ALL EATON FULLER TRANSMISSION MODELS IN STOCK

Eaton Fuller RTOF-16915 Transmission Parts Manual

This is Eaton Fuller RTOF-16915 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

RTOF-16915
July 2011

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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

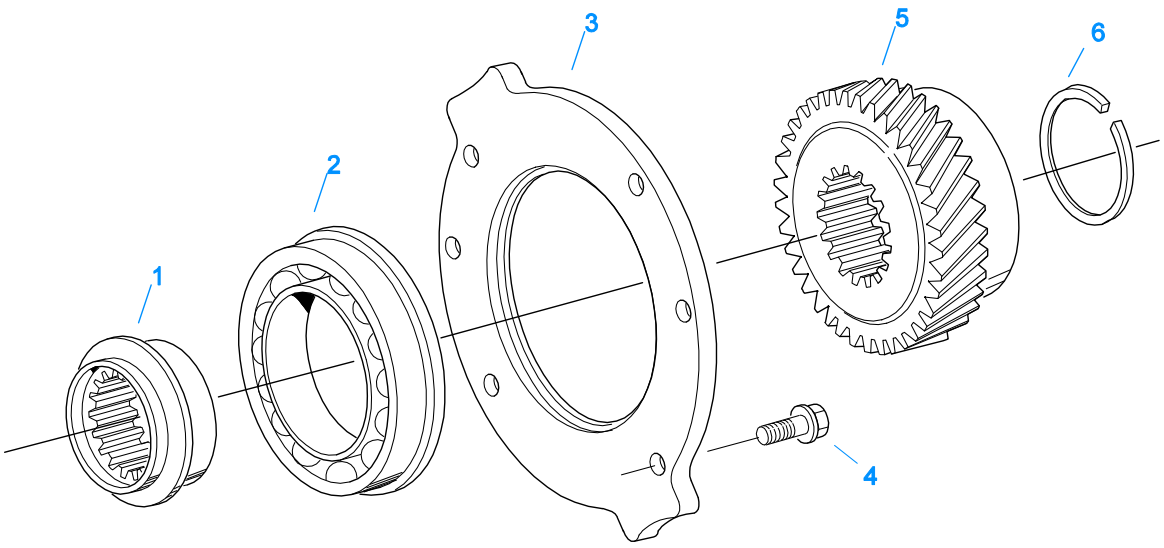
- Illustrations show parts in assembly groups.
- Item numbers on illustrations correspond with parts listings on pages adjacent to the illustration.
- Notes are included on illustrations where additional information is needed.

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**

Group: AUXILIARY DRIVE GEAR



10486-9-94 C2

AUXILIARY DRIVE GEAR

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1 ▶	4303673	SPACER	4302046	1		
2	5566508-BOX	BEARING	5566503,5566508	1		K-3233,K-3234
3 ▶	4300894	RETAINER		1		
4	X-8-645	CAPSCREW	X 8 612	6	3/8"-16X1"	
5 ▶	4303357	AUXILIARY DRIVE GEAR		1		
6 ▶	16763	SNAP RING		1		K-3233,K-3234,K-3259

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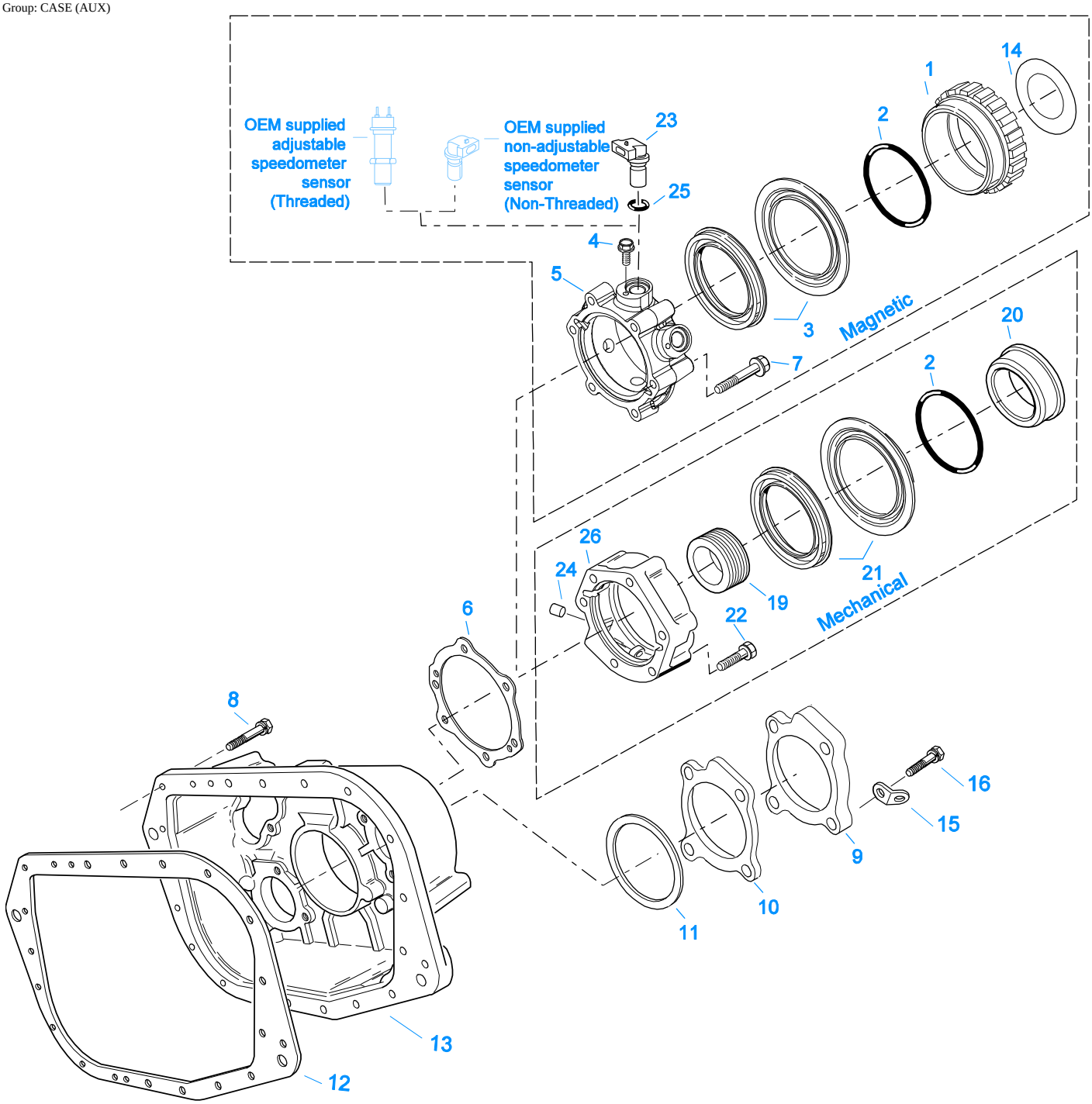
Group: CASE (AUX)



10419-2-97

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-2704,S-2809
3	K-2918	OIL SEAL KIT	4302322 4302323	1	"FOR MAGNETIC COVER"	K-3233,K-3234
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 -	K-2061,K-2262,K-2918,S-2502,S-2809,S-

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
					.051 - NOT INTERCHANGEABLE WITH ANY OTHER GASKET	2859
6	4302247	GASKET - PURPLE EDGE MOLDED		1	NON EDGE MOLDED GASKET - UNCOMPRESSED THICKNESS - .013 - .018 - NOT INTERCHANGABLE WITH ANY OTHER GASKET	K-2061,K-2262,K-2918
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-2704
10	4305978	GASKET	4302246	2		K-2061,S-2704
11	K-2805	SHIM KIT	21452 K - 2106	1		K-3233,K-3234,S-2704
12 ▶	14335	GASKET		1		K-2061,S-2704
13	4303353	REAR HOUSING	4303354	1		
14 ▶	4304653	SHIELD		1		S-2809
15 ▶	20815	LIFTING EYE	17105	2		S-2704
16	X-8L-604	CAPSCREW		8	3/8"-16X1-1/4"	
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)	
24	7992	BUSHING		1		S-2502,S-2859
25 ▶	14142	-O- RING		1		
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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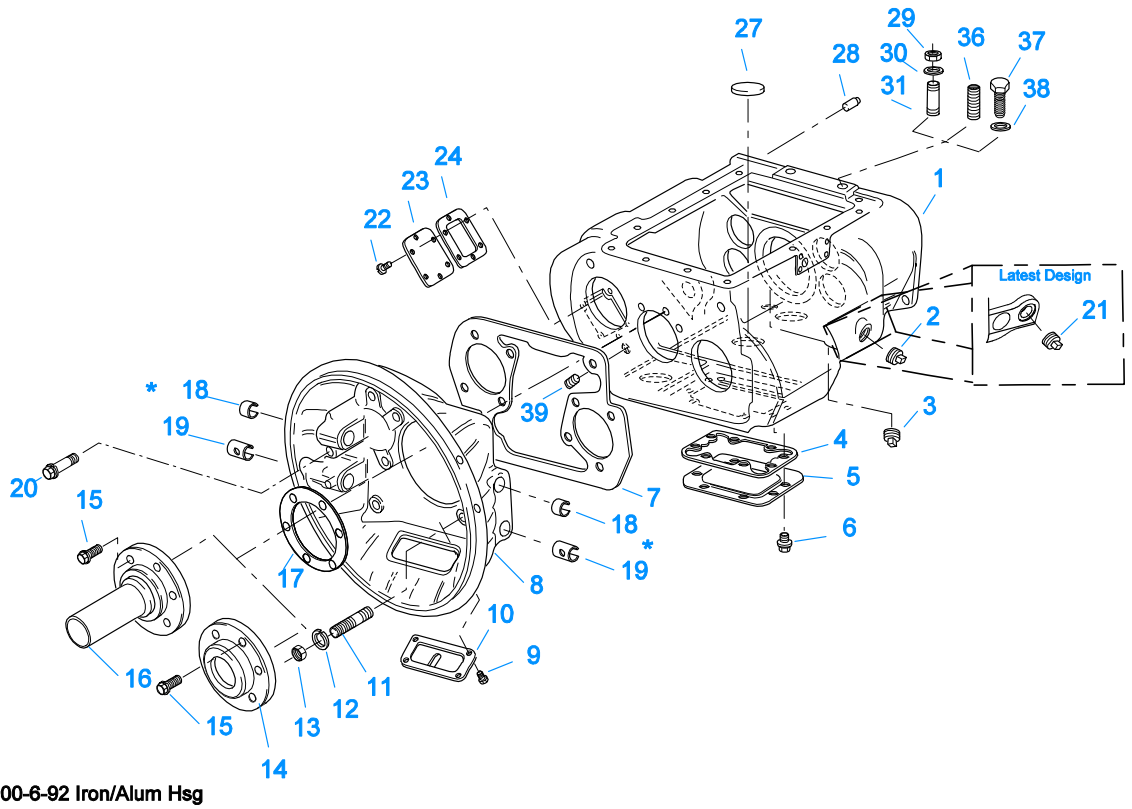
Group: CASE (FRONT)



10300-6-92 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-2496	CASE ASSY	4303355	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-2061
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-2061
8	A-3713	CLUTCH HOUSING ASSY	A - 3700	1	#1 PUSH-PULL IRON	
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-4125
15	X-8L-604	CAPSCREW		6	3/8"-16X1-1/4"	
16 ▶	20549	FRONT BEARING COVER		1	2" PUSH	
17 ▶	14311	GASKET		1		K-2061
18 ▶	12815	BUSHING		4	FOR #1 HOUSING UPPER	A-3713,A-5992,K-2468
18 ▶	12815	BUSHING		2	FOR #2 HOUSING UPPER	A-3713,A-5992,K-2468
18	8677	BUSHING		1	FOR #2 HOUSING UPPER	A-3713
19	8677	BUSHING		2	FOR #1 AND #2 HOUSING LOWER	A-3713
20	X-8C-830	HEX HEAD	X-8C-826	4	.500-13 X 1.490, USE 2 PCS FOR IRON	

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
		SCREW/WASHER ASSY			HOUSING, USE 4 PCS FOR ALUMINUM HOUSING	
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	S-2496
22	X-8-686	CAPSCREW		6	3/8"-16X3/4"	
23 ▶	14575	PTO COVER	4302254	1		
24 ▶	4305309	GASKET	1684	1		K-2061
27 ▶	14373	MAGNET		3		S-2496
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		
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"	

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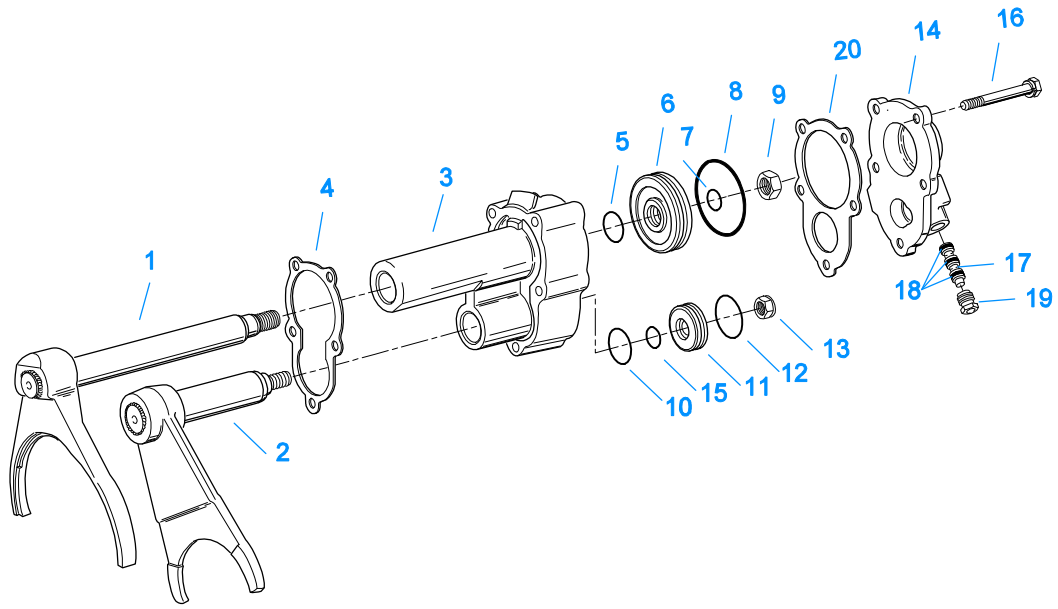
Group: COMBINATION CYLINDER

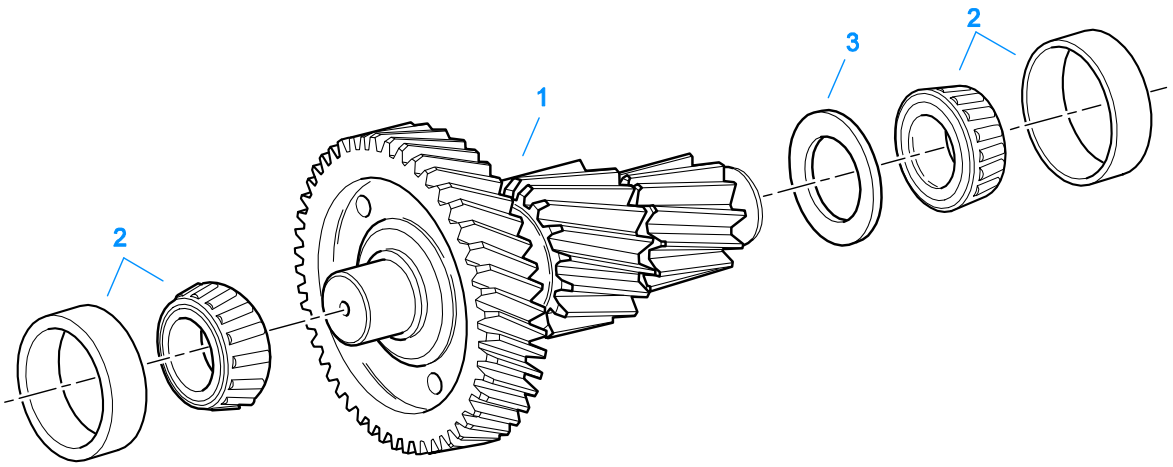


10475-4-92 CMB CYL

COMBINATION CYLINDER

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	A-5159	YOKE ASSY	21333	1	RANGE	
2	A-5160	YOKE ASSY	21335	1	REDUCTION	
3 ▶	21330	CYLINDER		1		
4 ▶	21332	GASKET		1		K-2054,K-2061
5 ▶	14765	-O- RING		1		K-2054
6 ▶	14341	PISTON	23353	1		
7 ▶	14345	-O- RING		1		K-2054
8 ▶	14344	-O- RING		1		K-2054
9	X-1-1010	NUT		1	5/8"-18	
10 ▶	14644	-O- RING		1		K-2054
11	K-2427	PISTON KIT	21337 ,4301320	1		
12 ▶	20423	-O- RING		1		K-2054
13	X-1-803	NUT		1	1/2"-20	
14 ▶	21329	CYLINDER COVER		1		
15 ▶	4301348	-O- RING		1		K-2054,K-2427
16	X-8L-631	CAPSCREW	X 8 631	5	3/8"-16X3-1/2"	
17 ▶	19974	INSERT VALVE	15512 4303616	1		K-3233,K-3234
18 ▶	13653	-O- RING		3		K-1457
19 ▶	15719	PLUG		1		
20 ▶	21331	GASKET		1		K-2054,K-2061,K-2427

Group: COUNTERSHAFT & BRGS(AUX)



10445-12-93 AUXCS

COUNTERSHAFT & BRGS(AUX)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	A-6848	WELDED COUNTERSHAFT ASSY	A - 5836	2	D/G 4303938 - C/S 4303882	
2	4302074-BOX	BEARING	21343,4302074	4		K-3233,K-3234
3 ▶	21342	SPACER		2		

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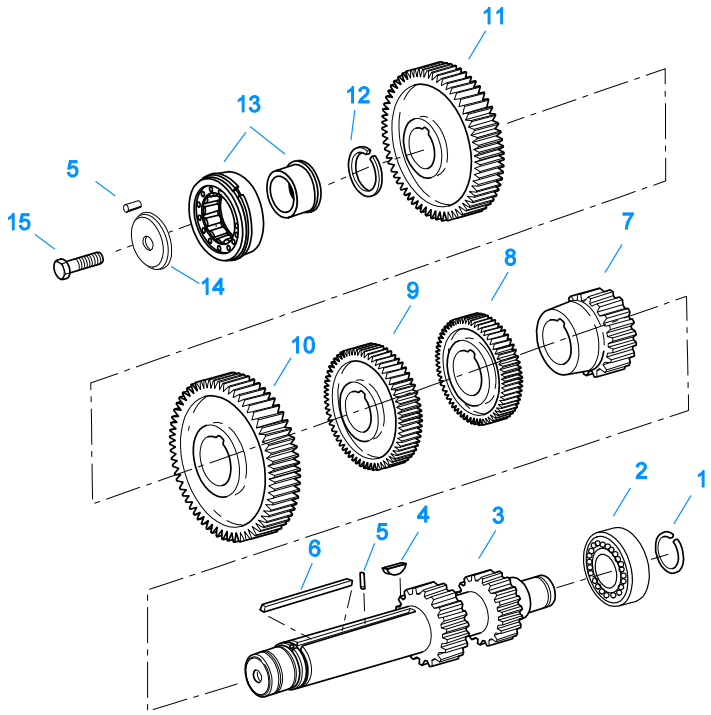
Group: COUNTERSHAFT ASSY

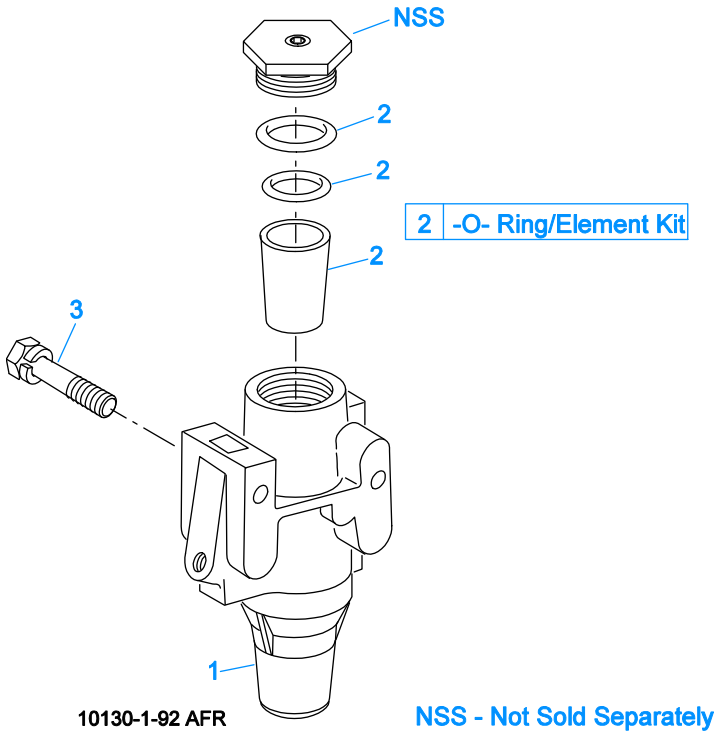


10341-1/92 CS/RT

COUNTERSHAFT ASSY

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
0	S-3047	COUNTERSHAFT ASSEMBLY, RIGHT		(1)	COMPLETE COUNTERSHAFT ASSEMBLY, RIGHT	
0	S-3048	COUNTERSHAFT ASSEMBLY, LEFT		(1)	COMPLETE COUNTERSHAFT ASSEMBLY, LEFT	
1 ▶	14317	SNAP RING		2		K-3233,K-3234,K-3259,S-3047,S-3048
2 ▶	4303031	BEARING	14366	2		K-3233,K-3234
3	K-1926	COUNTERSHAFT REPL KIT	20462 ,20463	2		
4	X-6-E	KEY		2		S-3047,S-3048
5 ▶	62511	ROLL PIN		4		S-3047,S-3048
6 ▶	4304840	KEY	19673	2		K-1926,S-3047,S-3048
7 ▶	20382	2ND GEAR-CNTRSHFT	19269 ,4302103 ,4303512	2		S-3047,S-3048
8 ▶	20380	3RD GEAR-CNTRSHFT	19627	2		S-3047,S-3048
9 ▶	4305661	OD GEAR-CNTRSHFT	19631 19633 20481 ,4302233,20459	2		S-3047,S-3048
10 ▶	15953	PTO GEAR - LOWER		1		S-3048
10	16390	NO LONGER AVAILABLE		2	OPTIONAL IF PTO GEARS ARE NOT USED	
10 ▶	20840	PTO GEAR - UPPER	15952	1		S-3047
11 ▶	4305903	DRIVE GEAR - CNTRSHFT	19643, 19645, 20378,20461	2		S-3047,S-3048
12 ▶	19198	SNAP RING		2		S-3047,S-3048
13	4304599	BEARING	4302677 4304598	2		K-3233,K-3234
14 ▶	4304605	RETAINER	19548	2	ROLL PIN NO LONGER REQUIRED	
15	X-7-1005	CAPSCREW		2	5/8"-18X1-3/4"	

Group: FILTER REGULATOR



FILTER REGULATOR

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	K-2170	FILTER REG KIT	A - 5454	1		
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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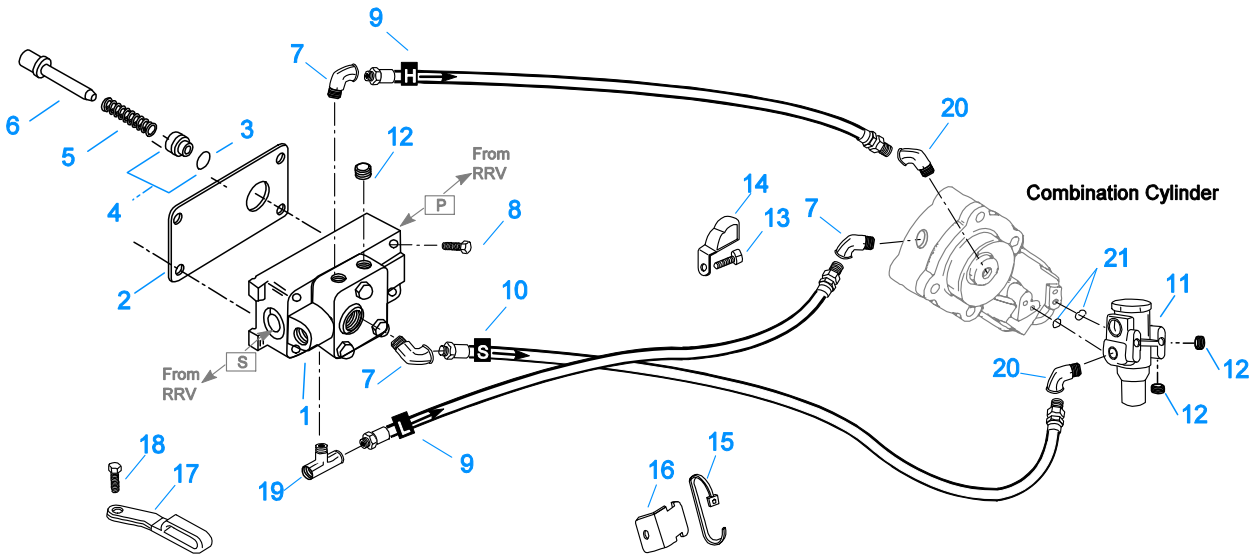
Group: H & C W/A-5000 VALVE

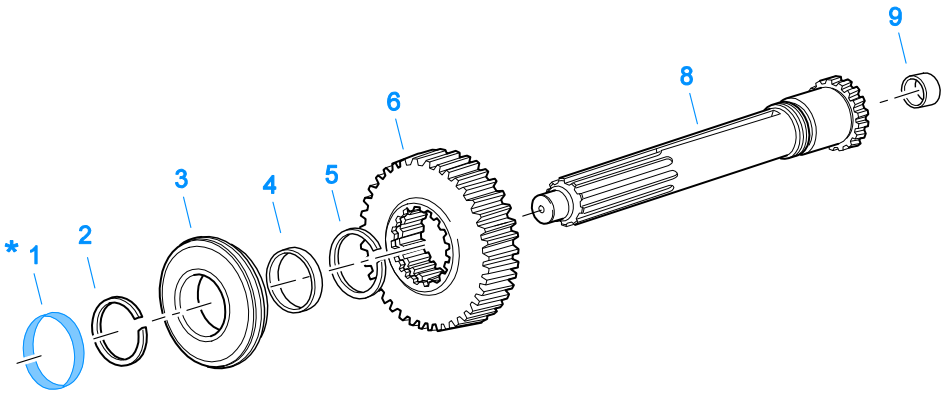


10110H-11-93 A-5000 HC

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		
2 ▶	19481	GASKET		1		K-2061
3 ▶	19462	-O- RING	14033	1		K-1969
4	K-1969	SLEEVE KIT	14362 ,19460 ,21446	1	FOR SLAVE VALVES	
5 ▶	21268	SPRING	19572	1		
6 ▶	20490	PIN	19459	1		
7 ▶	12845	ELBOW		3	1/8"	
8	X-8C-411	CAPSCREW		4	1/4"-20X1-3/4"	
9 ▶	55509	HOSE ASSY		2	34"	
10 ▶	55528	HOSE ASSY		1	36"	
11	K-2170	FILTER REG KIT	A - 5454	1		
12	X-12-208	PIPE PLUG		3	1/8" NPT	
13	X-8L-601	CAPSCREW		1	3/8"-16X3/4"	
14 ▶	21427	HOSE CLAMP		1		
15 ▶	21425	STRAP		1		
16 ▶	21426	BRACKET		1		
17 ▶	21428	HOSE CLAMP		1		
18	X-8L-604	CAPSCREW		1	3/8"-16X1-1/4"	
19 ▶	21086	BRANCH TEE		1	1/8"	
20 ▶	12880	ELBOW		2	1/8"	
21 ▶	15114	-O- RING		2		A-5000,K-1935,K-2054,K-2170

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	SHIPPING SEAL		1	NOT SOLD FOR SERVICE	
2	▶	16980	SNAP RING		1		K-2468,K-3234,K-3259,K-4125
3		4301417	BEARING	81504	1		K-3233,K-3234
4	▶	16463	SPACER		1		
5	▶	14750	SNAP RING		1		K-2468,K-3233,K-3234,K-3259,K-4125,S-3060
6	▶	4305904	MAIN DRIVE GEAR	22025	1		
8		S-1659	INPUT SHAFT	20535 23566 4302661	1	2" PULL - USE W/FBC 20550	K-2468,K-3234,K-4125
8		S-1660	INPUT SHAFT	20536 ,23567	1	2" PUSH - USE W/FBC 20549	
9	▶	16566	BUSHING		1		K-3233,S-1659,S-1660

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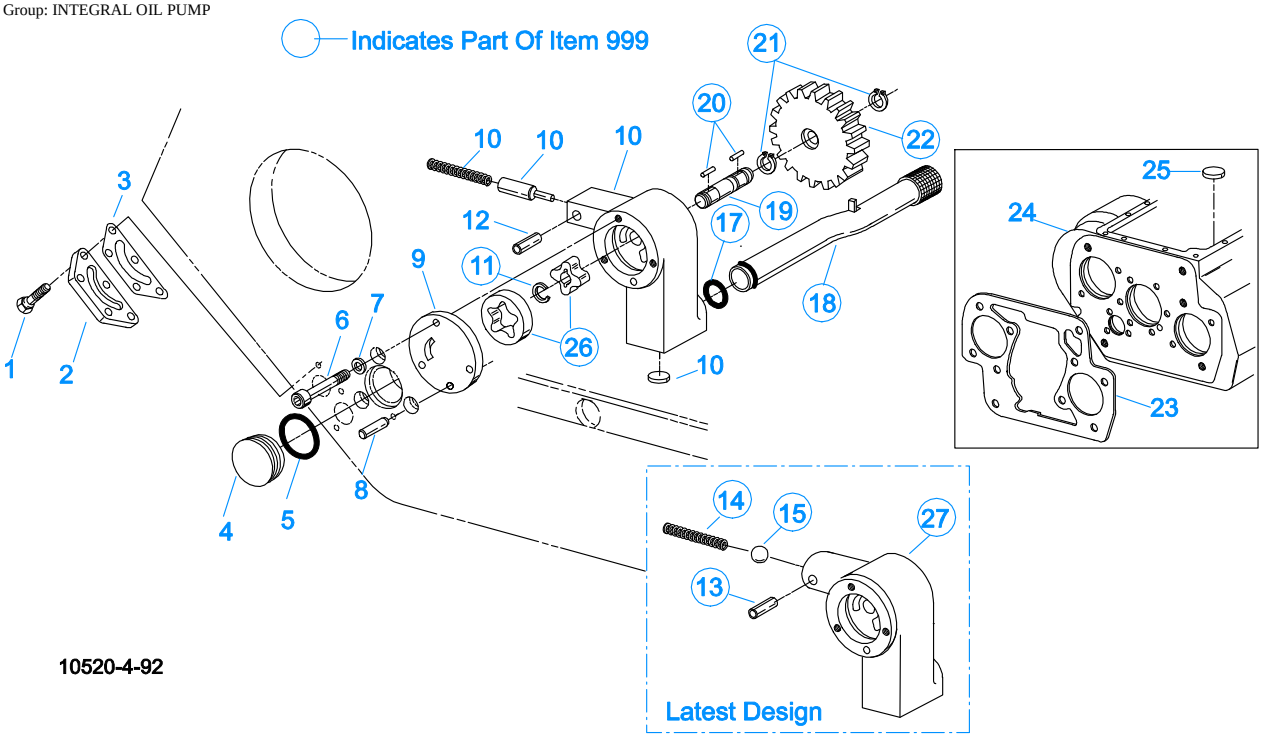
Group: INTEGRAL OIL PUMP



INTEGRAL OIL PUMP

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	X-8C-409	CAPSCREW		(5)	1/4"-20X5/8"	
2	K-2402	COVER & SCREW KIT	4300751	1		
3 ▶	20514	GASKET		1		K-2061,K-2402
4 ▶	20823	PLUG		1		
5 ▶	14765	-O- RING		1		K-2054
6	X-8-448	SCREW	X 8 445	3	1/4"-20X1-1/4"	
7 ▶	20824	WASHER		3		K-3367
8 ▶	20825	DOWEL PIN		1		
9 ▶	4303107	RETAINER	20510	1		
10	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
11 ▶	20518	CRESCENT RING		1		
12 ▶	62516	ROLL PIN	62521	1		
13	62514	ROLL PIN		1		
14	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
15	X-14-700	STEEL BALL		1	7/16"	
17 ▶	20225	-O- RING		1		
18 ▶	4305713	SUCTION TUBE	4304628	1	O-RING INCLUDED ON SUCTION TUBE	K-3367
19 ▶	20508	DRIVE SHAFT		1		
20 ▶	20509	KEY		2		
21 ▶	14853	SNAP RING		2		
22 ▶	20511	DRIVE GEAR		1		
23 ▶	4306584	CLUTCH HOUSING GASKET	4304815,4305668	1		K-2061
24	S-2496	CASE ASSY	4303355	1		
25 ▶	14373	MAGNET		3		S-2496
26 ▶	20507	ELEMENT		1		
27	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
999	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529	1		

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
			,4304572 A - 6963 ,A - 7173			

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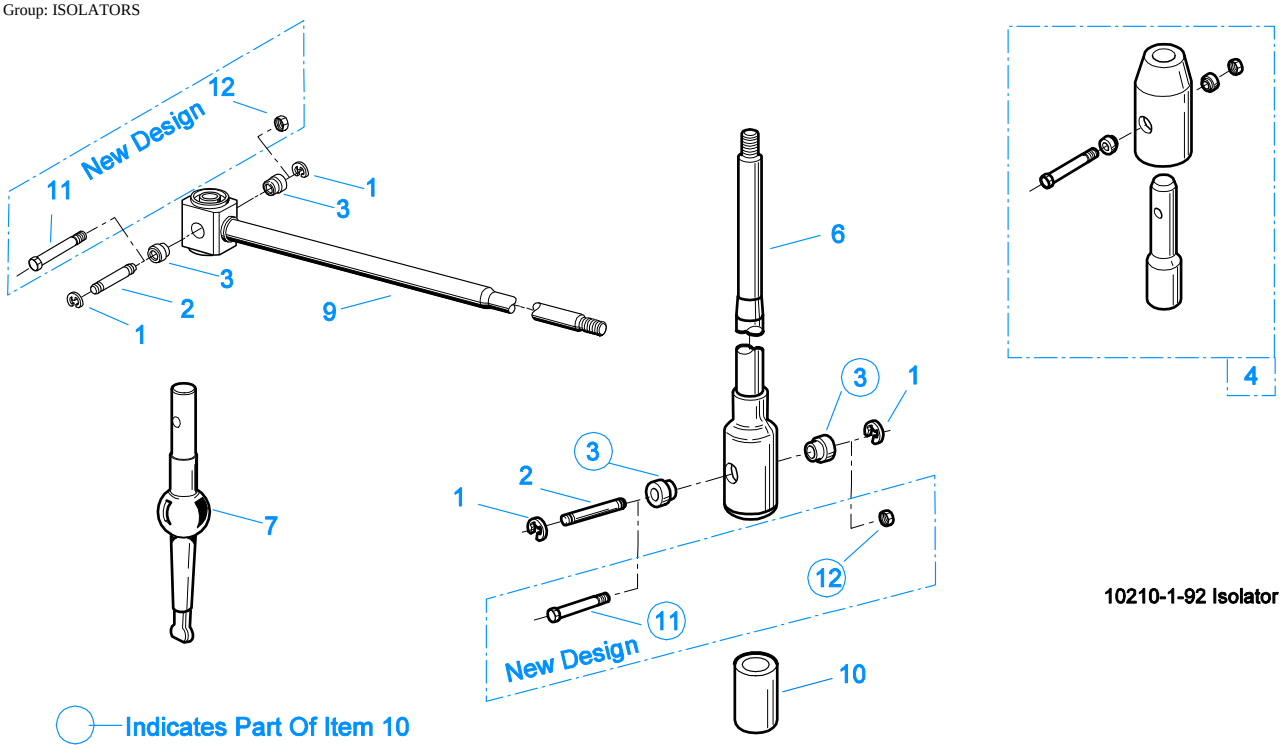
Group: ISOLATORS



10210-1-92 Isolator

ISOLATORS

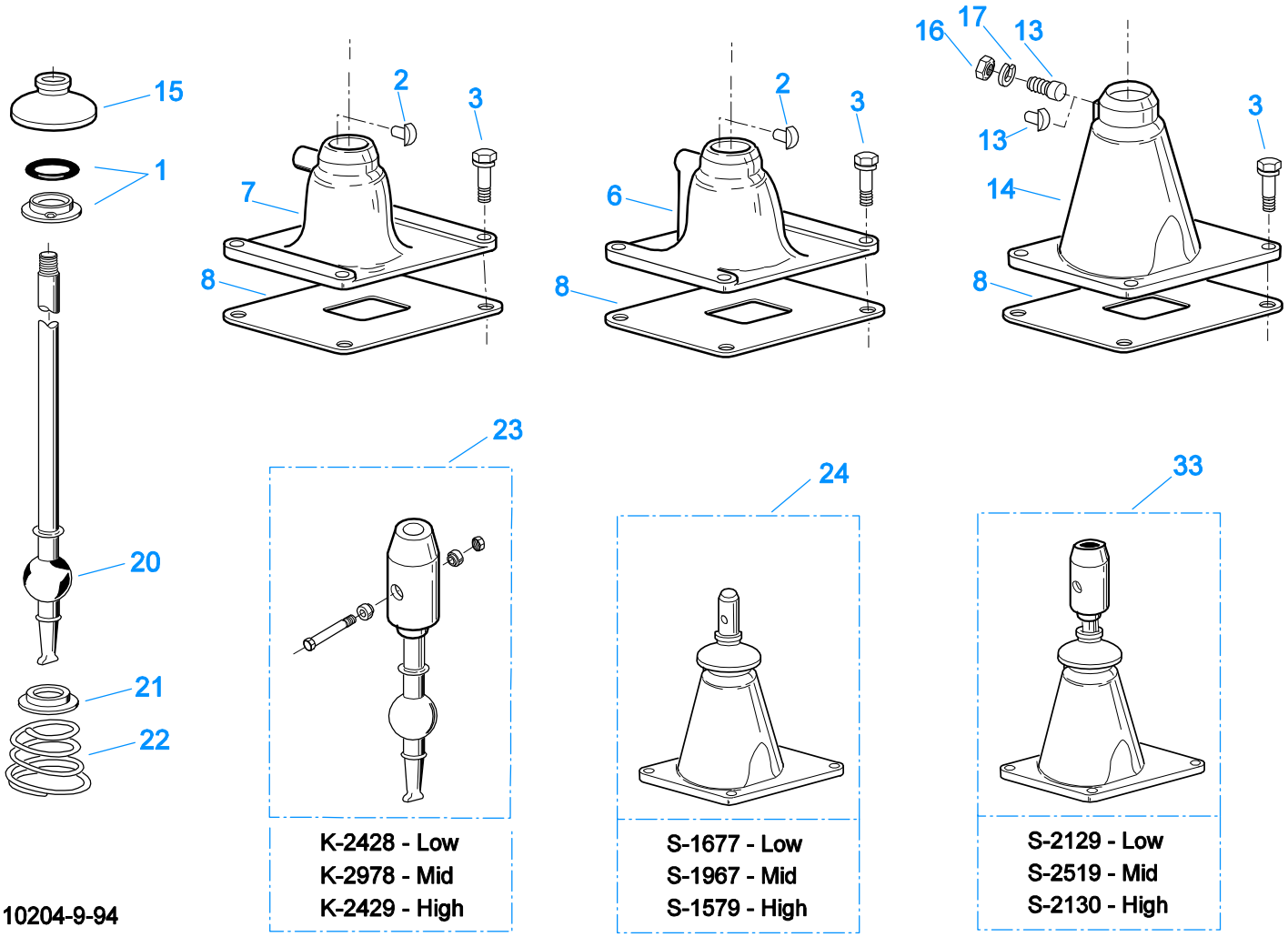
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1 ▶	19124	-E- RING		2		
2	K-3467	PIN REPLACEMENT KIT	21245	1		
3 ▶	21246	BUSHING		2		K-2003,K-2428,K-2429,K-2978,K-3399,S-2129,S-2130,S-2519
4	S-1794	ISOLATOR ASSY		1		
6 ▶	21247	LEVER		1	STRAIGHT 18.67"	
7 ▶	21235	STUB LEVER		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)		
12	X-9-503	NUT		(1)		

KITS & ASSEMBLIES

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
	K-1457	-O- RING KIT		1	FOR INSERT VALVE	
	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-1926	COUNTERSHAFT REPL KIT	20462 ,20463	1		
	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-2003	PIN & BUSHING KIT		1		
	K-2054	-O- RING KIT		1		K-3233,K-3234
	K-2061	GASKET KIT		1		K-3233,K-3234
	K-2170	FILTER REG KIT	A - 5454	1		
	K-2262	OIL SEAL W/SLINGER	19109 ,20807 ,20808	1	"FOR MECHANICAL COVER"	
	K-2394	AIR SYSTEMS TOOL KIT		1		
	K-2402	COVER & SCREW KIT	4300751	1		
	K-2427	PISTON KIT	4301320	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-3233,K-3234,S-2704
	K-2918	OIL SEAL KIT	4302322 4302323	1	"FOR MAGNETIC COVER"	K-3233,K-3234
	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-3192	MASTER VALVE REPAIR KIT		1	FOR A-6915 VALVE	
	K-3194	MASTER VALVE REPAIR KIT		1	FOR A-7315 VALVE	
	K-3209	IDLER SHAFT REPL KIT	16405 ,4302981 ,4305513	1		
	K-3233	BASIC REBUILD KIT		1		
	K-3234	BASIC OVERHAUL KIT		1		
	K-3259	SMALL PARTS KIT		1		
	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
	K-3399	ISOLATOR BUSHING KIT	21244 ,23311	1		
	K-3467	PIN REPLACEMENT KIT	21245	1		
	K-3492	SYNCHRONIZER KIT	K - 2446	1		
	K-3494	SYNCHRONIZER REPLACEMENT KIT	K - 2448	1	SLIDING CLUTCH INCLUDED IN KIT	
	K-4125	CLUTCH INSTALLATION KIT (RT), HYDRAULIC RELEASE		1	STANDARD RT INPUT SHAFT AND YOKE FOR HYDRAULIC CLUTCH RELEASE	
	S-1219	YOKE ASSY LOW-REV		1		
	S-1404	OIL FILTER	17238	1		
	S-1445	SHIFT BAR HSG-RTO	20215 ,21135 ,4302452	1	HOUSING ONLY (X)	
	S-1446	SHIFT BAR HSG-RTOF	20217 ,21136	1	HOUSING ONLY (XF)	
	S-1516	CAP ASSY	20851 ,20853	1		
	S-1527	SHIFT BAR HSG ASSY-RTO	20215 ,21135 ,4302452	1	COMPLETE (X)	
	S-1528	SHIFT BAR HSG ASSY-RTOF	20217 ,21136	1	COMPLETE (XF)	
	S-1659	INPUT SHAFT	20535 23566 4302661	1	2" PULL - USE W/FBC 20550	K-2468,K-3234,K-4125
	S-1660	INPUT SHAFT	20536 ,23567	1	2" PUSH - USE W/FBC 20549	
	S-1794	ISOLATOR ASSY		1		

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
	S-2129	SHIFT LEVER HSG ASSY		1	LOW TOWER	
	S-2130	SHIFT LEVER HSG ASSY	S - 2053	1	HIGH TOWER	
	S-2496	CASE ASSY	4303355	1		
	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	MECHANICAL	
	S-2519	SHIFT LEVER HSG ASSY	S - 2919	1	MID TOWER	
	S-2586	ROADRANGER VALVE ASSY		1	RTO-W/SHIFT PATTERN	
	S-2688	MAINSHAFT ASSY	4303404 ,4303913	1		
	S-2704	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	

Group: LEVERS/HOUSINGS



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
3	X-8C-1036M	CAPSCREW	X-8-1005M	4	M10 X 1.5 X 38MM	
6	K-2977	SHIFT LEVER HSG KIT	4301167 ,4304907 ,A - 6040	1	MID TOWER	
7	K-1476	SHIFT LEVER HSG	4530 ,17163 ,18298 ,4304905 ,A - 4437	1	LOW TOWER	
8 ▶	4305294	GASKET	4303431	1		K-1476,K-2061,K-2428,K-2429,K-2973,K-2977,K-2978,S-1527,S-1528,S-1579,S-1677,S-1967,S-2129,S-2130,S-2519
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"	

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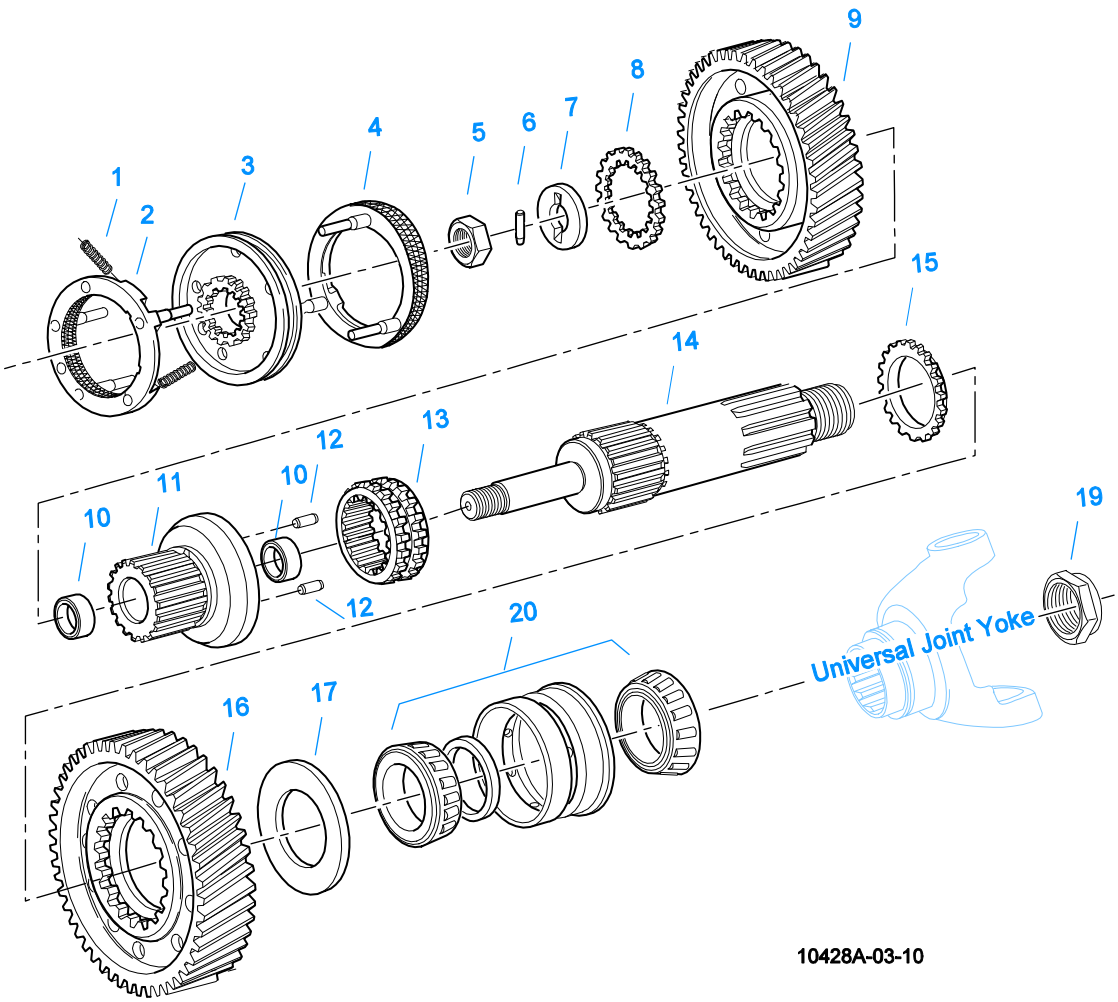
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
21	2538	RETAINER		1		K-1476,K-2973,K-2977,S-1579,S-1677,S-2130
22	2536	SPRING		1		K-1476,K-2973,K-2977,S-1579,S-1677,S-2130
23	K-2428	LEVER REPLACEMENT KIT		1	LOW TOWER	
23	K-2429	LEVER REPLACEMENT KIT		1	HIGH TOWER	
23	K-2978	LEVER REPLACEMENT KIT		1	MID TOWER	
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	

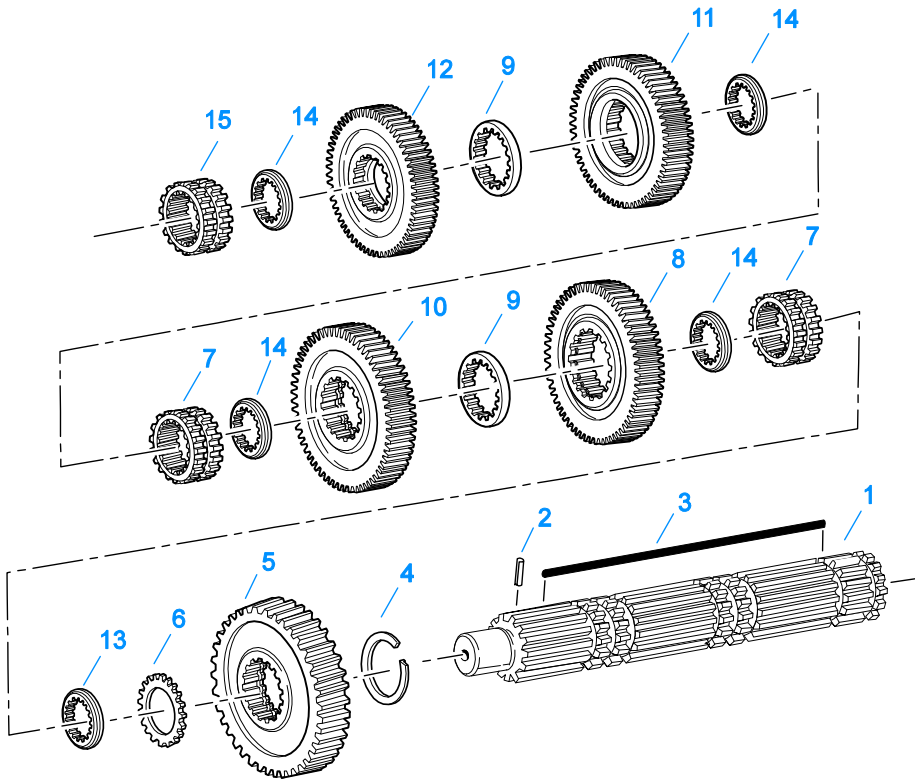
Group: MAINSHAFT & SYNCHRO(AUX)



MAINSHAFT & SYNCHRO(AUX)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1 ▶	14897	SPRING		3		K-3233,K-3234,K-3259,K-3492,K-3494
2	A-7331	SYNCHRONIZER ASSY	4304396 4304397 A - 5917	1	HI RANGE	K-3492,K-3494
3 ▶	20323	SLIDING CLUTCH		1		K-3494
4	A-7254	SYNCHRONIZER ASSEMBLY	A - 4937 A - 5876	1	LO RANGE	K-3492,K-3494
5 ▶	21365	NUT		1		K-3259
6 ▶	17332	DOWEL PIN		1		K-3259
7 ▶	21347	WASHER		1		K-3259
8 ▶	21350	WASHER		1		K-3259
9 ▶	21319	REDUCTION GEAR		1		
10 ▶	21352	BUSHING		2		A-5156,K-3233,K-3234
11	A-5156	MAINSHAFT ASSY	21351	1		
12 ▶	21652	PIN		2		K-3259
13 ▶	21360	SLIDING CLUTCH		1		
14 ▶	4303359	MAINSHAFT		1		
15 ▶	21354	WASHER		1		K-3259
16 ▶	4300677	DEEP REDUCTION GEAR		1		
17 ▶	21358	WASHER		1		K-3259
19	K-4122	HEX FLANGE CRIMPED NUT KIT	4302321,4306520	1		
20	5556503-BOX	BEARING	5556503	1		K-3233,K-3234

Group: MAINSHAFT ASSY



10337B-10-96

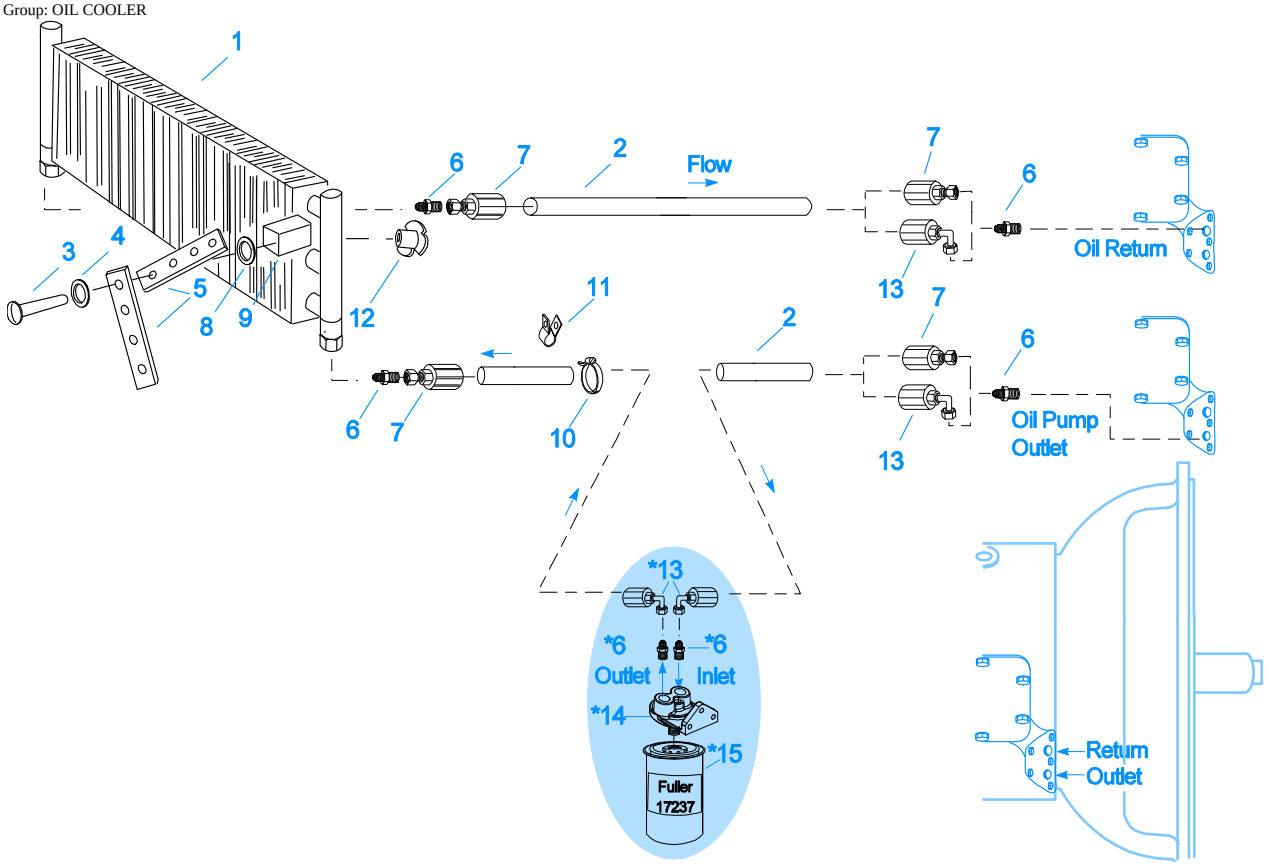
MAINSHAFT ASSY

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
0	S-3060	COMPLETE MAINSHAFT ASSEMBLY		1	COMPLETE MAINSHAFT ASSEMBLY	
1	S-2688	MAINSHAFT ASSY	4303404 ,4303913	1		
2 ▶	62504	ROLL PIN		1		S-2688,S-3060
3 ▶	4304615	3-SIDED KEY	4300120	1		S-3060
4 ▶	14750	SNAP RING		1		K-2468,K-3233,K-3234,K-3259,K-4125,S-3060
5 ▶	16949	REVERSE GEAR-MAINSHAFT		1		S-3060
6 ▶	4302047	SPACER		1		K-3259,S-3060
7	16118	SLIDING CLUTCH		2		S-3060
8 ▶	4305905	1ST GEAR-MAINSHAFT	4303429	1		S-3060
9 ▶	4303603	WASHER		2		S-3060
10 ▶	4303428	2ND GEAR-MAINSHAFT	4303411	1		S-3060
11 ▶	4302484	3RD GEAR-MAINSHAFT	4302483	1		S-3060
12 ▶	4305663	OD GEAR-MAINSHAFT	4302382 ,4302383,4302381	1		
13 ▶	4300830	WASHER .244-BLUE		1		S-3060
14 ▶	4302398	WASHER		4		S-3060
15 ▶	4304317	SLIDING CLUTCH	22026	1		K-3234,S-3060

MISCELLANEOUS

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
▶	20468	SHIFT DIAGRAM LABEL		1		
▶	71203	SILICONE LUBE		1	8 OZ (236.59 CC)-FLEET SIZE	
▶	71204	ADHESIVE SEALANT		1	0.5 CC (SINGLE APPLICATION SIZE)	
▶	71205	SEALANT		1	2 CC (SINGLE APPLICATION SIZE)	K-3234
▶	71206	SILICONE LUBE		1	4 CC (SINGLE APPLICATION SIZE)	K-2054,K-2428,K-2429,K-2978

Group: OIL COOLER



10525-4/92 Cooler

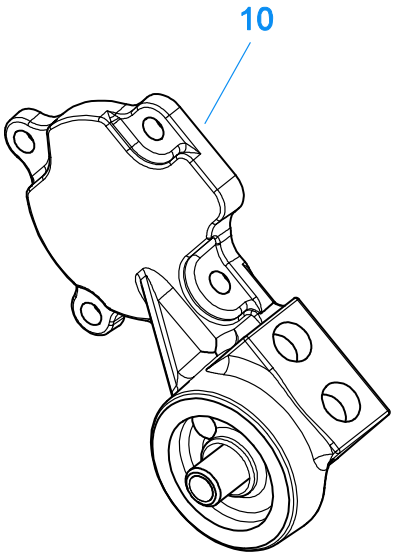
*Adding Oil Filter and parts as shown is optional.

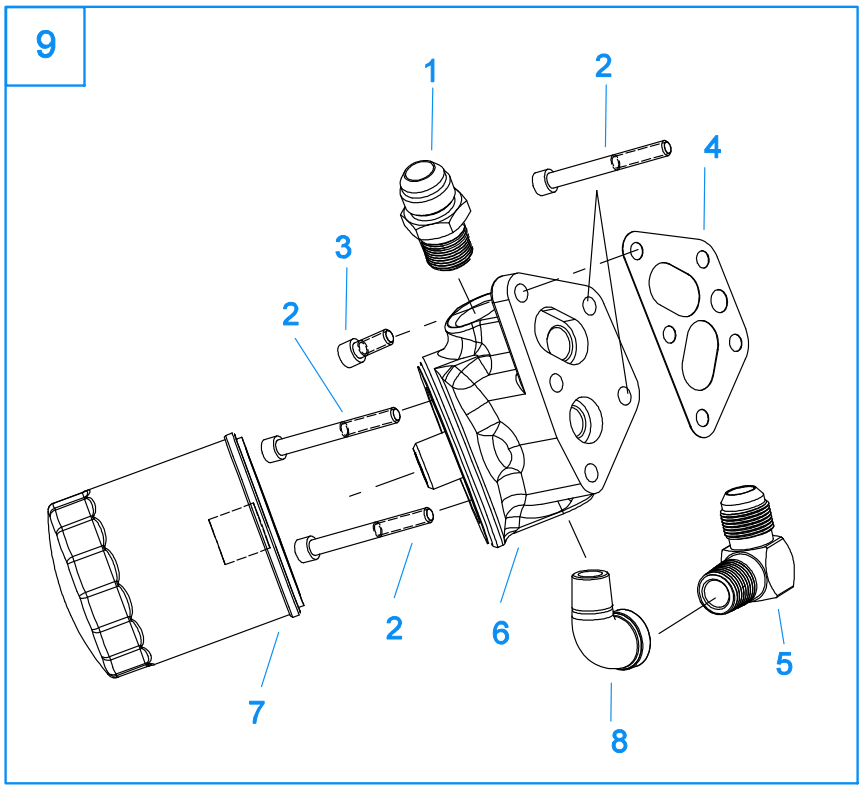
Return / Outlet Location

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,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
13 ▶	19422	ELBOW		2		K-1956
14	S-1404	OIL FILTER	17238	1		
15 ▶	17237	FILTER ELEMENT		1		S-1404

Group: OIL FILTER





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,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
8 ▶	17007	ELBOW		1		K-3441
9	K-3441	OIL FILTER/ADAPTER KIT		1		
10	A-7300	AUX COUNTERSHAFT COVER ASSY		(1)		

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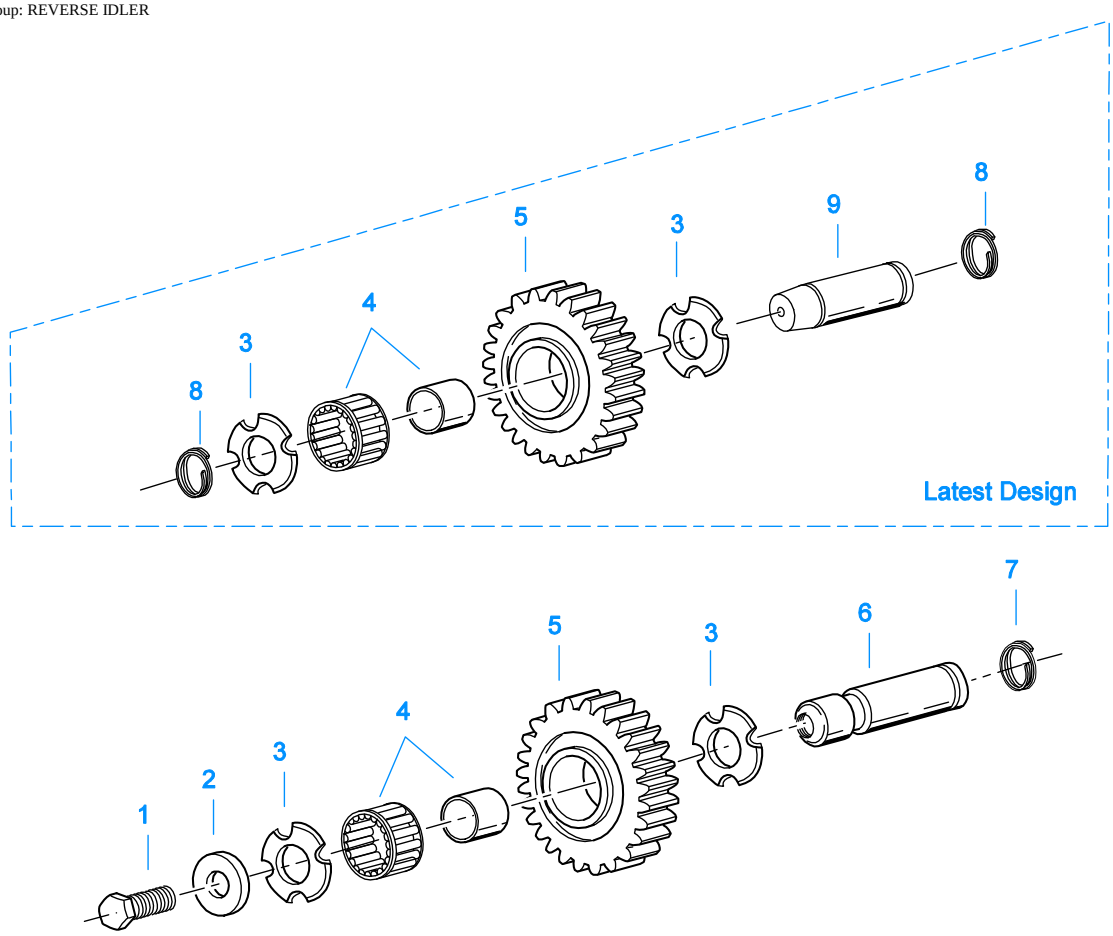
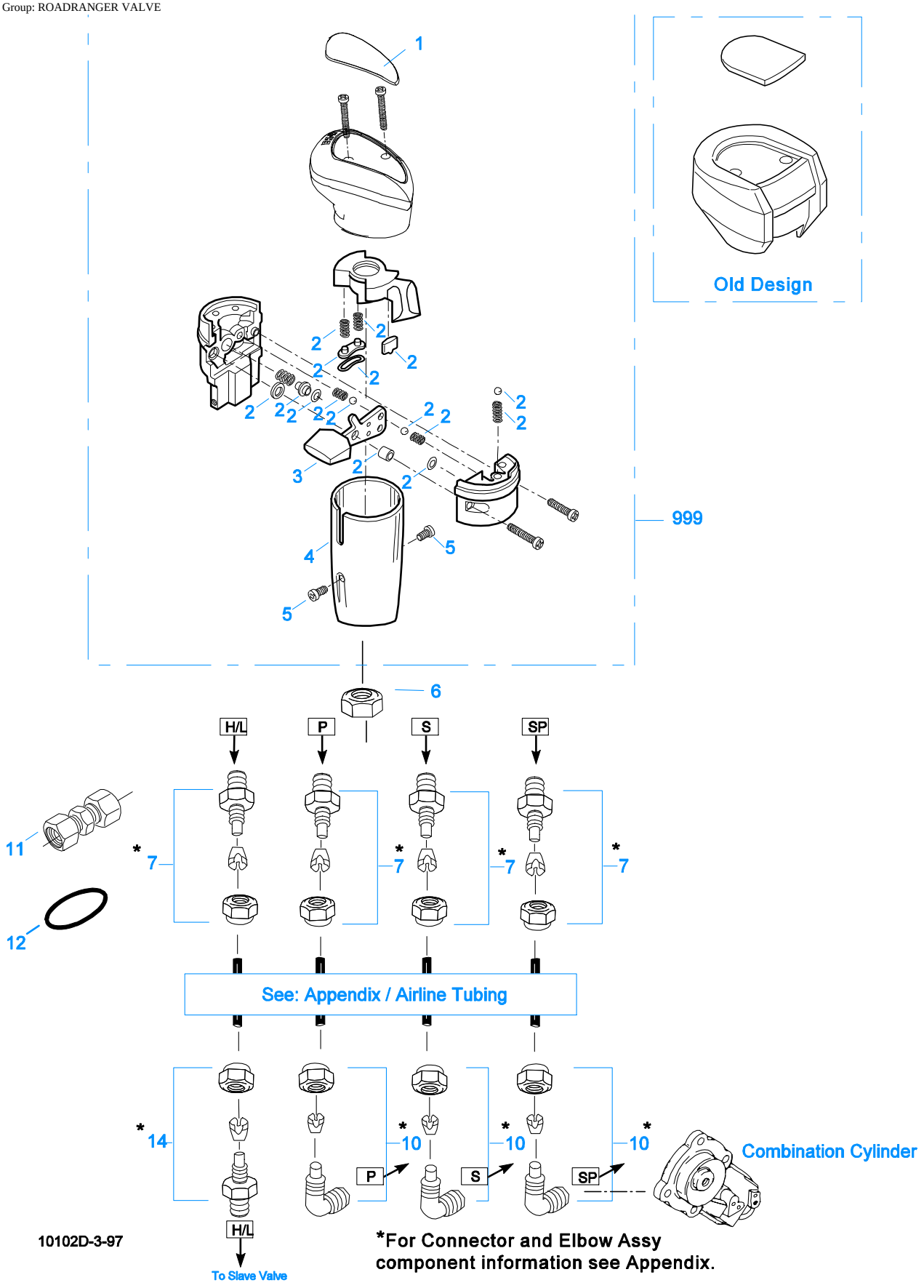
Group: REVERSE IDLER



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,S-2496
4 ▶	14287	BEARING	4305020	2		K-3233,K-3234
5 ▶	16953	REVERSE IDLER GEAR		2		
6	K-3209	IDLER SHAFT REPL KIT	16405 ,4302981 ,4305513	2		
7 ▶	4303336	RETAINING RING		2		K-3209
8 ▶	4303336	RETAINING RING		4		K-3209
9 ▶	4305513	IDLER SHAFT		2		K-3209



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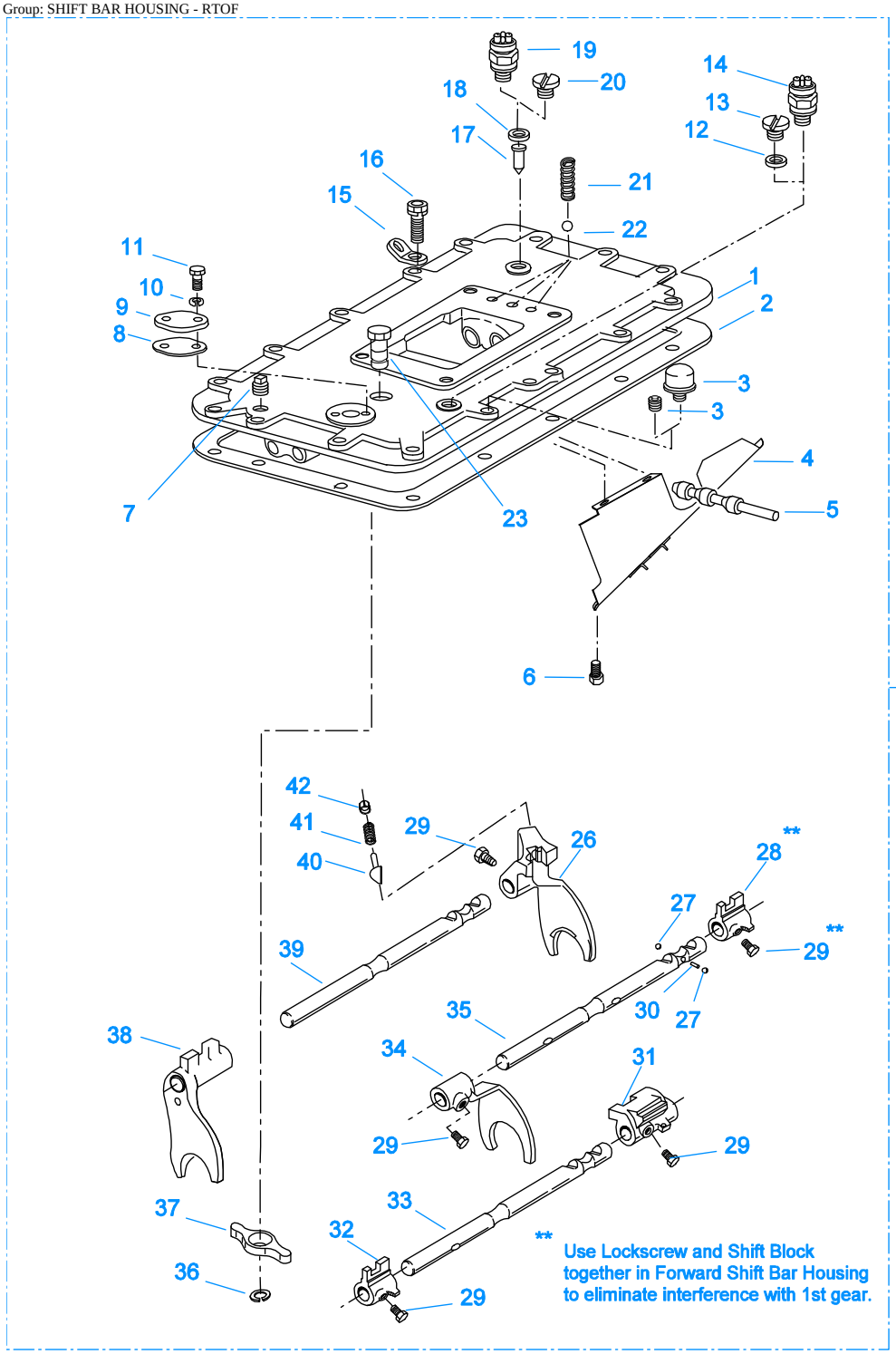
ROADRANGER VALVE

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1 ▶	5586100	MEDALLION, LOGO		1	(LATEST DESIGN) FULLER LOGO ONLY	A-6915,A-7315
1 ▶	5586106	SHIFT DIAGRAM MEDALLION		1	RTO-W/SHIFT PATTERN	S-2586
2	K-3192	MASTER VALVE REPAIR KIT		1	FOR A-6915 VALVE	
2	K-3194	MASTER VALVE REPAIR KIT		1	FOR A-7315 VALVE	
3 ▶	20496	LEVER		1		A-6915,A-7315
4 ▶	20112	COVER		1		A-6915,A-7315
5	X-8-213	SCREW	X 8 202	2	8-32X3/8"	
6	X-9-802	NUT		1	1/2"-13	
7 ▶	84001	CONNECTOR ASSY	82501	4	1/8"TUBE-1/16"NPTF	
7 ▶	84003	CONNECTOR ASSY	82503	4	5/32"TUBE-1/16"NPTF	
7 ▶	84005	CONNECTOR ASSY		4	"PUSH-TO-CONNECT" 5/32"TUBE-1/16"NPTF	S-2586
10 ▶	85001	ELBOW ASSY	84501	3	5/32"TUBE-1/8"NPTF	K-3234
10 ▶	85002	ELBOW ASSY	84502	3	1/8"TUBE-1/8"NPTF	
10 ▶	85003	ELBOW ASSY		3	"PUSH-TO-CONNECT" 5/32"TUBE-1/8"NPTF	
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		
14 ▶	84002	CONNECTOR ASSY	82502	1	1/8"TUBE-1/8"NPTF	
14 ▶	84004	CONNECTOR ASSY	82504	1	5/32"TUBE-1/8"NPTF	K-3234
14 ▶	84006	CONNECTOR ASSY		1	"PUSH-TO-CONNECT" 5/32"TUBE-1/8"NPTF	
999	A-6915	ROADRANGER VALVE ASSY	A - 5015	(1)	STANDARD-W/LOGO	
999	A-7315	ROADRANGER VALVE ASSY	A - 5315	(1)	(LEFT OF DRIVER)-W/LOGO	
999	S-2586	ROADRANGER VALVE ASSY		(1)	RTO-W/SHIFT PATTERN	

Group: SHIFT BAR HOUSING - RTOF



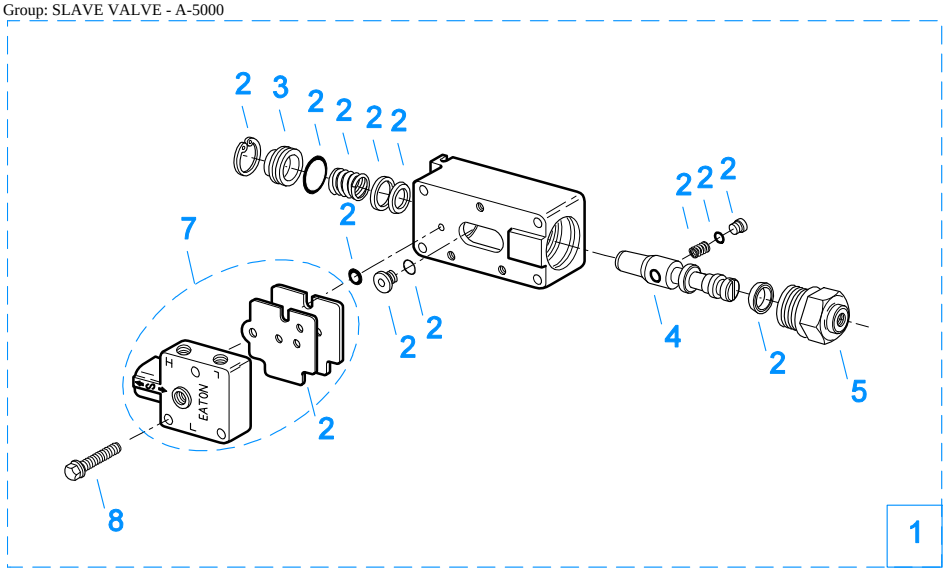
10253-11-96 X-Forward

SHIFT BAR HOUSING - RTOF

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-1446	SHIFT BAR HSG - RTOF	20217 ,21136	1	HOUSING ONLY	
2 ▶	4302676	GASKET	14918	1		K-2061,S-1527,S-1528
3 ▶	4304602	BREATHER	23605	1	1/4" NPT	
3	X-12-404	PIPE PLUG		1	1/4" NPT	
4 ▶	20070	OIL TROUGH		1		S-1527,S-1528
5 ▶	20332	AIR VALVE SHAFT	17177	1		S-1527,S-1528
6	X-8-423	CAPSCREW		2	1/4"-20X1/2"	

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
7	X-12-603	PIPE PLUG	X12 602	1	3/8" NPT	
8 ▶	20209	GASKET		1		K-2061,S-1445,S-1446,S-1527,S-1528
9 ▶	20199	PLATE	18724	1		S-1445,S-1446,S-1527,S-1528
10	X-3-400	LOCKWASHER		2	1/4"	
11	X-8-406	CAPSCREW		2	1/4"-20X3/4"	
12 ▶	17179	GASKET		1		S-1445,S-1446,S-1527,S-1528
13 ▶	4303655	PLUG	17178	1		S-1445,S-1446,S-1527,S-1528
14 ▶	22941	NEUTRAL LIGHT SWITCH	12639	1	SWITCH NORMALLY CLOSED	
15 ▶	20815	LIFTING EYE	17105	2		S-2704
16	X-8L-602	CAPSCREW		2	3/8"-16X1-1/2"	
16	X-8L-604	CAPSCREW		16	3/8"-16X1-1/4"- OR USE 14 PCS OF X-8L-604 WITH 2 PCS OF X-8L-602	
17 ▶	15899	PIN		1		S-1445,S-1446,S-1527,S-1528
18 ▶	15900	GASKET		1		S-1445,S-1446,S-1527,S-1528
19 ▶	22940	REVERSE LIGHT SWITCH	16830	1	SWITCH NORMALLY OPEN	
20 ▶	4303656	PLUG	15917	1		S-1445,S-1446,S-1527,S-1528
21 ▶	15918	SPRING		3		K-3234,K-3259,S-1527,S-1528
22	X-14-800	STEEL BALL		3	1/2"	
23	K-3104	ACTUATOR PIN KIT	4303287	1		
26 ▶	16338	SHIFT YOKE		1	REVERSE/LO	S-1528
27	X-14-1200	STEEL BALL		2	3/4"	
28 ▶	15770	SHIFT BLOCK		1	1ST/2ND	S-1528
29 ▶	22943	LOCKSCREW		1	USE W/15770 SHIFT BLOCK	S-1528
29	3220	LOCKSCREW		4		S-1527,S-1528
30	1634	INTERLOCK PIN		1		K-3259,S-1527,S-1528
31 ▶	19062	SHIFT BLOCK		1	3RD/OD	S-1528
32 ▶	20120	SHIFT BLOCK	18924	1	3RD/OD	S-1527,S-1528
33 ▶	18931	YOKE BAR	4302759	1	3RD/OD	S-1528
34 ▶	18922	SHIFT YOKE		1	1ST/2ND	S-1527,S-1528
35 ▶	18930	YOKE BAR		1	1ST/2ND	S-1528
36	4302070	SNAP RING		1		K-3104,S-1527,S-1528
37 ▶	4303225	ACTUATOR		1		S-1527,S-1528
38 ▶	4305575	SHIFT YOKE	20450	1	3RD/OD	S-1527,S-1528
39 ▶	18929	YOKE BAR		1	REVERSE/LO	S-1528
40 ▶	10019	PLUNGER		1		S-1219,S-1527,S-1528
41	6392	SPRING		1		S-1219,S-1527,S-1528
42	8968	PLUG		1		S-1219,S-1527,S-1528
999	S-1528	SHIFT BAR HSG ASSY-RTOF	20217 ,21136	1	COMPLETE	

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		
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"	

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