Roadranger® More time on the road®

Illustrated Parts List

RTX-12510
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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).

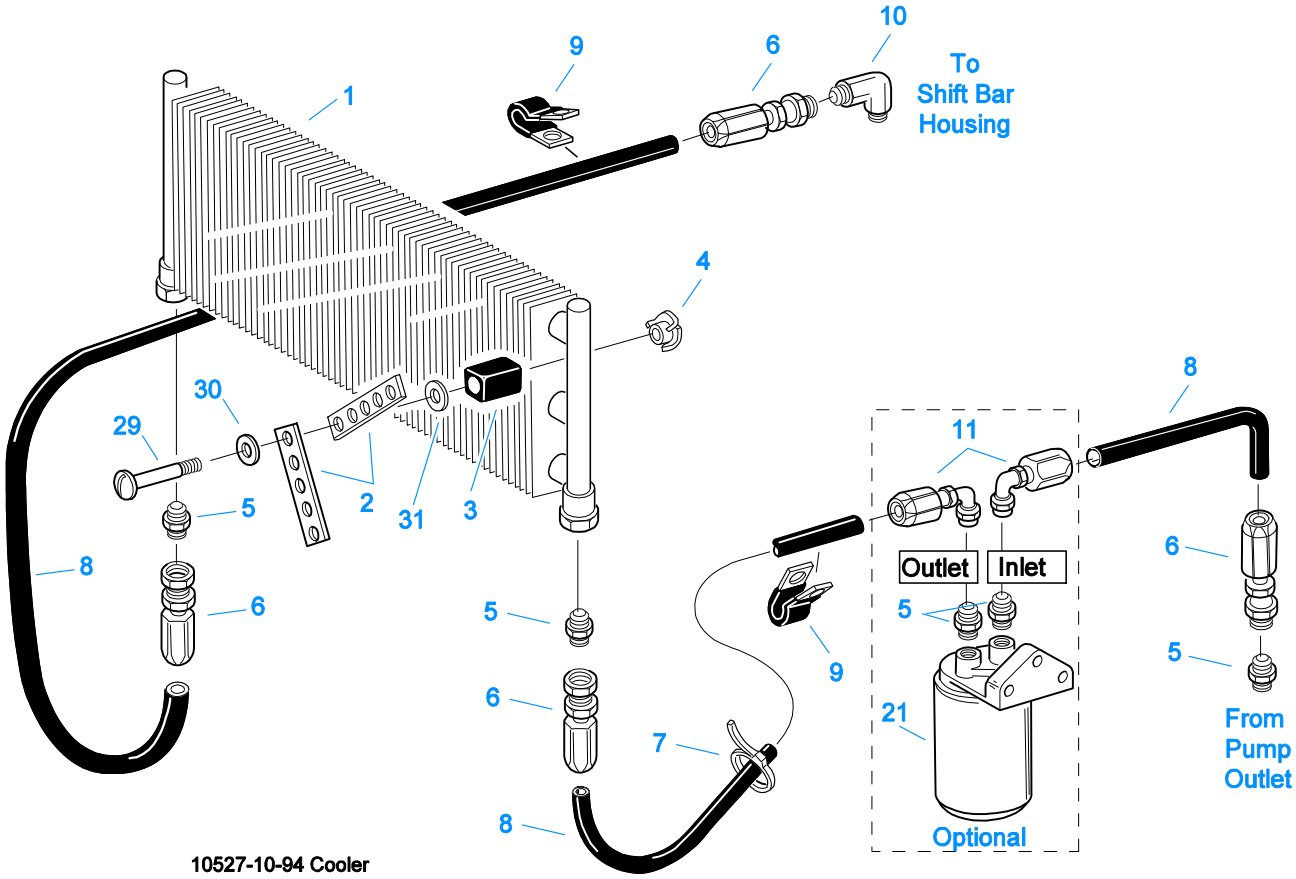
Illustrations

- 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**

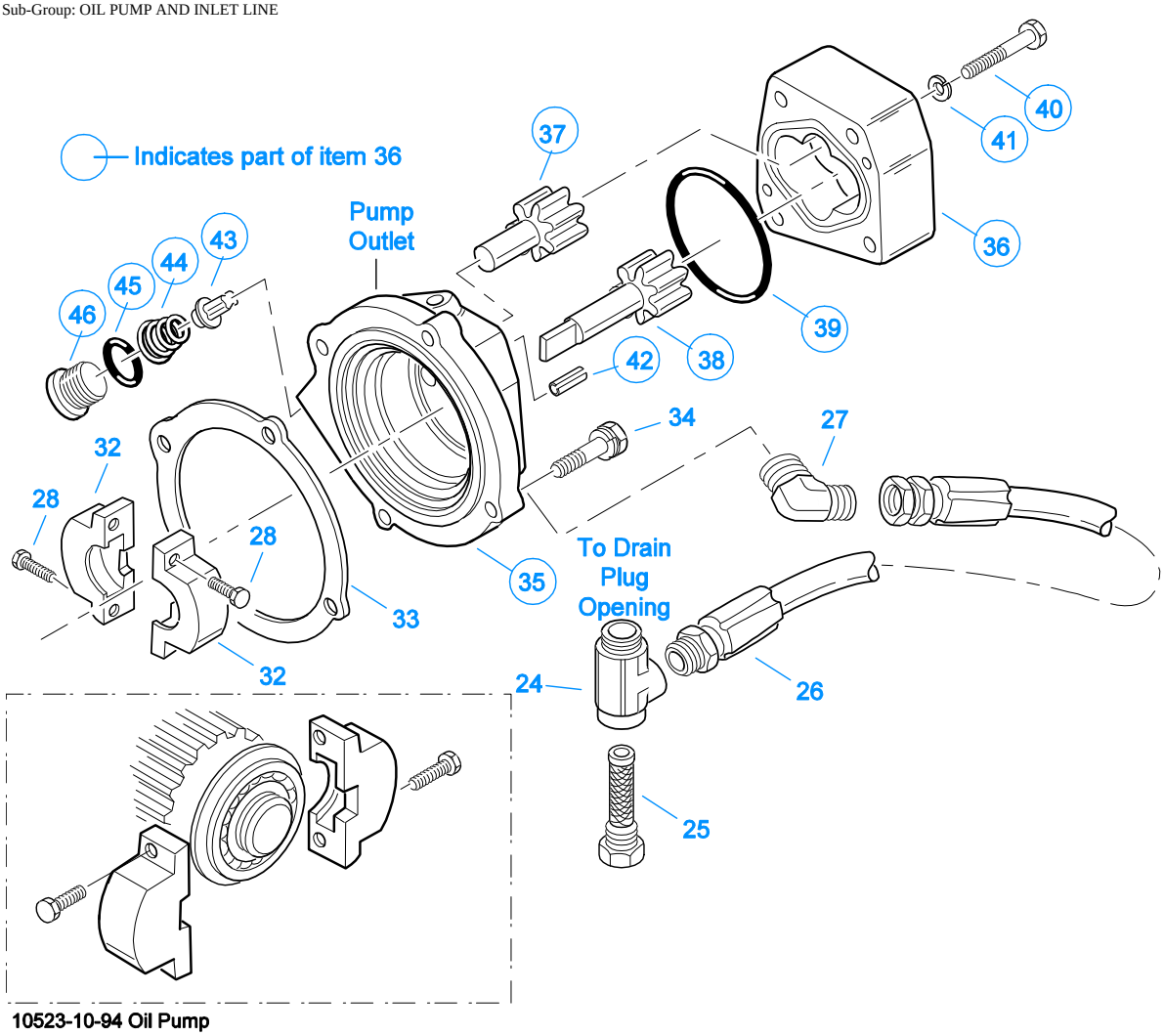


AUX. COUNTERSHAFT PUMP

OIL COOLER/CONNECTIONS

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	18025	OIL COOLER		1		
2	18211	BRACKET		4		
3	18209	PLUG-RUBBER MOUNT		2		
4	18210	NUT		2		
5	19419	CONNECTOR		5		
6	19415	SWIVEL		4		
7	17190	STRAP		8		
8	19424	HOSE		1	25 FEET	
9	19423	CLAMP		5		
10	19420	ELBOW		1		
11	19422	ELBOW		2		
21	S-1404	OIL FILTER	17238	1		
29	X-8-535	CAPSCREW		2	5/16"-16X2-1/2"	
30	X-3-506	LOCKWASHER		2	5/16"	
31	X-10-501	WASHER		2	5/16"	

Group: AUX. COUNTERSHAFT PUMP
Sub-Group: OIL PUMP AND INLET LINE

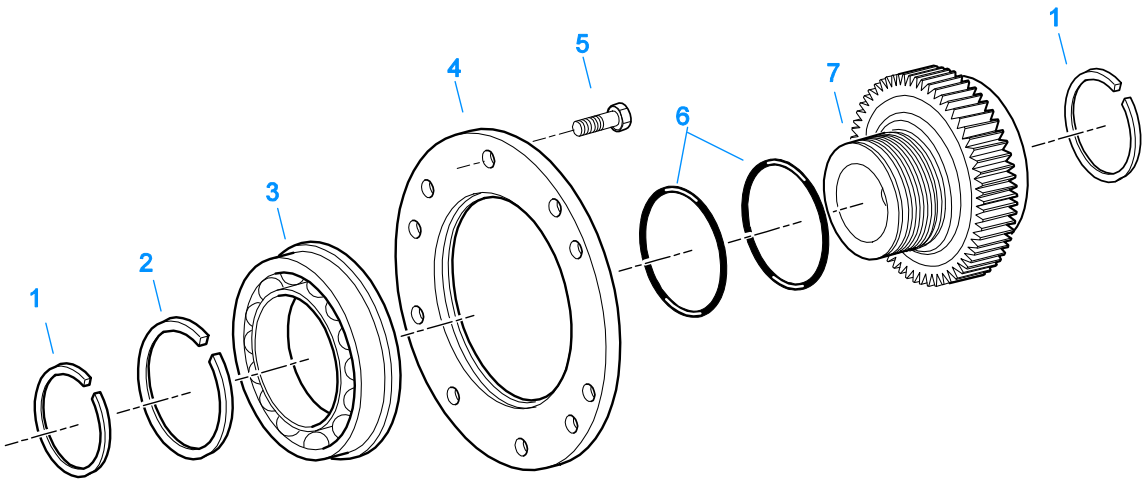


AUX. COUNTERSHAFT PUMP

OIL PUMP AND INLET LINE

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
24	19412	TEE		1		
25	19413	STRAINER		1		
26	19425	HOSE ASSY		1		
27	19418	ELBOW		1		
28	X-7-416	CAPSCREW		2	1/4"-28X13/16" SOCKET HEAD	
32	K-1711	COLLAR KIT	19404	1		
33	19409	GASKET		1		
34	X-8-685	CAPSCREW		1	3/8"-16X2-3/4" SOCKET HEAD	
34	X-8L-602	CAPSCREW		3	3/8"-16X1-1/2"	
35	19401	OIL PUMP ADAPTER		1		
36	A-4680	OIL PUMP ASSY	19400	1		
37	A-4676	IDLER GEAR ASSY		1		
38	A-4677	DRIVE GEAR ASSY		1		
39	18109	-O- RING		1		
40	X-8-434	CAPSCREW		4	1/4"-20X2"	
41	X-3-400	LOCKWASHER		4	1/4"	
42	62515	ROLL PIN		2		
43	12757	VALVE		1		
44	12755	SPRING		1		
45	5568536	-O- RING	13884	1		
46	19411	PLUG		1		

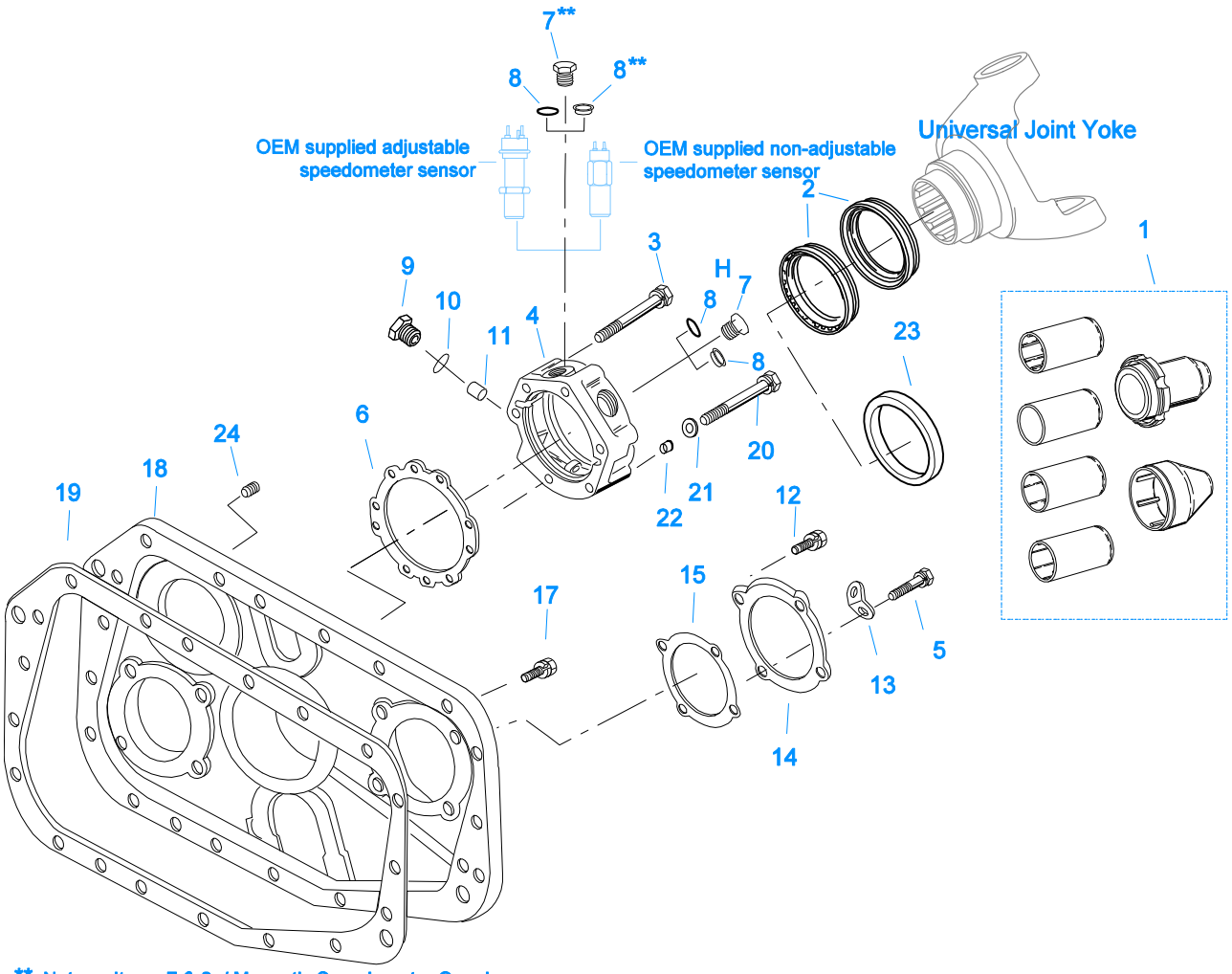
Group: AUXILIARY DRIVE GEAR



10483-5/93 Aux DG

AUXILIARY DRIVE GEAR

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	16763	SNAP RING		2		K-1064,K-1507,K-1861
2	16628	SNAP RING		1		K-1507
3	5566507-BOX	BEARING	5566504,5566507	1		K-1064,K-1861
4	16138	BEARING RETAINER		1		
5	X-8-612	CAPSCREW		6	3/8"-16X1"	
6	17453	-O- RING		2		K-1847
7	K-1847	REPL KIT-DRIVE GEAR	17214 ,20350	1		



** Note — Items 7 & 8 / Magnetic Speedometer Openings:
Use 13679 "O" ring w/ OEM supplied adjustable speedometer sensor
and 20225 "O" ring w/ OEM supplied non-adjustable speedometer sensor or Eaton part #20224 Plug

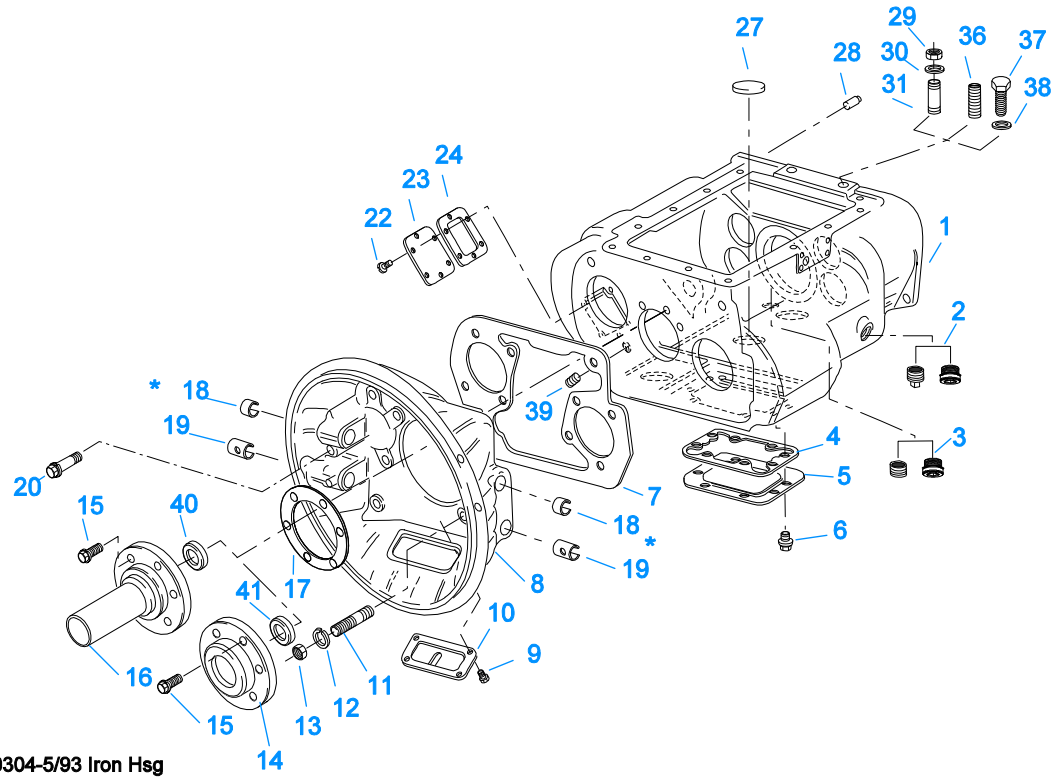
10409A-6-94 Aux Case

CASE (AUX)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	K-3651	OIL SEAL TOOL KIT		1		
2	K-2262	OIL SEAL W/SLINGER	19109 ,20807 ,20808	1	"FOR MECHANICAL COVER"	
3	X-8L-605	CAPSCREW		5	3/8"-16X3"	
4	S-2151	REAR BRG COVER ASSY	S - 1429	1		
5	X-8L-609	CAPSCREW		2	3/8"-16X1-3/4" - USE W/20815 LIFTING EYES	
6	15532	GASKET		1		K-2199,K-2256,K-2262,S-2151
7	20224	PLUG-MAGNETIC		2		S-2151
8	13679	-O- RING		1	USE W/OEM SUPPLIED ADJUSTABLE SPEEDOMETER SENSOR NOT TO BE USED WITH 4301954 SEAL	
8	20225	-O- RING		2	USE W/20224 PLUG OR OEM SUPPLIED NON-ADJUSTABLE SPEEDOMETER SENSOR NOT TO BE USED WITH 4301954 SEAL	
8	4301954	SENSOR SEAL		2	O-RING NOT REQUIRED	S-2151
9	20226	PLUG-MECHANICAL	2237	1		S-2151

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
10	14142	-O- RING		1		S-2151
11	7992	BUSHING		1		S-2151
12	X-8L-602	CAPSCREW		8	3/8"-16X1-1/2"	
13	20815	LIFTING EYE	17105	2		
14	16770	REAR BEARING COVER		2		
15	16784	GASKET		2		K-2199
17	X-8L-602	CAPSCREW		16	3/8"-16X1-1/2"	
17	X-8L-605	CAPSCREW		1	3/8"-16X3"	
17	X-8L-614	CAPSCREW		2	3/8"-16X2"	
18	S-1347	REAR HOUSING ASSY	17548 ,18736 ,18757 ,18784 ,19100	1		
19	14335	GASKET		1		K-2199
20	X-8-682	CAPSCREW		1	3/8"-16X3"	
21	17106	GASKET		1		K-2199,K-2256,K-2262,S-2151
22	19709	COLLAR		1		K-2199,K-2256,K-2262,S-2151
23	20920	OIL SEAL	15087	1	3-1/2" I.D.	
23	K-2262	OIL SEAL W/SLINGER	19109 ,20807 ,20808	1	"FOR MECHANICAL COVER"	
24	X-12-404	PIPE PLUG		1	1/4" NPT	

Group: CASE (FRONT)



10304-5/93 Iron Hsg

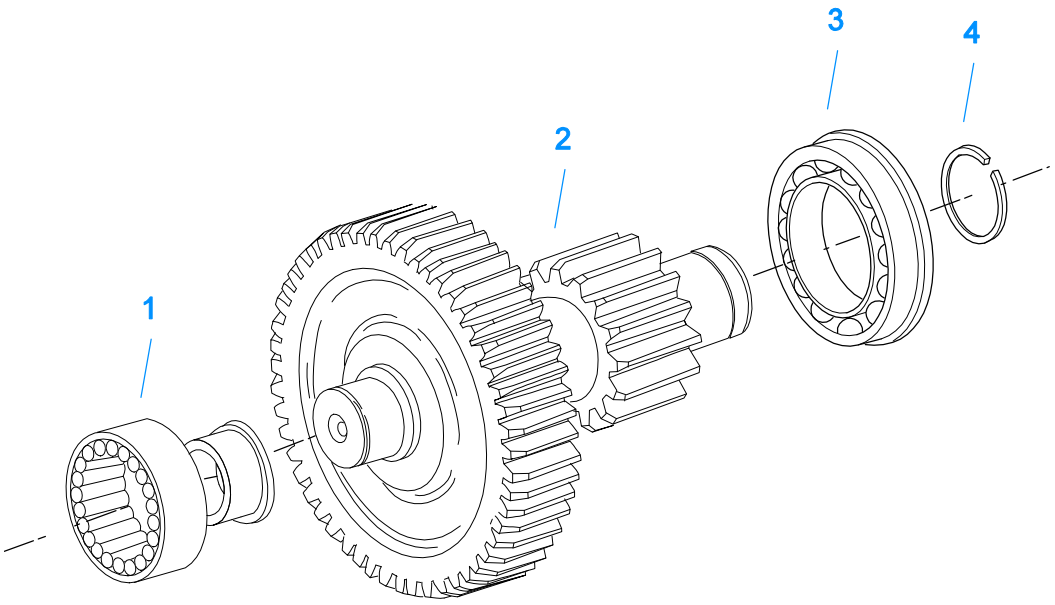
* Bushing quantity requirements: #1 Housing – Upper bore use 4 #12815 / Lower bore use 2 #8677.
#2 Housing – Upper bore use 2 #12815 and 1 #8677 / Lower bore use 2 #8677.

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

CASE (FRONT)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-1325	NO LONGER AVAILABLE	16950	1		
2	4304023	PLUG	4303747	1	1-1/16" MAGNETIC, O-RING INCLUDED	
2	X-12-2007	PIPE PLUG	X12 2006	1		
3	4304023	PLUG	4303747	1	1-1/16" MAGNETIC, O-RING INCLUDED	
3	X-12-1207	PIPE PLUG	X12 1202 ,X12 1206	1	3/4" MAGNETIC	
4	4305310	GASKET	4302810	1		K-2199
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-2199
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	
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	15111	FRONT BRG. COVER		1	2" PULL	
14	18699	FRONT BRG. COVER		1	1-3/4" & 2" PULL W/SEAL	
14	20550	FRONT BRG COVER		1	2" PULL	K-2468,K-4125
15	X-8L-604	CAPSCREW		6	3/8"-16X1-1/4" USE 6 PCS WITH PULL TYPE COVER USE 4 PCS WITH PUSH TYPE COVER	
15	X-8L-619	CAPSCREW		2	3/8"-16X1-1/4" - USE WITH PUSH TYPE COVER	

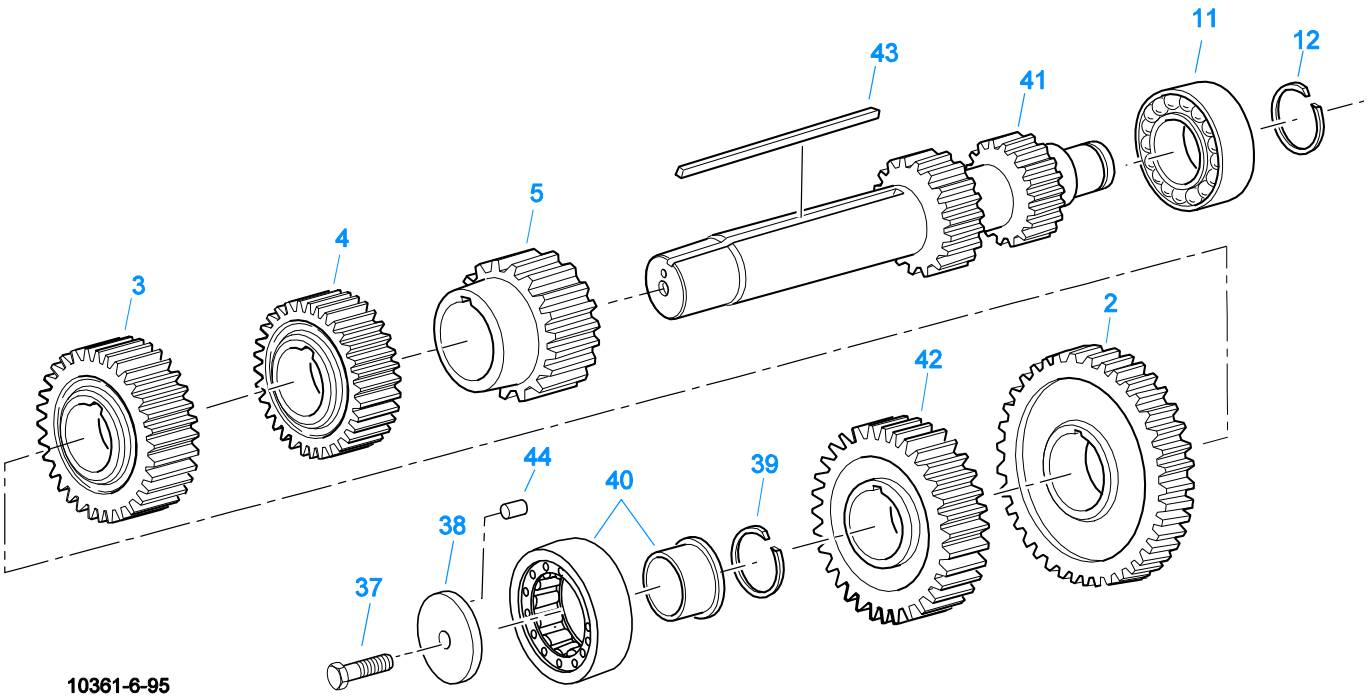
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
16	14994	FRONT BRG. COVER		1	2" PUSH	
16	15113	FRONT BRG. COVER		1	1-3/4" & 2" PUSH W/SEAL	
16	20549	FRONT BRG COVER		1	2" PUSH	
17	14311	GASKET		1		K-2199
18	12815	BUSHING		2	FOR #2 HOUSING UPPER	A-3713,A-3723,K-2468
18	12815	BUSHING		4	FOR #1 HOUSING UPPER	A-3713,A-3723,K-2468
18	8677	BUSHING		1	FOR #2 HOUSING UPPER	A-3713,A-3723
19	8677	BUSHING		2	FOR #1 AND #2 HOUSING LOWER	A-3713,A-3723
20	X-8C-830	HEX HEAD SCREW/WASHER ASSY	X-8C-826	2	.500-13 X 1.490	
20	X-8C-831	HEX HEAD SCREW/WASHER ASSY	X-8C-822	2	.500-13 X 3.460, USE ON HORIZONTAL CENTER LINE	
22	X-8-686	CAPSCREW		6	3/8"-16X3/4"	
23	14575	PTO COVER	4302254	1		
24	4305309	GASKET	1684	1		K-2199
27	14373	MAGNET		3		
28	14334	DOWEL		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"	
40	12581	OIL SEAL		1	USE W/15113 COVER ONLY	
41	16977	SEAL		1	2"	



10442-4/92 Aux CS

COUNTERSHAFT & BRGS(AUX)

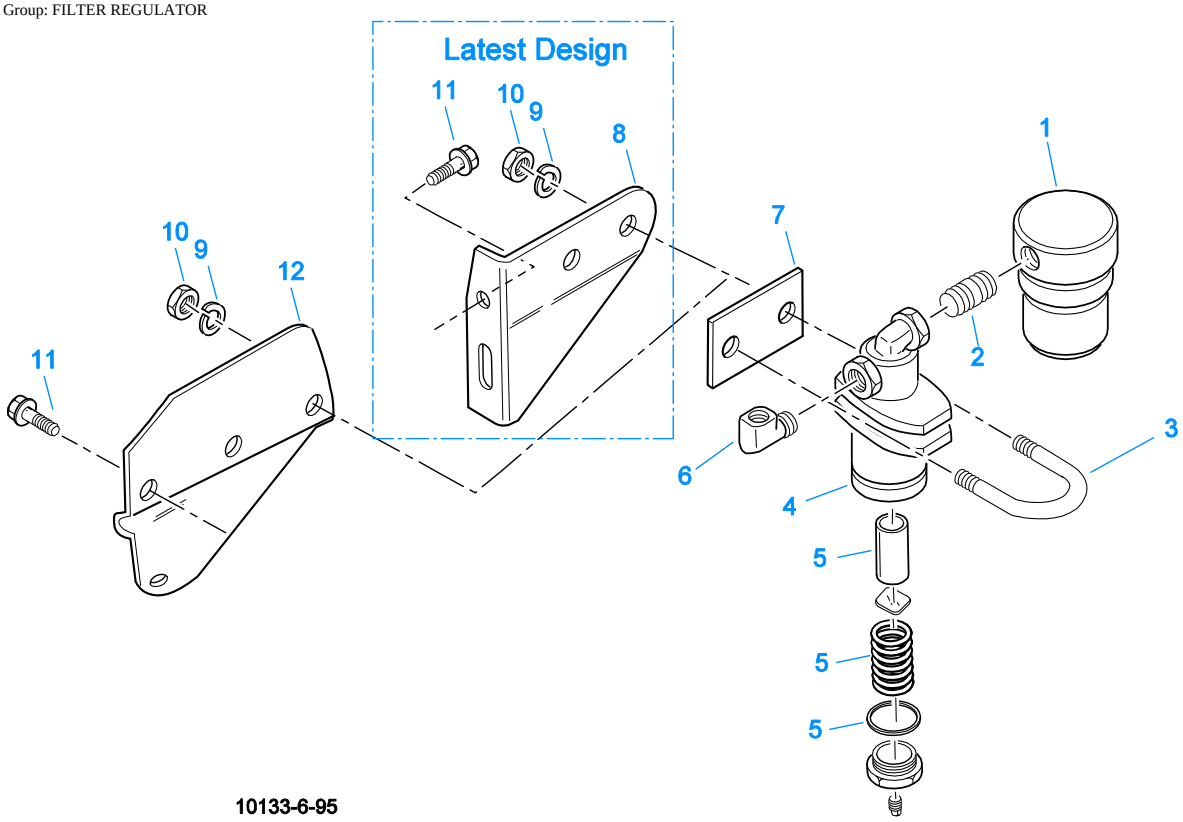
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	16780	BEARING		2	USE W/A-4250 COUNTERSHAFT	
1	8879	BEARING		2	USE W/A-4334 COUNTERSHAFT	K-1064,K-1861
2	A-4334	NO LONGER AVAILABLE		2	D/G 17215 - C/S 17543	
2	K-1008	NO LONGER AVAILABLE	A - 4250	2		
3	81012	BEARING		2		K-1064,K-1861
4	11364	SNAP RING		2		K-1064,K-1507,K-1861



COUNTERSHAFT ASSY

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
2	15953	PTO GEAR - LOWER		1		
2	16390	NO LONGER AVAILABLE		2	OPTIONAL IF PTO GEARS ARE NOT USED	
2	20840	PTO GEAR - UPPER	15952	1		
3	19568	NO LONGER AVAILABLE		2		
4	16944	3RD GEAR-CNTRSHFT		2		
5	16946	NO LONGER AVAILABLE		2		
11	14366	BEARING		2		K-1064,K-1861
12	14317	SNAP RING		2		K-1064,K-1507,K-1861
37	X-7-1005	CAPSCREW		2	5/8"-18X1-3/4"	
38	4304605	RETAINER	19548	2	ROLL PIN NO LONGER REQUIRED	K-1714
39	19198	SNAP RING		2		K-1714
40	4304599	BEARING	4302677 4304598	2		K-1714
41	K-2967	NO LONGER AVAILABLE	A - 4706	2	C/S 19550 - 1ST 16948	
42	19574	NO LONGER AVAILABLE		2		
43	19258	KEY		2		K-1714
44	62511	ROLL PIN		2		

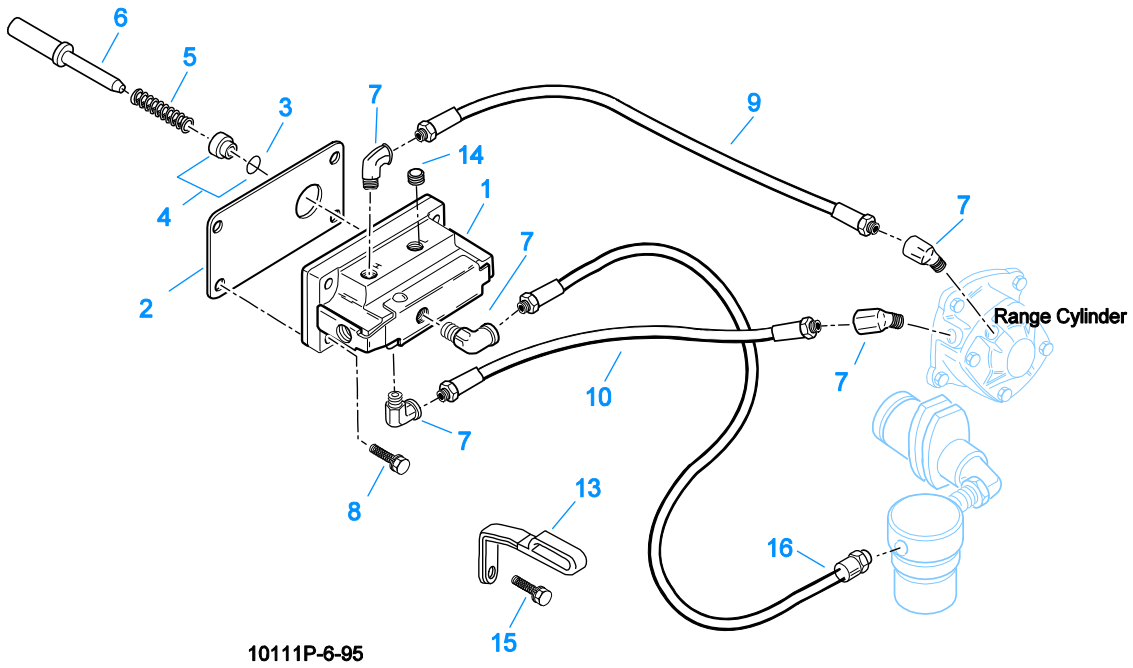
Group: FILTER REGULATOR



FILTER REGULATOR

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	16743	REGULATOR VALVE		1		
2	16741	NIPPLE		1	1/4"	
3	16742	U-BOLT		1	1/4"-20	
4	A-4041	NO LONGER AVAILABLE		1		
5	K-1486	REPAIR KIT-FILTER		1		
6	16865	STREET ELL		1		
7	18860	NO LONGER AVAILABLE		1		
8	17107	NO LONGER AVAILABLE		1		
9	X-3-400	LOCKWASHER		2	1/4"	
10	X-1-401	NUT		2	1/4"	
11	X-8L-601	CAPSCREW		2	3/8"-16X3/4"	
12	16744	BRACKET		1		

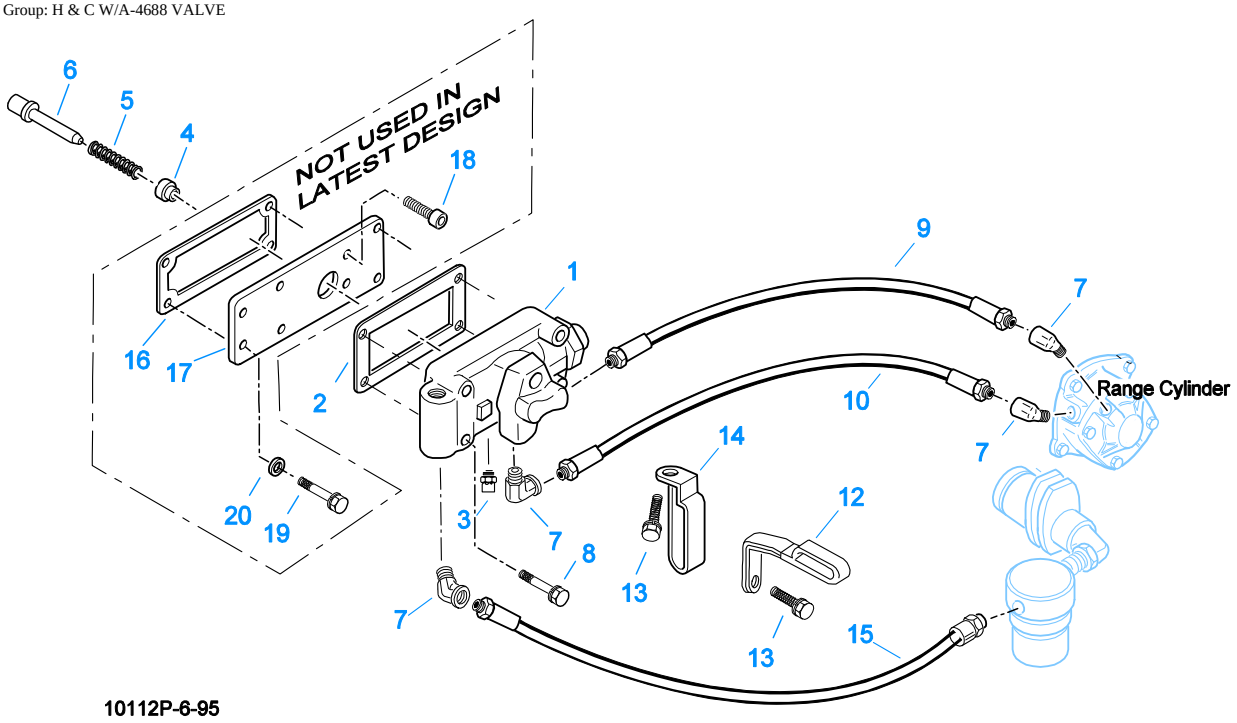
Group: H & C W/19470 VALVE



H & C W/19470 VALVE

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	K-2424	VALVE REPLACEMENT KIT	19470	1		
2	19481	GASKET		1		K-1963,K-2199,K-2424
3	19462	-O- RING	14033	1		A-4688,K-1699,K-1969
4	K-1969	SLEEVE KIT	14362 19460 ,21446	1	FOR SLAVE VALVES	K-1963
5	21268	SPRING	19572	1		K-1963
6	20490	PIN	19459	1		K-1963
7	12845	ELBOW		5	1/8"	K-1963
8	X-8C-401	CAPSCREW		4	1/4"-20X1-1/8"	
9	55522	HOSE ASSY		1	28"	
10	55524	HOSE ASSY		1	27"	
13	18769	HOSE CLAMP	12152	1		
14	X-12-208	PIPE PLUG		1	1/8" NPT	
15	X-8L-614	CAPSCREW		1	3/8"-16X2"	
16	55533	NO LONGER AVAILABLE		1	17-1/2"	

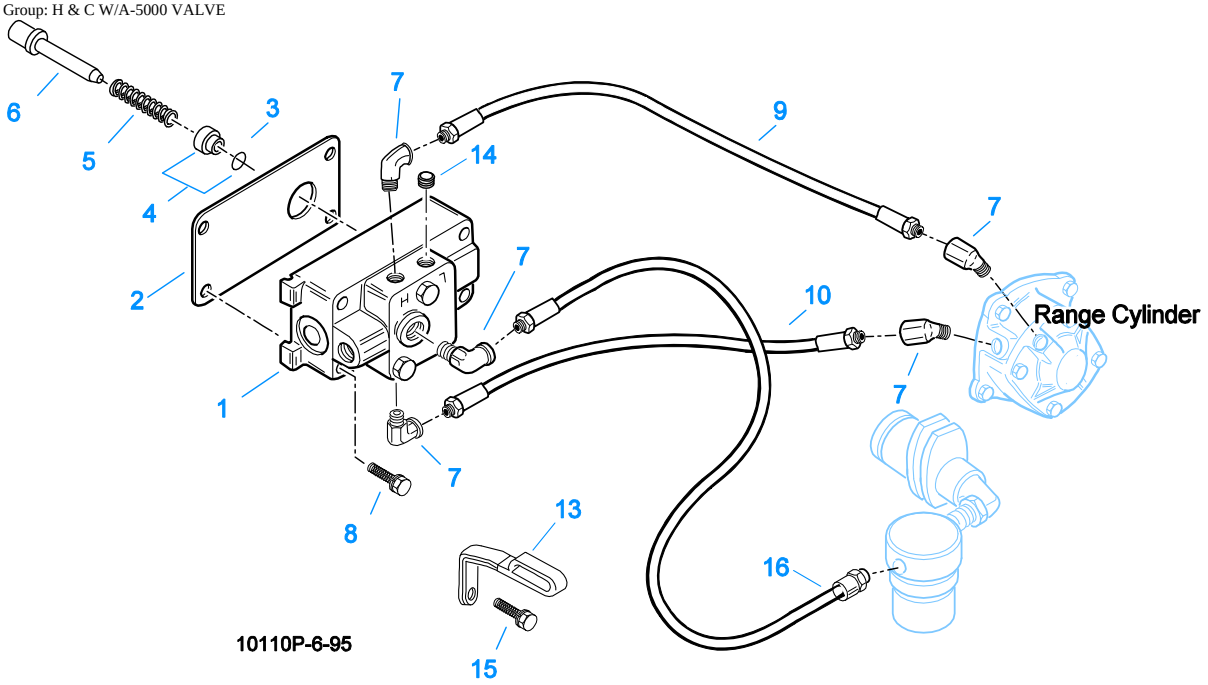
Group: H & C W/A-4688 VALVE



H & C W/A-4688 VALVE

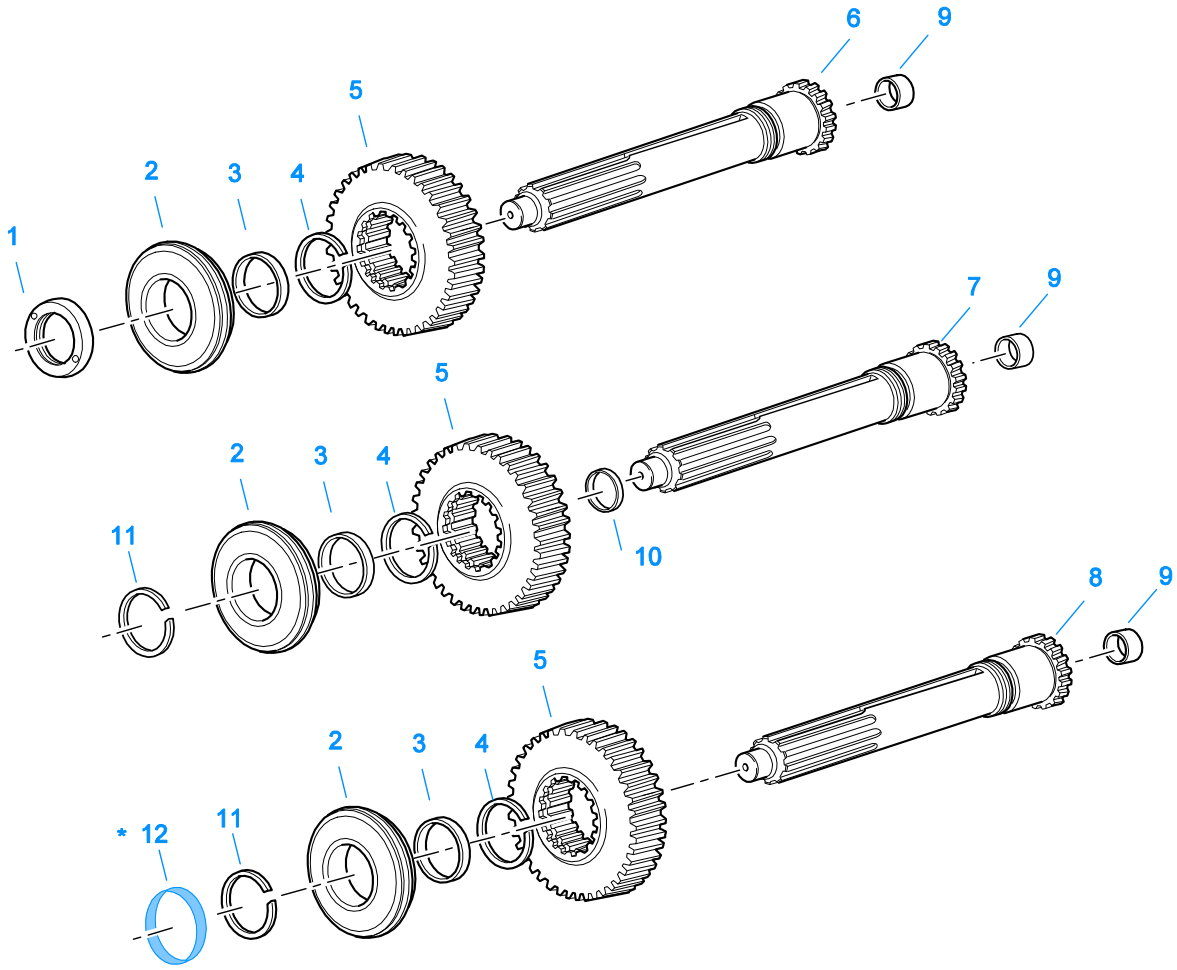
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	A-4688	SLAVE VALVE ASSY	15125 ,19464 ,A - 3991	1		
2	15758	GASKET		1		K-1699,K-2199
3	X2014210	BREATHER	7935	1		
4	K-1969	SLEEVE KIT	14362 19460 ,21446	1	FOR SLAVE VALVES	K-1963
5	6392	SPRING		1		K-1507,S-1219,S-1527,S-1528,S-1529,S-1531
6	14361	PIN		1		K-1507
7	12845	ELBOW		4	1/8"	K-1963
8	X-8L-411	CAPSCREW	X 8 411	4	1/4"-20X1-3/4"	
9	55526	HOSE ASSY		1	26"	
10	55523	HOSE ASSY		1	29"	
12	18769	HOSE CLAMP	12152	1		
13	X-8L-614	CAPSCREW		2	3/8"-16X2"	
14	16217	NO LONGER AVAILABLE		1		
15	55506	HOSE ASSY		1	18"	
16	14364	GASKET		1		K-2199
17	14786	NO LONGER AVAILABLE		1		
18	X-8-425	CAPSCREW		2	1/4"-20X5/8"	
19	X-8-410	CAPSCREW		2	1/4"-20X7/8"	
20	X-3-400	LOCKWASHER		2	1/4"	

Group: H & C W/A-5000 VALVE



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-1963,K-2424
2	19481	GASKET		1		K-1963,K-2199,K-2424
3	19462	-O- RING	14033	1		A-4688,K-1699,K-1969
4	K-1969	SLEEVE KIT	14362 19460 ,21446	1	FOR SLAVE VALVES	K-1963
5	21268	SPRING	19572	1		K-1963
6	20490	PIN	19459	1		K-1963
7	12845	ELBOW		5	1/8"	K-1963
8	X-8C-411	CAPSCREW		4	1/4"-20X1-3/4"	
9	55522	HOSE ASSY		1	28"	
10	55524	HOSE ASSY		1	27"	
13	18769	HOSE CLAMP	12152	1		
14	X-12-208	PIPE PLUG		1	1/8" NPT	
15	X-8L-614	CAPSCREW		1	3/8"-16X2"	
16	55533	NO LONGER AVAILABLE		1	17-1/2"	



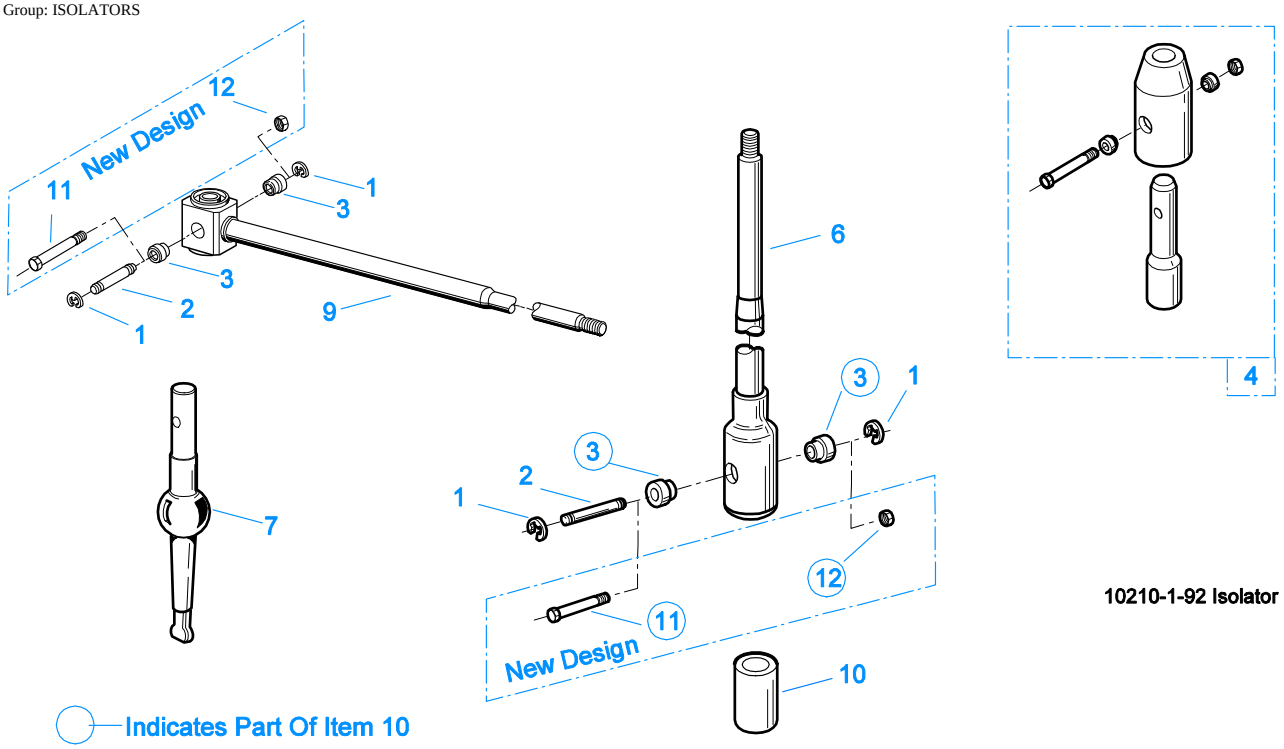
10372-5/93 IS (3)

* For Shipping Only -- Do Not Replace

INPUT SHAFT & DRIVE GEAR

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	8858	NUT		1	PUSH	
1	8997	NUT		1	PULL	K-1064
2	81504	BEARING		1		K-1064,K-1861,K-2468,K-4125
3	16463	SPACER		1		
4	14750	SNAP RING		1		K-1064,K-1507,K-1861,K-2468,K-4125
5	19573	NO LONGER AVAILABLE		1		
6	S-1128	INPUT SHAFT	16465	1	2" PULL - USE W/FBC 15111	K-1064
6	S-1129	INPUT SHAFT	16466	1	2" PUSH - USE W/FBC 14994	
7	S-1409	INPUT SHAFT	18837	1	2" PULL W/SEAL - USE W/FBC 18699	
8	S-1659	INPUT SHAFT	20535 23566 ,4302661	1	2" PULL - USE W/FBC 20550	K-2468,K-4125
8	S-1660	INPUT SHAFT	20536 ,23567	1	2" PUSH - USE W/FBC 20549	
9	16566	BUSHING		1		S-1128,S-1129,S-1409,S-1659,S-1660
10	16978	SLEEVE		1	2" W/SEAL	S-1409
11	16980	SNAP RING		1		K-2468,K-4125
12	23559	SHIPPING SEAL		1	NOT SOLD FOR SERVICE	

Group: ISOLATORS



10210-1-92 Isolator

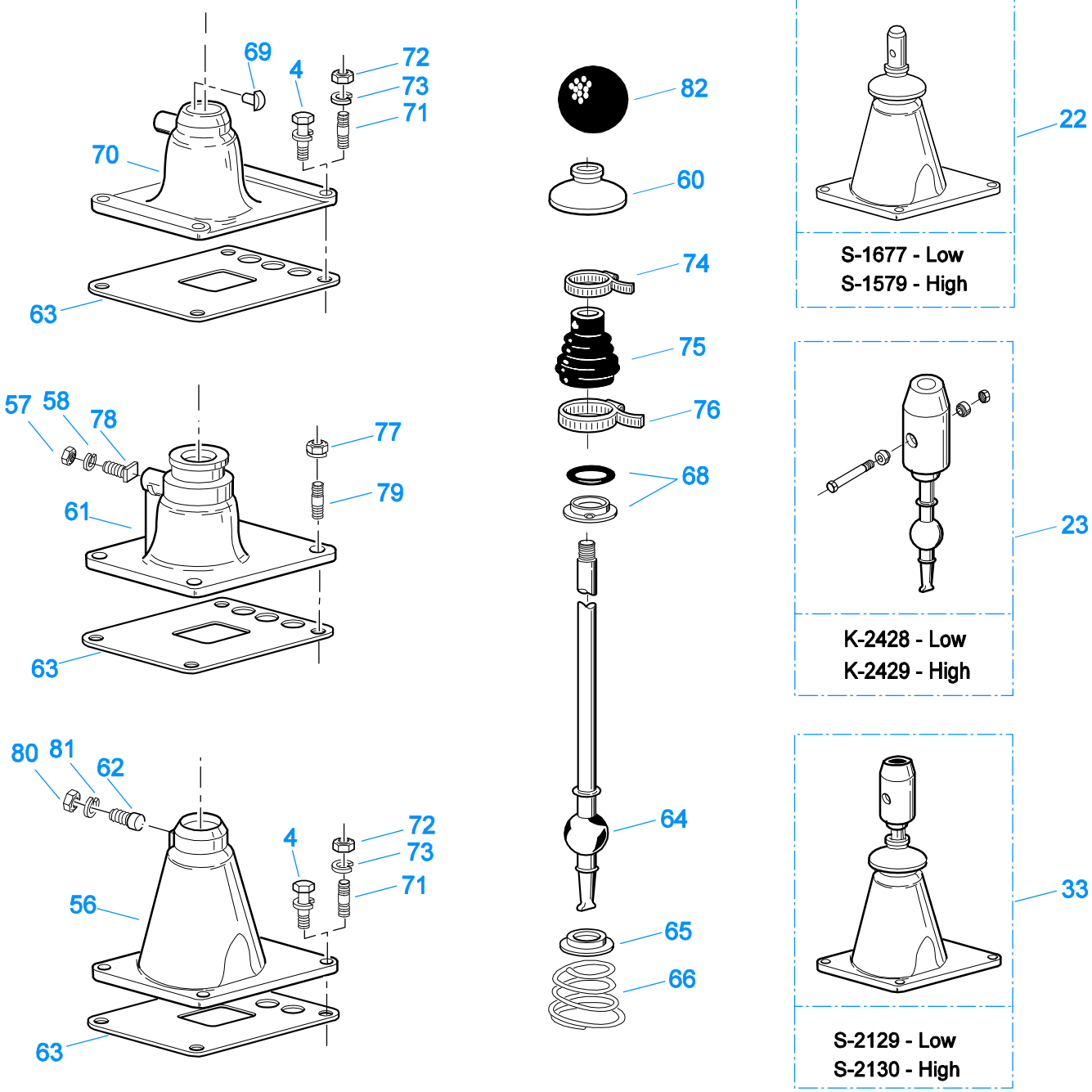
ISOLATORS

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-3399,S-2129,S-2130
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
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-1064	BASIC OVERHAUL KIT		1		
	K-1431	RANGE CYL-KIT		1		
	K-1450	-O- RING KIT-RANGE		1		K-1064,K-1861
	K-1476	SHIFT LEVER HSG	4530 ,17163 ,18298 ,4304905 ,A - 4437	1	LOW TOWER	
	K-1486	REPAIR KIT-FILTER		1		
	K-1507	SMALL PARTS KIT		1		
	K-1566	VALVE REPAIR KIT		1	FOR A-3546 VALVE	
	K-1613	CAP REPLACEMENT KIT	16429 ,18707	1	FOR A-4688 VALVE	
	K-1631	SHIFT LEVER HSG	14456 ,17168 ,4304327	1	LOW	
	K-1699	REPAIR KIT-SLAVE VALVE		1	FOR A-4688 VALVE	
	K-1702	OIL COOLER KIT		1		
	K-1706	PUMP INSTALLATION KIT		1		
	K-1711	COLLAR KIT	19404	1		
	K-1714	NO LONGER AVAILABLE		1	RTO	
	K-1847	REPL KIT-DRIVE GEAR	17214 ,20350	1		
	K-1861	BASIC REBUILD KIT		1		
	K-1921	MASTER VALVE REPAIR KIT		1	FOR A-6909 & A-5010 VALVES	
	K-1935	REPAIR KIT-SLAVE VALVE		1	FOR A-5000 VALVE	
	K-1956	COOLER INSTLN KIT		1		
	K-1963	VALVE CONVERSION KIT		1	CONVERTS A-4688 TO A-5000 VALVE	
	K-1969	SLEEVE KIT	14362 19460 ,21446	1	FOR SLAVE VALVES	K-1963
	K-2003	PIN & BUSHING KIT		1		
	K-2010	VALVE CONVERSION KIT		1	FOR A-5010 VALVE	
	K-2199	GASKET KIT		1		K-1064,K-1861
	K-2256	OIL SEAL KIT	14337 ,19109 ,21036	1		
	K-2262	OIL SEAL W/SLINGER	19109 ,20807 ,20808	1	"FOR MECHANICAL COVER"	
	K-2394	AIR SYSTEMS TOOL KIT		1		
	K-2424	VALVE REPLACEMENT KIT	19470	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-2957	COUNTERSHAFT REPL KIT	4300118	1		
	K-2973	SHIFT LEVER HSG KIT	17166 ,17167 ,4303050 ,4304910 ,K - 1630 K - 1941	1	HIGH TOWER	
	K-3399	ISOLATOR BUSHING KIT	21244 ,23311	1		
	K-3467	PIN REPLACEMENT KIT	21245	1		
	K-3491	SYNCHRONIZER KIT	K - 2445	1	LO RANGE / SMALL PIN	
	K-3492	SYNCHRONIZER KIT	K - 2446	1	LO RANGE / LARGE PIN	
	K-3494	SYNCHRONIZER REPLACEMENT KIT	K - 2448	1	SLIDING CLUTCH INCLUDED IN KIT	
	K-3651	OIL SEAL TOOL KIT		1		
	K-4125	CLUTCH INSTALLATION KIT (RT), HYDRAULIC RELEASE		1	STANDARD RT INPUT SHAFT AND YOKE FOR HYDRAULIC CLUTCH RELEASE	
	S-1128	INPUT SHAFT	16465	1	2" PULL	K-1064
	S-1129	INPUT SHAFT	16466	1	2" PUSH	
	S-1219	YOKE ASSY LOW-REV		1		
	S-1341	MAINSHAFT ASSY	16761 ,18729	1		
	S-1347	REAR HOUSING ASSY	17548 ,18736 ,18757 ,18784 ,19100	1		
	S-1404	OIL FILTER	17238	1		
	S-1409	INPUT SHAFT	18837	1	2" PULL W/SEAL	
	S-1440	SHIFT BAR HSG (STD)	15890 ,15928 ,16913 ,17115 ,17180 17182 ,17428 ,18571 ,18640	1	HOUSING ONLY	

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
			,18644 18840 ,18847 ,19448 ,19449 ,19453 19454 ,19455 ,19605 ,20074 ,20210 20211 ,21133 ,22955 ,S - 1360 ,S - 1364 S - 1376 ,S - 1377			
	S-1441	SHIFT BAR HSG (F)	15891 ,16340 ,16564 ,17114 ,17128 17181 ,17218 ,17492 ,17577 ,17900 18203 ,18436 ,18642 ,18646 ,18886 19159 ,19450 ,19451 ,19456 ,19457 19458 ,19717 ,19956 ,20072 ,20212 20213 ,21134 ,22956 ,S - 1106 ,S - 1361 S - 1370 ,S - 1374 ,S - 1375 ,S - 1378	1	HOUSING ONLY	
	S-1445	SHIFT BAR HSG (X)	18920 ,20135 ,20214 ,20215 ,20487 21135	1	HOUSING ONLY (X)	
	S-1446	SHIFT BAR HSG (XF)	18925 ,20136 ,20216 ,20217 ,20488 21136 ,S - 1361	1	HOUSING ONLY (XF)	
	S-1516	CAP ASSY	20851 ,20853	1		
	S-1527	SHIFT BAR HSG ASSY (X)	20215 ,21135	1	COMPLETE (X)	
	S-1528	SHIFT BAR HSG ASSY (XF)	20217 ,21136	1	COMPLETE (XF)	
	S-1529	SHIFT BAR HSG ASSY (F)	20213 ,22956	1	COMPLETE	
	S-1531	SHIFT BAR HSG ASSY (STD)	20211 ,22955	1	COMPLETE	
	S-1659	INPUT SHAFT	20535 23566 ,4302661	1	2" PULL - USE W/FBC 20550	K-2468,K-4125
	S-1660	INPUT SHAFT ASSY	20536 ,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-2151	REAR BRG COVER ASSY	S - 1429	1		
	S-2543	ROADRANGER VALVE ASSY	A - 5043	1	RT - W/SHIFT DIAGRAM MEDALLION	
	S-2544	ROADRANGER VALVE ASSY	A - 5045	1	RTO - W/SHIFT DIAGRAM MEDALLION	



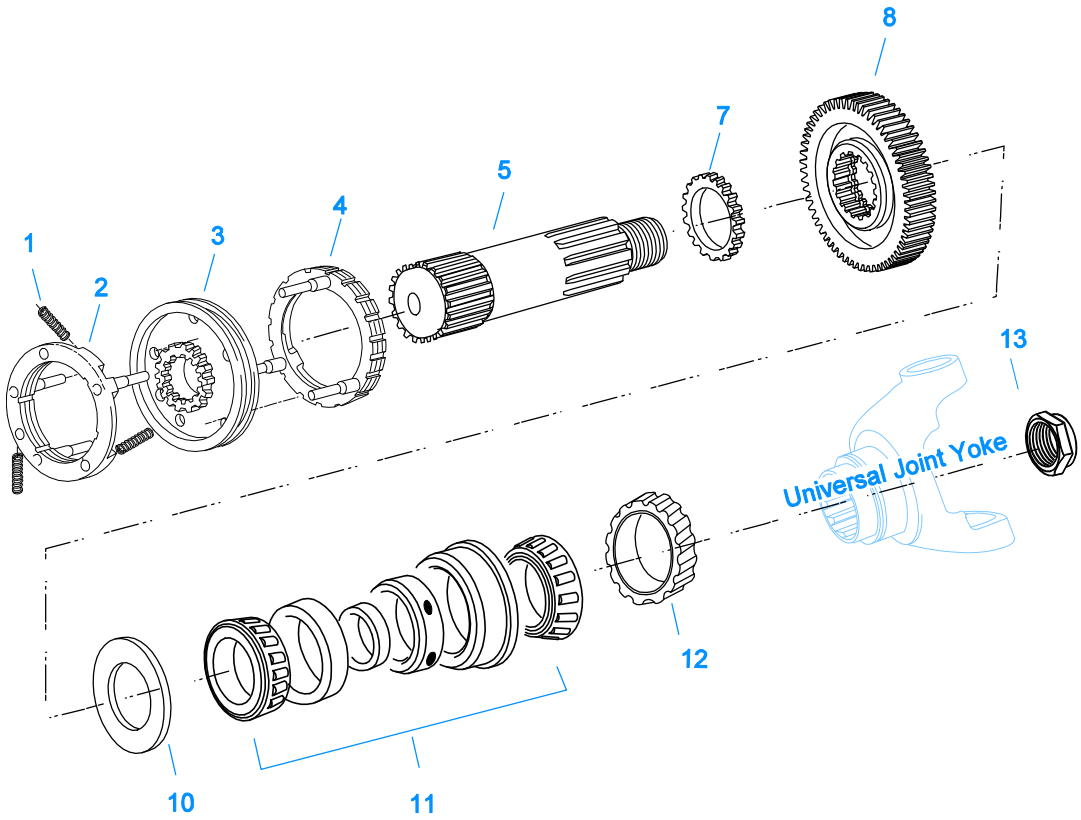
10203-6-94

LEVERS/HOUSINGS

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
4	X-8C-604	CAPSCREW		4	3/8"-16X1-1/4"	S-1445,S-1446,S-1527,S-1528,S-1529,S-1531
22	S-1579	SHIFT TOWER ASSY		1	HIGH TOWER	
22	S-1677	SHIFT TOWER ASSY		1	LOW TOWER	
23	K-2428	LEVER REPLACEMENT KIT		1	LOW TOWER	
23	K-2429	LEVER REPLACEMENT KIT		1	HIGH TOWER	
33	S-2129	SHIFT LEVER HSG ASSY		1	LOW TOWER	

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
33	S-2130	SHIFT LEVER HSG ASSY	S - 2053	1	HIGH TOWER	
56	K-2973	SHIFT LEVER HSG KIT	17166 ,17167 ,4303050 ,4304910 ,K - 1630 K - 1941	1	HIGH TOWER	
57	X-1-500	NUT		1	5/16"-24	
58	X-3-500	LOCKWASHER		1	5/16"	
60	10427	BOOT		1		K-1476,K-2973,S-1579,S-1677,S-2130
61	K-1627	NO LONGER AVAILABLE	14573 ,17164	1	HIGH	
61	K-1631	SHIFT LEVER HSG	14456 ,17168 ,4304327	1	LOW, USE W/14795 BOOT	
62	2271	NO LONGER AVAILABLE		1	5/16"	
62	6541	PIN		1	3/8"	
63	4305294	GASKET	4303431	1		K-1476,K-1631,K-1702,K-2199,K-2428,K-2429,K-2973,S-1527,S-1528,S-1529,S-1531,S-1579,S-1677,S-2129,S-2130
64	17600	GEAR SHIFT LEVER		1	STRAIGHT - LOW 21-1/2"	
64	17842	GEAR SHIFT LEVER		1	STD-HIGH 25.81"	
64	18482	GEAR SHIFT LEVER		1	STRAIGHT - HIGH 35"	
65	2538	RETAINER		1		K-1476,K-2973,S-1579,S-1677,S-2130
66	2536	SPRING		1		K-1476,K-2973,S-1579,S-1677,S-2130
68	K-3376	O-RING & WASHER KIT	4301211	1		
69	18299	PIN		1		K-1476,S-1677
70	K-1476	SHIFT LEVER HSG	4530 ,17163 ,18298 ,4304905 ,A - 4437	1	LOW TOWER	
71	11934	STUD	7467	4		
72	X-1-600	NUT		4	3/8"-24-N.F.PLAIN	
73	X-3-600	LOCKWASHER		4	3/8"	
74	14453	CLAMP		1		
75	14795	BOOT		1		
76	14454	CLAMP		1		
77	X-1-604	NUT		4	3/8"-24	
78	14461	PIN		1		
79	14236	NO LONGER AVAILABLE		4		
80	X-1-500	NUT		1	5/16"-24 - USE W/2271 PIN	
80	X-1-600	NUT		1	3/8"-24-N.F.PLAIN - USE W/6541 PIN	
81	X-3-500	LOCKWASHER		1	5/16" - USE W/2271 PIN	
81	X-3-600	LOCKWASHER		1	3/8" - USE W/6541 PIN	
82	1075	NO LONGER AVAILABLE		1	5/8"-11	
82	17560	LEVER GRIP		1	1/2"-13	

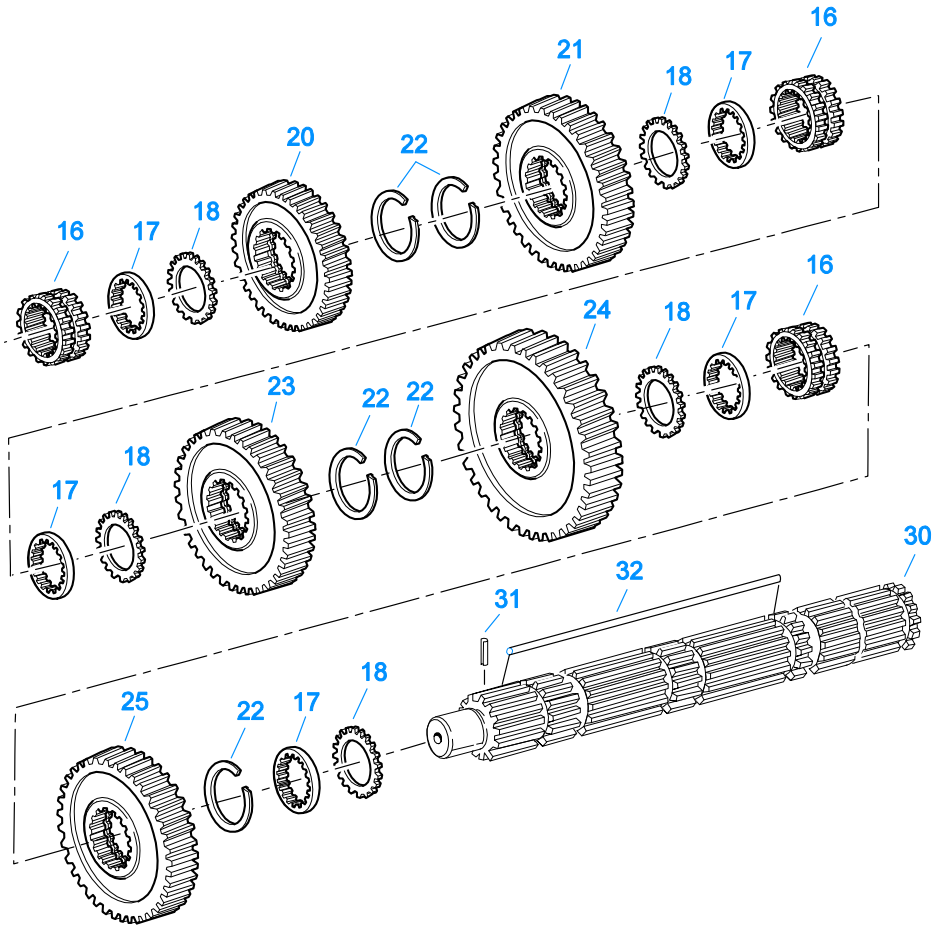
Group: MAINSHAFT & SYNCHRO(AUX)



10429-6-94 Aux MS

MAINSHAFT & SYNCHRO(AUX)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	14897	SPRING		3		K-1064,K-1507,K-1861,K-3491,K-3492,K-3494
2	A-7331	SYNCHRONIZER ASSY	4304396 4304397 A - 5917	1	HI RANGE	K-3491,K-3492,K-3494
3	20323	SLIDING CLUTCH		1	USE W/A-4937 OR A-5876	K-3494
4	A-6153	SYNCHRONIZER ASSY	A - 4416	1	LO RANGE - SMALL PIN	K-3491
4	A-7254	SYNCHRONIZER ASSEMBLY	A - 4937 A - 5876	1	LO RANGE - LARGE PIN	K-3492,K-3494
5	16785	NO LONGER AVAILABLE		1		
7	17213	SPACER		1		K-1507
8	17217	LO GEAR-MAINSHAFT		1		
10	17212	WASHER		1		K-1507
11	15260	BEARING		1		K-1064,K-1861
12	20191	ROTOR		1		
13	22254	NUT	11956	1		



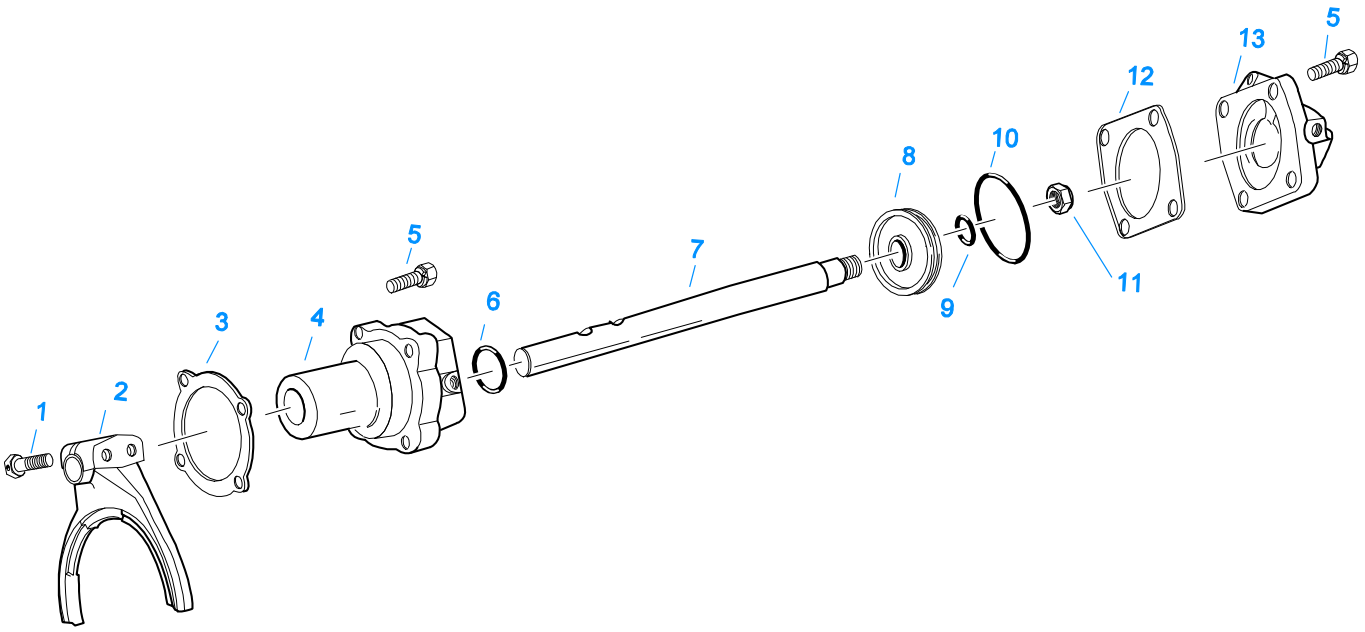
10334-6-95

MAINSHAFT ASSY

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
16	16118	SLIDING CLUTCH		3		K-1064
17	14711	WASHER .248-.250 WHITE	18701	5		K-1507
17	14712	WASHER .253-.255 GREEN	18702	5		K-1507
17	14713	WASHER .258-.260 ORANGE	18703	5		K-1507
17	14714	WASHER .263-.265 PURPLE	18704	5		
17	14715	WASHER .268-.270 YELLOW	18705	5		
17	14716	WASHER .273-.275 BLACK	18706	5		
18	14749	SPACER		5		K-1507
20	19567	NO LONGER AVAILABLE		1		
21	16943	3RD GEAR-MAINSHAFT		1		
22	14750	SNAP RING		5		K-1064,K-1507,K-1861,K-2468,K-4125
23	16945	2ND GEAR-MAINSHAFT		1		
24	16947	1ST GEAR-MAINSHAFT		1		
25	16949	REVERSE GEAR-MAINSHAFT		1		
30	S-1341	MAINSHAFT ASSY	16761 ,18729	1		
31	62504	ROLL PIN		1		S-1341
32	17109	HEX (6-SIDED) KEY		1	MUST USE MATCHING WASHERS	

MISCELLANEOUS

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
	18683	WARNING LABEL		1		
	19064	WARNING LABEL		1		
	20400	SHIFT DIAGRAM LABEL	19301	1	RT/RTX	
	20401	SHIFT DIAGRAM LABEL	19302 ,88536	1	RTO	
	71203	SILICONE LUBE		1	8 OZ (236.59 CC)-FLEET SIZE	
	71204	ADHESIVE SEALANT		1	0.5 CC (SINGLE APPLICATION SIZE)	K-1064
	71205	SEALANT		1	2 CC (SINGLE APPLICATION SIZE)	K-1064,K-1702
	71206	SILICONE LUBE		1	4 CC (SINGLE APPLICATION SIZE)	K-1431,K-1450,K-1566,K-1699,K-2428,K-2429

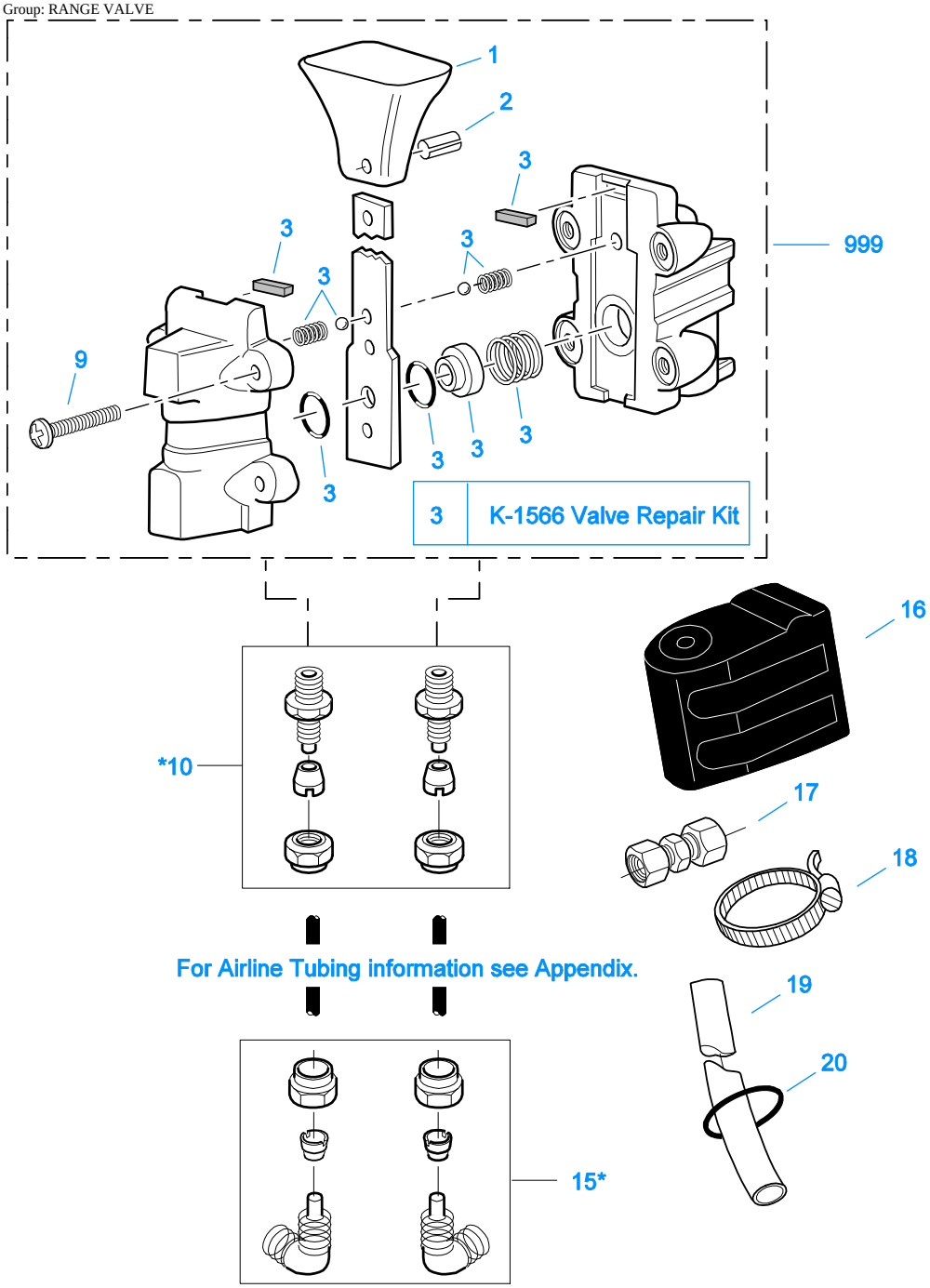


10462-4/92 Rng Cyl

RANGE CYLINDER

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	X-7-809	BOLT	X 7 810 ,X 7 811	2	1/2"-20X1-3/4"	
2	22823	SHIFT YOKE	16775	1		
3	14347	GASKET		1		K-1431,K-2199
4	16778	AUXILIARY CYLINDER		1		K-1431
5	X-8L-604	CAPSCREW		8	3/8"-16X1-1/4"	
6	14765	-O- RING		1		K-1431,K-1450
7	17211	NO LONGER AVAILABLE		1		
8	14341	PISTON	23353	1		K-1431
9	14345	-O- RING		1		K-1431,K-1450
10	14344	-O- RING		1		K-1431,K-1450
11	X-1-1010	NUT		1	5/8"-18	
12	14349	GASKET		1		K-1431,K-1450,K-2199
13	14799	NO LONGER AVAILABLE		1		

Group: RANGE VALVE



*For Connector and Elbow Assy component information see Appendix

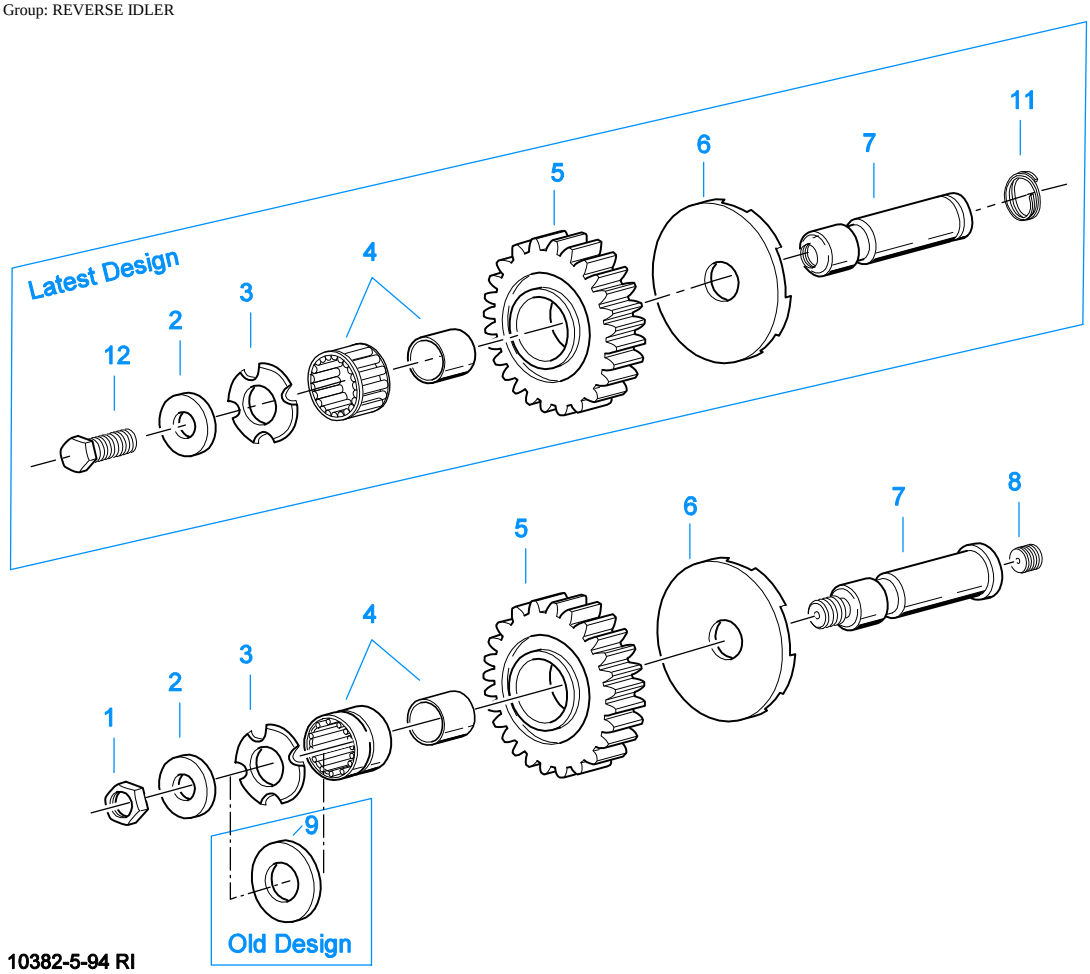
10099-5/93 AV

RANGE VALVE

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	15120	KNOB		1		A-3546
2	62512	ROLL PIN		1		A-3546
3	K-1566	VALVE REPAIR KIT		1	FOR A-3546 VALVE	
9	X-13-214	SCREW		4	8-32X3/4"	
10	84002	CONNECTOR ASSY	82502	2	1/8"TUBE-1/8"NPTF	K-1064,K-1963
10	84004	CONNECTOR ASSY	82504	2	5/32"TUBE-1/8"NPTF	
10	84006	CONNECTOR ASSY		2	"PUSH-TO-CONNECT" 5/32"TUBE-	K-2010

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
					1/8"NPTF	
15	85001	ELBOW ASSY	84501	2	5/32"TUBE-1/8"NPTF	
15	85002	ELBOW ASSY	84502	2	1/8"TUBE-1/8"NPTF	K-1064,K-1963
15	85003	ELBOW ASSY		2	"PUSH-TO-CONNECT" 5/32"TUBE-1/8"NPTF	K-2010
16	18905	NO LONGER AVAILABLE		1		
17	84101	UNION ASSY		1	1/8" TUBING	
17	84102	UNION ASSY		1	5/32" TUBING	
17	84103	UNION ASSY		1	"PUSH-TO-CONNECT" 5/32" TUBING	K-2010
18	14441	CLAMP	14465	1		
19	80120	SHEATHING (50 FT ROLL)		1	5/32" - BLACK 50'	
20	13571	-O- RING CLAMP		2		
999	A-3546	RANGE VALVE ASSY	18268 ,18269 ,18272	1		

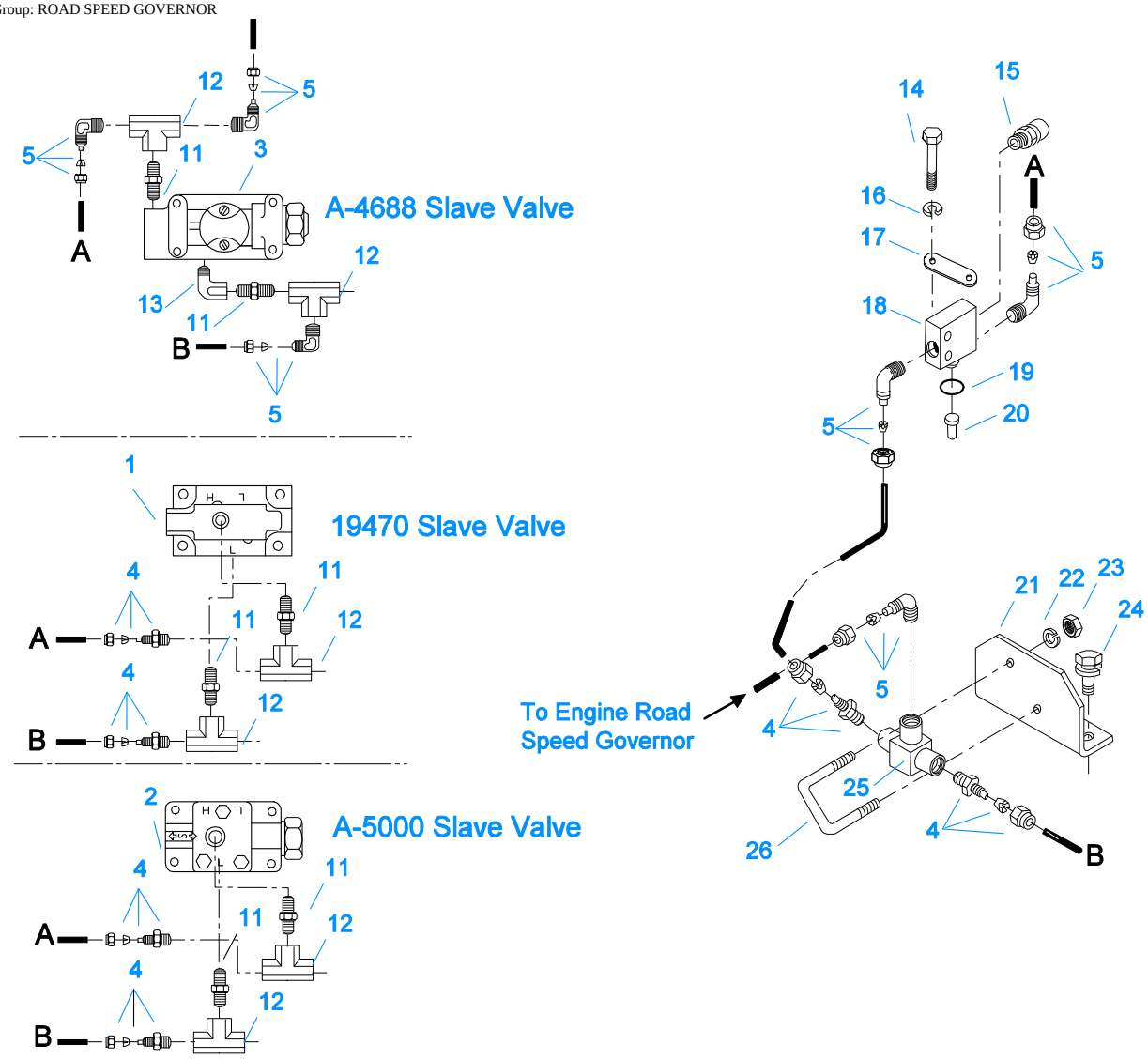
Group: REVERSE IDLER



REVERSE IDLER

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	X-1-1008	NUT		2	5/8"-18	
2	14283	WASHER		2		K-3216
3	4302982	WASHER	14282	2		K-3216
4	14287	BEARING	4305020	2		K-1064,K-1861
5	16953	IDLER GEAR		2		
6	16404	WASHER		2		K-3216
7	K-3216	NO LONGER AVAILABLE	4302981	2		
8	5202	PLUG		2		
9	14282	NO LONGER AVAILABLE		2		
11	4303336	RETAINING RING		2		K-3216
12	X-7-1008	CAPSCREW		2	5/8"-18X1-1/4	

Group: ROAD SPEED GOVERNOR

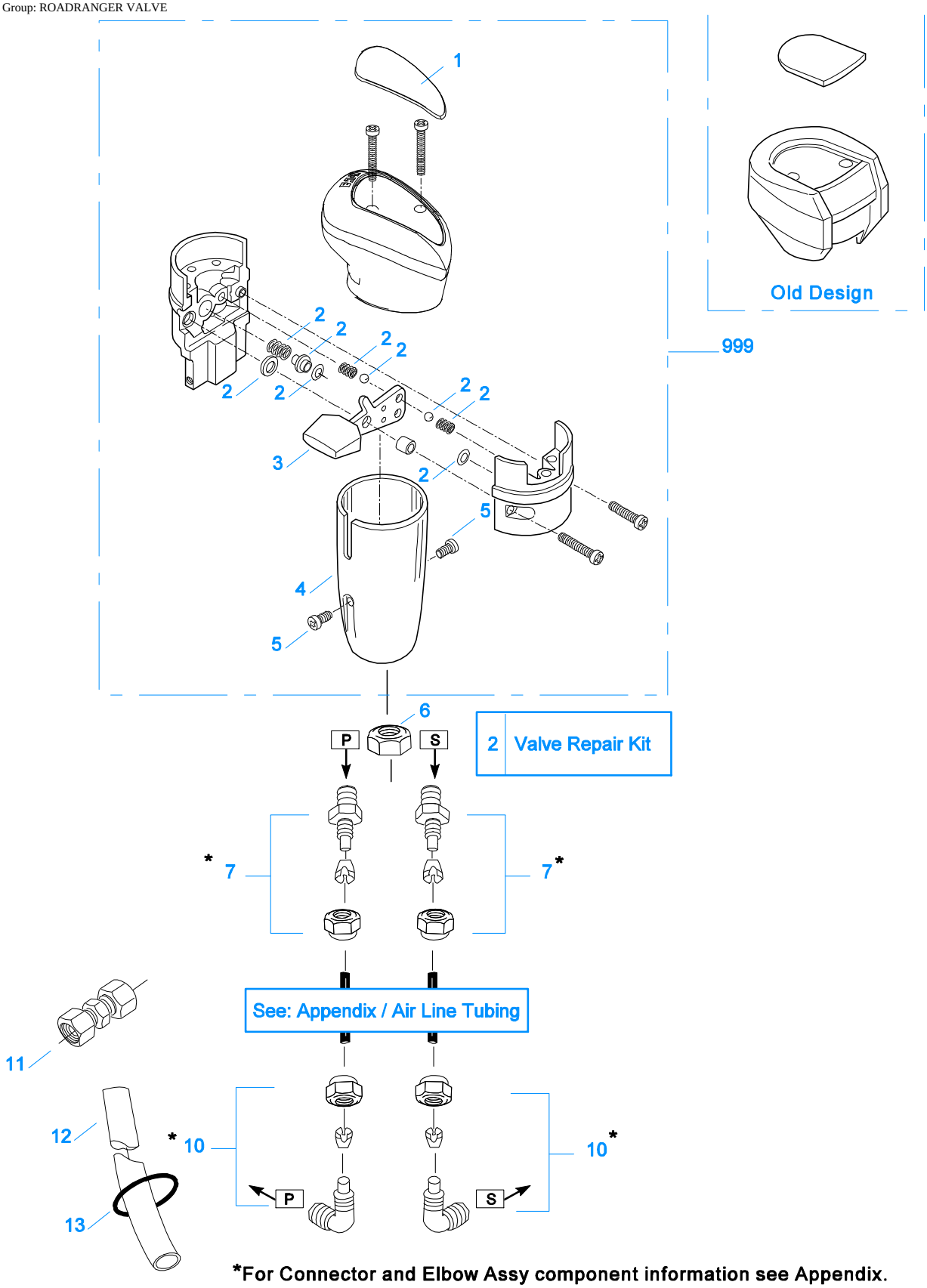


10501-6-94 HC/RSG

ROAD SPEED GOVERNOR

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	K-2424	VALVE REPLACEMENT KIT	19470	1		
2	A-5000	SLAVE VALVE ASSY	20850	1		K-1963,K-2424
3	A-4688	SLAVE VALVE ASSY	15125 ,19464 ,A - 3991	1		
4	84002	CONNECTOR ASSY	82502	4	1/8"TUBE-1/8"NPTF	K-1064,K-1963
4	84004	CONNECTOR ASSY	82504	4	5/32"TUBE-1/8"NPTF	
4	84006	CONNECTOR ASSY		4	"PUSH-TO-CONNECT" 5/32"TUBE-1/8"NPTF	K-2010
5	85001	ELBOW ASSY	84501	6	5/32"TUBE-1/8"NPTF	
5	85002	ELBOW ASSY	84502	6	1/8"TUBE-1/8"NPTF	K-1064,K-1963
5	85003	ELBOW ASSY		6	"PUSH-TO-CONNECT" 5/32"TUBE-1/8"NPTF	K-2010
11	12769	NIPPLE		2	1/8"	K-1963
12	12881	TEE		2	1/8"	K-1963
13	12845	ELBOW		1	1/8"	K-1963
14	X-8-434	CAPSCREW		2	1/4"-20X2"	
15	7935	BREATHER		1		
16	X-3-400	LOCKWASHER		2	1/4"	
17	20199	PLATE	18724	1		S-1440,S-1441,S-1445,S-1446,S-1527,S-1528,S-1529,S-1531

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
18	18734	VALVE		1		
19	18656	NO LONGER AVAILABLE		1		
20	15899	PIN		1	RT-RTF-RTO-RTOF	S-1440,S-1441,S-1445,S-1446,S-1527,S-1528,S-1529,S-1531
20	20119	PIN		1	RTX-RTXF	
21	18685	NO LONGER AVAILABLE		1		
22	X-3-305	LOCKWASHER		2	#10	
23	X-1-250	NO LONGER AVAILABLE		2	#10-32	
24	X-8L-602	CAPSCREW		2	3/8"-16X1-1/2"	
25	18675	VALVE		1		
26	18684	NO LONGER AVAILABLE		1		



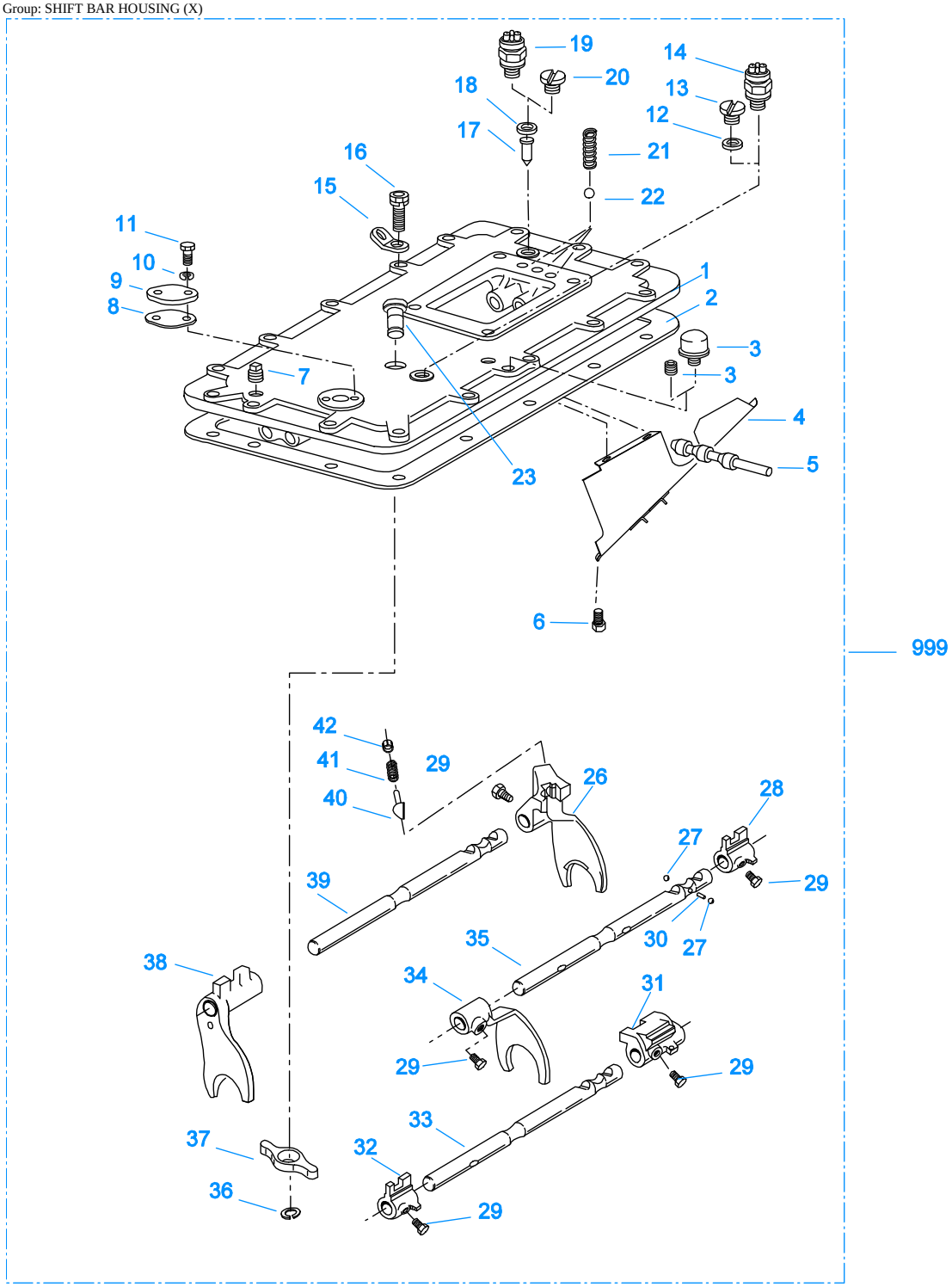
*For Connector and Elbow Assy component information see Appendix.

10100A-3-97 RRV-2

ROADRANGER VALVE

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	20107	MEDALLION, LOGO		1	(OLD DESIGN) FULLER LOGO ONLY	
1	5586100	MEDALLION, LOGO		1	(LATEST DESIGN) FULLER LOGO ONLY	A-6909
1	5586106	SHIFT DIAGRAM MEDALLION		1	RT	S-2543
1	5586107	SHIFT DIAGRAM MEDALLION		1	RTO	S-2544
2	K-1921	MASTER VALVE REPAIR KIT		1	FOR A-6909 & A-5010 VALVES	
3	20495	LEVER		1		A-6909
4	20112	COVER		1		A-6909
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	2	1/8"TUBE-1/16"NPTF	
7	84003	CONNECTOR ASSY	82503	2	5/32"TUBE-1/16"NPTF	
7	84005	CONNECTOR ASSY		2	"PUSH-TO-CONNECT" 5/32"TUBE-1/16"NPTF	K-2010
10	85001	ELBOW ASSY	84501	2	5/32"TUBE-1/8"NPTF	
10	85002	ELBOW ASSY	84502	2	1/8"TUBE-1/8"NPTF	K-1064,K-1963
10	85003	ELBOW ASSY		2	"PUSH-TO-CONNECT" 5/32"TUBE-1/8"NPTF	K-2010
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	K-2010
12	80120	SHEATHING (50 FT ROLL)		1	5/32" - BLACK 50'	
13	13571	-O- RING CLAMP		1		
999	A-6909	ROADRANGER VALVE ASSY	A - 5010 A - 5310	1	STANDARD-W/LOGO	K-2010
999	S-2543	ROADRANGER VALVE ASSY	A - 5043	1	RT - W/SHIFT DIAGRAM MEDALLION	
999	S-2544	ROADRANGER VALVE ASSY	A - 5045	1	RTO - W/SHIFT DIAGRAM MEDALLION	

Group: SHIFT BAR HOUSING (X)



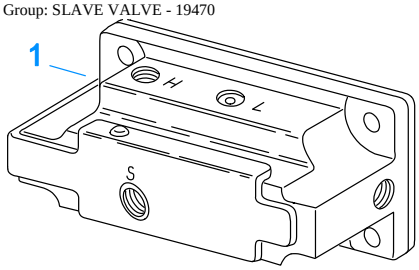
10244-11-96 X-Bar

SHIFT BAR HOUSING (X)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-1445	SHIFT BAR HSG (X)	18920 ,20135 ,20214 ,20215 ,20487 21135	1	HOUSING ONLY (X)	
2	4302676	GASKET	14918	1		K-1702,K-2199,S-1527,S-1528,S-1529,S-1531
3	4304602	BREATHER	23605	1	1/4" NPT	K-1702
3	X-12-404	PIPE PLUG		1	1/4" NPT	

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
4	20070	OIL TROUGH		1		S-1527,S-1528,S-1529,S-1531
5	20332	AIR VALVE SHAFT	17177	1		S-1527,S-1528,S-1529,S-1531
6	X-8-423	CAPSCREW		2	1/4"-20X1/2"	
7	X-12-603	PIPE PLUG	X12 602	1	3/8" NPT	
8	20209	GASKET		1		S-1440,S-1441,S-1445,S-1446,S-1527,S-1528,S-1529,S-1531
9	20199	PLATE	18724	1		S-1440,S-1441,S-1445,S-1446,S-1527,S-1528,S-1529,S-1531
10	X-3-400	LOCKWASHER		2	1/4"	
11	X-8-406	CAPSCREW		2	1/4"-20X3/4"	
12	17179	GASKET		1		S-1440,S-1441,S-1445,S-1446,S-1527,S-1528,S-1529,S-1531
13	4303655	PLUG	17178	1		S-1440,S-1441,S-1445,S-1446,S-1527,S-1528,S-1529,S-1531
14	22941	NEUTRAL LIGHT SWITCH	12639	1	SWITCH NORMALLY CLOSED	
15	20815	LIFTING EYE	17105	2		
16	X-8L-602	CAPSCREW		2	3/8"-16X1-1/2" USE W/20815 LIFTING EYES	
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-1440,S-1441,S-1445,S-1446,S-1527,S-1528,S-1529,S-1531
18	15900	GASKET		1		S-1440,S-1441,S-1445,S-1446,S-1527,S-1528,S-1529,S-1531
19	22940	REVERSE LIGHT SWITCH	16830	1	SWITCH NORMALLY OPEN	
20	4303656	PLUG	15917	1		S-1440,S-1441,S-1445,S-1446,S-1527,S-1528,S-1529,S-1531
21	15918	SPRING		3		K-1064,K-1507,S-1527,S-1528,S-1529,S-1531
22	X-14-800	STEEL BALL		3	1/2"	
23	K-3104	ACTUATOR PIN KIT	4303287	1		
26	16131	SHIFT YOKE		1	REVERSE/LO	S-1219,S-1527,S-1531
27	X-14-1200	STEEL BALL		2	3/4"	
28	14658	SHIFT BLOCK		1	1ST/2ND	S-1527,S-1531
29	3220	LOCKSCREW		5		S-1527,S-1528,S-1529,S-1531
30	1634	INTERLOCK PIN		1		K-1507,S-1527,S-1528,S-1529,S-1531
31	19063	SHIFT BLOCK		1	3RD/OD	S-1527
32	20120	SHIFT BLOCK	18924	1	3RD/OD	S-1527,S-1528
33	18928	YOKE BAR	4302760	1	3RD/OD	S-1527
33	20117	YOKE BAR		1	3RD/OD - W/ROAD SPEED GOVERNOR	
34	18922	SHIFT YOKE		1	1ST/2ND	S-1527,S-1528
35	18927	YOKE BAR		1	1ST/2ND	S-1527
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	18926	YOKE BAR		1	REVERSE/LO	S-1527
40	10019	PLUNGER		1		S-1219,S-1527,S-1528,S-1529,S-1531
41	6392	SPRING		1		K-1507,S-1219,S-1527,S-1528,S-1529,S-1531
42	8968	PLUG		1		S-1219,S-1527,S-1528,S-1529,S-1531
999	S-1527	SHIFT BAR HSG ASSY (X)	20215 ,21135	1	COMPLETE	

Group: SLAVE VALVE - 19470

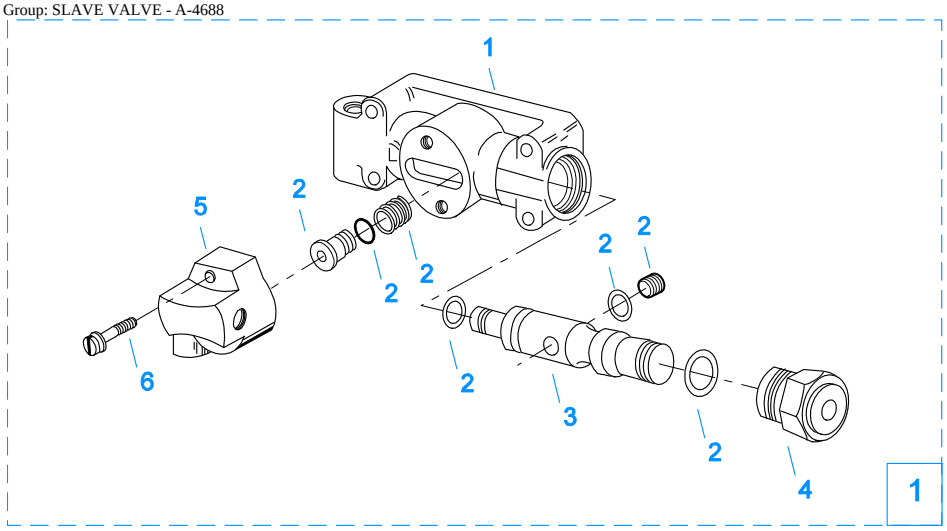


10121-1/92 19470 SV

SLAVE VALVE - 19470

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	K-2424	VALVE REPLACEMENT KIT	19470	1		

Group: SLAVE VALVE - A-4688

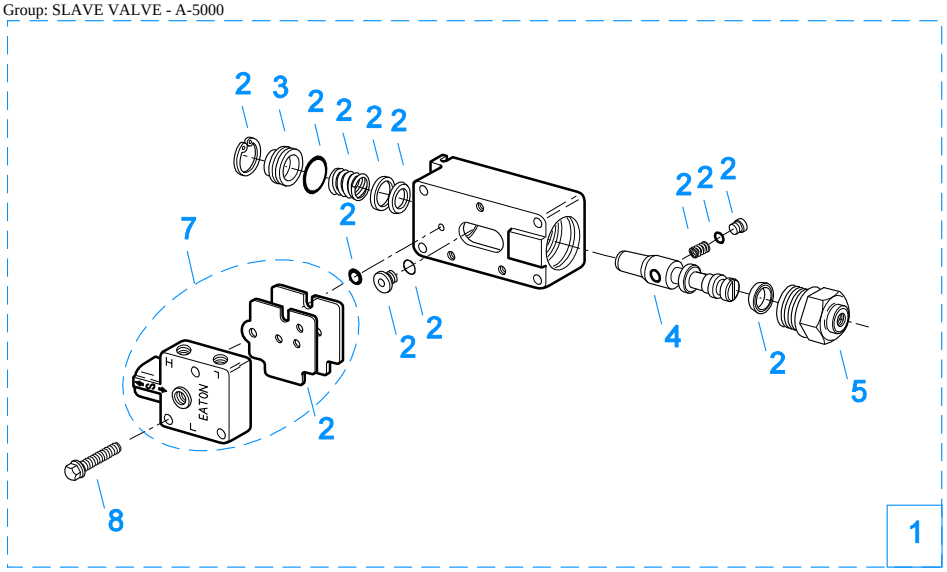


10123-5/93 A-4688

SLAVE VALVE - A-4688

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	A-4688	SLAVE VALVE ASSY	15125 ,19464 ,A - 3991	1		
2	K-1699	REPAIR KIT-SLAVE VALVE		1	FOR A-4688 VALVE	
3	19463	PISTON	15126	1		A-4688
4	20849	CAP	15131	1		A-4688,A-5000
5	K-1613	CAP REPLACEMENT KIT	16429 ,18707	1	FOR A-4688 VALVE	
6	X-8S-401	CAPSCREW		2	1/4"-20X1-1/8"	

Group: SLAVE VALVE - A-5000



2	Repair Kit

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-1963,K-2424
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-4688,A-5000
7	S-1516	CAP ASSY	20851 ,20853	1		
8	X-8C-413	CAPSCREW		3	1/4"-20X1-1/2"	