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Illustrated Parts List

RTF-8608L
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

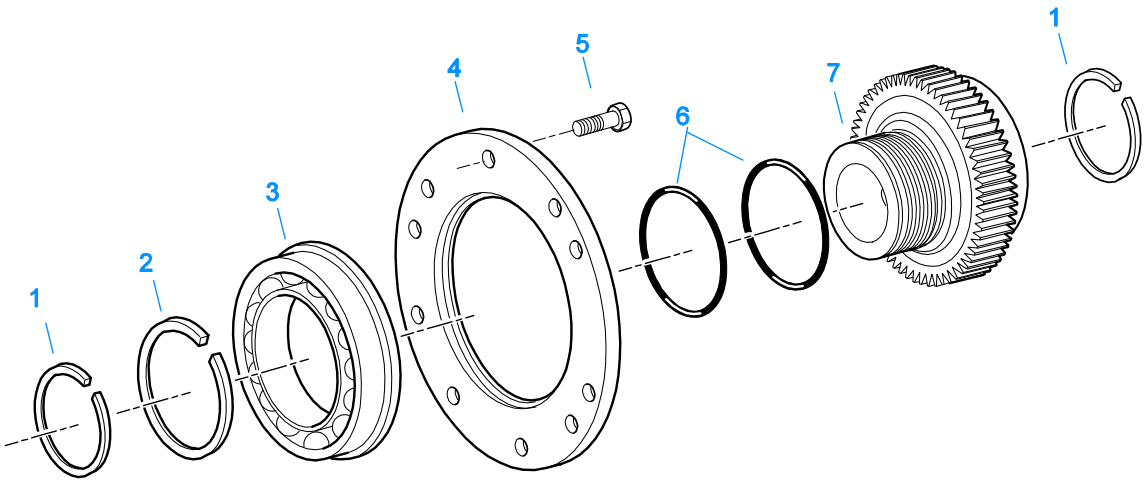
- Illustrations show parts in assembly groups.
- Item numbers on illustrations correspond with parts listings on pages adjacent to the illustration.
- Notes are included on illustrations where additional information is needed.

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**

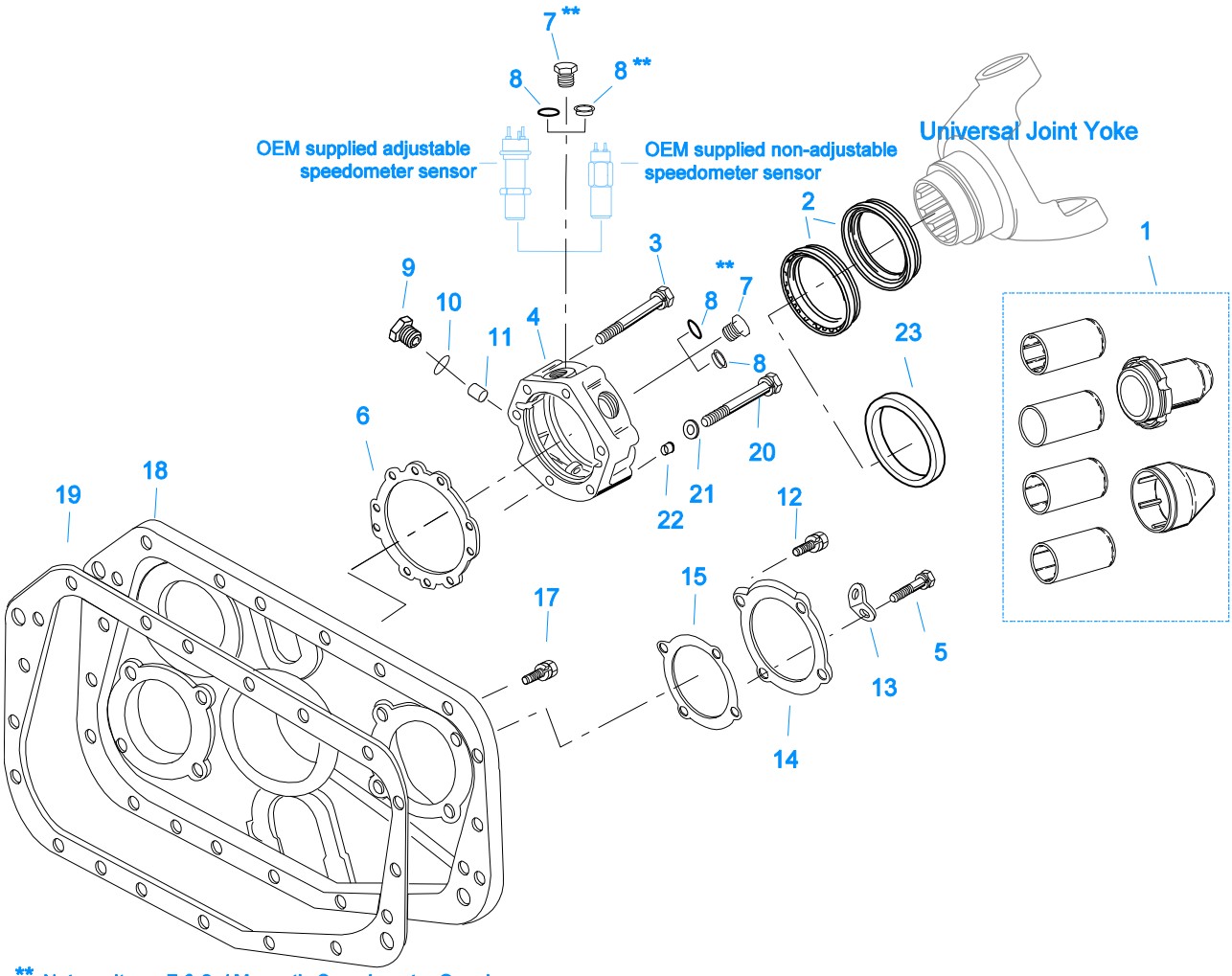
Group: AUXILIARY DRIVE GEAR



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-1790,K-2283,K-2345,K-2761
2	16628	SNAP RING		1		K-1790
3	5566507-BOX	BEARING	5566504,5566507	1		K-2283,K-2345,K-2761
4	16138	BEARING RETAINER		1		
5	X-8-645	CAPSCREW	X 8 612	6	3/8"-16X1"	
6	17453	-O- RING		2		K-2283,K-2311,K-2345,K-2761
7	K-2311	REPL KIT-DRIVE GEAR	19275 ,4300466	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

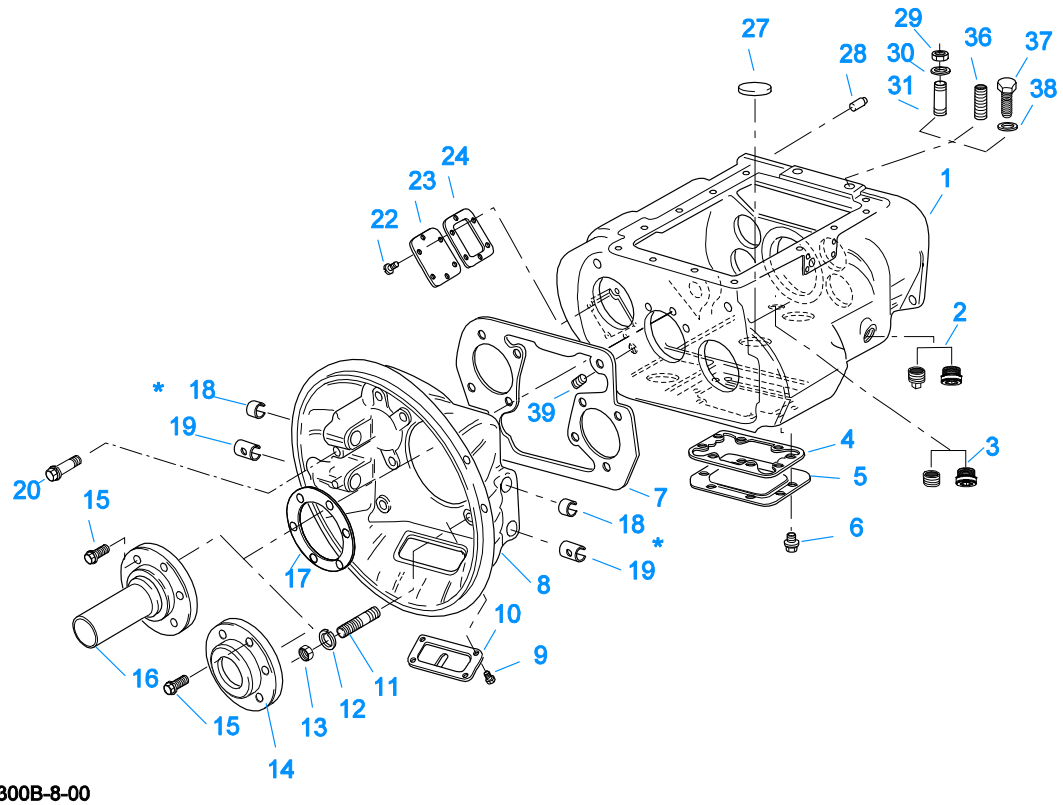
10409-5-94 Aux Case

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" - USE W/S-2136 COVER	
3	X-8L-616	CAPSCREW	X 8 616	5	3/8"-16X2-3/4" - USE W/S-2149 COVER	
4	S-2136	REAR BRG COVER ASSY	21950 ,22040 ,22041 ,22042 ,4302006 4302007 ,S - 1563	1	EXTENDED	
4	S-2149	REAR BRG COVER ASSY	20208 ,21062	1		
5	X-8L-600	CAPSCREW		2	3/8"-16X1" - USE WITH 20815 LIFTING EYES	
6	15532	GASKET		1		K-1603,K-2199,K-2256,K-2262,S-2136,S-2149
7	20224	PLUG-MAGNETIC		2		S-1944,S-2136,S-2149
8	13679	-O- RING		1	USE W/OEM SUPPLIED ADJUSTABLE SPEEDOMETER SENSOR NOT TO BE USED WITH 4301954 SEAL	

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
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-2136,S-2149
9	20226	PLUG-MECHANICAL	2237	1		S-1944,S-2136,S-2149
10	14142	-O- RING		1		S-1944,S-2136,S-2149
11	7992	BUSHING		1		S-2136,S-2149
12	X-8-686	CAPSCREW		6	3/8"-16X3/4"	
13	20815	LIFTING EYE	17105	2		
14	16724	REAR BRG COVER		2		
15	17097	GASKET		2		K-1603,K-2199
17	X-8L-609	CAPSCREW		14	3/8"-16X1-3/4"	
17	X-8L-614	CAPSCREW		5	3/8"-16X2"	
18	19468	REAR HOUSING	16912	1	USE W/OIL COOLER	
18	19469	REAR HOUSING	19465	1		
19	14335	GASKET		1		K-1603,K-2199,S-1944
20	X-8-681	CAPSCREW		1	3/8"-16X2-3/4" - USE W/S-2149 COVER	
20	X-8-682	CAPSCREW		1	3/8"-16X3" - USE W/S-2136 COVER	
21	17106	GASKET		1		K-2199,K-2256,K-2262,S-2136,S-2149
22	19709	COLLAR		1		K-1603,K-2199,K-2256,K-2262,S-2136,S-2149
23	K-2262	OIL SEAL W/SLINGER	19109 ,20807 ,20808	1	"FOR MECHANICAL COVER"	

Group: CASE (FRONT)



10300B-8-00

* 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.

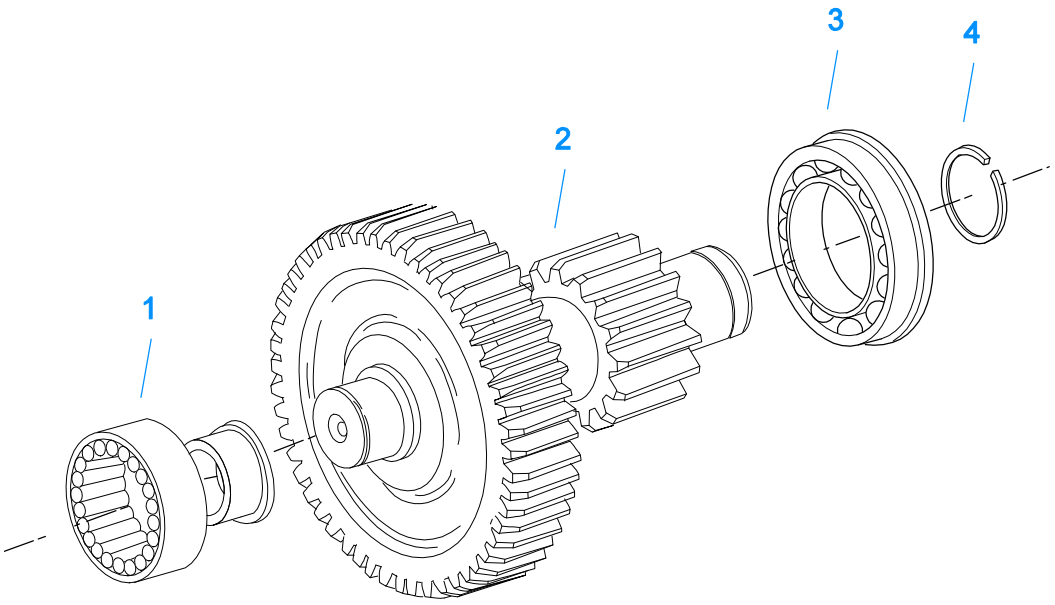
Note: Some part requirements are specific to #1 or #2 Aluminum or Iron Clutch Housings and Push or Pull type Clutch.

CASE (FRONT)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-1318	CASE ASSY	15390	1		
1	S-1519	CASE ASSY	20500	1	FOR USE W/INTEGRAL PUMP	
2	4304023	PLUG	4303747	1	1-1/16" MAGNETIC, O-RING INCLUDED	S-1318,S-1519
2	X-12-2007	PIPE PLUG	X12 2006	1		
3	4304023	PLUG	4303747	1	1-1/16" MAGNETIC, O-RING INCLUDED	S-1318,S-1519
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	
8	A-4772	CLUTCH HOUSING ASSY	A - 4344 ,A - 4771	1	#2 PUSH-PULL ALUM.	
8	A-6064	CLUTCH HOUSING ASSY	A - 4342 ,A - 4770 ,A - 6062 ,A - 6063 ,A - 6065	1	#1 PUSH-PULL ALUM.	
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 BRG COVER		1	2" PULL	K-2468,K-2761,K-4125
14	20552	FRONT BRG COVER		1	1-3/4" PULL	K-2345

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
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	
16	20549	FRONT BRG COVER		1	2" PUSH	
16	20551	FRONT BRG. COVER		1	1-3/4" PUSH	
17	14311	GASKET		1		K-2199
18	12815	BUSHING		4	FOR #1 HOUSING - UPPER	A-3713,A-3723,A-4772,A-6064,K-2468
18	12815	BUSHING		2	FOR #2 HOUSING - UPPER	A-3713,A-3723,A-4772,A-6064,K-2468
18	8677	BUSHING		1	FOR #2 HOUSING - UPPER	A-3713,A-3723,A-4772,A-6064
19	8677	BUSHING		3	FOR #1 AND #2 HOUSING - LOWER	A-3713,A-3723,A-4772,A-6064
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	
20	X-8C-831	HEX HEAD SCREW/WASHER ASSY	X-8C-822	2	.500-13 X 3.460, FOR IRON HOUSING	
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		S-1318,S-1519
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"	

Group: COUNTERSHAFT & BRGS(AUX)

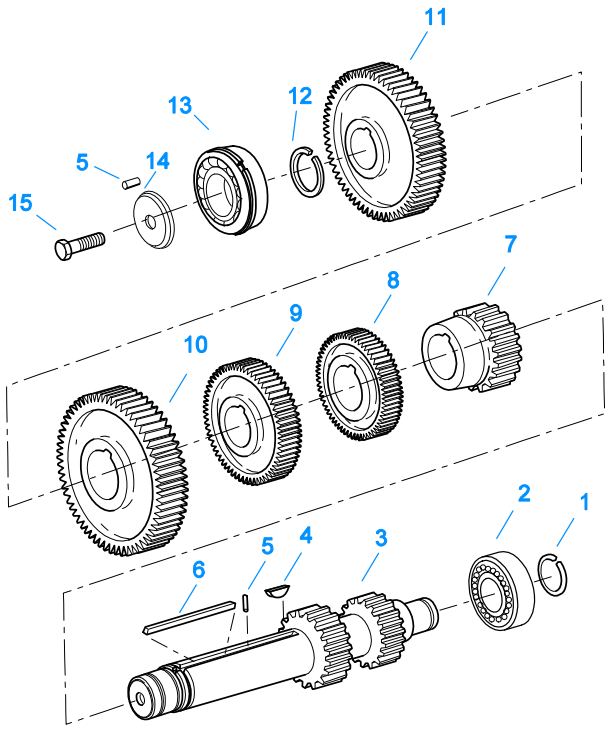


10442-4/92 Aux CS

COUNTERSHAFT & BRGS(AUX)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	8879	BEARING		2		K-2283,K-2345,K-2761,S-1944
2	A-5735	WELDED COUNTERSHAFT ASSY	A - 4727 ,A - 5051	2	C/S 4300326 - D/G 19276	
3	81052	BEARING	81008	2		K-2283,K-2345,K-2761
4	16723	SNAP RING		2		K-1790,K-2283,K-2345,K-2761

Group: COUNTERSHAFT ASSY

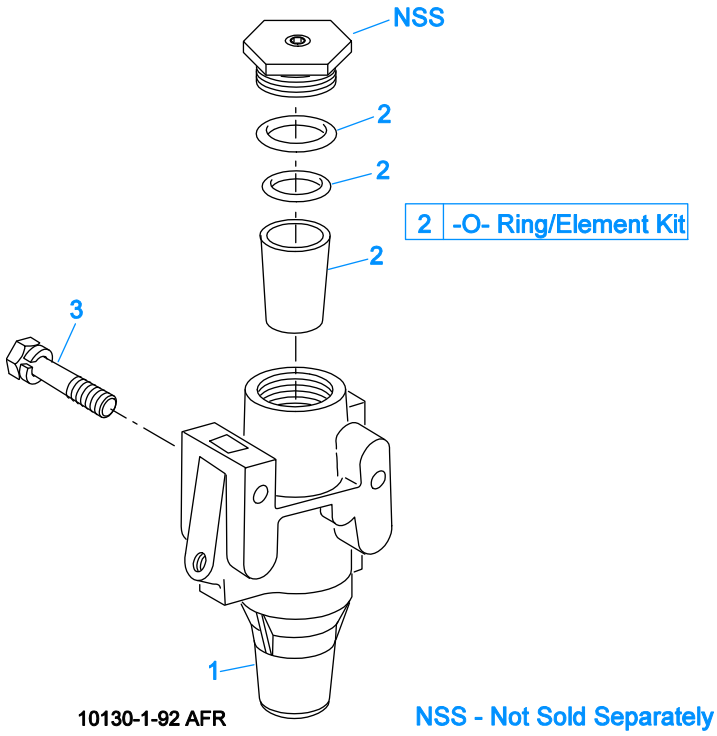


10340-1/92 CS/RT

COUNTERSHAFT ASSY

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	14317	SNAP RING		2		K-1790,K-2283,K-2345,K-2761
2	14366	BEARING		2		K-2283,K-2345,K-2761
3	K-2934	CNTRSHFT-W/REV & LO	19549	2		
4	X-6-E	KEY		2		
5	62511	ROLL PIN		4		
6	4304840	KEY	19673	2		
7	21025	1ST GEAR-CNTRSHFT	19629	2		
8	21264	2ND GEAR-CNTRSHFT	19623	2		
9	4305665	3RD GEAR-CNTRSHFT	21018,4305069	2		
10	15953	PTO GEAR - LOWER		1		
10	16390	NO LONGER AVAILABLE		2	OPTIONAL IF PTO GEARS ARE NOT USED	
10	20840	PTO GEAR - UPPER	15952	1		
11	21262	DRIVE GEAR-CNTRSHFT	19639 ,21027	2		
12	19198	SNAP RING		2		
13	81022	BALL BEARING	5566509	2		K-2283
14	K-2966	RETAINER KIT	19668 ,A - 4729	2	ROLL PIN NO LONGER REQUIRED	
15	X-7-1005	CAPSCREW		2	5/8"-18X1-3/4"	

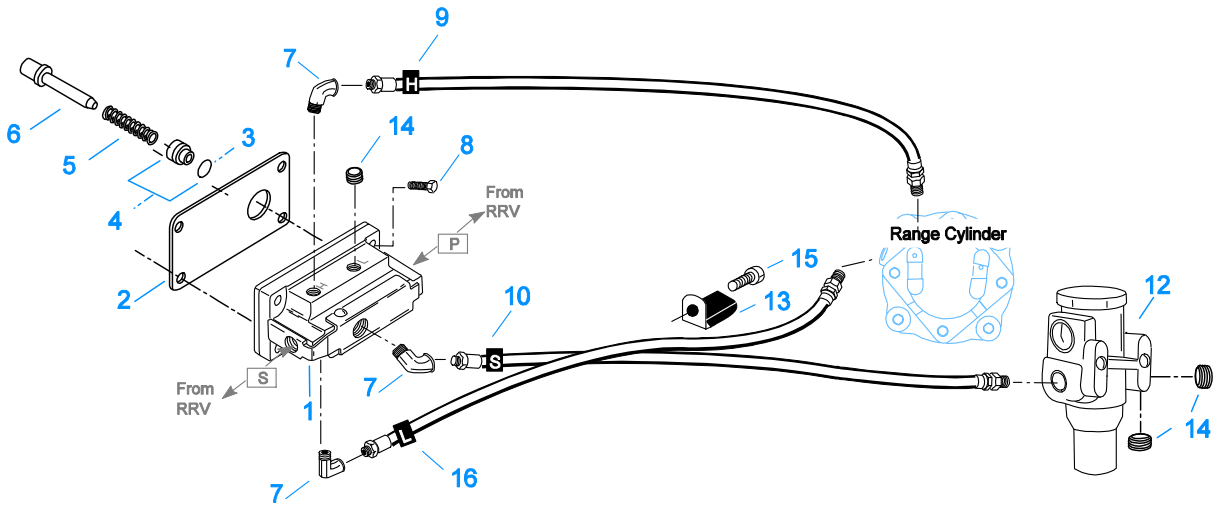
Group: FILTER REGULATOR



FILTER REGULATOR

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	A-4740	FILTER/REGULATOR	19600	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"	

Group: H & C W/19470 VALVE

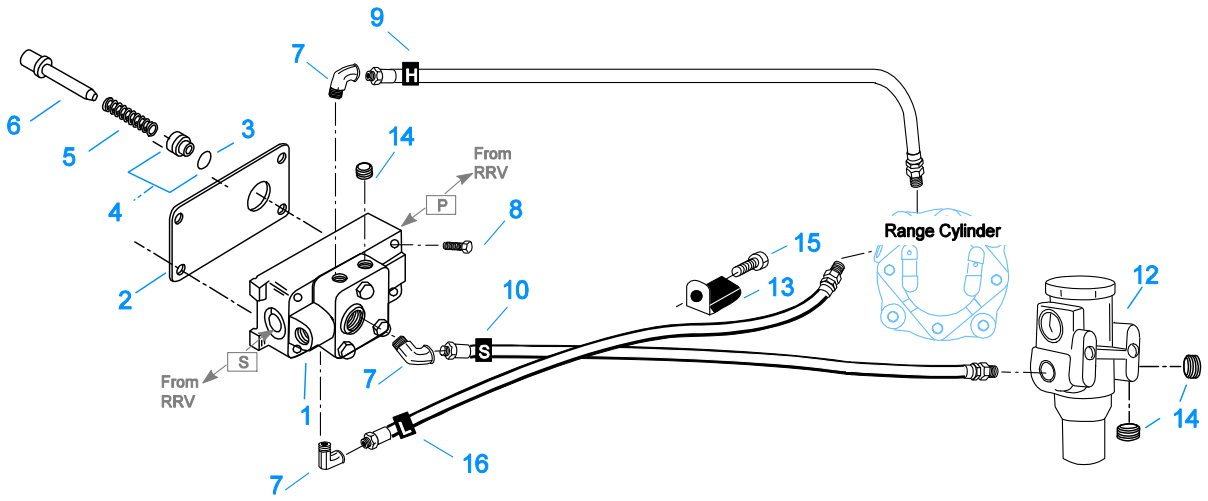


10111E-6/93 19470 HC

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		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		3	1/8"	K-1963
8	X-8C-401	CAPSCREW		4	1/4"-20X1-1/8"	
9	55522	HOSE ASSY		1	28"	
10	55523	HOSE ASSY		1	29"	
12	A-4740	FILTER/REGULATOR	19600	1		
13	19779	HOSE CLAMP		1		
14	X-12-208	PIPE PLUG		3	1/8" NPT	
15	X-8L-614	CAPSCREW		1	3/8"-16X2"	
16	55526	HOSE ASSY		1	26"	

Group: H & C W/A-5000 VALVE

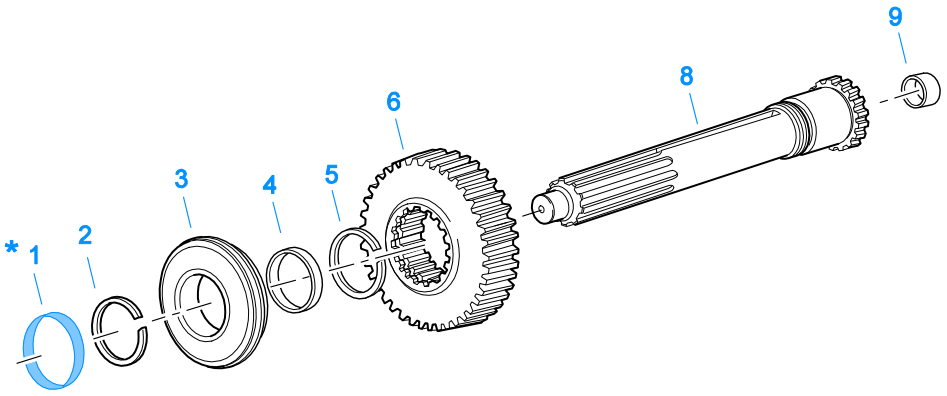


10110E-6-93 A-5000 HC

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		K-1963,K-2424
2	19481	GASKET		1		K-1963,K-2199,K-2424
3	19462	-O- RING	14033	1		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		3	1/8"	K-1963
8	X-8C-411	CAPSCREW		4	1/4"-20X1-3/4"	
9	55522	HOSE ASSY		1	28"	
10	55523	HOSE ASSY		1	29"	
12	A-4740	FILTER/REGULATOR	19600	1		
13	19779	HOSE CLAMP		1		
14	X-12-208	PIPE PLUG		3	1/8" NPT	
15	X-8L-614	CAPSCREW		1	3/8"-16X2"	
16	55526	HOSE ASSY		1	26"	

Group: INPUT SHAFT & DRIVE GEAR



* For Shipping Only -- Do Not Replace

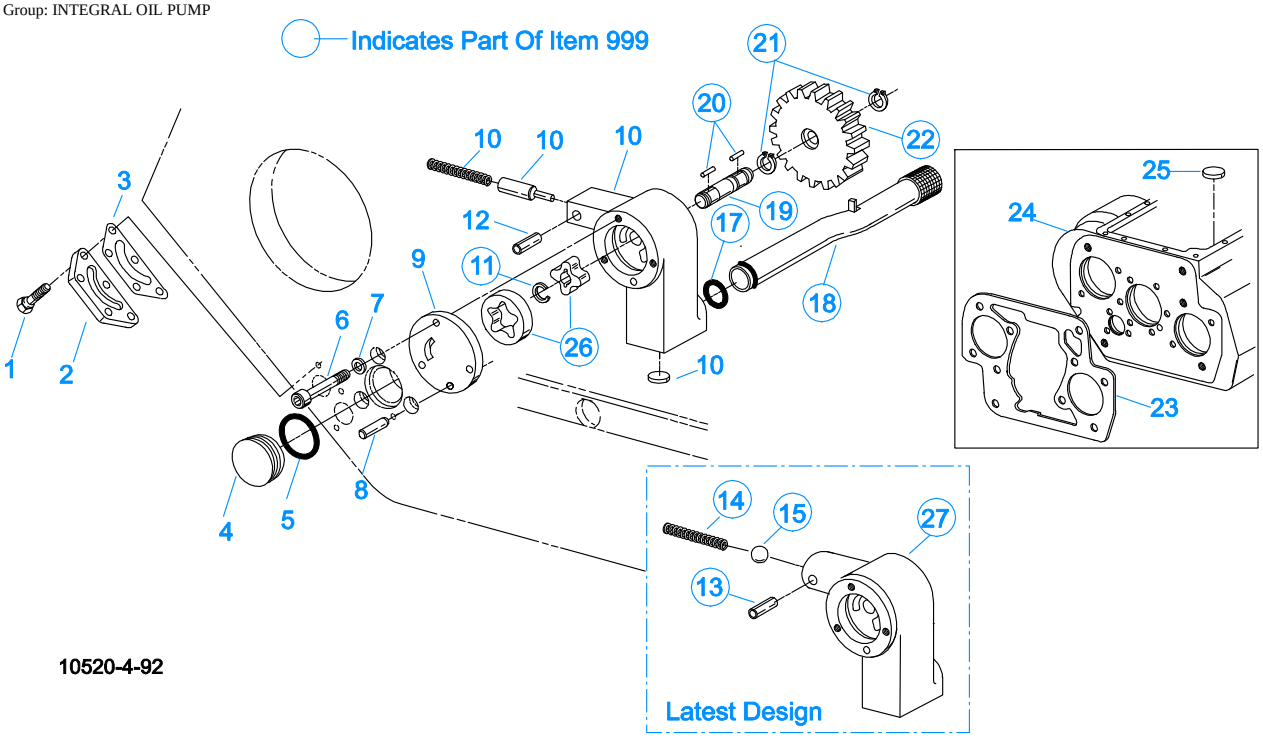
*

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-2345,K-2468,K-2761,K-4125
3	81504	BEARING		1		K-2283,K-2345,K-2468,K-2761,K-4125
4	16463	SPACER		1		
5	14750	SNAP RING		1		K-1790,K-2283,K-2345,K-2468,K-2761,K-4125
6	21026	MAIN DRIVE GEAR		1		
8	S-1498	INPUT SHAFT	20532	1	1-3/4" PUSH - USE W/FBC 20551	
8	S-1504	INPUT SHAFT	20538	1	1-3/4" PULL - USE W/FBC 20552	
8	S-1659	INPUT SHAFT	20535 23566 4302661	1	2" PULL - USE W/FBC 20550	K-2468,K-2761,K-4125
8	S-1660	INPUT SHAFT	20536 ,23567	1	2" PUSH - USE W/FBC 20549	
9	16566	BUSHING		1		K-2283,S-1498,S-1504,S-1659,S-1660

Group: INTEGRAL OIL PUMP

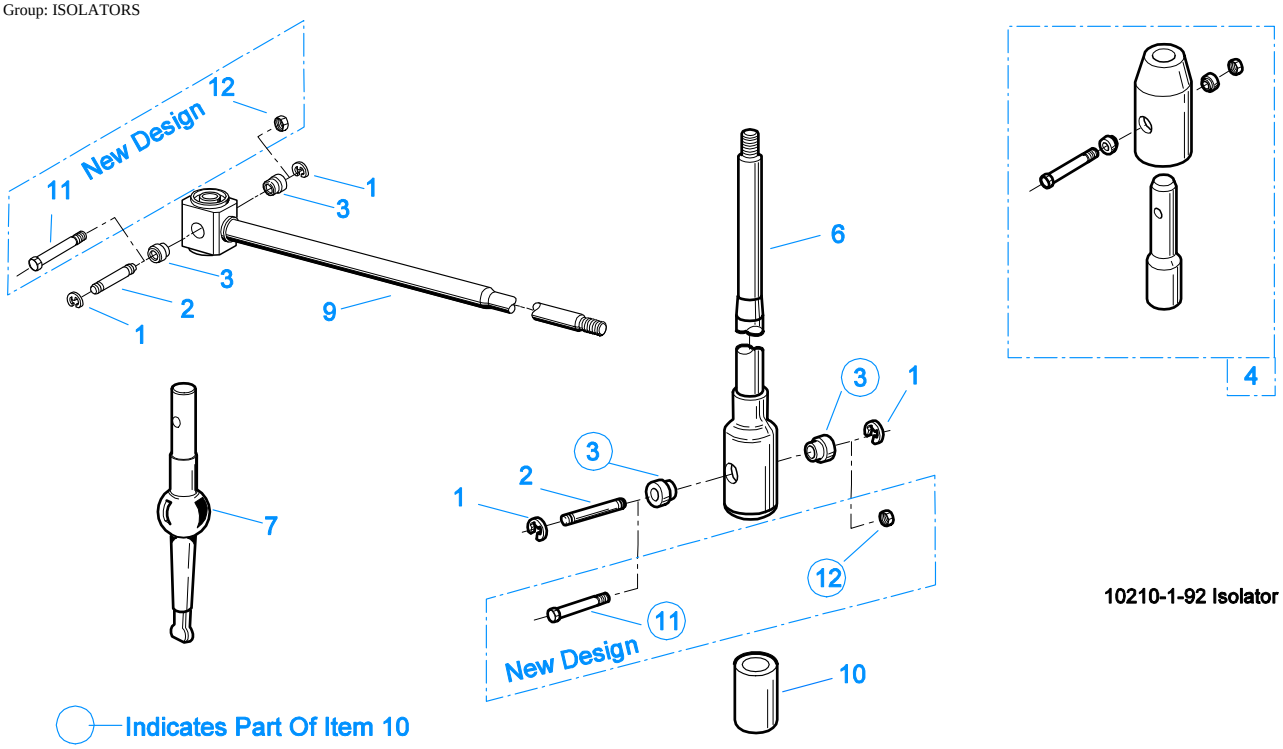


INTEGRAL OIL PUMP

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	X-8C-409	CAPSCREW		5	1/4"-20X5/8" - USE WITH 4300751 COVER	
1	X-8C-430	CAPSCREW		5	1/4"-20X7/8" - USE WITH 20513 COVER	
2	K-2402	COVER & SCREW KIT	20513 ,4300751	1		
3	20514	GASKET		1		K-2402
4	20823	PLUG		1		
5	14765	-O- RING		1		K-1431,K-1450
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		S-1519
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-2199
24	S-1519	CASE ASSY	20500	1	FOR USE W/INTEGRAL PUMP	
25	14373	MAGNET		3		S-1318,S-1519
26	20507	ELEMENT		1		
27	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A -	1		

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
999	K-3367	OIL PUMP KIT	7173 4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		

Group: ISOLATORS



10210-1-92 Isolator

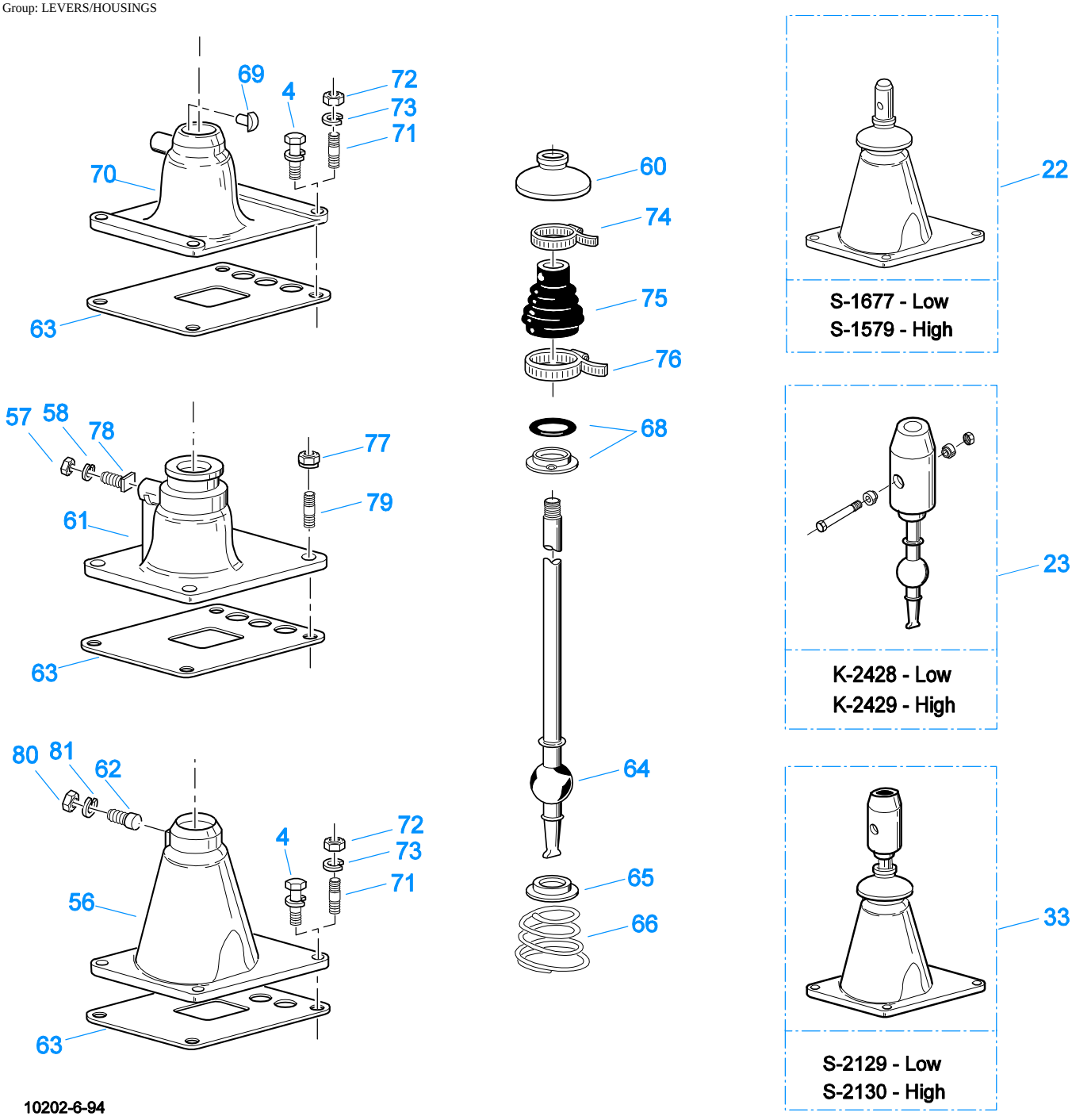
ISOLATORS

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-1431	RANGE CYL-KIT		1		
	K-1450	-O- RING KIT-RANGE		1		
	K-1476	SHIFT LEVER HSG	4530 ,17163 ,18298 ,4304905 ,A - 4437	1	LOW TOWER	
	K-1603	GASKET KIT		1	FOR AUXILIARY SECTION	
	K-1631	SHIFT LEVER HSG	14456 ,17168 ,4304327	1	LOW	
	K-1698	-O- RING/ELEMENT KIT		1	FOR FILTER REGULATOR	
	K-1700	OIL COOLER KIT		1		
	K-1704	PUMP INSTALLATION KIT		1		
	K-1790	SMALL PARTS 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 VALVE	K-1963
	K-2003	PIN & BUSHING KIT		1		
	K-2199	GASKET KIT		1		K-2283,K-2345,K-2761
	K-2256	OIL SEAL KIT	14337 ,19109 ,21036	1		
	K-2262	OIL SEAL W/SLINGER	19109 ,20807 ,20808	1	"FOR MECHANICAL COVER"	
	K-2283	BASIC REBUILD KIT		1		
	K-2311	REPL KIT-DRIVE GEAR	19275 ,4300466	1		
	K-2345	BASIC OVERHAUL KIT		1	PULL TYPE CLUTCH - 1-3/4" SHAFT	
	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-2439	KEY & WASHER KIT		1	CONTAINS 3-SIDED KEY	
	K-2468	CLUTCH INSTALLATION KIT		1	FOR USE WITH S-1659 INPUT SHAFT ASSY AND 81504 INPUT SHAFT BEARING	
	K-2761	BASIC OVERHAUL KIT	K - 1742 ,K - 1974	1	PULL TYPE CLUTCH - 2" SHAFT	
	K-2934	COUNTERSHAFT REPL KIT	19549	1		
	K-2966	RETAINER KIT	19668 ,A - 4729	1		
	K-2973	SHIFT LEVER HSG KIT	17166 ,17167 ,4303050 ,4304910 ,K - 1630 K - 1941	1	HIGH TOWER	
	K-3217	IDLER SHAFT REPL KIT	4302981	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-3651	OIL SEAL TOOL KIT		1		
	K-3783	COUNTERSHAFT REPL KIT	20804 ,22411, 4301054, K-2935	1		
	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-1318	CASE ASSY	15390	1		
	S-1341	MAINSHAFT ASSY	16761 ,18729	1		
	S-1404	OIL FILTER	17238	1		
	S-1440	SHIFT BAR HSG (STD)	15890 ,15928 ,16913 ,17115 ,17180 17182 ,17428 ,18571 ,18640 ,18644 18840 ,18847	1	HOUSING ONLY	

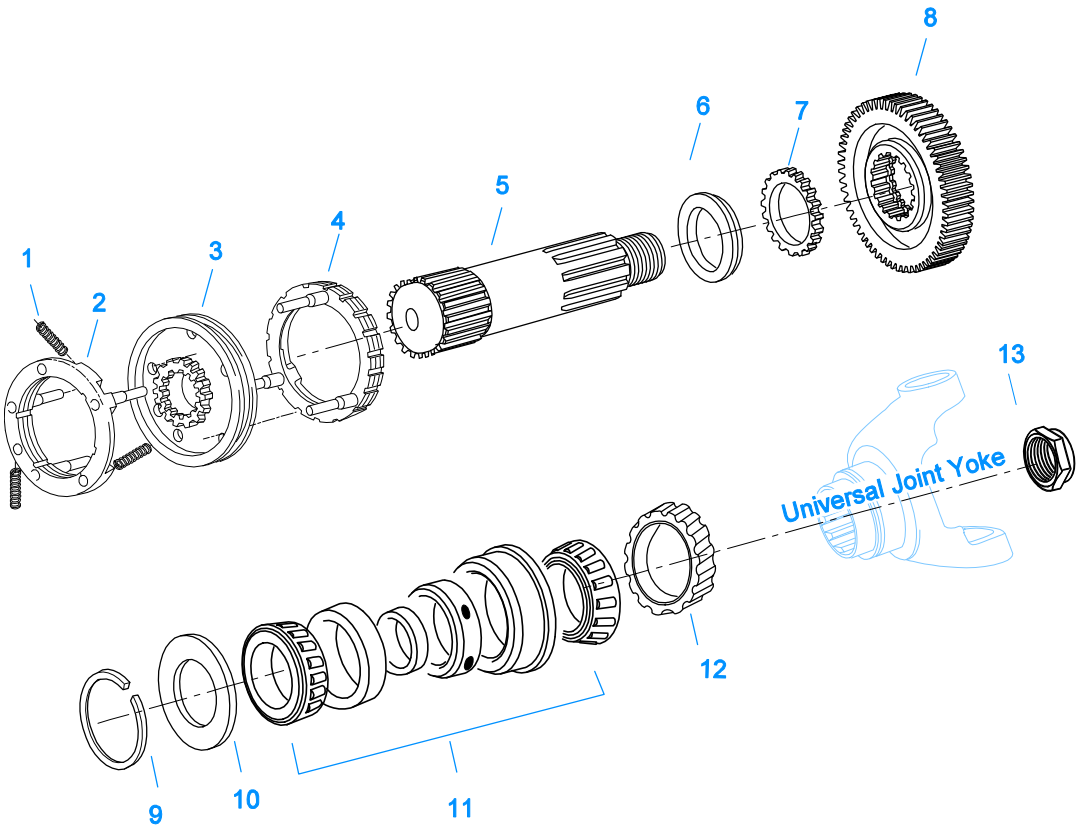
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
			,19448 ,19449 ,19453 19454 ,19455 ,19605 ,20074 ,20210 20211 ,21133 ,22955 ,S - 1360 ,S - 1364 S - 1376 ,S - 1377			
	S-1441	SHIFT BAR HSG (F)	15891 ,16340 ,16564 ,17114 ,17128 17181 ,17218 ,17492 ,17577 ,17900 18203 ,18436 ,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-1498	INPUT SHAFT	20532	1	1-3/4" PUSH	
	S-1504	INPUT SHAFT	20538	1	1-3/4" PULL	
	S-1516	CAP ASSY	20851 ,20853	1	FOR A-5000 VALVE	
	S-1519	CASE ASSY	20500	1	FOR USE W/INTEGRAL PUMP	
	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-2761,K-4125
	S-1660	INPUT SHAFT	20536 ,23567	1	2" PUSH - USE W/FBC 20549	
	S-1794	ISOLATOR ASSY		1		
	S-1944	RANGE SECTION ASSY		1		
	S-1944R	REMAN RANGE SECTION ASSY		1		
	S-2129	SHIFT LEVER HSG ASSY		1	LOW TOWER	
	S-2130	SHIFT LEVER HSG ASSY	S - 2053	1	HIGH TOWER	
	S-2136	REAR BRG COVER ASSY	21950 ,22040 ,22041 ,22042 ,4302006 4302007 ,S - 1563	1	EXTENDED	
	S-2149	REAR BRG COVER ASSY	20208 ,21062	1		
	S-2540	ROADRANGER VALVE ASSY	A - 5037	1	RT - W/SHIFT DIAGRAM MEDALLION	



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-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	
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 -	1	HIGH TOWER	

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
			1941			
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-1631	SHIFT LEVER HSG	14456 ,17168 ,4304327	1	LOW, USE W/14795 BOOT	
62	6541	PIN		1	3/8"	
63	4305294	GASKET	4303431	1		K-1476,K-1631,K-1700,K-2199,K-2428,K-2429,K-2973,S-1529,S-1531,S-1579,S-1677,S-2129,S-2130
64	17600	GEAR SHIFT LEVER		1	STRAIGHT - LOW 21-1/2"	
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-1-600	NUT		1	3/8"-24-N.F.PLAIN	
81	X-3-600	LOCKWASHER		1	3/8"	

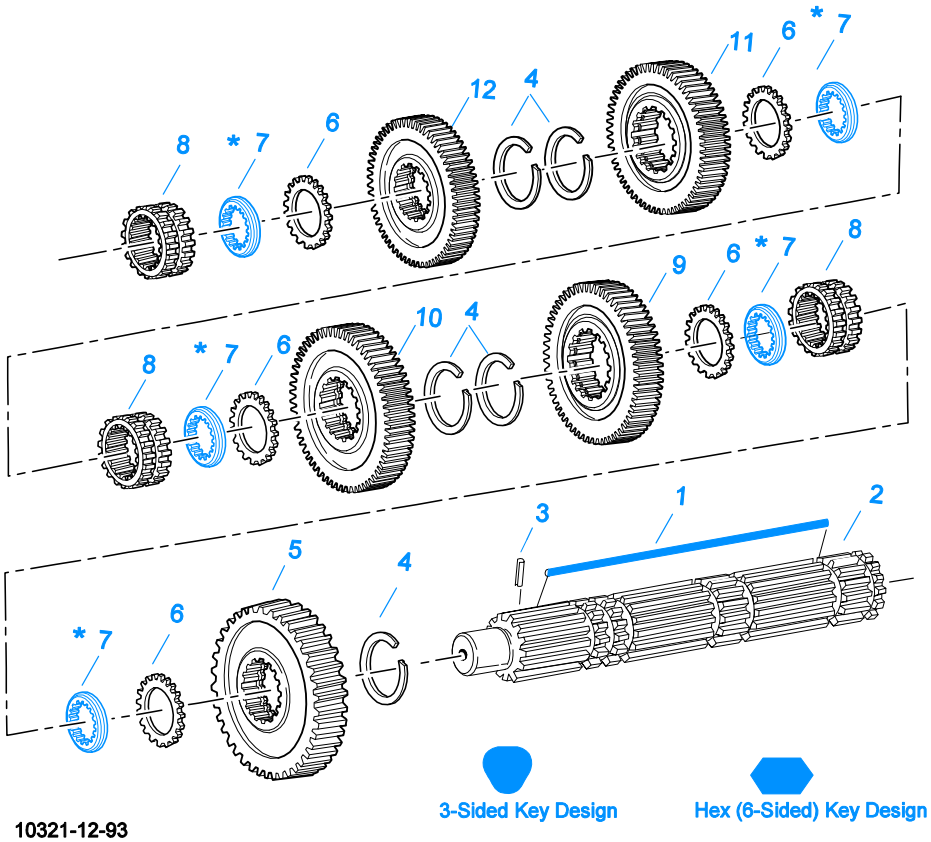


10424-3/93 Aux MS

MAINSHAFT & SYNCHRO(AUX)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	14897	SPRING		3		K-1790,K-2283,K-2345,K-2761,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	19281	MAINSHAFT		1		
6	14332	WASHER		1		K-1790
7	14331	WASHER		1		K-1790
8	4300325	REDUCTION GEAR	19665 ,20932	1		
9	14327	SNAP RING		1		K-1790
10	19466	WASHER		1		K-1790
11	14367	BEARING		1		K-2283,K-2345,K-2761
12	20192	ROTOR		1		
13	22254	NUT	11956	1		S-1944

Group: MAINSHAFT ASSY



10321-12-93

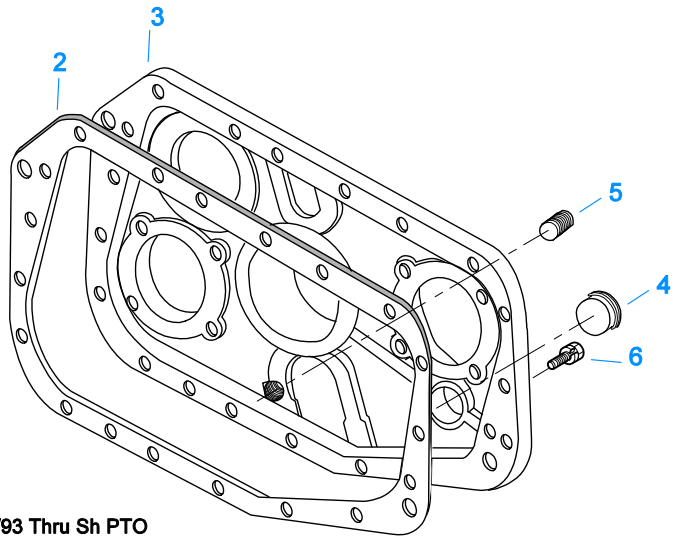
* Updating to 3-Sided Key is Recommended.
When Updating to 3-Sided Key Replace all Washers to Match Key Design
Always Use Matching Key and Washer Sets (See Appendix - Mainshaft Washers)

MAINSHAFT ASSY

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	17109	HEX (6-SIDED) KEY		1	MUST USE MATCHING WASHERS	
1	4304615	3-SIDED KEY	4300120	1		K-2439
1	K-2439	KEY & WASHER KIT		1	CONTAINS 3-SIDED KEY	
2	S-1341	MAINSHAFT ASSY	16761 ,18729	1		
3	62504	ROLL PIN		1		S-1341
4	14750	SNAP RING		5		K-1790,K-2283,K-2345,K-2468,K-2761,K-4125
5	16756	REVERSE GEAR-MAINSHAFT	22408	1		
6	14749	SPACER		5		K-1790
7	14711	WASHER .248-.250 WHITE	18701	5	OPTIONAL 14711-14716 USE ANY 5 WASHERS USE WITH 17109 KEY	K-1790
7	14712	WASHER .253-.255 GREEN	18702	5	OPTIONAL 14711-14716 USE ANY 5 WASHERS USE WITH 17109 KEY	K-1790
7	14713	WASHER .258-.260 ORANGE	18703	5	OPTIONAL 14711-14716 USE ANY 5 WASHERS USE WITH 17109 KEY	K-1790
7	14714	WASHER .263-.265 PURPLE	18704	5	OPTIONAL 14711-14716 USE ANY 5 WASHERS USE WITH 17109 KEY	
7	14715	WASHER .268-.270 YELLOW	18705	5	OPTIONAL 14711-14716 USE ANY 5 WASHERS USE WITH 17109 KEY	
7	14716	WASHER .273-.275 BLACK	18706	5	OPTIONAL 14711-14716 USE ANY 5 WASHERS USE WITH 17109 KEY	
7	4300382	WASHER .249-WHITE		5		K-2439
7	4300383	WASHER .254-GREEN		5	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 5 WASHERS. USE	K-2439

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
					WITH 3-SIDED KEY	
7	4300384	WASHER .259-ORANGE		5	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 5 WASHERS. USE WITH 3-SIDED KEY	K-2439
7	4300385	WASHER .264-PURPLE		5	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 5 WASHERS. USE WITH 3-SIDED KEY	
7	4300386	WASHER .269-YELLOW		5	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 5 WASHERS. USE WITH 3-SIDED KEY	
7	4300387	WASHER .274-BLACK		5	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 5 WASHERS. USE WITH 3-SIDED KEY	
7	4300830	WASHER .244-BLUE		5		K-2439
8	16118	SLIDING CLUTCH		3		K-2345,K-2761
9	16754	LO GEAR-MAINSHAFT		1		
10	21024	1ST GEAR-MAINSHAFT	19628	1		
11	19622	2ND GEAR-MAINSHAFT	21263 ,4300246	1		
12	21023	3RD GEAR-MAINSHAFT	19249	1		

Group: MISC.(INT. BOX)
Sub-Group: REAR HOUSING ASSY.



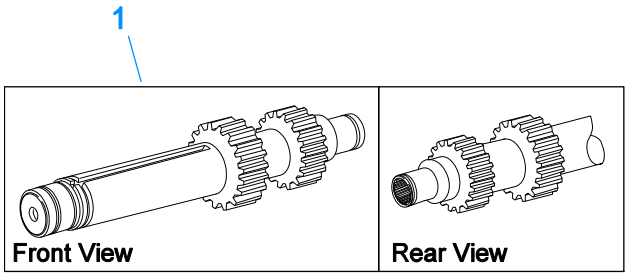
10404A-7/93 Thru Sh PTO

MISC.(INT. BOX)

REAR HOUSING ASSY.

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
2	14335	GASKET		1		
3	21154	REAR HOUSING		1		
4	21073	EXPANSION PLUG		1		
5	X-12-1207	PIPE PLUG	X12 1202 ,X12 1206	1	3/4" MAGNETIC	
6	X-8L-601	CAPSCREW		3	3/8"-16X3/4"	

Group: MISC.(INT. BOX)
Sub-Group: THRU-SHAFT PTO C/S



10450-5/93 CS PTO

MISC.(INT. BOX)

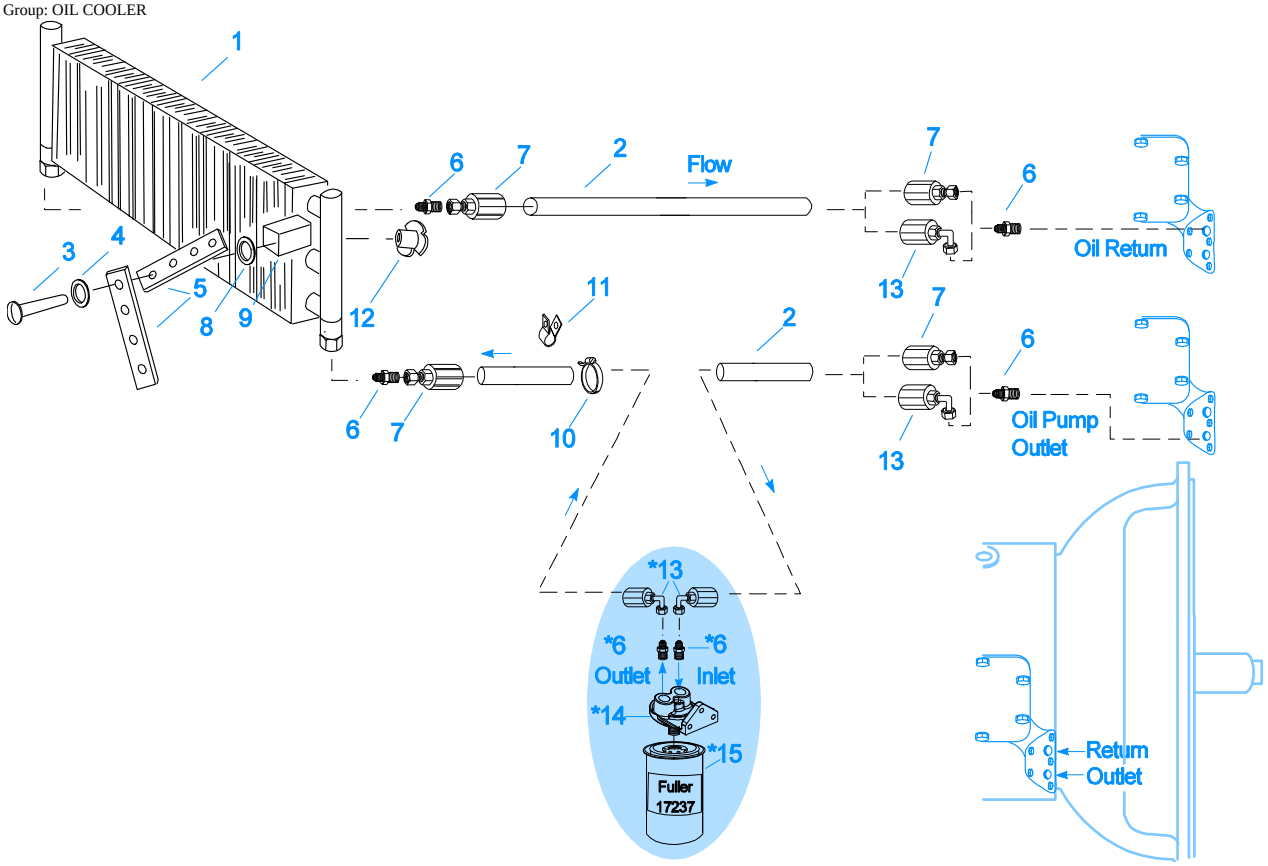
THRU-SHAFT PTO C/S

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	K-3783	COUNTERSHAFT REPL KIT	20804 ,22411, 4301054, K-2935	1		

MISCELLANEOUS

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
	20398	SHIFT DIAGRAM LABEL	19675	1		
	21075	WARNING 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-1700,K-2345,K-2761
	71206	SILICONE LUBE		1	4 CC (SINGLE APPLICATION SIZE)	K-1431,K-1450,K-2428,K-2429

Group: OIL COOLER



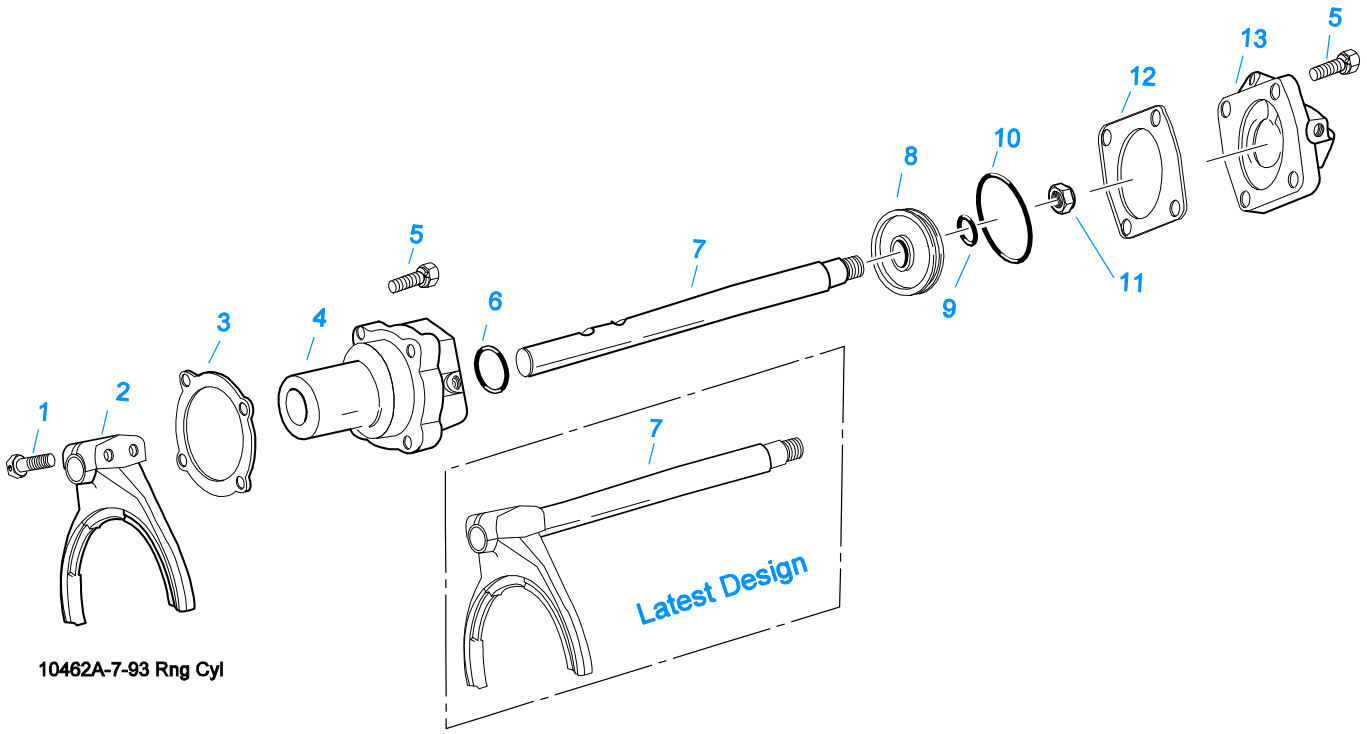
10525-4/92 Cooler

*Adding Oil Filter and parts as shown is optional.

Return / Outlet Location

OIL COOLER

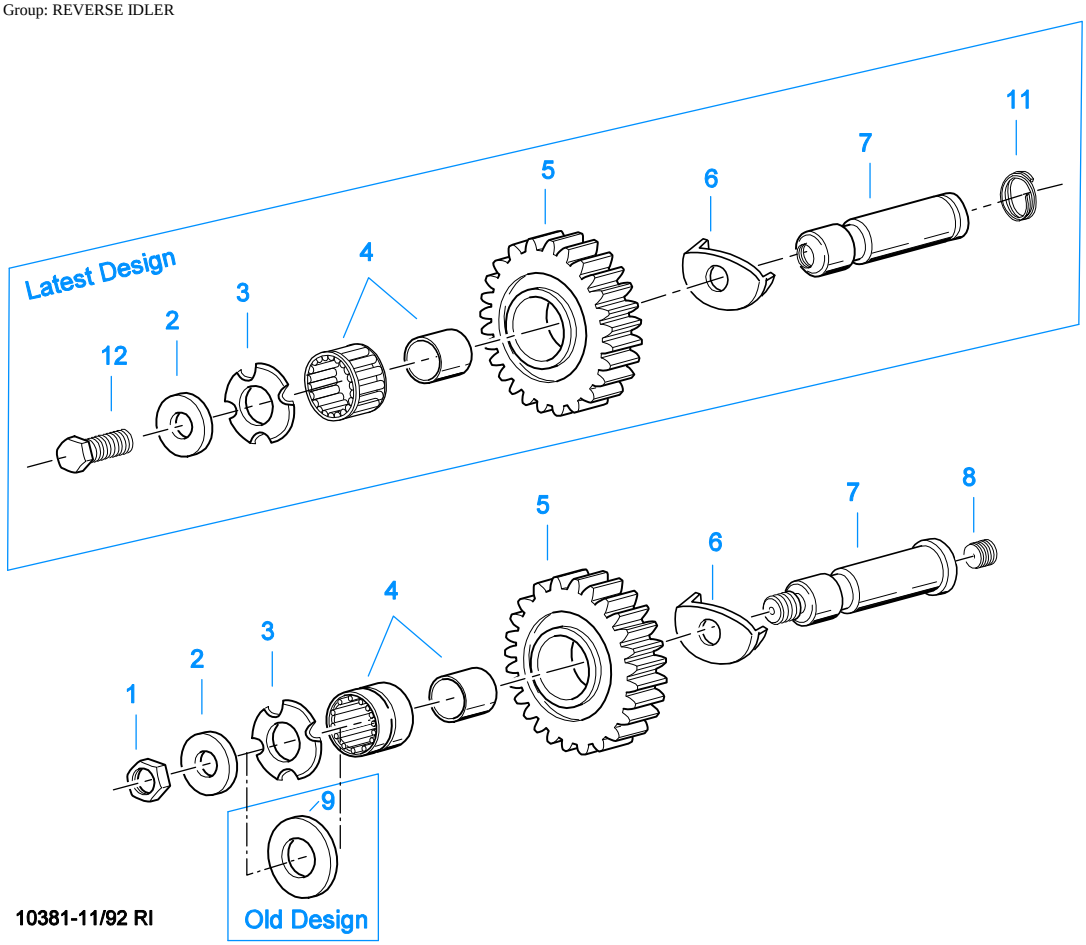
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	18025	OIL COOLER		1		K-1700,K-1956
2	19424	HOSE		1	25 FEET	K-1700,K-1956
3	X-8-535	CAPSCREW		2	5/16"-16X2-1/2"	
4	X-3-506	LOCKWASHER		2	5/16"	
5	18211	BRACKET		4		K-1700,K-1956
6	19419	CONNECTOR		6		K-1700,K-1956,S-1404
7	19415	SWIVEL		4		K-1700,K-1956
8	X-10-501	WASHER		2	5/16"	
9	18209	PLUG-RUBBER MOUNT		2		K-1700,K-1956
10	17190	STRAP		8		K-1700,K-1956
11	19423	CLAMP		5		K-1700,K-1956
12	18210	NUT		2		K-1700,K-1956
13	19422	ELBOW		4		K-1956
14	S-1404	OIL FILTER	17238	1		
15	17237	FILTER ELEMENT		1		S-1404



RANGE CYLINDER

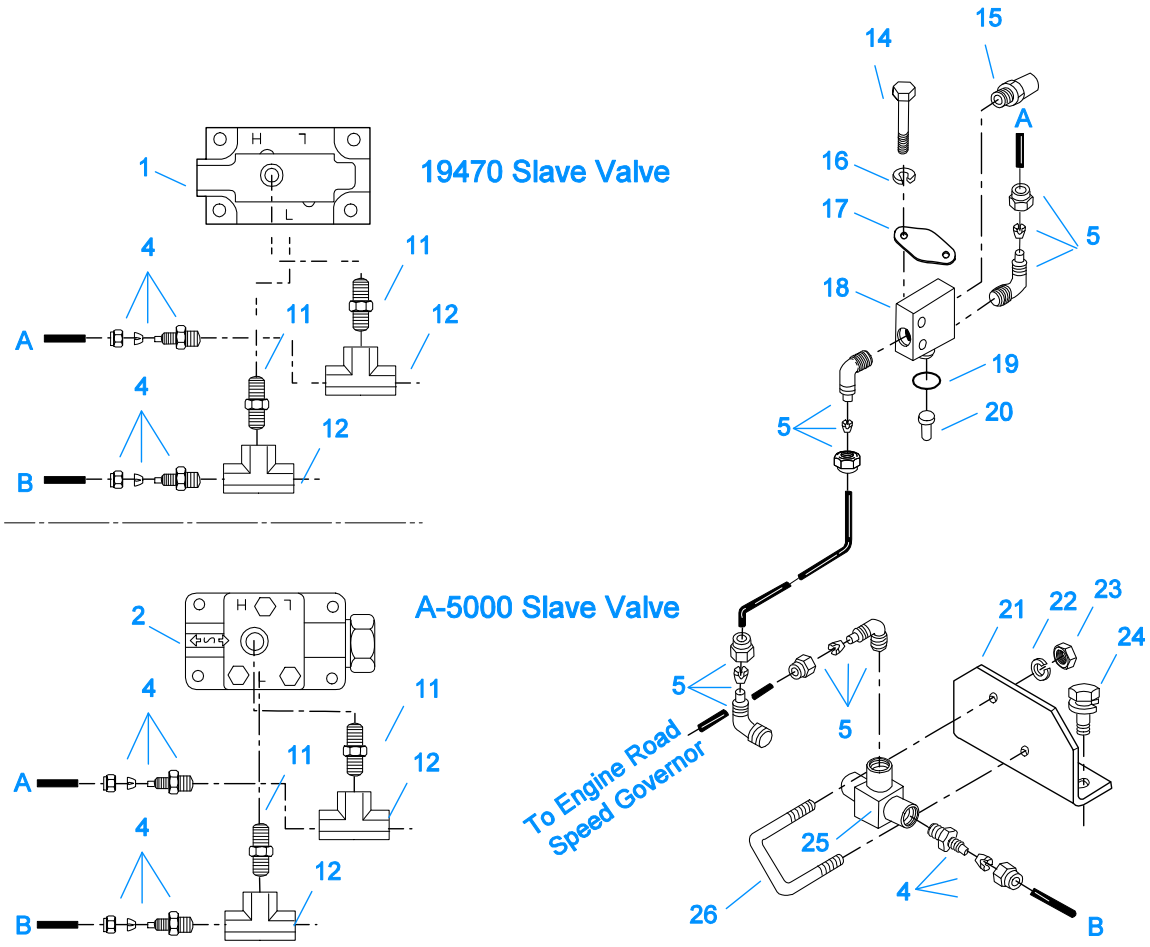
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	X-7-809	BOLT	X 7 810 ,X 7 811	2	1/2"-20X1-3/4"	
2	22823	SHIFT YOKE	16775	1		
3	14347	GASKET		1		K-1431,K-1603,K-2199
4	16778	AUXILIARY CYLINDER		1		K-1431
5	X-8L-604	CAPSCREW		8	3/8"-16X1-1/4"	
6	14765	-O- RING		1		K-1431,K-1450
7	16993	YOKE BAR		1		
7	A-6162	WELDED YOKE & BAR ASSY		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-1603,K-2199
13	19690	CYLINDER COVER		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-3217
3	4302982	WASHER	14282	2		K-3217,S-1318,S-1519
4	14287	BEARING	4305020	2		K-2283,K-2345,K-2761
5	16757	REVERSE IDLER GEAR	22409	2		
6	16403	WASHER		2		K-3217
7	K-3217	IDLER SHAFT REPL KIT	4302981	2		
8	5202	PLUG		2		
9	14282	NO LONGER AVAILABLE		2		
11	4303336	RETAINING RING		2		K-3217
12	X-7-1008	CAPSCREW		2	5/8"-18X1-1/4	

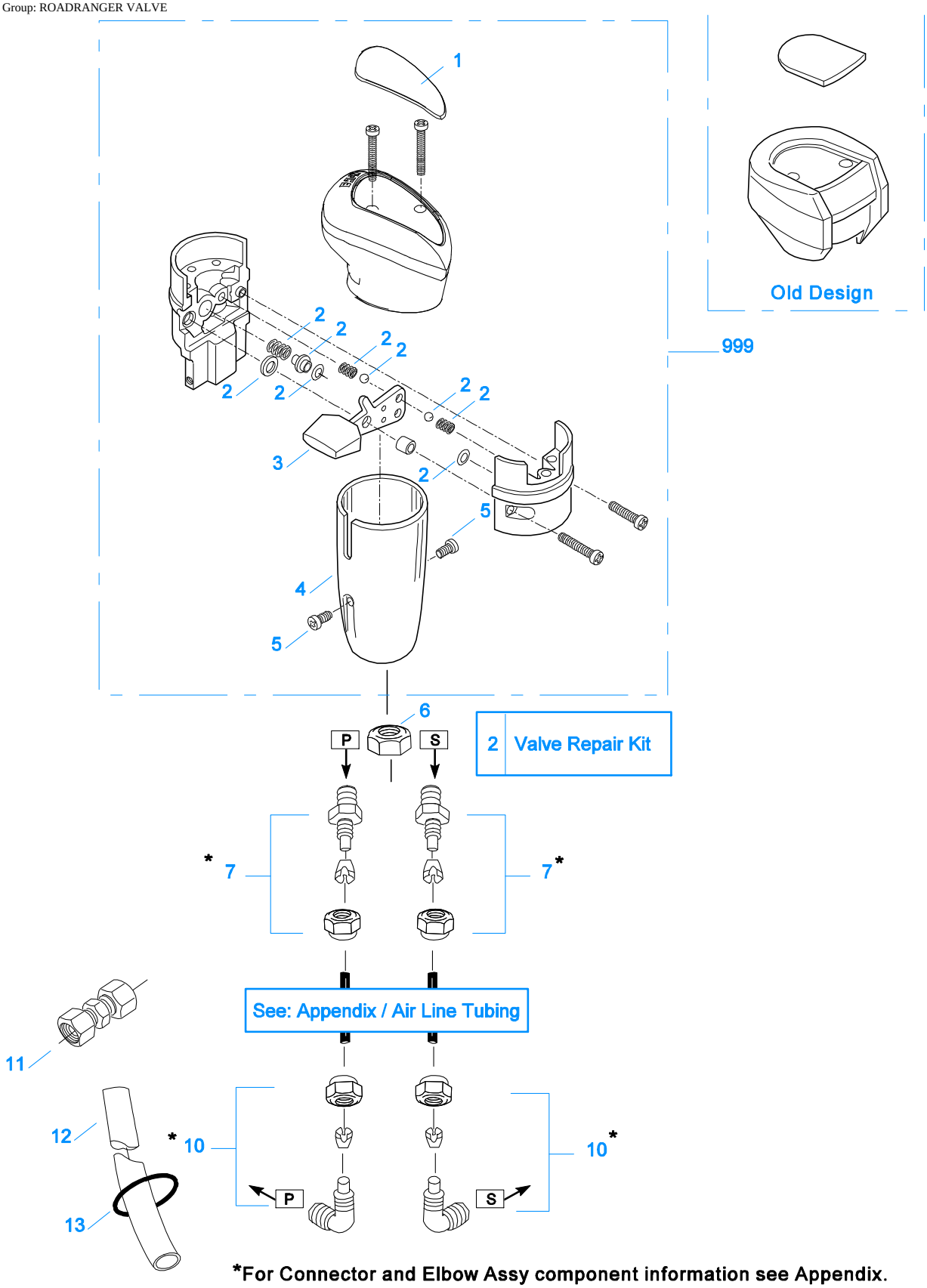


10500-6-94 RSG

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
4	84002	CONNECTOR ASSY	82502	3	1/8"TUBE-1/8"NPTF	K-1963,K-2345,K-2761
4	84004	CONNECTOR ASSY	82504	3	5/32"TUBE-1/8"NPTF	
4	84006	CONNECTOR ASSY		3	"PUSH-TO-CONNECT" 5/32"TUBE-1/8"NPTF	
5	85001	ELBOW ASSY	84501	4	5/32"TUBE-1/8"NPTF	
5	85002	ELBOW ASSY	84502	4	1/8"TUBE-1/8"NPTF	K-1963,K-2345,K-2761
5	85003	ELBOW ASSY		4	"PUSH-TO-CONNECT" 5/32"TUBE-1/8"NPTF	
11	12769	NIPPLE		2	1/8"	K-1963
12	12881	TEE		2	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-1529,S-1531
18	18734	VALVE		1		
19	18656	NO LONGER AVAILABLE		1		
20	15899	PIN		1		S-1440,S-1441,S-1529,S-1531
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		

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
26	18684	NO LONGER AVAILABLE		1		



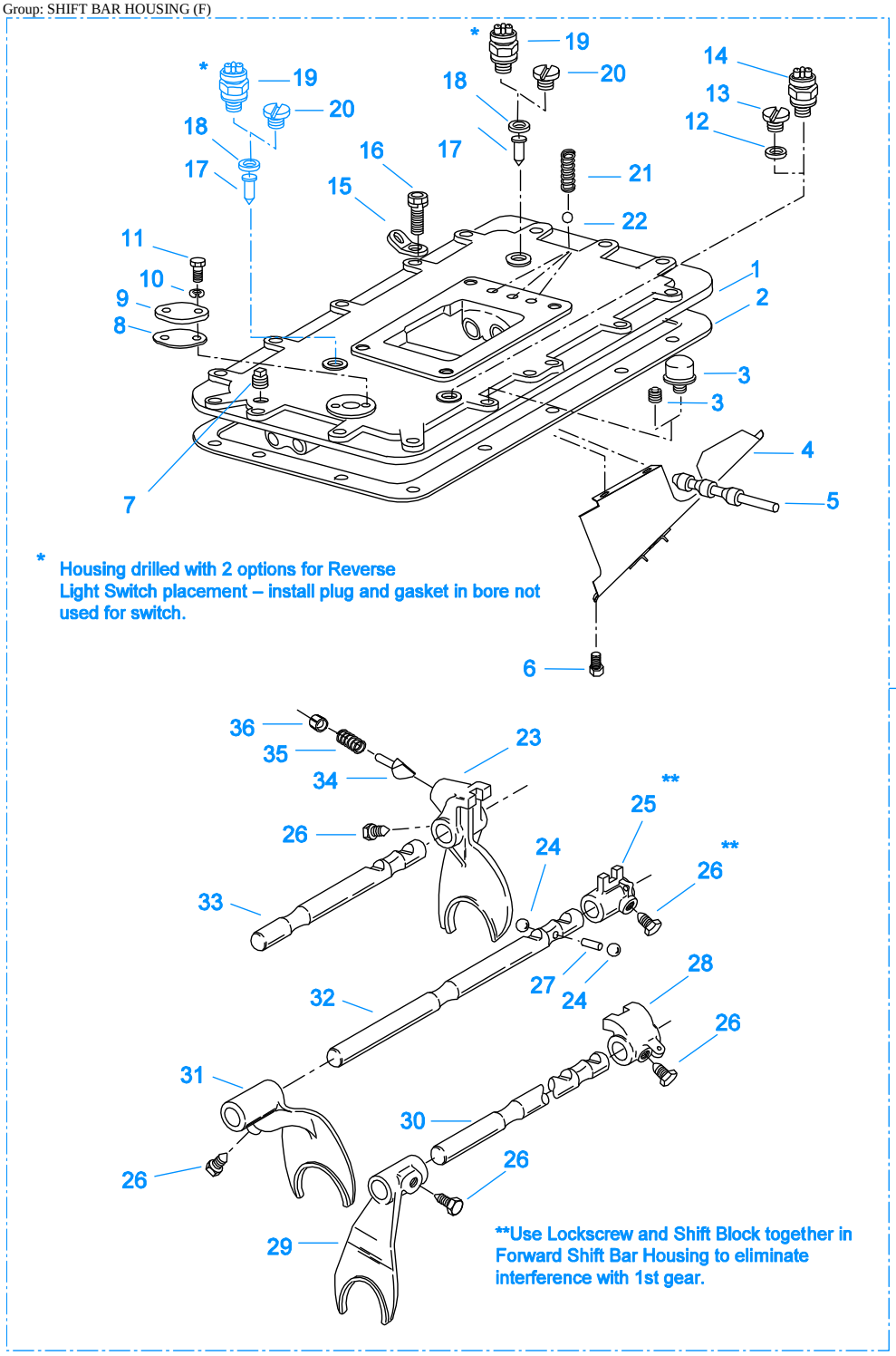
*For Connector and Elbow Assy component information see Appendix.

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	5586104	SHIFT DIAGRAM MEDALLION		1	RT	S-2540
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	
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-1963,K-2345,K-2761
10	85003	ELBOW ASSY		2	"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	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	
999	S-2540	ROADRANGER VALVE ASSY	A - 5037	1	RT - W/SHIFT DIAGRAM MEDALLION	

Group: SHIFT BAR HOUSING (F)



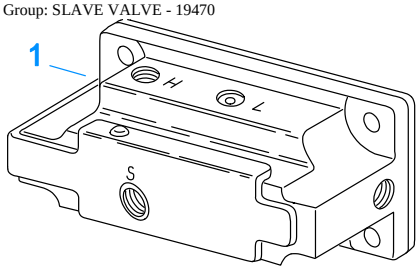
10230-1/92 Forward

SHIFT BAR HOUSING (F)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-1441	SHIFT BAR HSG (F)	15891 ,16340 ,16564 ,17114 ,17128 17181 ,17218 ,17492 ,17577 ,17900 18203 ,18436 ,18642 ,18646 ,18886 19159 ,19450 ,19451	1	HOUSING ONLY	

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
			,19456 ,19457 19458 ,19717 ,19956 ,20072 ,20212 20213 ,21134 ,22956 ,S - 1106 ,S - 1361 S - 1370 ,S - 1374 ,S - 1375 ,S - 1378			
2	4302676	GASKET	14918	1		K-1700,K-2199,S-1529,S-1531
3	4304602	BREATHER	23605	1	1/4" NPT	K-1700
3	X-12-404	PIPE PLUG		1	1/4" NPT	
4	20070	OIL TROUGH		1		S-1529,S-1531
5	20332	AIR VALVE SHAFT	17177	1		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-1529,S-1531
9	20199	PLATE	18724	1		S-1440,S-1441,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-1529,S-1531
13	4303655	PLUG	17178	1		S-1440,S-1441,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-1529,S-1531
18	15900	GASKET		1		S-1440,S-1441,S-1529,S-1531
19	22940	REVERSE LIGHT SWITCH	16830	1	SWITCH NORMALLY OPEN	
20	4303656	PLUG	15917	1		S-1440,S-1441,S-1529,S-1531
21	15918	SPRING		3		K-1790,K-2345,K-2761,S-1529,S-1531
22	X-14-800	STEEL BALL		3	1/2"	
23	16338	SHIFT YOKE		1	REVERSE/LO	S-1529
24	X-14-1200	STEEL BALL		2	3/4"	
25	15770	SHIFT BLOCK		1	1ST/2ND	
26	22943	LOCKSCREW		1	USE W/15770 SHIFT BLOCK	S-1529
26	3220	LOCKSCREW		4		S-1529,S-1531
27	1634	INTERLOCK PIN		1		K-1790,S-1529,S-1531
28	14912	SHIFT BLOCK		1	3RD/DIRECT	S-1529
29	16136	SHIFT YOKE		1	3RD/DIRECT	S-1529,S-1531
30	14909	YOKE BAR		1	3RD/DIRECT	S-1529
30	18641	YOKE BAR		1	3RD/DIRECT - W/ROAD SPEED GOVERNOR	
31	16135	SHIFT YOKE		1	1ST/2ND	S-1529,S-1531
32	14910	YOKE BAR		1	1ST/2ND	S-1529
33	14908	YOKE BAR		1	REVERSE/LO	S-1529
34	10019	PLUNGER		1		S-1219,S-1529,S-1531
35	6392	SPRING		1		S-1219,S-1529,S-1531
36	8968	PLUG		1		S-1219,S-1529,S-1531
999	S-1529	SHIFT BAR HSG ASSY (F)	20213 ,22956	1	COMPLETE	

Group: SLAVE VALVE - 19470

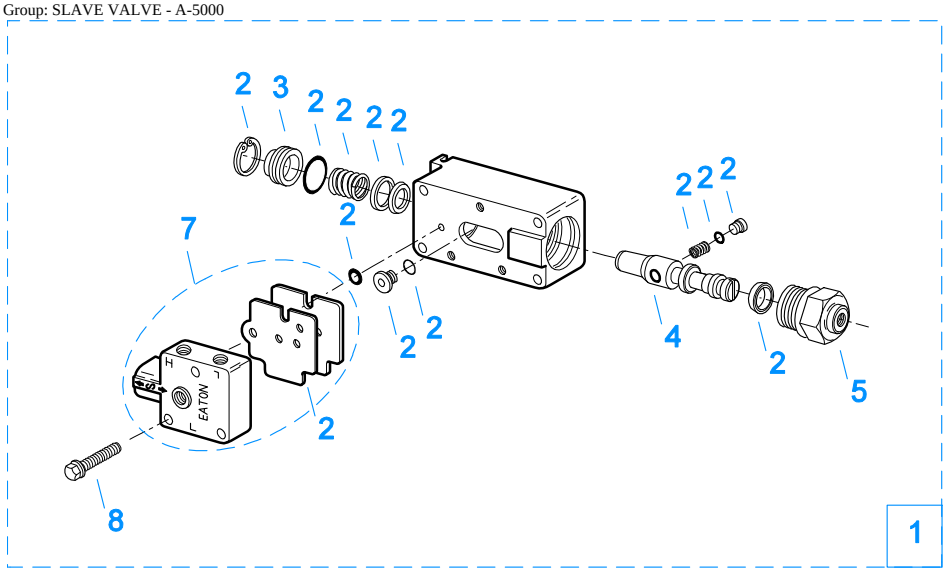


10121-1/92 19470 SV

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