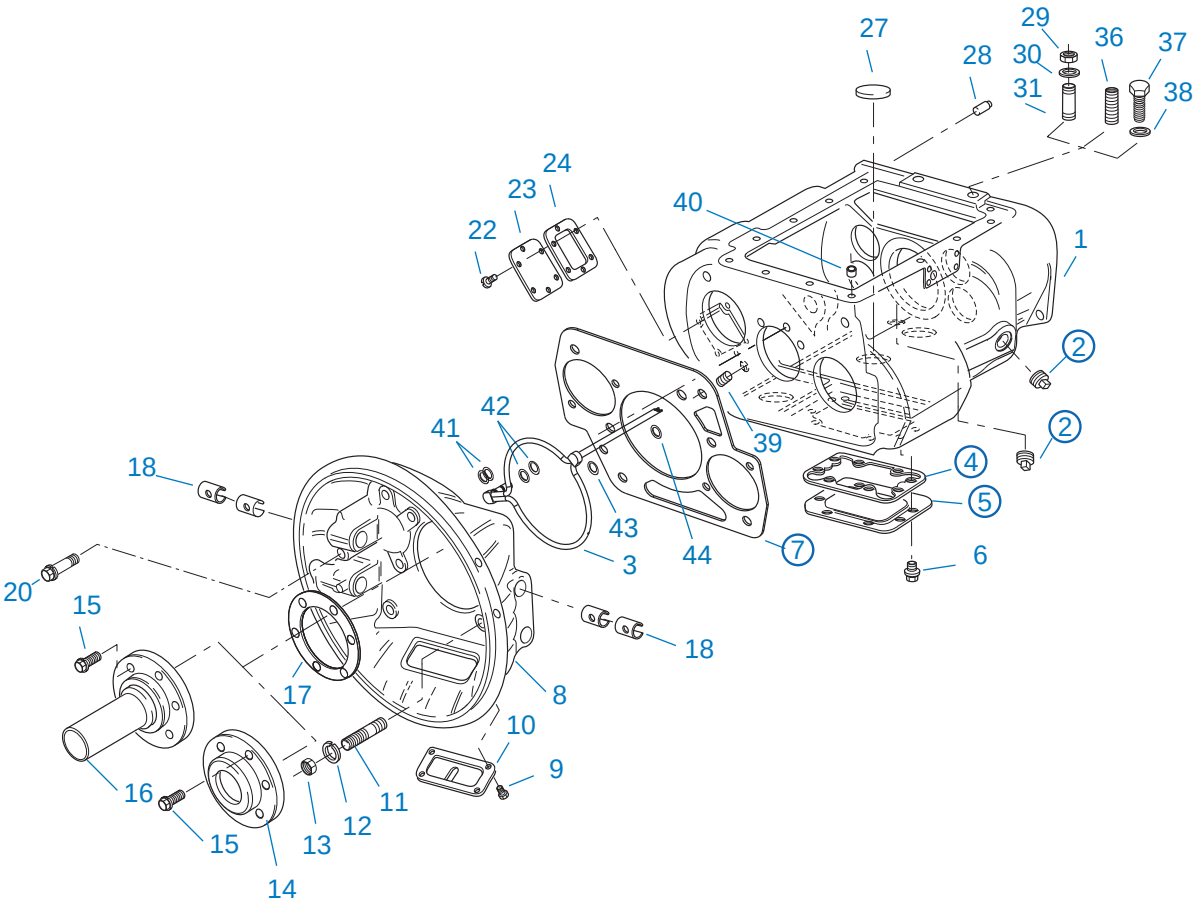
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-3018	CASE ASSEMBLY	4304498 ,4305810 ,S - 2735	1		
2	X-12-2007	PIPE PLUG	X12 2006	1		
3	X-12-1207	PIPE PLUG	X12 1202 ,X12 1206	1	3/4" MAGNETIC	
4 ▶	4305310	GASKET	4302810	1		K-3288
5 ▶	4302809	PTO COVER	16596 ,4300571	1		
6	X-8-725	CAPSCREW	X 8 724	8	7/16"-14X7/8"	
7 ▶	4306584	CLUTCH HOUSING GASKET	4304815,4305668	1		K-3288,K-3671,K-3672,K-3673,K-3676,K-3677
8	A-3713	CLUTCH HOUSING ASSY	A - 3700	1	#1 PUSH-PULL IRON	
8	A-3723	CLUTCH HOUSING ASSY	A - 3721 ,A - 3722	1	#2 PUSH-PULL IRON	
8	A-4772	CLUTCH HOUSING ASSY	A - 4344 ,A - 4771	1	#2 PUSH-PULL ALUM.	

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
8	A-5992	CLUTCH HOUSING ASSY	4301103	1	#1 PULL ALUM.(SPECIAL-LIGHTER WEIGHT)	
9 ▶	239614	SCREW	X-8L-509	4	5/16-18X.81 QUANTITY DEPENDENT ON DESIGN	
10 ▶	14506	HAND HOLE COVER		1	#2 PUSH	
10 ▶	14507	HAND HOLE COVER		1	#2 PULL	
10 ▶	4305230	HAND HOLE COVER	11453	1	#1 PULL	
10 ▶	4305231	HAND HOLE COVER	1565	1	#1 PUSH	
11 ▶	4306583	STUD	5966	6		
12	X-10-1005	WASHER	X 3 1000 ,X10 1000 ,X10 1004	6	1.23 X 6.60	
13	X-1-1012	HEX NUT	X-1-1005	6	.625-18	
14 ▶	20550	FRONT BEARING COVER		1	2" PULL	K-2468,K-3751,K-4125
15	X-8L-604	CAPSCREW		6	3/8"-16X1-1/4"	K-3547,S-3135
16 ▶	20549	FRONT BEARING COVER		1	2" PUSH	
17 ▶	14311	GASKET		1		K-3288
18 ▶	12815	BUSHING		2	FOR #2 HOUSING UPPER	A-3713,A-3723,A-4772,A-5992,K-2468,K-3751
18 ▶	12815	BUSHING		4	FOR #1 HOUSING UPPER	A-3713,A-3723,A-4772,A-5992,K-2468,K-3751
18	8677	BUSHING		1	FOR #2 HOUSING UPPER	A-3713,A-3723,A-4772
19	8677	BUSHING		2	FOR #1 AND #2 HOUSING LOWER	A-3713,A-3723,A-4772
20	X-8C-830	HEX HEAD SCREW/WASHER ASSY	X-8C-826	4	.500-13 X 1.490, USE 2 PCS FOR IRON HOUSING, USE 4 PCS FOR ALUMINUM HOUSING	K-3677
20	X-8C-831	HEX HEAD SCREW/WASHER ASSY	X-8C-822	2	.500-13 X 3.460, FOR IRON HOUSING	
21 ▶	4304023	PLUG	4303747	1	1-1/16" MAGNETIC, O-RING INCLUDED	K-3751,S-3001,S-3018
22	X-8-686	CAPSCREW		6	3/8"-16X3/4"	
23 ▶	14575	PTO COVER	4302254	1		
24 ▶	4305309	GASKET	1684	1		K-3288
27 ▶	14373	MAGNET		3		K-3751,S-3001,S-3018
28 ▶	18128	PIN		2		

Blue part numbers link to our listing. ▶ = add that part to your cart.

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
29	X-1-1012	HEX NUT		2	.625-18	
30	X-10-1005	WASHER	X 3 1000 ,X10 1000 ,X10 1004	2	1.23 X 6.60	
31 ▶	14554	STUD	1632 ,6579	2	5/8" X 2-3/16"	
36 ▶	23104	PLUG	1712	2		
37	X-8-1005	CAPSCREW		2	5/8"-11X1-1/4"	
38 ▶	20814	SPACER		2		
39	X-12-802	PIPE PLUG	X12 800	1	1/2"	
40 ▶	4302680	BUSHING		1		

Group: CASE (FRONT) FORCED LUBE



10319-11-99 Alum Hsg

CASE (FRONT) FORCED LUBE

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-3001	CASE ASSEMBLY	4305390 ,4305810 ,S - 2891	1		
2 ▶	4304023	PLUG	4303747	2	1-1/16" MAGNETIC, O-RING INCLUDED	K-3751,S-3001,S-3018
3	A-7194	LUBE TUBE ASSY	4304921 ,A - 7141	1		
3	A-7471	EXTENDED LUBE TUBE ASSY	4305393	1	NOT TO BE USED WITH 4304796 CASE	
4 ▶	4305310	GASKET	4302810	1		K-3288
5 ▶	4302809	PTO COVER	16596 ,4300571	1		
6	X-8-725	CAPSCREW	X 8 724	8	7/16"-14X7/8"	
7 ▶	4306584	CLUTCH HOUSING GASKET	4304815,4305668	1		K-3288,K-3671,K-3672,K-3673,K-3676,K-3677
8	K-3671	FORCED LUBE CL HSG KIT	A - 7148	1	#1 PULL IRON	

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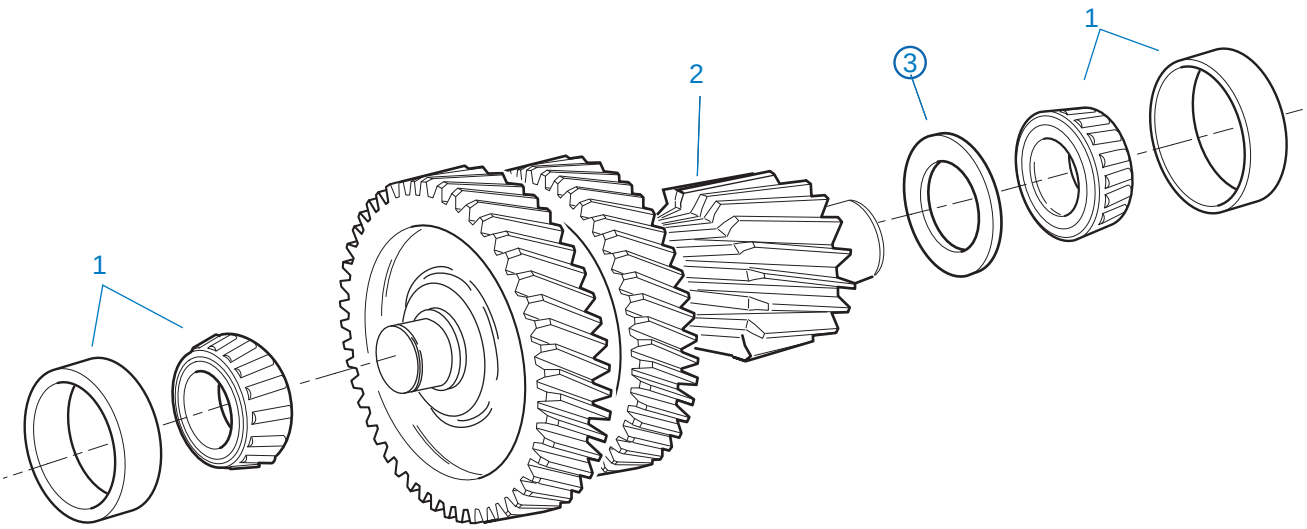
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
8	K-3672	FORCED LUBE CL HSG KIT	A - 7149 ,A - 7150	1	#1 PULL IRON - NODAL MOUNT - UPPER/LOWER	
8	K-3673	FORCED LUBE CL HSG KIT	A - 7146	1	#1 PULL ALUMINUM - NODAL MOUNT	
8	K-3676	FORCED LUBE CL HSG KIT	A - 7145	1	#1 PULL ALUMINUM	
8	K-3677	FORCED LUBE CL HSG KIT	A-7592	1	#1 PULL IRON - NODAL MOUNT - UPPER	
9 ▶	239614	SCREW	X-8L-509	4	5/16-18X.81 QUANTITY DEPENDENT ON DESIGN	
10 ▶	4305230	HAND HOLE COVER	11453	1	#1 PULL	
10 ▶	4305231	HAND HOLE COVER	1565	1	#1 PUSH	
11 ▶	4306583	STUD	5966	6		
12	X-10-1005	WASHER	X 3 1000 ,X10 1000 ,X10 1004	6	1.23 X 6.60	
13	X-1-1012	HEX NUT	X-1-1005	6	.625-18	
14 ▶	20550	FRONT BEARING COVER		1	2" PULL	K-2468,K-3751,K-4125
15	X-8L-604	CAPSCREW		6	3/8"-16X1-1/4"	K-3547,S-3135
16 ▶	20549	FRONT BEARING COVER		1	2" PUSH	
17 ▶	14311	GASKET		1		K-3288
18 ▶	12815	BUSHING		4		A-3713,A-3723,A-4772,A-5992,K-2468,K-3751
20	X-8C-830	HEX HEAD SCREW/WASHER ASSY	X-8C-826	4	.500-13 X 1.490	K-3677
20	X-8C-831	HEX HEAD SCREW/WASHER ASSY	X-8C-822	2	.500-13 X 3.460	
22	X-8-686	CAPSCREW		6	3/8"-16X3/4"	
23 ▶	14575	PTO COVER	4302254	1		
24 ▶	4305309	GASKET	1684	1		K-3288
27 ▶	14373	MAGNET		3		K-3751,S-3001,S-3018
28 ▶	18128	PIN		2		
29	X-1-1012	HEX NUT		2	.625-18	
30	X-10-1005	WASHER	X 3 1000 ,X10 1000 ,X10 1004	2	1.23 X 6.60	
31 ▶	14554	STUD	1632 ,6579	2	5/8" X 2-3/16"	
36 ▶	23104	PLUG	1712	2		

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
37	X-8-1005	CAPSCREW		2	5/8"-11X1-1/4"	
38 ▶	20814	SPACER		2		
39	X-12-802	PIPE PLUG	X12 800	1	1/2"	
40 ▶	4302680	BUSHING		1		
41 ▶	13835	-O- RING		2		K-3341,K-3751
42 ▶	13653	-O- RING		2		K-3331,K-3341,K-3751
43 ▶	5568544	-O- RING		1		K-3341
44 ▶	13834	-O- RING		1		K-3341

Group: COUNTERSHAFT & BRGS(AUX)

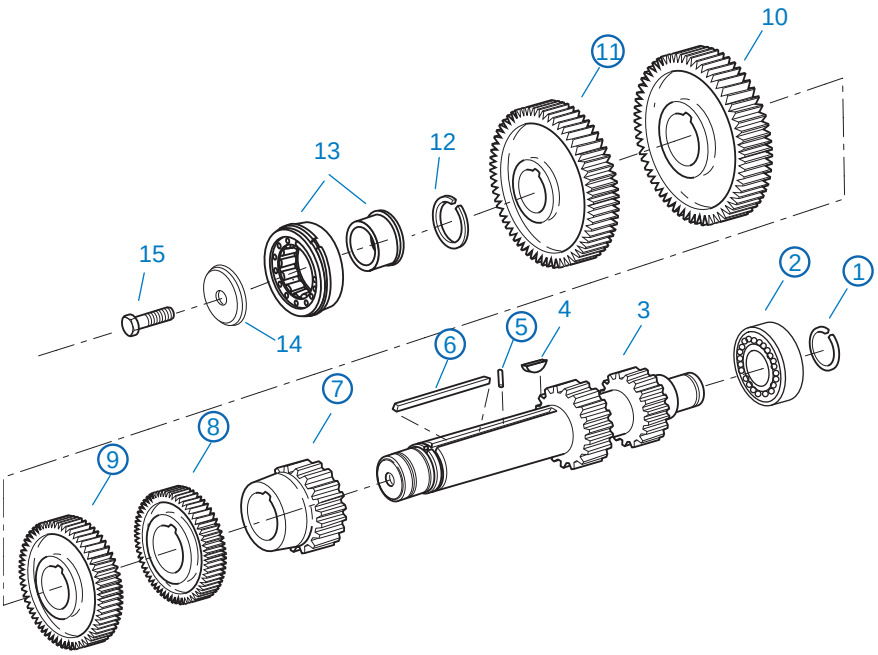


10444-5/93 CS Helical

COUNTERSHAFT & BRGS(AUX)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	4301851-BOX	BEARING	4301851	4		K-3339,K-3340,K-3751,K-3913
2	A-6888	WELDED COUNTERSHAFT ASSY		2	C/S 4303143 - D/G 4304085 S/G 4304087	
3 ▶	4303124	SPACER		2		

Group: COUNTERSHAFT ASSY



10364-11-96 CS/RT

COUNTERSHAFT ASSY

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
0	S-3039	COUNTERSHAFT ASSEMBLY, RIGHT		(1)	COMPLETE COUNTERSHAFT ASSEMBLY, RIGHT	
0	S-3040	COUNTERSHAFT ASSEMBLY, LEFT		(1)	COMPLETE COUNTERSHAFT ASSEMBLY, LEFT	
1 ▶	4302082	SNAP RING		2		K-3327,K-3339,K-3340,K-3751,S-3039,S-3040
2	4302712	BEARING		2		K-3339,K-3340,K-3751
3	K-2947	CNTRSHFT-W/REV & LO	4302652	2		
4	X-6-E	KEY		2		S-3039,S-3040
5 ▶	62511	ROLL PIN		2		S-3039,S-3040
6 ▶	4304840	KEY	19673	2		S-3039,S-3040
7 ▶	4304765	1ST GEAR-CNTRSHFT	4303702 ,4304520	2		S-3039,S-3040
8	4304518	2ND GEAR-CNTRSHFT	4303700	2		S-3039,S-3040
9 ▶	4303666	OD GEAR-CNTRSHFT	4304508 ,4304315	2		K-3751,S-3039,S-3040
10 ▶	15953	PTO GEAR - LOWER		1		S-3040
10 ▶	20840	PTO GEAR - UPPER	15952	1		S-3039
11 ▶	4302666	DRIVE GEAR-CNTRSHFT	4303697,4304512	2		K-3751,S-3039,S-

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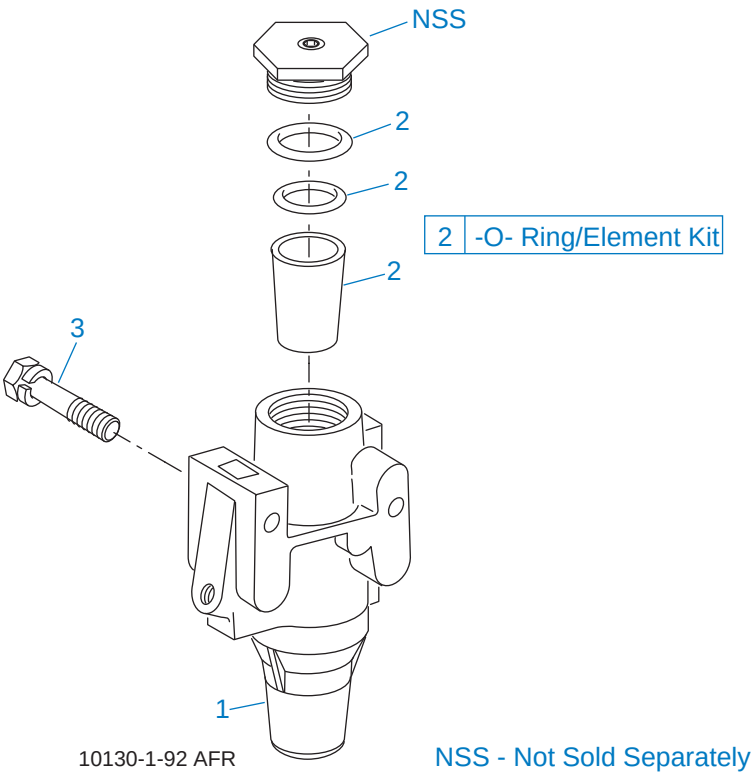
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
						3040
12 ▶	19198	SNAP RING		2		K-3327,K-3751,S-3039,S-3040
13	4304599	BEARING	4302677, 4304598, 4306332	2		K-3339,K-3340,K-3751
14 ▶	4304605	RETAINER	19548	2		
15	X-7-1005	CAPSCREW		2	5/8"-18X1-3/4"	



FILTER REGULATOR

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	A-4740	FILTER/REGULATOR	19600	1		K-3751
2	K-1698	-O- RING/ELEMENT KIT		1	FOR FILTER REGULATOR	
3	X-8C-412	CAPSCREW	X 8S 412	2	1/4"-20X2-1/4"	

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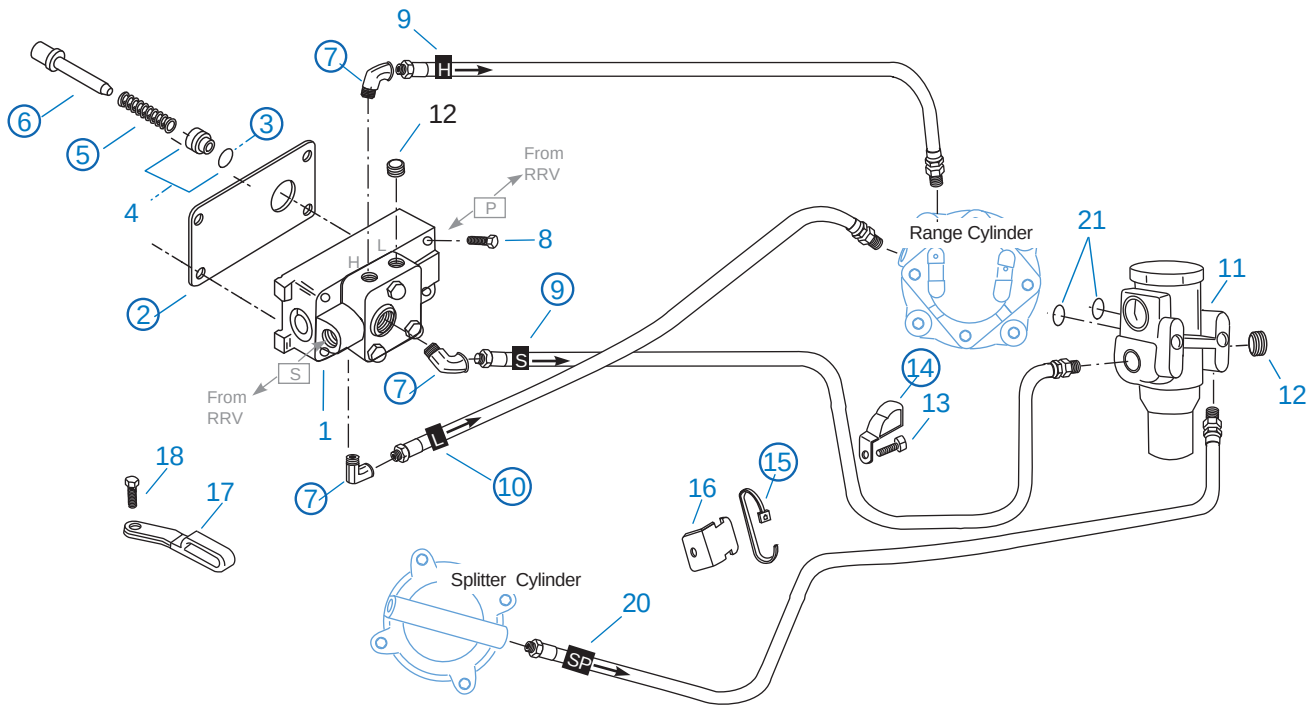
Group: H & C W/A-5000 VALVE

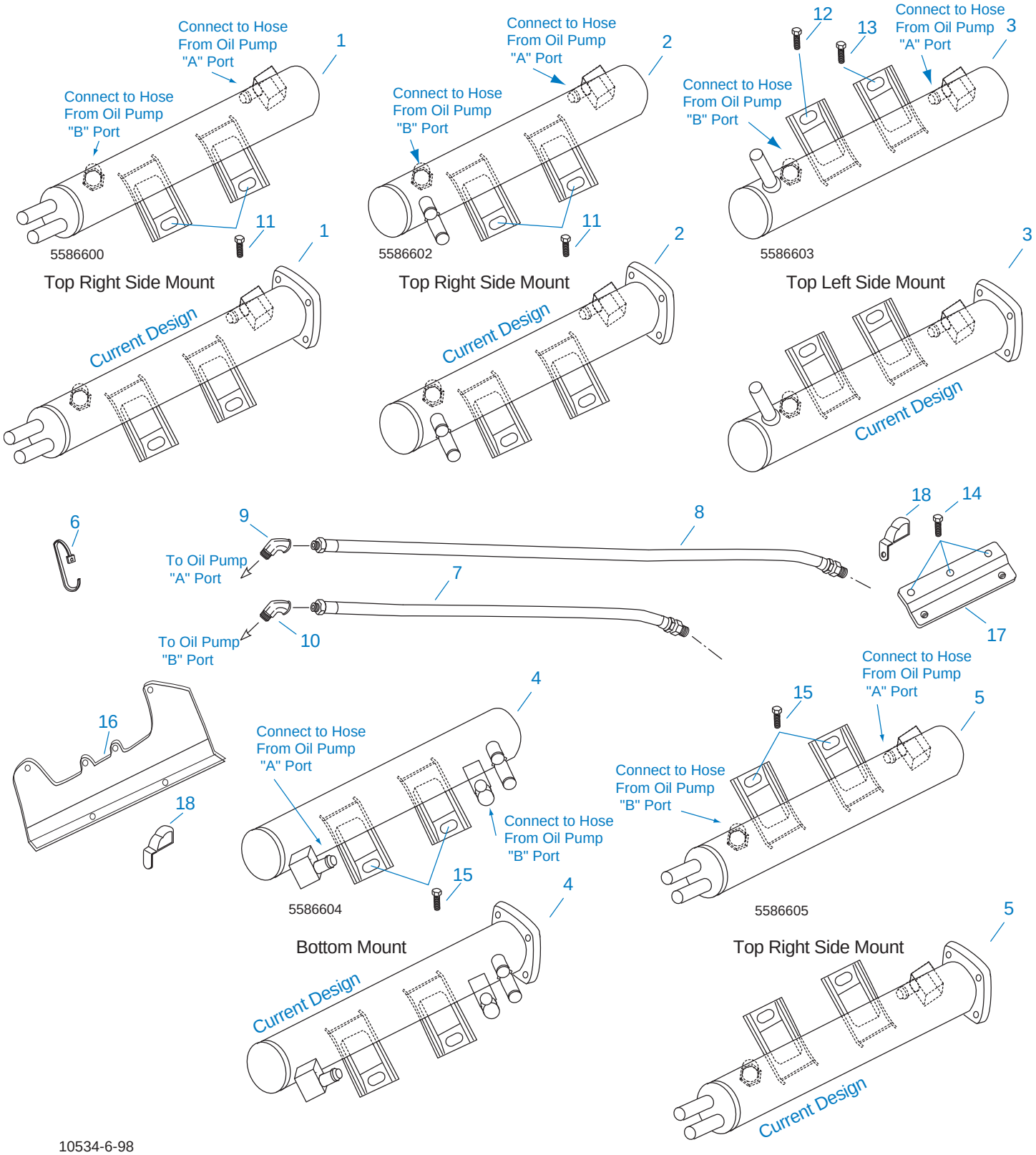


10110I-2/94 A-5000 HC spl cyl

H & C W/A-5000 VALVE

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	A-5000	SLAVE VALVE ASSY	20850	1		K-3751
2 ▶	19481	GASKET		1		K-3288
3 ▶	19462	-O- RING	14033	1		K-1969
4	K-1969	SLEEVE KIT	14362 ,19460 ,21446	1	FOR SLAVE VALVES	K-3751
5 ▶	21268	SPRING	19572	1		
6 ▶	20490	PIN	19459	1		
7 ▶	12845	ELBOW		3	1/8"	K-3751
8	X-8C-411	CAPSCREW		4	1/4"-20X1-3/4"	
9 ▶	55528	HOSE ASSY		2	36"	K-3751
10 ▶	55509	HOSE ASSY		1	34"	K-3751
11	A-4740	FILTER/REGULATOR	19600	1		K-3751
12	X-12-208	PIPE PLUG		2	1/8" NPT	
13	X-8L-604	CAPSCREW		1	3/8"-16X1-1/4"	K-3547,S-3135
14 ▶	21427	HOSE CLAMP		1		K-3751
15 ▶	21425	STRAP		1		K-3247,K-3280,K-3751

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
16 ▶	21426	BRACKET		1		K-3751
17 ▶	21428	HOSE CLAMP		1		K-3751
18	X-8L-604	CAPSCREW		1	3/8"-16X1-1/4"	K-3547,S-3135
20 ▶	55527	HOSE ASSY		1	15"	K-3751
21 ▶	15114	-O- RING		2		A-5000,K-1935,K-3341,K-3751



HEAT EXCHANGER

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed

Blue part numbers link to our listing. ▶ = add that part to your cart.

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	K-3952	HEAT EXCHANGER KIT	5586612,5586625	1	3/4" PORTS	
1	K-3963	HEAT EXCHANGER KIT	5586600,K-3620	1	MUST USE WHEN REPLACING 5586600 HEAT EXCHANGER WITH 5/8" PORTS, 5/8" TO 3/4" ADAPTERS ARE INCLUDED IN THIS KIT	
2	K-3954	HEAT EXCHANGER KIT	5586614,5586627	1	3/4" PORTS	
2	K-3965	HEAT EXCHANGER KIT	5586602 ,K - 3362,K-3622	1	MUST USE WHEN REPLACING 5586602 HEAT EXCHANGER WITH 5/8" PORTS, 5/8" TO 3/4" ADAPTERS ARE INCLUDED IN THIS KIT	
3	K-3955	HEAT EXCHANGER KIT	5586615,5586628	1	3/4" PORTS	
3	K-3966	HEAT EXCHANGER KIT	5586603,K-3623,K-3655	1	MUST USE WHEN REPLACING 5586603 HEAT EXCHANGER WITH 5/8" PORTS, 5/8" TO 3/4" ADAPTERS ARE INCLUDED IN THIS KIT	
4	K-3956	HEAT EXCHANGER KIT	5586629	1	3/4" PORTS	
4	K-3967	HEAT EXCHANGER KIT	5586604,5586616,K-3624	1	MUST USE WHEN REPLACING 5586604 HEAT EXCHANGER WITH 5/8" PORTS, 5/8" TO 3/4" ADAPTERS ARE INCLUDED IN THIS KIT	
5	K-3959	HEAT EXCHANGER KIT	5586633	1	3/4" PORTS	
5	K-3968	HEAT EXCHANGER KIT	5586605 ,K - 3360,K-3625	1	MUST USE WHEN REPLACING 5586605 HEAT EXCHANGER WITH 5/8" PORTS, 5/8" TO 3/4" ADAPTERS ARE INCLUDED IN THIS KIT	
5	K-3972	HEAT EXCHANGER KIT	5586609, 5586620	1		
6 ▶	21425	STRAP		2		K-3247,K-3280,K-3751
7 ▶	5588101	OIL HOSE ASSEMBLY	5586901	1	14.5"	
7 ▶	5588103	OIL HOSE ASSEMBLY	5586903	1	30.0"	
7 ▶	5588107	OIL HOSE ASSEMBLY	5586907	1	45.0"	
7 ▶	5588109	OIL HOSE ASSEMBLY	5586909	1	28.0"	
8 ▶	5588102	OIL HOSE ASSEMBLY	5586902	1	26.5"	K-3968
8 ▶	5588105	OIL HOSE ASSEMBLY	5586905	1	21.5"	
8 ▶	5588106	OIL HOSE ASSEMBLY	5586906	1	40.0"	
8 ▶	5588108	OIL HOSE ASSEMBLY	5586908	1	52.0"	
9 ▶	4304076	ELBOW		1	FOR OIL PUMP "A" PORT	

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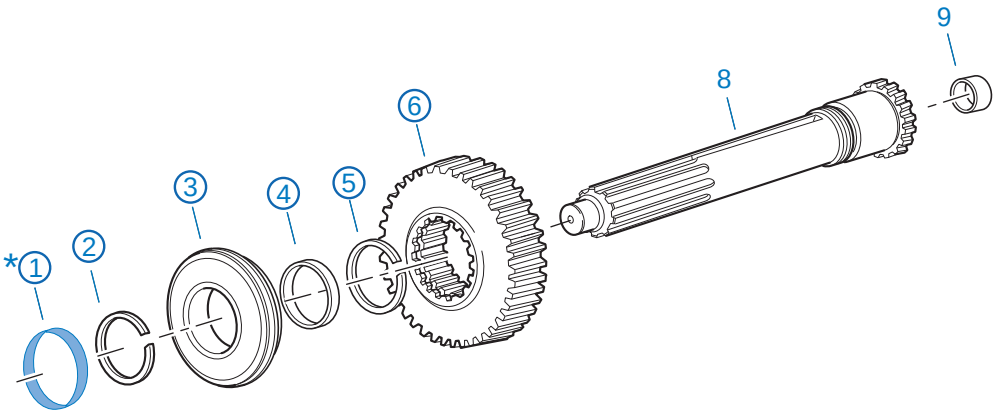
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
10 ▶	4301123	ELBOW		1	FOR OIL PUMP "B" PORT	K-3441
11	X-8C-6109	CAPSCREW		2	3/8"-16X1-1/4"	
12	X-8L-602	CAPSCREW		1	3/8"-16X1-1/2"	
13	X-8C-6109	CAPSCREW		1	3/8"-16X1-1/4"	
14	X-8L-602	CAPSCREW		3	3/8"-16X1-1/2"	
15	X-8C-6111	SCREW		2	3/8"-16X3/4"	
16	K-3902	MOUNTING BRACKET	4304665	1		
17 ▶	4304683	BRACKET		1		
18 ▶	4303681	HOSE CLAMP		1		

Group: INPUT SHAFT & DRIVE GEAR



* For Shipping Only -- Do Not Replace

*

10370-1/92 IS

INPUT SHAFT & DRIVE GEAR

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1 ▶	23559	SEAL		1	NOT SOLD FOR SERVICE	
2 ▶	16980	SNAP RING		1		K-2468,K-3327,K-3339,K-3340,K-3751,K-4125
3 ▶	81504	BEARING		1		K-2468,K-3339,K-3340,K-3751,K-4125
4 ▶	16463	SPACER		1		
5 ▶	14750	SNAP RING		1		K-2468,K-3327,K-3339,K-3340,K-3751,K-4125,S-3052
6 ▶	4304510	MAIN DRIVE GEAR	4303695 ,4304314	1		K-3751
8	S-1659	INPUT SHAFT	20535 23566 ,4302661	1	2" PULL - USE W/FBC 20550	K-2468,K-3339,K-3751,K-4125
8	S-1660	INPUT SHAFT	20536 ,23567	1	2" PUSH - USE W/FBC 20549	
9 ▶	16566	BUSHING		1		K-3340,S-1659,S-1660

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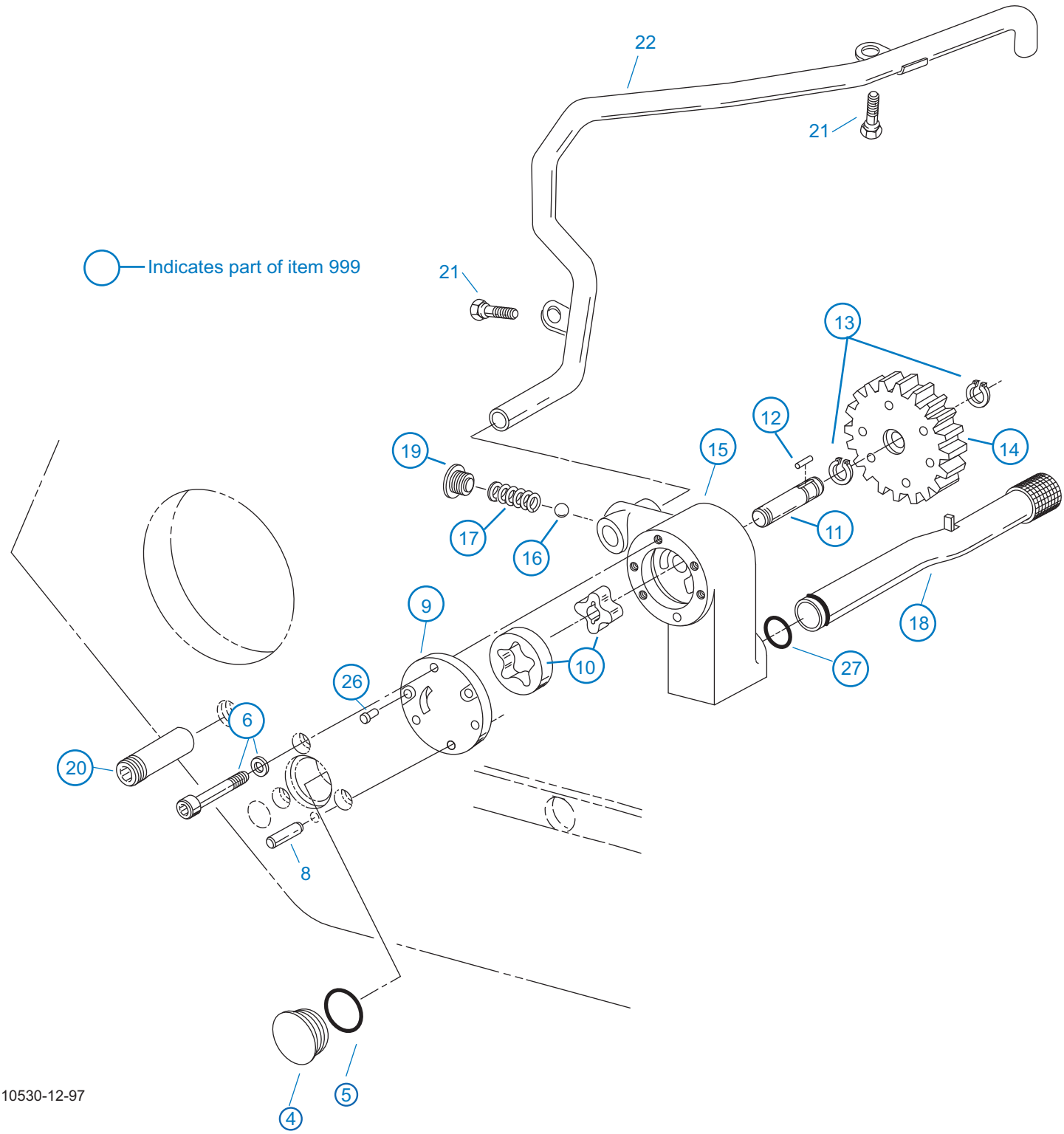
Group: INTEGRAL OIL PUMP



INTEGRAL OIL PUMP

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
4 ▶	20823	PLUG		1		
5 ▶	14765	-O- RING		1		K-3341

Blue part numbers link to our listing. ▶ = add that part to your cart.

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
6	K-4126	FASTENER KIT	20824, X-8-448	1	KIT CONTAINS 3 FASTENERS AND 3 WASHERS	K-3367
8 ▶	20825	DOWEL PIN		1		
9 ▶	4303773	RETAINER		1		
10	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
11	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
12 ▶	20509	KEY		1		
13 ▶	14853	SNAP RING		2		
14 ▶	4303774	PUMP DRIVE GEAR	4304880	1		
15	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
16	X-14-700	STEEL BALL		1	7/16"	
17 ▶	4303775	SPRING		1		
18 ▶	4305713	SUCTION TUBE	4304628	1	O-RING INCLUDED ON SUCTION TUBE	K-3367
19 ▶	4304629	PLUG		1		
20 ▶	4303828	PLUG		1		K-3367
21	X-8-686	CAPSCREW		2	3/8"-16X3/4"	
22 ▶	4305715	SPLITTER LUBE TUBE	A - 7197	1		
26	X-8-447	SCREW		2		
27 ▶	20225	-O- RING		1		K-3751
999	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		

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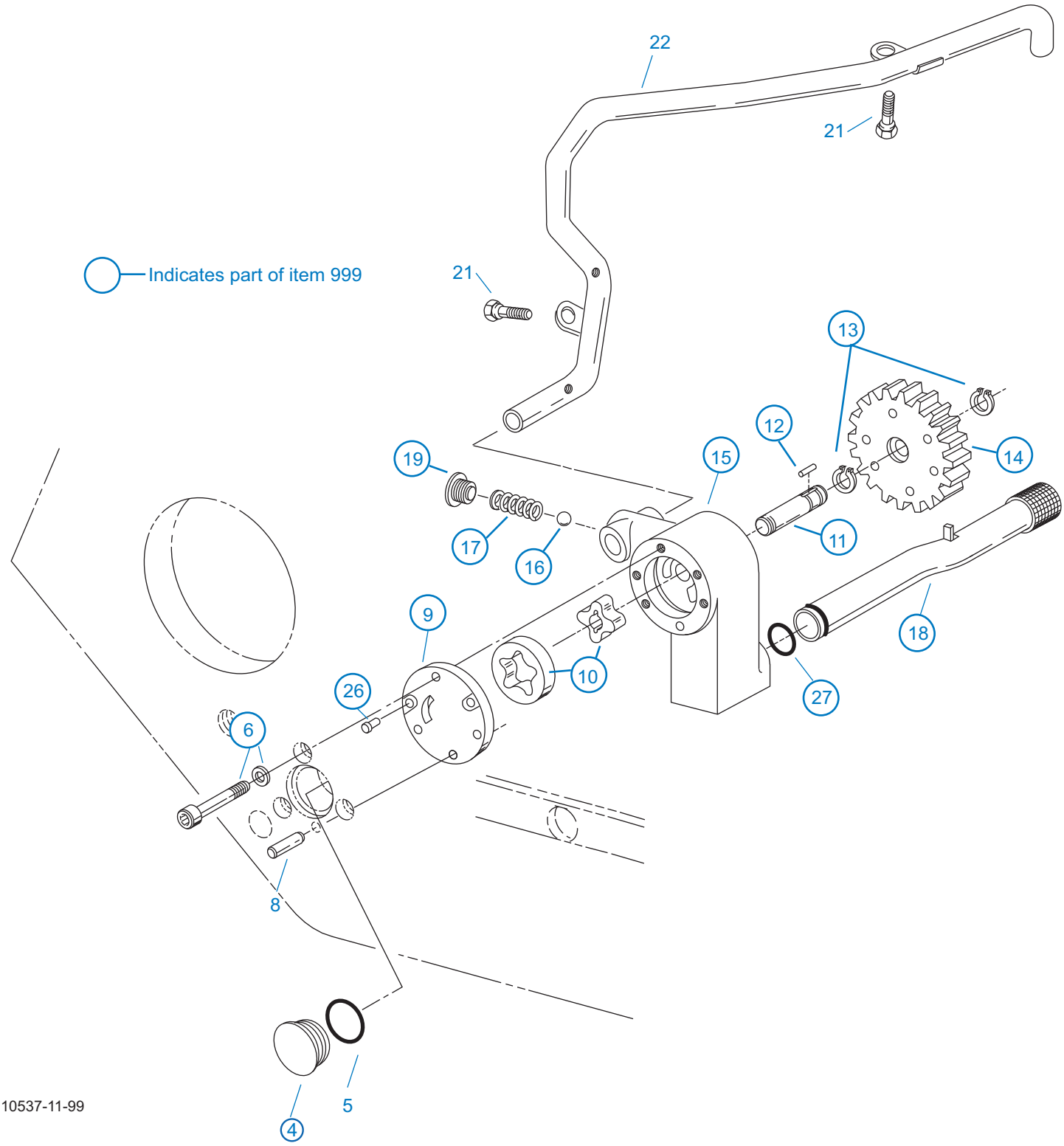
Group: INTEGRAL OIL PUMP (FORCED LUBE)



INTEGRAL OIL PUMP (FORCED LUBE)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
4 ▶	20823	PLUG		1		

Blue part numbers link to our listing. ▶ = add that part to your cart.

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
5 ▶	14765	-O- RING		1		K-3341
6	K-4126	FASTENER KIT	20824, X-8-448	1	KIT CONTAINS 3 FASTENERS AND 3 WASHERS	K-3367
8 ▶	20825	DOWEL PIN		1		
9 ▶	4303773	RETAINER		1		
10	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
11	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
12 ▶	20509	KEY		1		
13 ▶	14853	SNAP RING		2		
14 ▶	4303774	PUMP DRIVE GEAR	4304880	1		
15	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
16	X-14-700	STEEL BALL		1	7/16"	
17 ▶	4303775	SPRING		1		
18 ▶	4305713	SUCTION TUBE	4304628	1	O-RING INCLUDED ON SUCTION TUBE	K-3367
19 ▶	4304629	PLUG		1		
21	X-8-686	CAPSCREW		2	3/8"-16X3/4"	
22 ▶	4305715	SPLITTER LUBE TUBE	A - 7197	1		
26	X-8-447	SCREW		2		
27 ▶	20225	-O- RING		1		K-3751
999	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		

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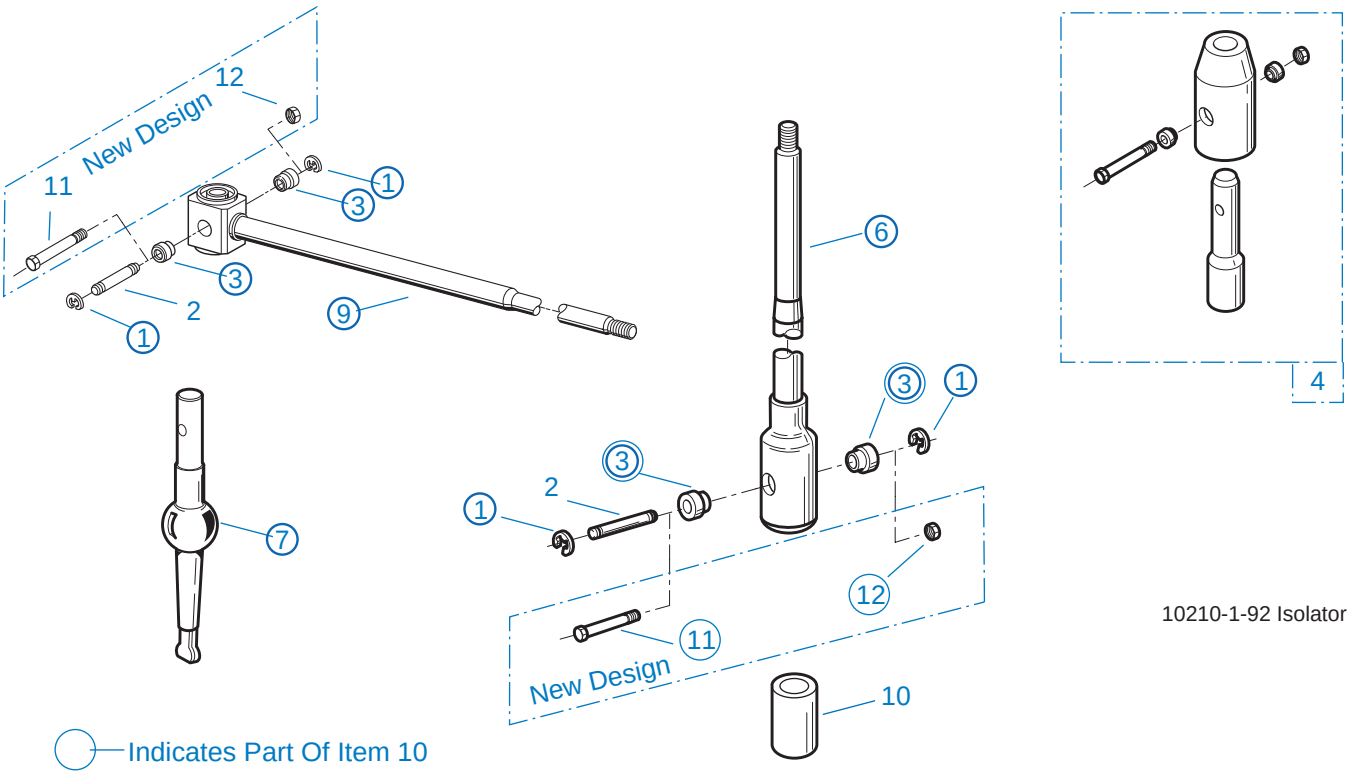
Group: ISOLATORS



10210-1-92 Isolator

ISOLATORS

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1 ▶	19124	-E- RING		2		
2	K-3467	PIN REPLACEMENT KIT	21245	1		
3 ▶	21246	BUSHING		2		K-2003,K-2428,K-2429,K-2978,K-3399,S-2129,S-2130,S-2519
4	S-1794	ISOLATOR ASSY		1		
6 ▶	21247	LEVER		1	STRAIGHT 18.67"	
7 ▶	21235	STUB LEVER		1	LOW TOWER	K-2428,S-1677
7 ▶	21236	STUB LEVER		1	HIGH TOWER	K-2429,S-1579,S-2130
7 ▶	4301168	STUB LEVER		1	MID TOWER	K-2978
9 ▶	21767	90 DEG LEVER		1	STRAIGHT 33"	
10	K-3399	ISOLATOR BUSHING KIT	21244 ,23311	(1)		
11	X-8-560	SCREW		(1)		K-2003
12	X-9-503	NUT		(1)		K-2003

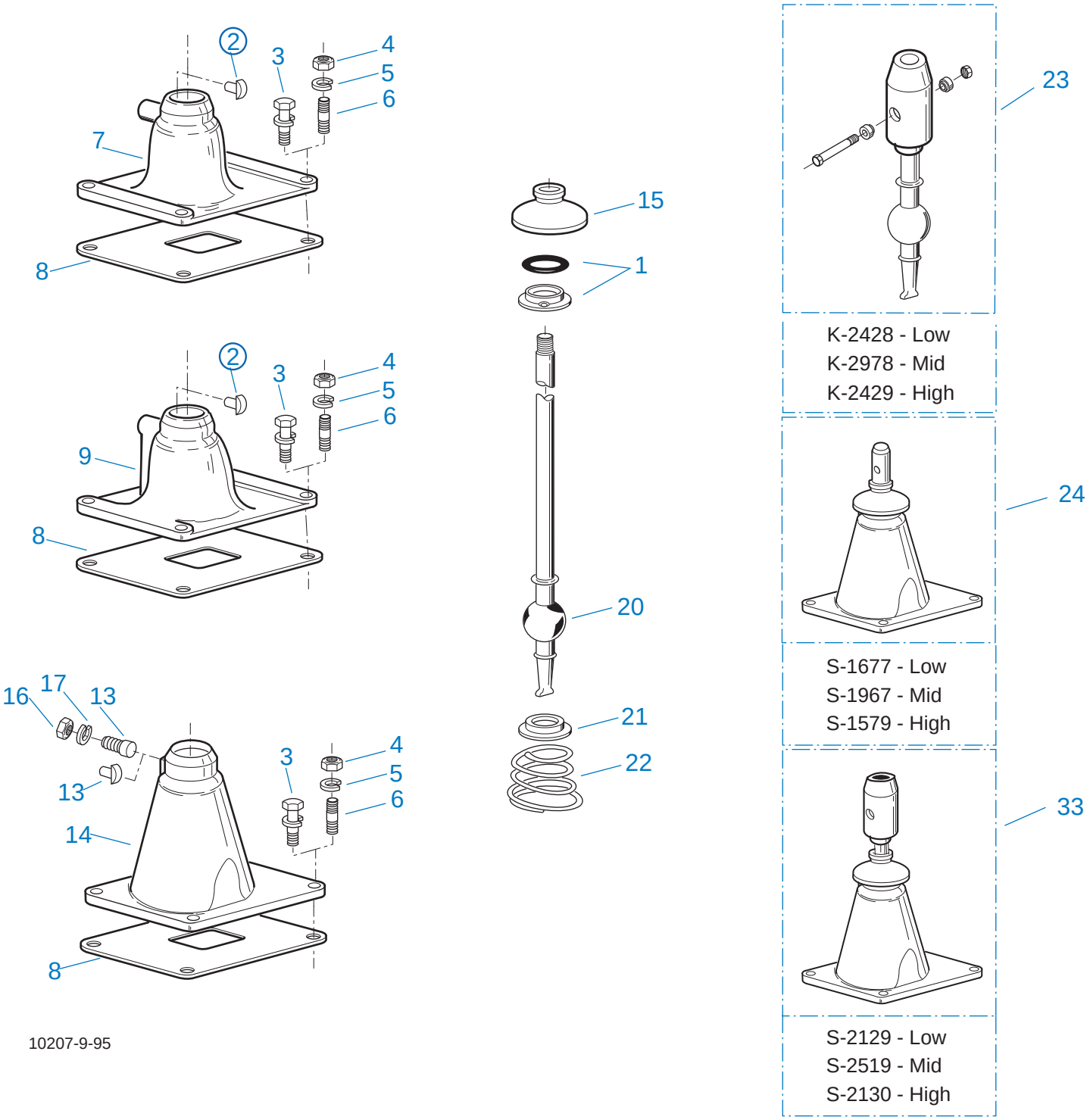
KITS & ASSEMBLIES

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
	K-1476	SHIFT LEVER HSG	4530 ,17163 ,18298 ,4304905 ,A - 4437	1	LOW TOWER	
	K-1698	-O- RING/ELEMENT KIT		1	FOR FILTER REGULATOR	
	K-1935	REPAIR KIT-SLAVE VALVE		1	FOR A-5000 VALVE	
	K-1956	COOLER INSTLN KIT		1		
	K-1969	SLEEVE KIT	14362 19460 ,21446	1	FOR SLAVE VALVES	K-3751
	K-2003	PIN & BUSHING KIT		1		
	K-2262	OIL SEAL W/SLINGER	19109 ,20807 ,20808	1	"FOR MECHANICAL COVER"	
	K-2394	AIR SYSTEMS TOOL KIT		1		
	K-2428	LEVER REPLACEMENT KIT		1	LOW TOWER	
	K-2429	LEVER REPLACEMENT KIT		1	HIGH TOWER	
	K-2468	CLUTCH INSTALLATION KIT		1	FOR USE WITH S-1659 INPUT SHAFT ASSY AND 81504 INPUT SHAFT BEARING	
	K-2805	SHIM KIT	21452 K - 2106	1		K-3339,K-3340,K-3751,K-3913,S-2763,S-3135
	K-2918	OIL SEAL KIT	4302322 4302323	1	"FOR MAGNETIC COVER"	K-3339,K-3340,K-3751,K-3913
	K-2947	COUNTERSHAFT REPL KIT	4302652	1		
	K-2973	SHIFT LEVER HSG KIT	17166 ,17167 ,4303050 ,4304910 ,K - 1630 K - 1941	1	HIGH TOWER	
	K-2977	SHIFT LEVER HSG KIT	4301167 ,4304907 ,A - 6040	1	MID TOWER	
	K-2978	LEVER REPLACEMENT KIT		1	MID TOWER	
	K-3104	ACTUATOR PIN KIT	4303287	1		K-3751
	K-3191	MASTER VALVE REPAIR KIT		1	FOR A-6918 VALVE	
	K-3198	T-2 VALVE KIT	691300 ,691359	1		
	K-3247	TOP 2 RETROFIT KIT		1	FOR USE WITH CATERPILLAR ENGINE	
	K-3280	TOP 2 RETROFIT KIT		1	FOR USE WITH CUMMINS ENGINE	

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
	K-3288	GASKET KIT		1		K-3339,K-3340,K-3751
	K-3327	SMALL PARTS KIT		1		
	K-3331	SPLITTER VLV REPL KIT	4300927 ,4304031 ,4304032 ,A - 6862	1		
	K-3339	BASIC OVERHAUL KIT		1		
	K-3340	BASIC REBUILD KIT		1		
	K-3341	O-RING KIT		1		K-3339,K-3340,K-3751,K-3913
	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
	K-3399	ISOLATOR BUSHING KIT	21244 ,23311	1		
	K-3441	OIL FILTER/ADAPTER KIT		1		
	K-3467	PIN REPLACEMENT KIT	21245	1		
	K-3492	SYNCHRONIZER KIT	K - 2446	1		
	K-3497	SYNCHRONIZER REPLACEMENT KIT	K - 3200	1	SLIDING CLUTCH INCLUDED IN KIT	K-3913
	K-3751	MASTER REBUILDER KIT		1	USE TO REBUILD RTLO-20918B W/NON-SELECTIVE WASHERS AND FORCED LUBE ONLY	
	K-3913	RANGE SECTION REPAIR KIT		1		
	K-4125	CLUTCH INSTALLATION KIT (RT), HYDRAULIC RELEASE		1	STANDARD RT INPUT SHAFT AND YOKE FOR HYDRAULIC CLUTCH RELEASE	
	S-1404	OIL FILTER	17238	1		
	S-1516	CAP ASSY	20851 ,20853	1		
	S-1659	INPUT SHAFT	23566	1	2" PULL - USE W/FBC 20550	K-2468,K-3339,K-3751,K-4125
	S-1660	INPUT SHAFT	23567	1	2" PUSH - USE W/FBC 20549	
	S-1794	ISOLATOR ASSY		1		
	S-2129	SHIFT LEVER HSG ASSY		1	LOW TOWER	
	S-2130	SHIFT LEVER HSG ASSY	S - 2053	1	HIGH TOWER	
	S-2269	SHIFT BAR HSG	4302679	1	HOUSING ONLY (RTLOF)	
	S-2270	SHIFT BAR HSG	4302675	1	HOUSING ONLY (RTLO)	
	S-2271	SHIFT BAR HSG ASSY	4302679	1	COMPLETE (RTLOF) FOR UNITS BUILT PRIOR TO THE FORCED	

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
					LUBRICATION SYSTEM DESIGN	
	S-2272	SHIFT BAR HSG ASSY	4302675	1	COMPLETE (RTLO) FOR UNITS BUILT PRIOR TO THE FORCED LUBRICATION SYSTEM DESIGN	
	S-2501	SPEEDO ROTOR ASSY	4302242	1	MAGNETIC	
	S-2502	REAR BRG COVER ASSY	4303604 ,4305827	1	MECHANICAL - 4:00 OPENING	
	S-2503	SPEEDO SPACER ASSY	4302590	1		
	S-2519	SHIFT LEVER HSG ASSY	S - 2919	1	MID TOWER	
	S-2588	ROADRANGER VALVE ASSY		1		
	S-2763	RANGE SECTION ASSY		1		
	S-2763R	REMAN RANGE SECTION ASSY		1		
	S-2809	REAR BEARING COVER ASSY	4302332 ,4303872 ,4304652 ,4305830	1	PUSH-IN/THREAD-IN MAGNETIC PICK-UP	
	S-2859	REAR BRG COVER ASSY	4302732 ,4305826	1	MECHANICAL - 6:00 OPENING	
	S-2910	SHIFT BAR HSG ASSY	4302675	1	COMPLETE (RTLO) FOR UNITS BUILT WITH THE FORCED LUBRICATION SYSTEM DESIGN	
	S-2911	SHIFT BAR HSG ASSY	4302679	1	COMPLETE (RTLOF) FOR UNITS BUILT WITH THE FORCED LUBRICATION SYSTEM DESIGN	
	S-3001	CASE ASSEMBLY	4305390 ,4305810 ,S - 2891	1	USE FOR UNITS BUILT WITH THE FORCED LUBRICATION SYSTEM DESIGN	
	S-3018	CASE ASSEMBLY	4304498 ,4305810 ,S - 2735	1	USE FOR UNITS BUILT PRIOR TO THE FORCED LUBRICATION SYSTEM DESIGN	
	S-3039	COUNTERSHAFT ASSEMBLY, RIGHT		1	COMPLETE COUNTERSHAFT ASSEMBLY, RIGHT	
	S-3040	COUNTERSHAFT ASSEMBLY, LEFT		1	COMPLETE COUNTERSHAFT ASSEMBLY, LEFT	
	S-3052	COMPLETE MAINSHAFT ASSEMBLY		1	COMPLETE MAINSHAFT ASSEMBLY	
	S-3108	MAINSHAFT ASSY	4303403,S-2560	1		
	S-3135	RANGE SECTION ASSY, NON-RATCHET		1	FOR NON-RATCHET DESIGN UNITS	

Group: LEVERS/HOUSINGS



10207-9-95

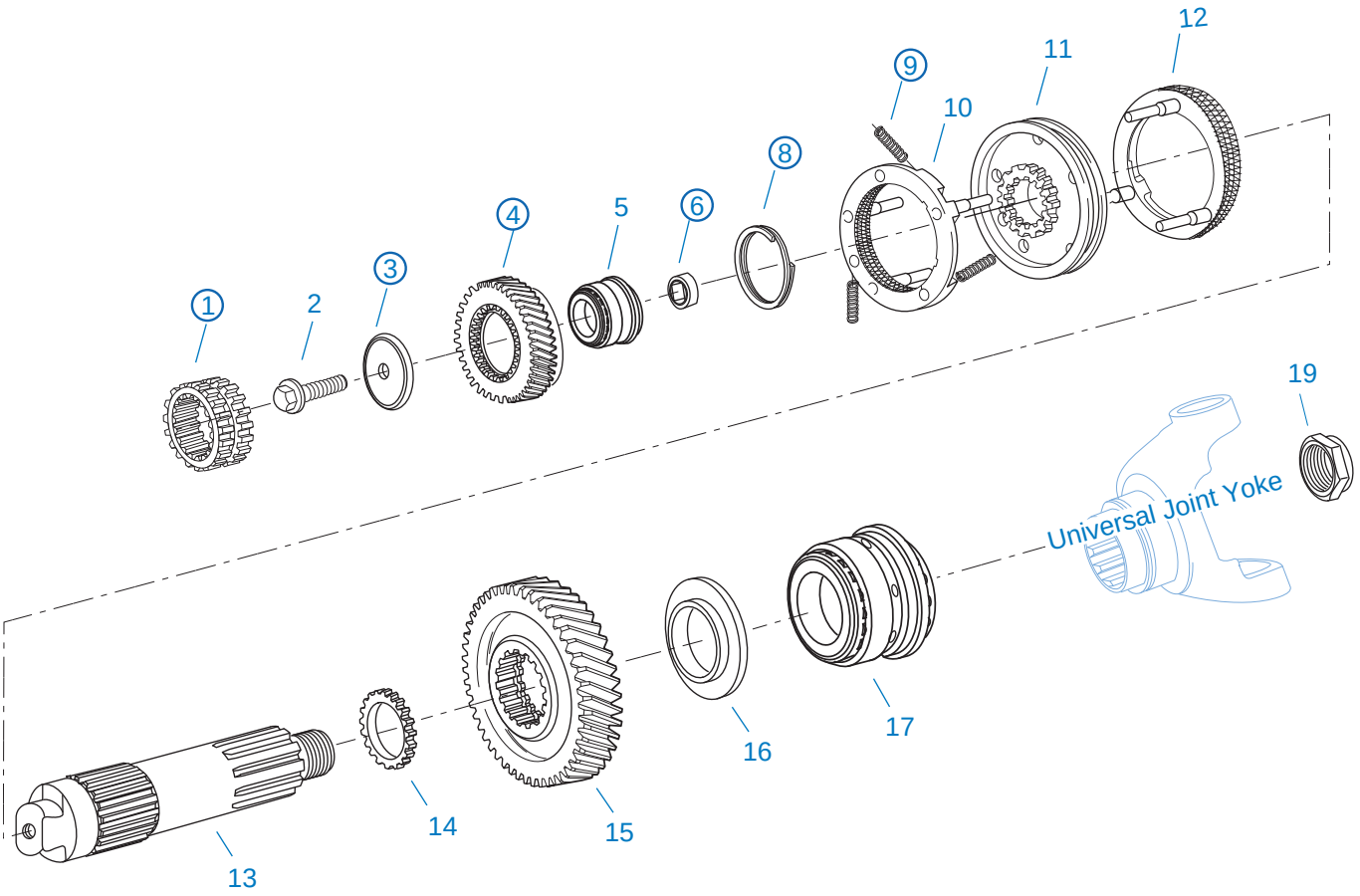
LEVERS/HOUSINGS

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	K-3376	O-RING & WASHER KIT	4301211	1		
2 ▶	18299	PIN		1		K-1476,K-2977,S-1677

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
3	X-8C-604	CAPSCREW		4	3/8"-16X1-1/4"	K-3956,K-3959,K-3967,K-3968,K-3972,S-2269,S-2270,S-2271,S-2272,S-2910,S-2911
4	X-1-600	NUT		4	3/8"-24-N.F.PLAIN	
5	X-3-600	LOCKWASHER		4	3/8"	
6 ▶	11934	STUD	7467	4		
7	K-1476	SHIFT LEVER HSG	4530 ,17163 ,18298 ,4304905 ,A - 4437	1	LOW TOWER	
8 ▶	4305294	GASKET	4303431	1		K-1476,K-2428,K-2429,K-2973,K-2977,K-2978,K-3288,S-1579,S-1677,S-1967,S-2129,S-2130,S-2271,S-2272,S-2519,S-2910,S-2911
9	K-2977	SHIFT LEVER HSG KIT	4301167 ,4304907 ,A - 6040	1	MID TOWER	
13 ▶	4303030	PIN		1		K-2973,S-1579,S-2130
13	6541	PIN		1	3/8" - USED W/17167 ONLY	
14	K-2973	SHIFT LEVER HSG KIT	17166 ,17167 ,4303050 ,4304910 ,K - 1630 K - 1941	1	HIGH TOWER	
15 ▶	10427	BOOT		1		K-1476,K-2973,K-2977,S-1579,S-1677,S-2130
16	X-1-600	NUT		1	3/8"-24-N.F.PLAIN	
17	X-3-600	LOCKWASHER		1	3/8"	
20 ▶	17600	GEAR SHIFT LEVER		1	STRAIGHT - LOW 21-1/2"	
20 ▶	18482	GEAR SHIFT LEVER		1	STRAIGHT - HIGH 35"	
21	2538	RETAINER		1		K-1476,K-2973,K-2977,S-1579,S-1677,S-2130
22	2536	SPRING		1		K-1476,K-2973,K-2977,S-1579,S-1677,S-2130
23	K-2428	LEVER REPLACEMENT KIT		1	LOW TOWER	
23	K-2429	LEVER REPLACEMENT KIT		1	HIGH TOWER	
23	K-2978	LEVER REPLACEMENT		1	MID TOWER	

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
		KIT				
24	S-1579	SHIFT TOWER ASSY		1	HIGH TOWER	
24	S-1677	SHIFT TOWER ASSY		1	LOW TOWER	
24	S-1967	SHIFT TOWER ASSY		1	MID TOWER	
33	S-2129	SHIFT LEVER HSG ASSY		1	LOW TOWER	
33	S-2130	SHIFT LEVER HSG ASSY	S - 2053	1	HIGH TOWER	
33	S-2519	SHIFT LEVER HSG ASSY	S - 2919	1	MID TOWER	

Group: MAINSHAFT & SYNCHRO(AUX)



10438A-08-01

MAINSHAFT & SYNCHRO(AUX)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1 ▶	4300907	SLIDING CLUTCH		1		
2	X-7-1007	SCREW		1	5/8"-18X1-3/4"	
3 ▶	4301843	RETAINER		1		
4 ▶	4304086	SPLITTER GEAR		1		
5	4300902-BOX	TAPERED ROLLER BRG	4300902	1		K-3339,K-3340,K-3751,K-3913
6 ▶	4301844	BEARING SLEEVE		1		K-3751,K-3913
8 ▶	4303424	SNAP RING		1		K-3339,K-3340,K-3751,K-3913
9 ▶	14897	SPRING		3		K-3327,K-3339,K-3340,K-3492,K-3497,K-3751
10	A-7331	SYNCHRONIZER ASSY	4304396 4304397 A - 5917	(1)	HI RANGE	K-3492,K-3497,K-3751

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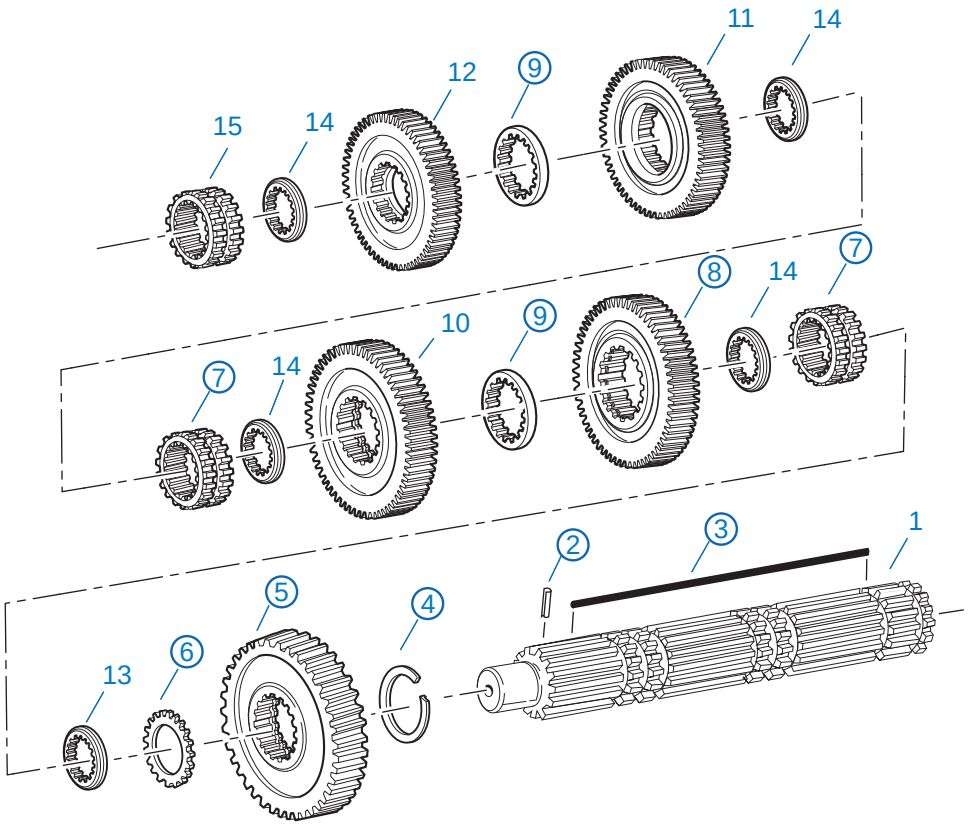
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
11 ▶	4301840	SLIDING CLUTCH	4303386	1		K-3497,K-3751
12	A-7254	SYNCHRONIZER ASSEMBLY	A - 4937 A - 5876	1	LO RANGE	K-3492,K-3497,K-3751
13	4303705	MAINSHAFT		1		
14 ▶	4301842	WASHER		1		K-3751
15 ▶	4301795	REDUCTION GEAR	4301794	1		
16 ▶	4300912	SPACER		1		K-3751
17	5556503-BOX	BEARING	5556503	1		K-3339,K-3340,K-3751,K-3913
19	K-4122	HEX FLANGE CRIMPED NUT KIT	4302321,4306520	1		K-3327,K-3751

Group: MAINSHAFT ASSY



10337B-10-96

MAINSHAFT ASSY

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
0	S-3052	COMPLETE MAINSHAFT ASSEMBLY		1	COMPLETE MAINSHAFT ASSEMBLY	
1	S-3108	MAINSHAFT ASSY	4303403,S-2560	1		
2 ▶	62504	ROLL PIN		1		S-3052,S-3108
3 ▶	4304615	3-SIDED KEY	4300120	1		K-3751,S-3052
4 ▶	14750	SNAP RING		1		K-2468,K-3327,K-3339,K-3340,K-3751,K-4125,S-3052
5 ▶	16756	REVERSE GEAR-MAINSHAFT		1		S-3052
6 ▶	4302047	SPACER		1		K-3327,K-3751,S-3052
7	16118	SLIDING CLUTCH		2		S-3052
8 ▶	4303409	LO GEAR-MAINSHAFT	4303407	1		S-3052
9 ▶	4303603	WASHER		2		K-3327,K-3751,S-3052

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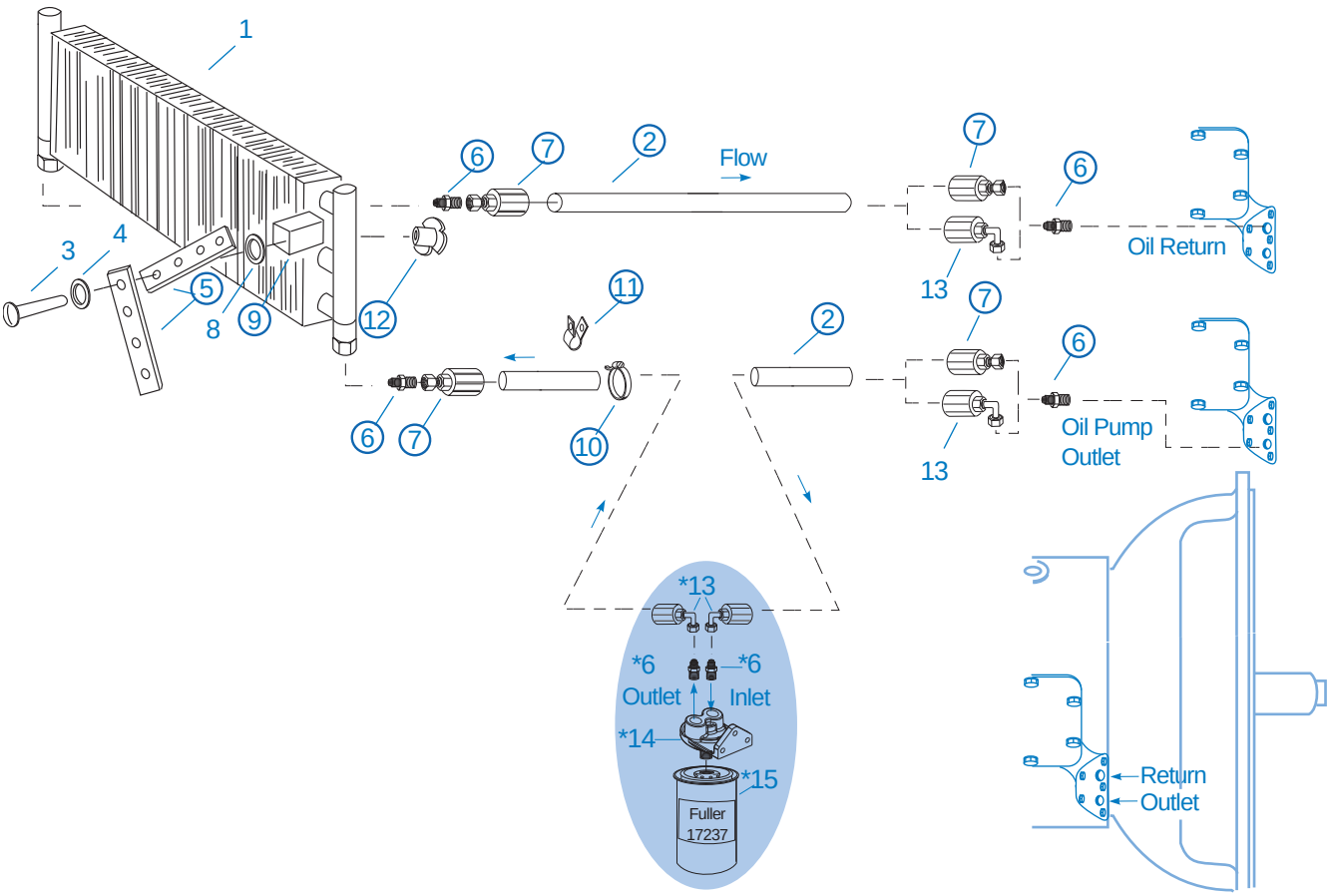
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
10 ▶	4303701	1ST GEAR-MAINSHAFT		1		S-3052
11 ▶	4304516	2ND GEAR-MAINSHAFT	4303699	1		S-3052
12 ▶	4304514	OD GEAR-MAINSHAFT	4302664 4303698 ,4304316	1		K-3751,S-3052
13 ▶	4300382	WASHER .249-WHITE		1		K-3327,K-3751,S-3052
14 ▶	4302398	WASHER		4		K-3327,K-3751,S-3052
15 ▶	4304317	SLIDING CLUTCH	22026	1		K-3339,S-3052

MISCELLANEOUS

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
▶	21628	SHIFT DIAGRAM LABEL	4300591	1	RTLO/F-20918B	
▶	4303613	SHIFT DIAGRAM LABEL		1	RTLO/F-20918B-T2	K-3247,K-3280
▶	71203	SILICONE LUBE		1	8 OZ (236.59 CC)-FLEET SIZE	
▶	71204	ADHESIVE SEALANT		1	0.5 CC (SINGLE APPLICATION SIZE)	K-3198,K-3247,K-3280
▶	71205	SEALANT		1	2 CC (SINGLE APPLICATION SIZE)	K-3339,K-3751
▶	71206	SILICONE LUBE		1	4 CC (SINGLE APPLICATION SIZE)	K-2428,K-2429,K-2978,K-3331,K-3341,K-3751

Group: OIL COOLER



10525-4/92 Cooler

*Adding Oil Filter and parts as shown is optional.

Return / Outlet Location

OIL COOLER

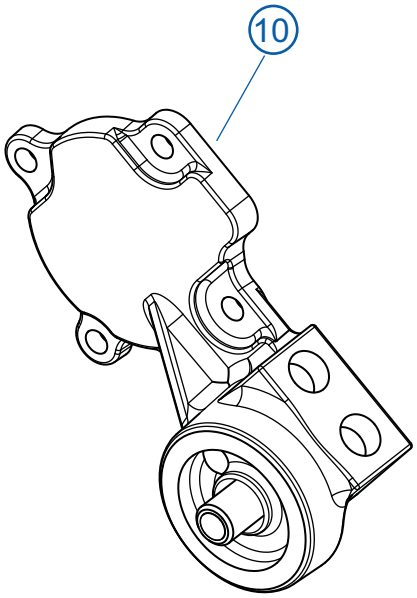
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1 ▶	18025	OIL COOLER		1		K-1956
2 ▶	19424	HOSE		1	25 FEET	K-1956
3	X-8-535	CAPSCREW		2	5/16"-16X2-1/2"	
4	X-3-506	LOCKWASHER		2	5/16"	
5 ▶	18211	BRACKET		4		K-1956
6 ▶	19419	CONNECTOR		6		K-1956,K-3441,K-3547,S-1404
7 ▶	19415	SWIVEL		4		K-1956
8	X-10-501	WASHER		2	5/16"	
9 ▶	18209	PLUG-RUBBER MOUNT		2		K-1956
10 ▶	17190	STRAP		8		K-1956
11 ▶	19423	CLAMP		5		K-1956
12 ▶	18210	NUT		2		K-1956

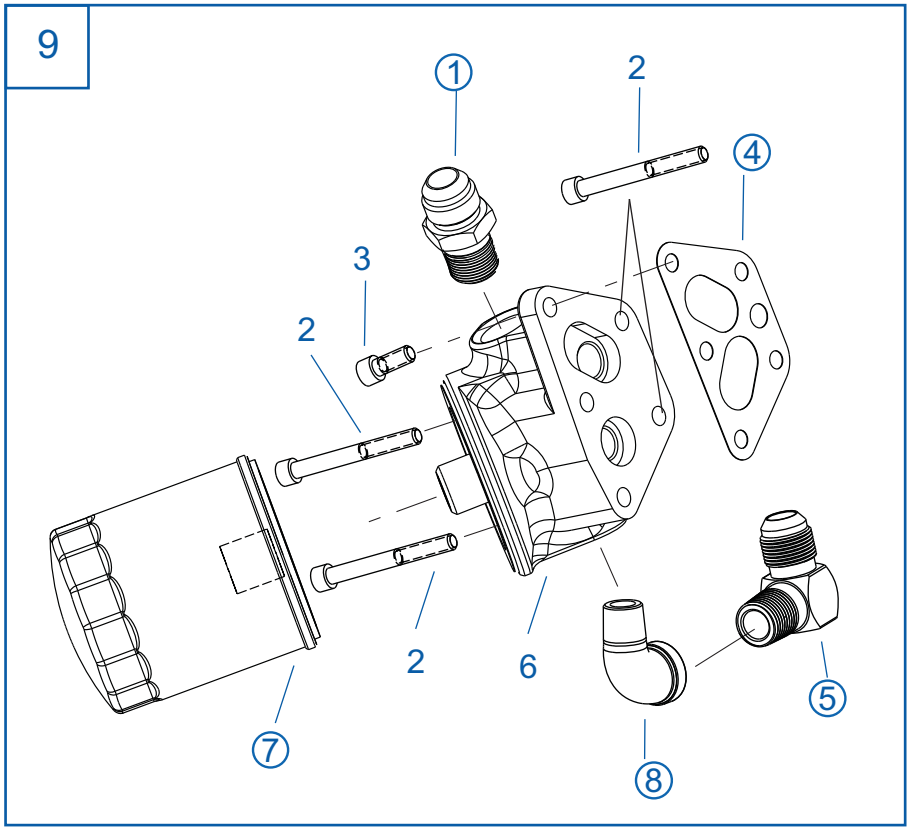
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
13 ▶	19422	ELBOW		4		K-1956
14	S-1404	OIL FILTER	17238	1		
15 ▶	17237	FILTER ELEMENT		1		S-1404

Group: OIL FILTER

11 Oil Filter Cover Kit (not pictured)

◯ - Contained in Item #11



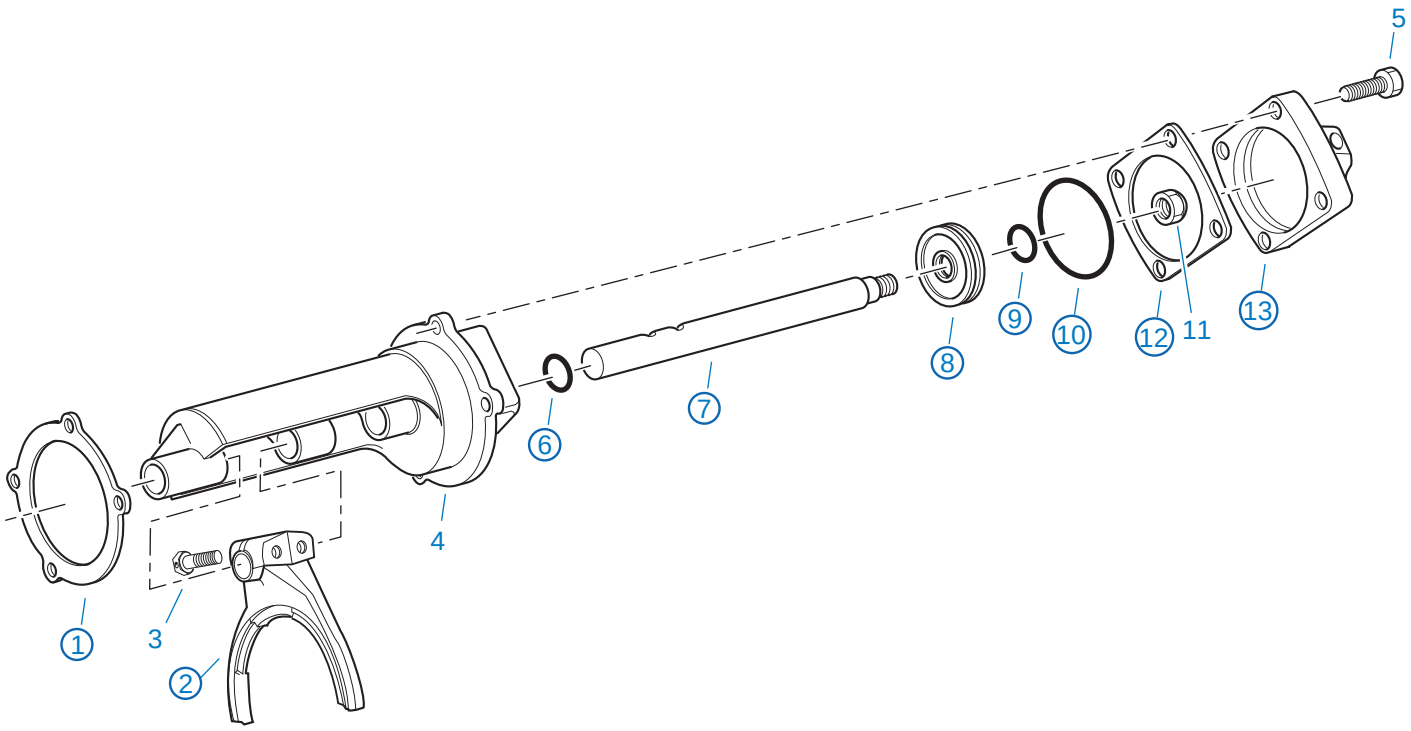


10539-3-00

OIL FILTER

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1 ▶	19419	CONNECTOR		1		K-1956,K-3441,K-3547,S-1404
2	X-8-453	SCREW		4		K-3441
3	X-8-452	SCREW		1		K-3441
4 ▶	4304820	GASKET		1		K-3441
5 ▶	4301123	ELBOW		1		K-3441
6	K-3441	OIL FILTER/ADAPTER KIT	A - 7174	1		
7 ▶	4304827	OIL FILTER ELEMENT		1		K-3441,K-3547
8 ▶	17007	ELBOW		1		K-3441
9	K-3441	OIL FILTER/ADAPTER KIT		(1)		
10	A-7300	AUX COUNTERSHAFT COVER ASSY		(1)		K-3547
11	K-3547	OIL FILTER COVER KIT		(1)	CONTAINS A-7300	

Group: RANGE CYLINDER

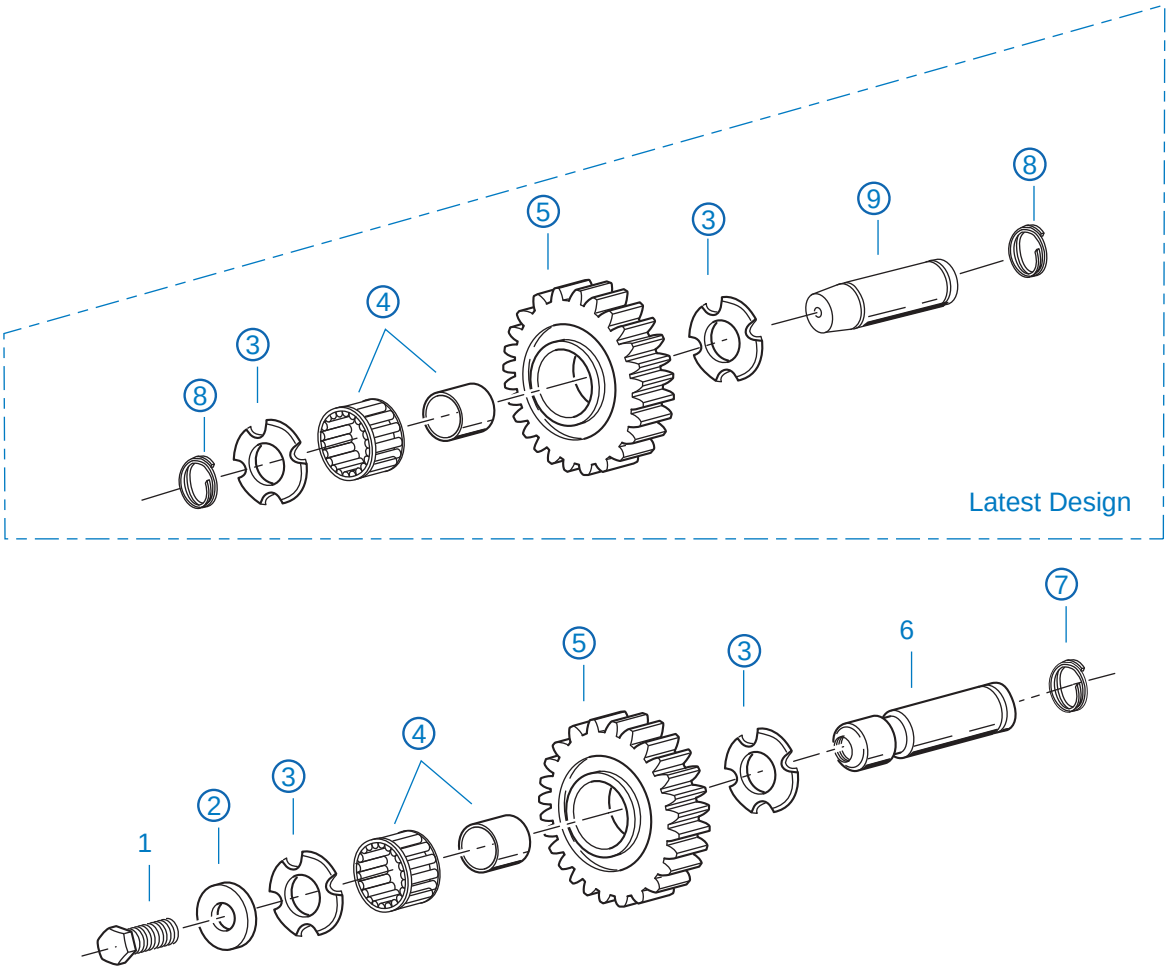


11462-5-98

RANGE CYLINDER

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1 ▶	14347	GASKET		1		K-3288,K-3341
2 ▶	22823	SHIFT YOKE	16775	1		
3	X-7-809	BOLT	X 7 810 ,X 7 811	2	1/2"-20X1-3/4"	
4	A-6690	RANGE CYLINDER ASSY	4303595	1		
5	X-8L-607	CAPSCREW	X 8 607	4	3/8"-16X2-1/4", 3/8"-16X2-1/4"	
6 ▶	14765	-O- RING		1		K-3341
7 ▶	4303596	YOKE BAR		1		
8 ▶	14341	PISTON	23353	1		
9 ▶	14345	-O- RING		1		K-3341
10 ▶	14344	-O- RING		1		K-3341
11	X-1-1010	NUT		1	5/8"-18	
12	22826	GASKET		1		K-3288,K-3341
13 ▶	4303926	COVER		1		

Group: REVERSE IDLER



11382-3-97 RI

REVERSE IDLER

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	X-7-1008	CAPSCREW		(2)	5/8"-18X1-1/4	
2 ▶	14283	WASHER		2		
3 ▶	4302982	WASHER	14282	4		K-3209
4 ▶	14287	BEARING	4305020	2		K-3339,K-3340,K-3751
5 ▶	16757	REVERSE IDLER GEAR	22409	2		
6	K-3209	IDLER SHAFT REPL KIT	16405 ,4302981 ,4305513	2		
7 ▶	4303336	RETAINING RING		2		K-3209,K-3751
8 ▶	4303336	RETAINING RING		4		K-3209,K-3751
9 ▶	4305513	IDLER SHAFT		2		K-3209

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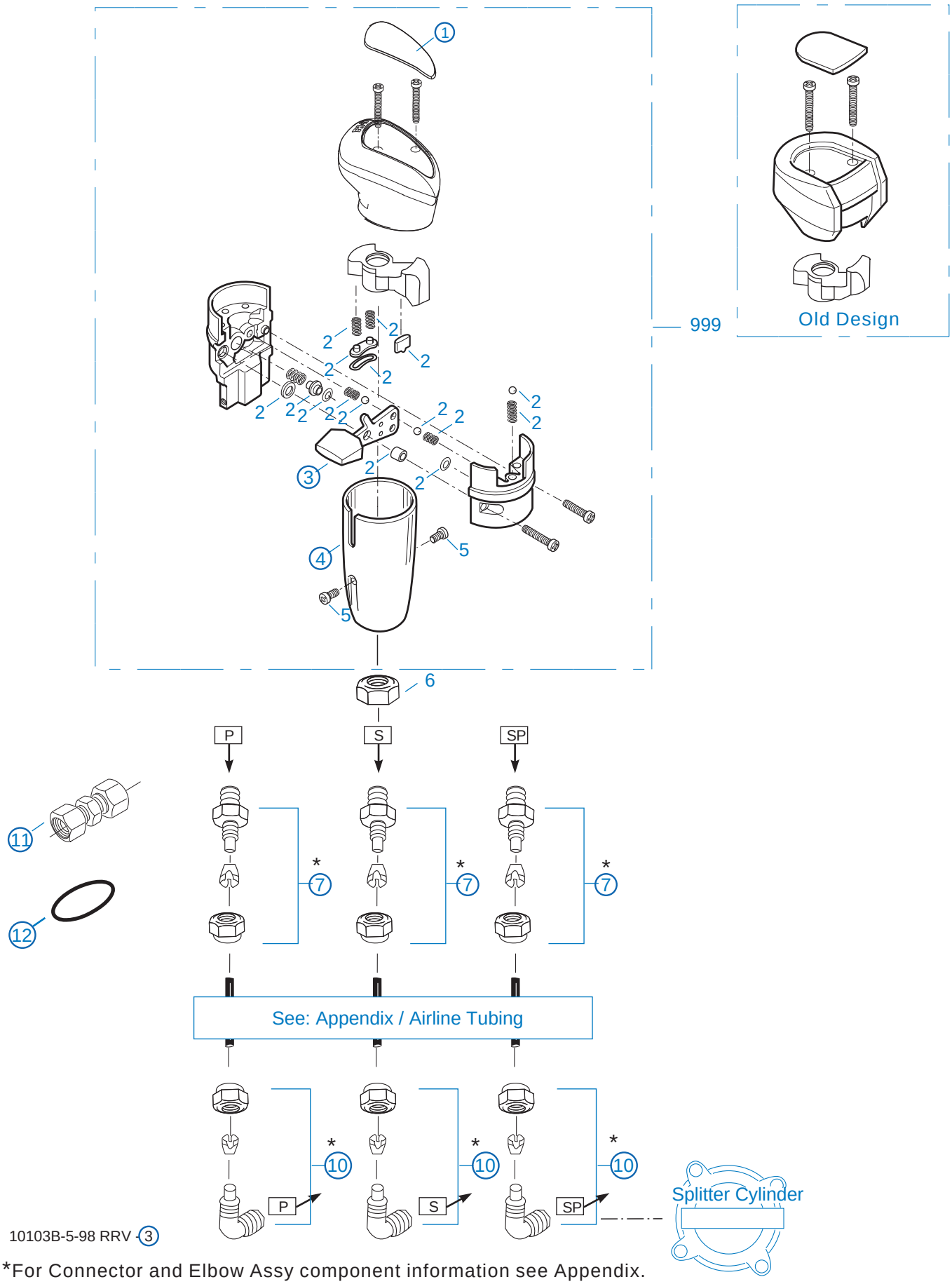
Group: ROADRANGER VALVE



10103B-5-98 RRV - 3

*For Connector and Elbow Assy component information see Appendix.

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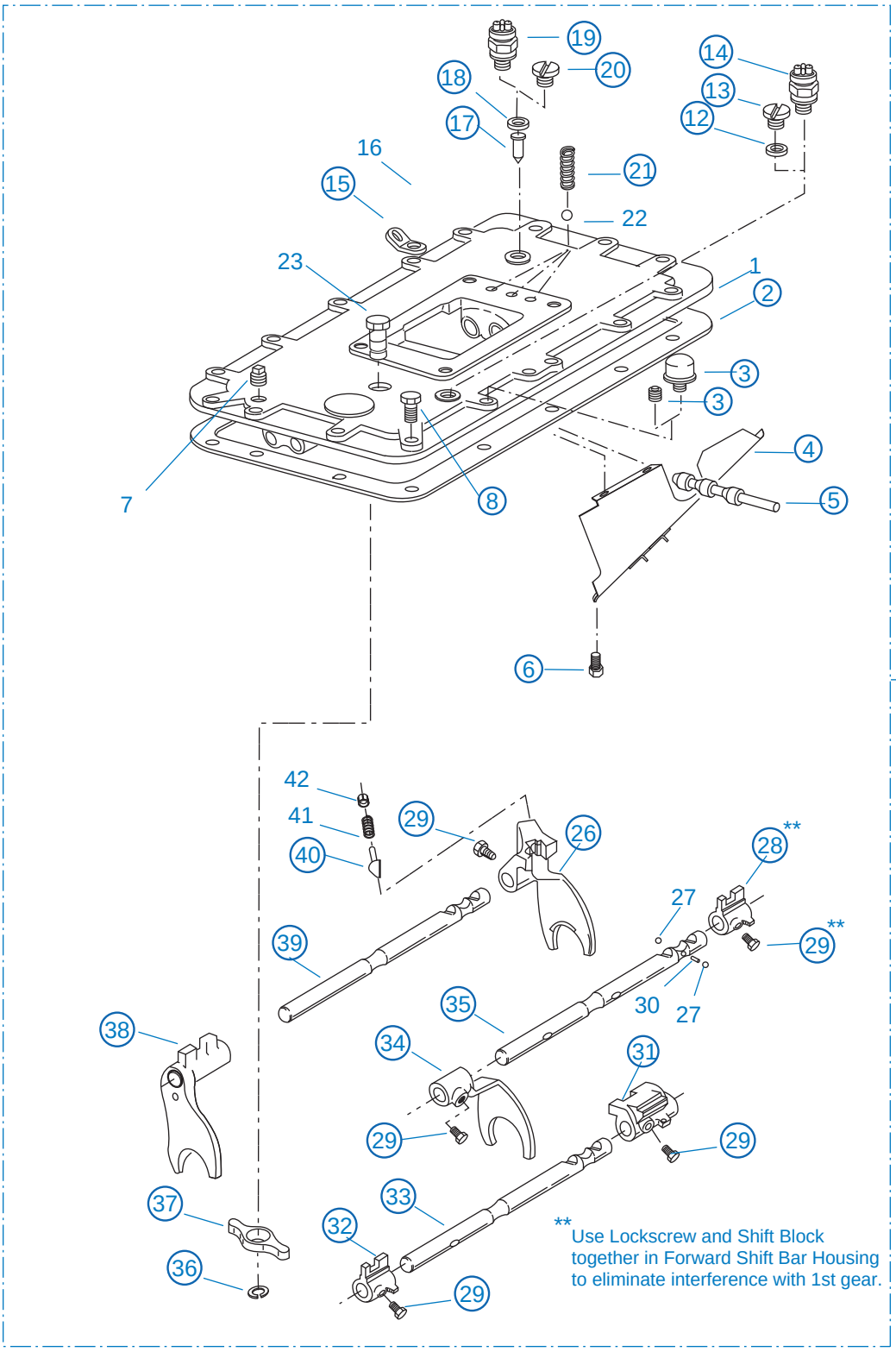
ROADRANGER VALVE

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1 ▶	5586100	MEDALLION, LOGO		1	(LATEST DESIGN) FULLER LOGO ONLY	A-6918
1 ▶	5586114	SHIFT DIAGRAM MEDALLION		1	RTLO-W/SHIFT PATTERN	S-2588
2	K-3191	MASTER VALVE REPAIR KIT		1	FOR A-6918 VALVE	
3 ▶	20495	LEVER		1		A-6918
4 ▶	20112	COVER		1		A-6918
5	X-8-213	SCREW	X 8 202	1	8-32X3/8"	
6	X-9-802	NUT		1	1/2"-13	
7 ▶	84001	CONNECTOR ASSY	82501	3	1/8"TUBE-1/16"NPTF	
7 ▶	84003	CONNECTOR ASSY	82503	3	5/32"TUBE-1/16"NPTF	
7 ▶	84005	CONNECTOR ASSY		3	"PUSH-TO-CONNECT" 5/32"TUBE-1/16"NPTF	S-2588
10 ▶	85001	ELBOW ASSY	84501	3	5/32"TUBE-1/8"NPTF	
10 ▶	85002	ELBOW ASSY	84502	3	1/8"TUBE-1/8"NPTF	K-3247,K-3280
10 ▶	85003	ELBOW ASSY		3	"PUSH-TO-CONNECT" 5/32"TUBE-1/8"NPTF	K-3198,K-3247,K-3280,K-3331,K-3339,K-3751
11 ▶	84101	UNION ASSY		1	1/8" TUBING	
11 ▶	84102	UNION ASSY		1	5/32" TUBING	
11 ▶	84103	UNION ASSY		1	"PUSH-TO-CONNECT" 5/32" TUBING	
12 ▶	13571	-O- RING CLAMP		2		
999	A-6918	ROADRANGER VALVE ASSY	A - 5013	(1)	STANDARD-W/LOGO	
999	S-2588	ROADRANGER VALVE ASSY		(1)	RTLO-W/SHIFT PATTERN	

Circled callout numbers jump to that part in the parts list.

Group: SHIFT BAR HOUSING



10252-2-94

SHIFT BAR HOUSING

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed

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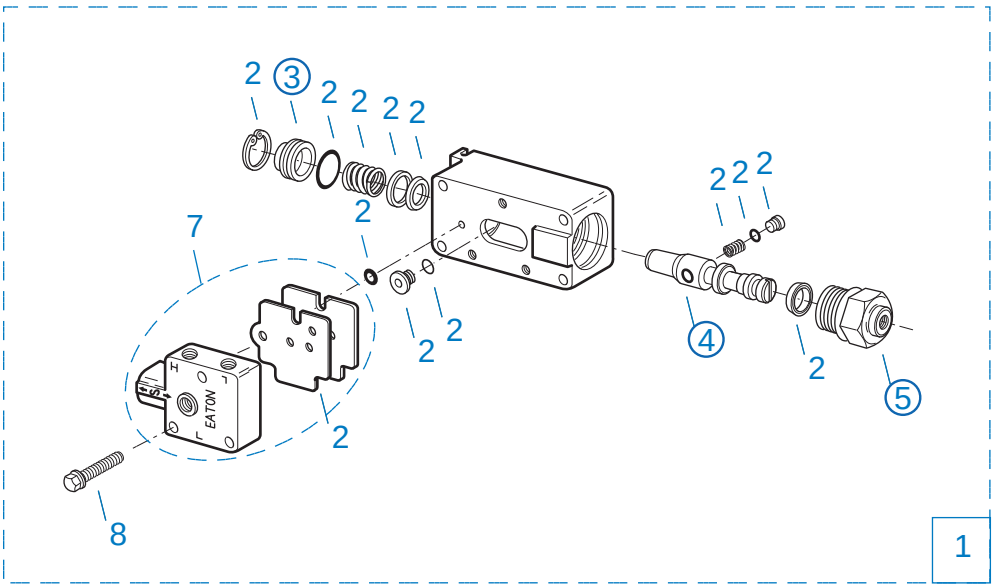
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-2269	SHIFT BAR HSG	4302679	1	HOUSING ONLY (RTLOF)	
2 ▶	4302676	GASKET	14918	1		K-3288,S-2269,S-2270,S-2271,S-2272,S-2910,S-2911
3 ▶	4304602	BREATHER	23605	1	1/4" NPT	K-3751
3	X-12-404	PIPE PLUG		1	1/4" NPT	
4 ▶	20070	OIL TROUGH		1	WILL CAUSE INTERFERENCE ON UNITS BUILT WITH THE FORCED LUBRICATION SYSTEM.	S-2271,S-2272
5 ▶	20332	AIR VALVE SHAFT	17177	1		S-2271,S-2272,S-2910,S-2911
6	X-8-423	CAPSCREW		2	NOT TO BE USED ON UNITS BUILT WITH THE FORCED LUBRICATION SYSTEM.	
7	X-12-603	PIPE PLUG	X12 602	1	3/8" NPT	
8	X-8L-609	CAPSCREW		1	3/8"-16X1-3/4"	
12 ▶	17179	GASKET		1		S-2269,S-2270,S-2271,S-2272,S-2910,S-2911
13 ▶	4303655	PLUG	17178	1		S-2269,S-2270,S-2271,S-2272,S-2910,S-2911
14 ▶	22941	NEUTRAL LIGHT SWITCH	12639	1	SWITCH NORMALLY CLOSED	
15 ▶	20815	LIFTING EYE	17105	2		S-2763,S-3135
16	X-8C-6109	CAPSCREW		2	3/8"-16X1-1/4" USE TO ATTACHED COOLER TO SHIFT BAR HOUSING	
16	X-8L-602	CAPSCREW		2	3/8"-16X1-1/2"	
16	X-8L-604	CAPSCREW		13	3/8"-16X1-1/4" OR USE 11 PCS OF X-8L-604 WITH 2 PCS OF X-8L-602	K-3547,S-3135
17 ▶	15899	PIN		1		S-2269,S-2270,S-2271,S-2272,S-2910,S-2911
18 ▶	15900	GASKET		1		S-2269,S-2270,S-2271,S-2272,S-2910,S-2911
19 ▶	22940	REVERSE LIGHT SWITCH	16830	1	SWITCH NORMALLY OPEN	
20 ▶	4303656	PLUG	15917	1		S-2269,S-2270,S-2271,S-2272,S-2910,S-2911
21 ▶	15918	SPRING		3		K-3327,K-3339,K-3751,S-2271,S-2272,S-2910,S-2911

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
22	X-14-800	STEEL BALL		3	1/2"	
23	K-3104	ACTUATOR PIN KIT	4303287	1		K-3751
26 ▶	16338	SHIFT YOKE		1	REVERSE/LO	S-2271,S-2911
27	X-14-1200	STEEL BALL		2	3/4"	
28 ▶	15770	SHIFT BLOCK		1	1ST/2ND	S-2271,S-2911
29 ▶	22943	LOCKSCREW		1	USE W/15770 SHIFT BLOCK	S-2271,S-2911
29	3220	LOCKSCREW		4		S-2271,S-2272,S-2910,S-2911
30	1634	INTERLOCK PIN		1		K-3327,S-2271,S-2272,S-2910,S-2911
31 ▶	19062	SHIFT BLOCK		1	3RD/OD	S-2271,S-2911
32 ▶	20120	SHIFT BLOCK	18924	1	3RD/OD	S-2271,S-2272,S-2910,S-2911
33 ▶	18931	YOKE BAR	4302759	1	3RD/OD	S-2271,S-2911
34 ▶	18922	SHIFT YOKE		1	1ST/2ND	S-2271,S-2272,S-2910,S-2911
35 ▶	18930	YOKE BAR		1	1ST/2ND	S-2271,S-2911
36	4302070	SNAP RING		1		K-3104,S-2271,S-2272,S-2910,S-2911
37 ▶	4303225	ACTUATOR		1		S-2271,S-2272,S-2910,S-2911
38 ▶	4305575	SHIFT YOKE	20450	1	3RD/OD	K-3751,S-2271,S-2272,S-2910,S-2911
39 ▶	18929	YOKE BAR		1	REVERSE/LO	S-2271,S-2911
40 ▶	10019	PLUNGER		1		S-2271,S-2272,S-2910,S-2911
41	6392	SPRING		1		K-3327,S-2271,S-2272,S-2910,S-2911
42	8968	PLUG		1		S-2271,S-2272,S-2910,S-2911
999	S-2271	SHIFT BAR HSG ASSY	4302679	1	COMPLETE (RTLOF) FOR UNITS BUILT PRIOR TO THE FORCED LUBRICATION SYSTEM DESIGN	
999	S-2911	SHIFT BAR HSG ASSY	4302679	1	COMPLETE (RTLOF) FOR UNITS BUILT WITH THE FORCED LUBRICATION SYSTEM DESIGN	

Group: SLAVE VALVE - A-5000

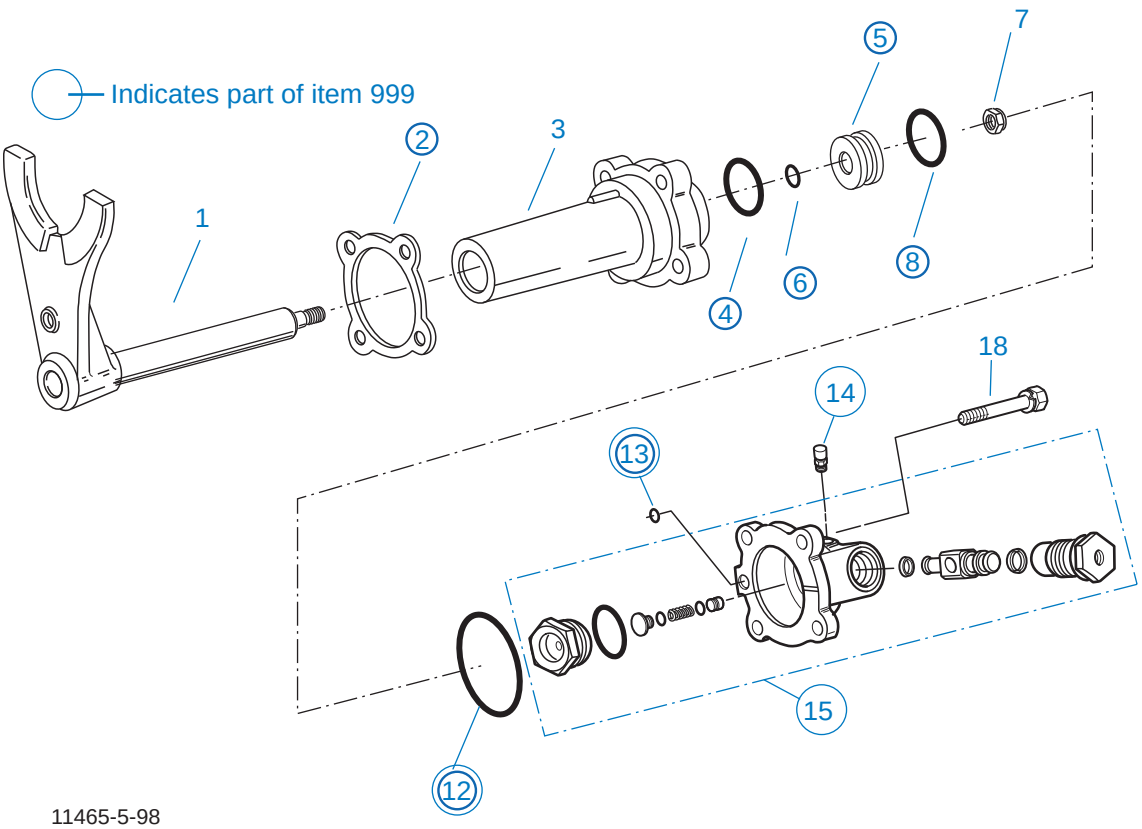


10120-10-97 A-5000 SV

SLAVE VALVE - A-5000

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	A-5000	SLAVE VALVE ASSY	20850	1		K-3751
2	K-1935	REPAIR KIT-SLAVE VALVE		1	FOR A-5000 VALVE	
3 ▶	20855	PLUG		1		A-5000
4 ▶	20854	PISTON		1		A-5000
5 ▶	20849	CAP	15131	1		A-5000
7	S-1516	CAP ASSY	20851 ,20853	1		
8	X-8C-413	CAPSCREW		③	1/4"-20X1-1/2"	

Group: SPLITTER CYLINDER



11465-5-98

SPLITTER CYLINDER

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	A-7012	SPLITTER YOKE ASSY	A - 6304 ,A - 6892	1		
2 ▶	4303583	GASKET		1		K-3288,K-3341
3	4303582	SPLITTER CYLINDER		1		
4 ▶	21208	-O- RING		1		K-3341
5	4301964	PISTON		1		
6 ▶	13653	-O- RING		1		K-3331,K-3341,K-3751
7	X-1-805	NUT		1		
8 ▶	21209	-O- RING		1		K-3341
12 ▶	5568534	-O- RING		1		K-3331,K-3341,K-3751
13 ▶	13653	-O- RING		1		K-3331,K-3341,K-3751
14	X2014210	BREATHER	7935	1		
15	K-3331	SPLITTER VLV REPL KIT	4300927 ,4304031 ,4304032 ,A - 6862	1		

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Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
18	X-8L-540	CAPSCREW		4	5/16"-18X1-7/8"	
999	K-3331	SPLITTER VLV REPL KIT	4300927 ,4304031 ,4304032 ,A - 6862	1		