Roadranger® More time on the road®

Illustrated Parts List

RTO-11707LL
July 2011

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Contents

How To Use The Illustrated Parts List **3**

AUXILIARY DRIVE GEAR **4**

CASE (AUX) **5**

CASE (FRONT) **7**

COMBINATION CYLINDER **9**

COUNTERSHAFT & BRGS(AUX) **10**

COUNTERSHAFT ASSY **11**

FILTER REGULATOR **12**

H & C W/19470 VALVE **13**

H & C W/A-5000 VALVE **14**

INPUT SHAFT & DRIVE GEAR **15**

ISOLATORS **16**

KITS & ASSEMBLIES **17**

LEVERS/HOUSINGS **19**

MAINSHAFT & SYNCHRO(AUX) **21**

MAINSHAFT ASSY **22**

MISCELLANEOUS **24**

REVERSE IDLER **25**

ROADRANGER VALVE **28**

SHIFT BAR HOUSING (STD) **29**

SLAVE VALVE - 19470 ..... **31**

SLAVE VALVE - A-5000 ..... **32**

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).

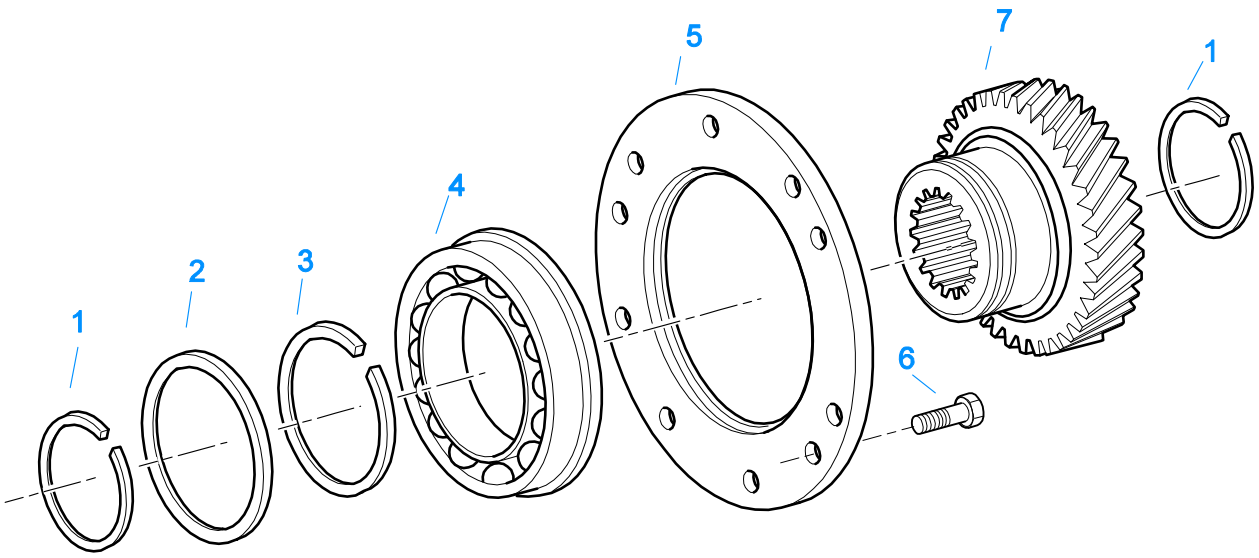
Illustrations

- 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**

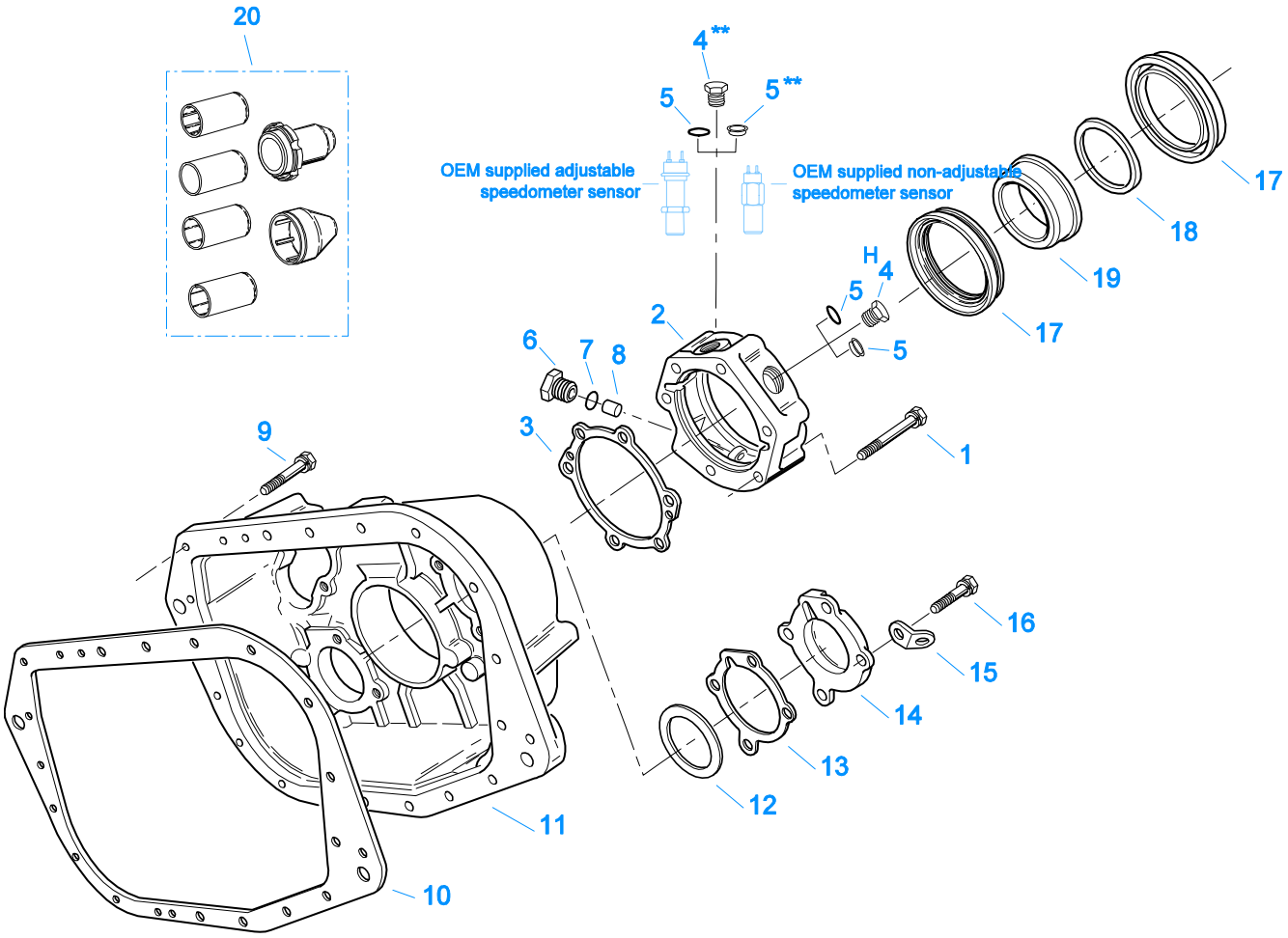


10480-12/92 Aux DG

AUXILIARY DRIVE GEAR

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	16763	SNAP RING		2		K-1986,K-2045,K-2746
2	21320	SNAP RING RETAINER		1		K-1986,K-2045
3	16628	SNAP RING		1		K-2746
4	5566507-BOX	BEARING	5566504,5566507	1		K-1986,K-2045
5	16138	BEARING RETAINER		1		
6	X-8-645	CAPSCREW	X 8 612	6	3/8"-16X1"	
7	23159	AUXILIARY DRIVE GEAR	21321	1		

Group: CASE (AUX)



** Note — Items 4 & 5 / 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

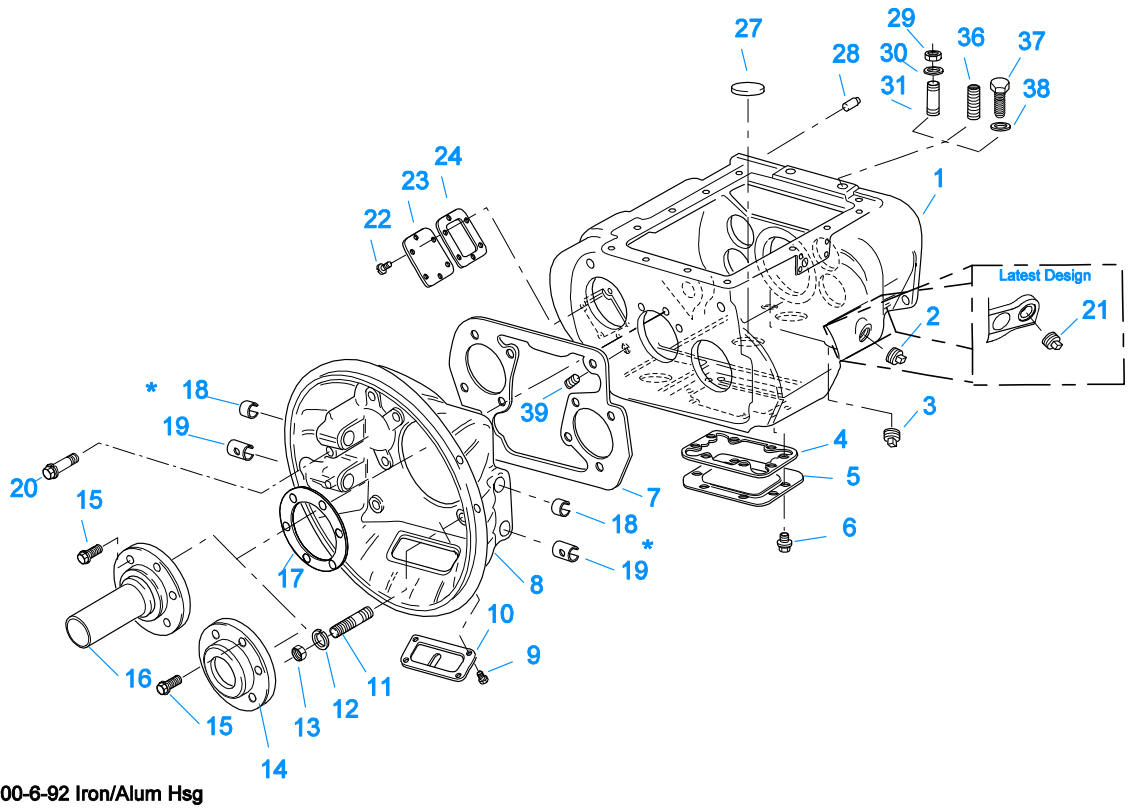
10411-6-94 Aux Case

CASE (AUX)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	X-8L-611	CAPSCREW		6	3/8"-16X3-1/4"	
2	S-2164	REAR BRG COVER ASSY	22733 ,4302026 ,S - 1553 ,S - 2367	1	MECHANICAL AND MAGNETIC	
3	21364	GASKET		1		K-2061,K-2077,K-2262,S-2164
4	20224	PLUG-MAGNETIC		2		S-1554,S-2164
5	13679	-O- RING		1	USE W/OEM SUPPLIED ADJUSTABLE SPEEDOMETER SENSOR NOT TO BE USED WITH 4301954 SEAL	
5	20225	-O- RING		2	USE W/20224 PLUG OR OEM SUPPLIED NON-ADJUSTABLE SPEEDOMETER SENSOR NOT TO BE USED WITH 4301954 SEAL	
5	4301954	SENSOR SEAL		2	O-RING NOT REQUIRED	S-2164
6	20226	PLUG-MECHANICAL	2237	1		S-1554,S-2164
7	14142	-O- RING		1		S-1554,S-2164
8	7992	BUSHING		1		S-2164
9	X-8L-602	CAPSCREW		17	3/8"-16X1-1/2"	
9	X-8L-614	CAPSCREW		2	3/8"-16X2"	
10	14335	GASKET		2		K-2061,K-2077,S-1554
11	21431	REAR HOUSING		1		
11	21627	REAR HOUSING		1	USE W/OIL COOLER	

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
12	K-2805	SHIM KIT	21452 K - 2106	1		K-1986,K-2045,S-1554
13	4305978	GASKET	4302246	2		K-2061,K-2077,K-3470,K-3471,S-1554
14	4302320	COVER	21346	2		S-1554
15	20815	LIFTING EYE	17105	2		S-1554
16	X-8L-604	CAPSCREW		8	3/8"-16X1-1/4"	
17	K-2262	OIL SEAL W/SLINGER	19109 20807 20808	1	"FOR MECHANICAL COVER"	K-1986,K-2045
18	4301960	SEAL		1		A-6299
19	A-6299	SPACER-SLINGER ASSY	21359 ,4301959	1		
20	K-3651	OIL SEAL TOOL KIT		1		

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.

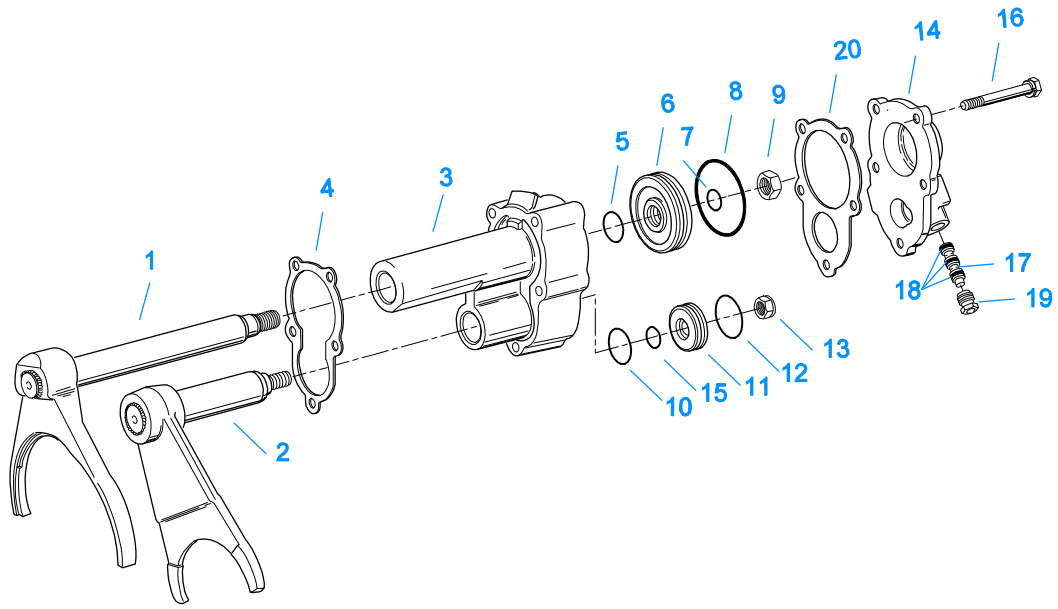
Note: Some part requirements are specific to #1 or #2 Aluminum or Iron Clutch Housings and Push or Pull type Clutch.

CASE (FRONT)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-2209	CASE ASSY	21317,S-1547	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-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 BEARING COVER		1	2" PULL	
14	20552	FRONT BRG COVER		1	1-3/4" PULL	
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	20549	FRONT BEARING COVER		1	2" PUSH	
16	20551	FRONT BRG. COVER		1	1-3/4" PUSH	
17	14311	GASKET		1		K-2061
18	12815	BUSHING		4	FOR #1 HOUSING UPPER	A-3713,A-3723,A-4772,A-6064
18	12815	BUSHING		2	FOR #2 HOUSING UPPER	A-3713,A-3723,A-4772,A-6064
18	8677	BUSHING		1	FOR #2 HOUSING UPPER	A-3713,A-3723,A-4772,A-6064
19	8677	BUSHING		2	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	
21	4304023	PLUG	4303747	1	1-1/16" MAGNETIC, O-RING INCLUDED	S-2209
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-2209
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"	

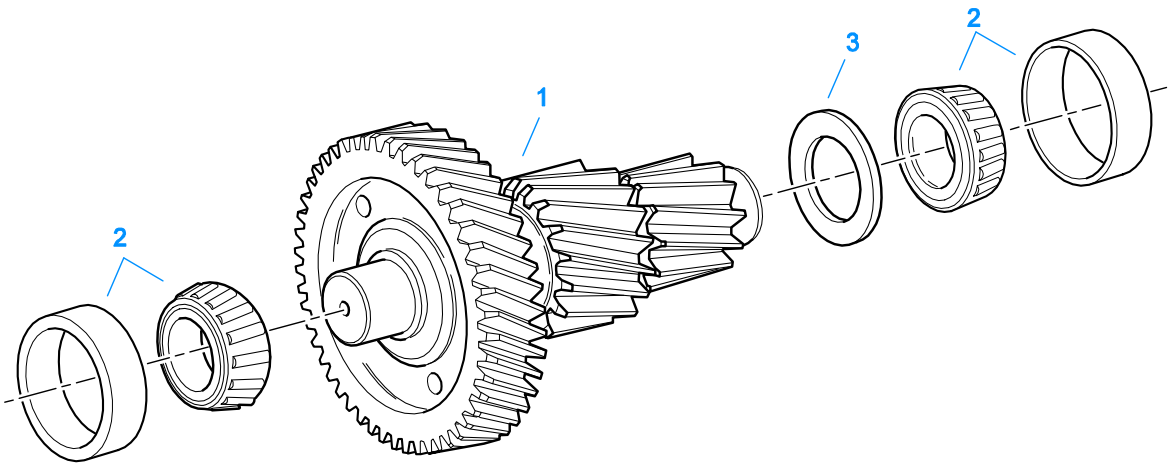
Group: COMBINATION CYLINDER



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,K-2077
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	21338	GASKET		1	USE W/21337 PISTON	K-2054,K-2061,K-2077
15	4301348	-O- RING		1	USE W/4301320 PISTON	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-1986,K-2045
18	13653	-O- RING		3		K-1457
19	15719	PLUG		1		
20	21331	GASKET		1		K-2054,K-2061,K-2077,K-2427

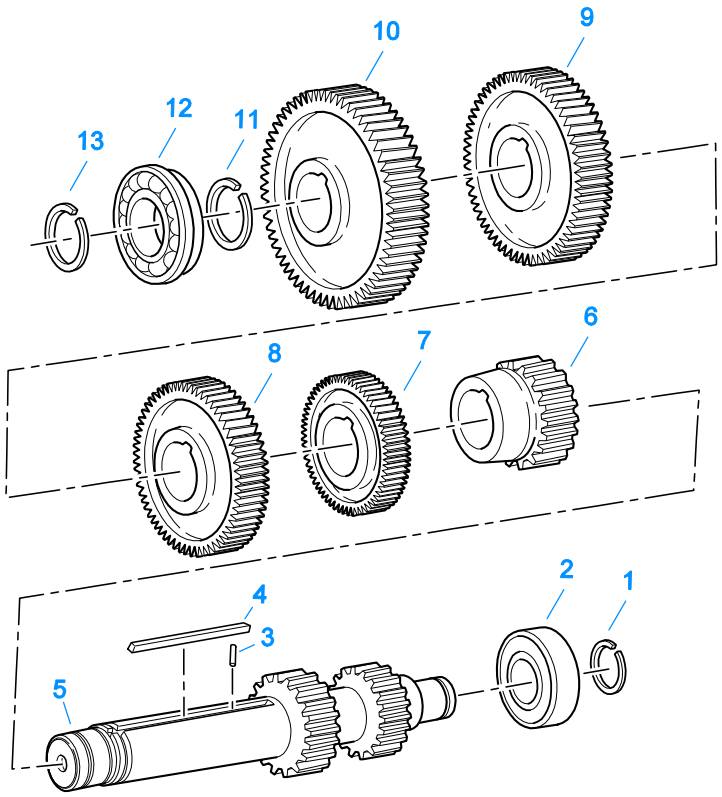


10445-12-93 AUXCS

COUNTERSHAFT & BRGS(AUX)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	K-3499	COUNTERSHAFT REPL KIT	A - 6841	2		
2	4302074-BOX	BEARING	21343,4302074	4		K-1986,K-2045
3	21342	SPACER		2		

Group: COUNTERSHAFT ASSY

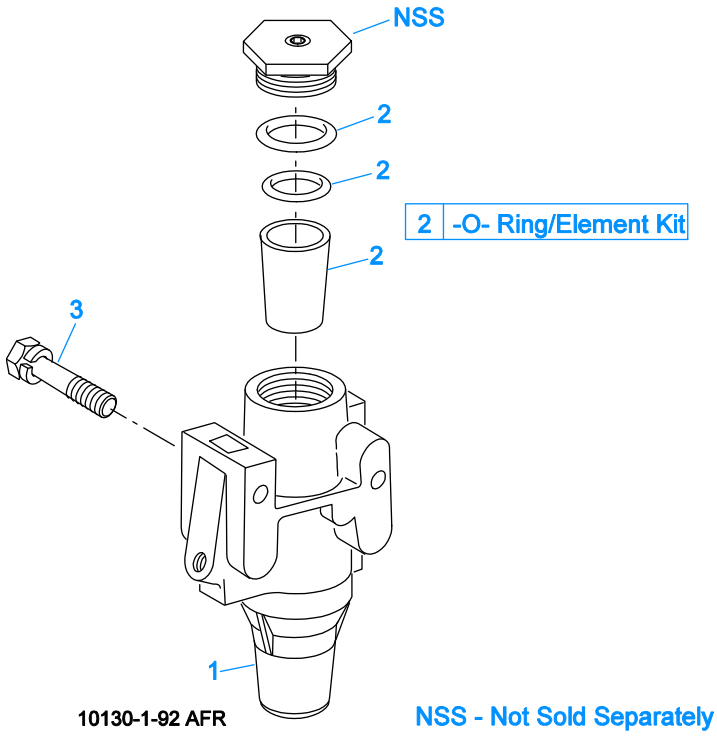


10344-12-93 CS

COUNTERSHAFT ASSY

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	14317	SNAP RING		2		K-1986,K-2045,K-2746
2	14366	BEARING		2		K-1986,K-2045
3	62511	ROLL PIN		2		S-1781
4	16664	KEY		2		
5	20134	COUNTERSHAFT		2		
6	4300293	1ST GEAR-CNTRSHFT	19178	2		
7	19613	2ND GEAR-CNTRSHFT		2		
8	4300289	OD GEAR-CNTRSHFT	19181	2		
9	14307	NO LONGER AVAILABLE		1		
9	14886	NO LONGER AVAILABLE		1		
9	14905	NO LONGER AVAILABLE		2		
10	4300287	DRIVE GEAR-CNTRSHFT	20133	2		
11	20085	SNAP RING		2		K-1986,K-2045
12	81022	BALL BEARING	5566509	2		K-1986,K-2045
13	15253	SNAP RING		2		K-1986,K-2045,K-2746

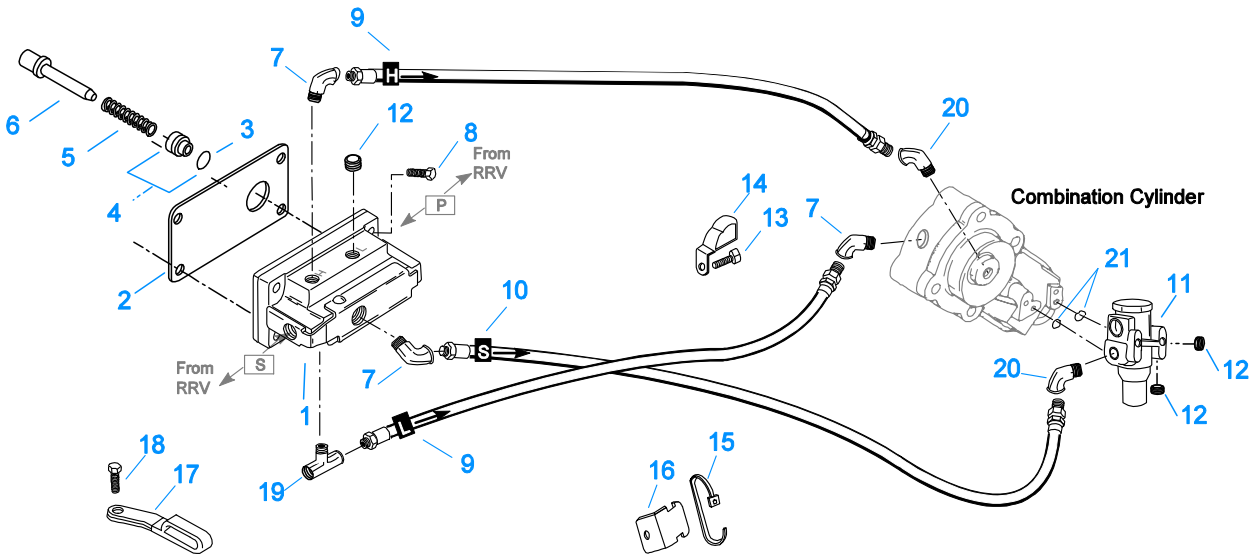
Group: FILTER REGULATOR



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"	

Group: H & C W/19470 VALVE

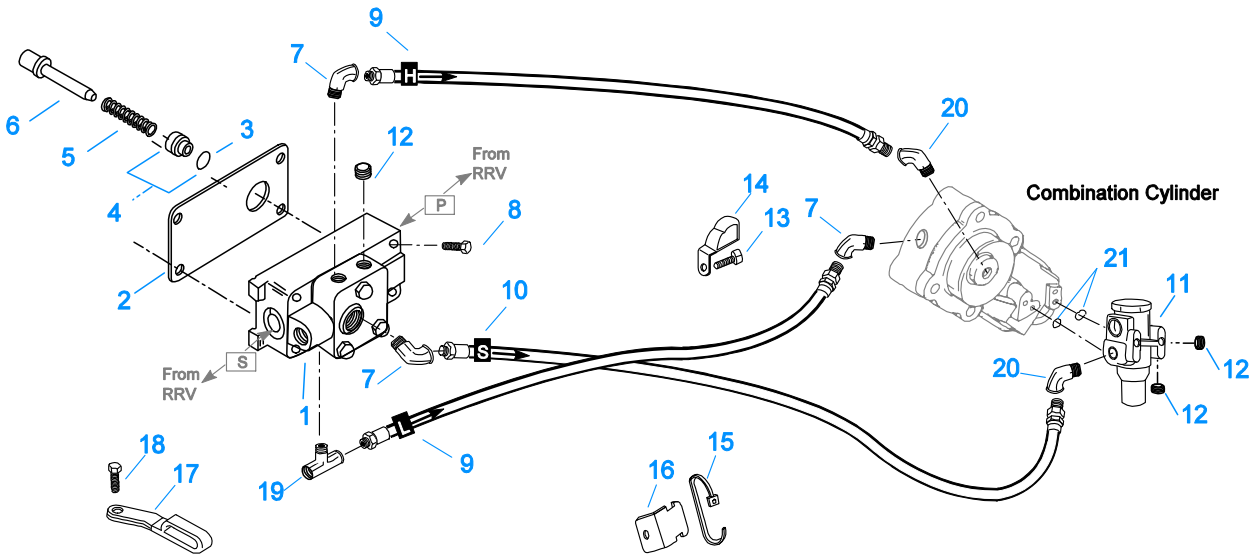


10111F-11-93 19470 HC

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-2061,K-2424
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-401	CAPSCREW		4	1/4"-20X1-1/8"	
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-600	CAPSCREW		1	3/8"-16X1"	
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: H & C W/A-5000 VALVE

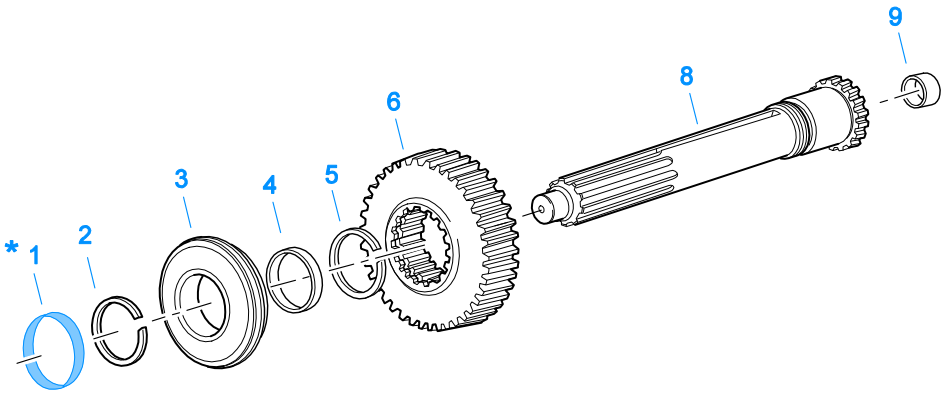


10110H-11-93 A-5000 HC

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		K-2424
2	19481	GASKET		1		K-2061,K-2424
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-600	CAPSCREW		1	3/8"-16X1"	
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

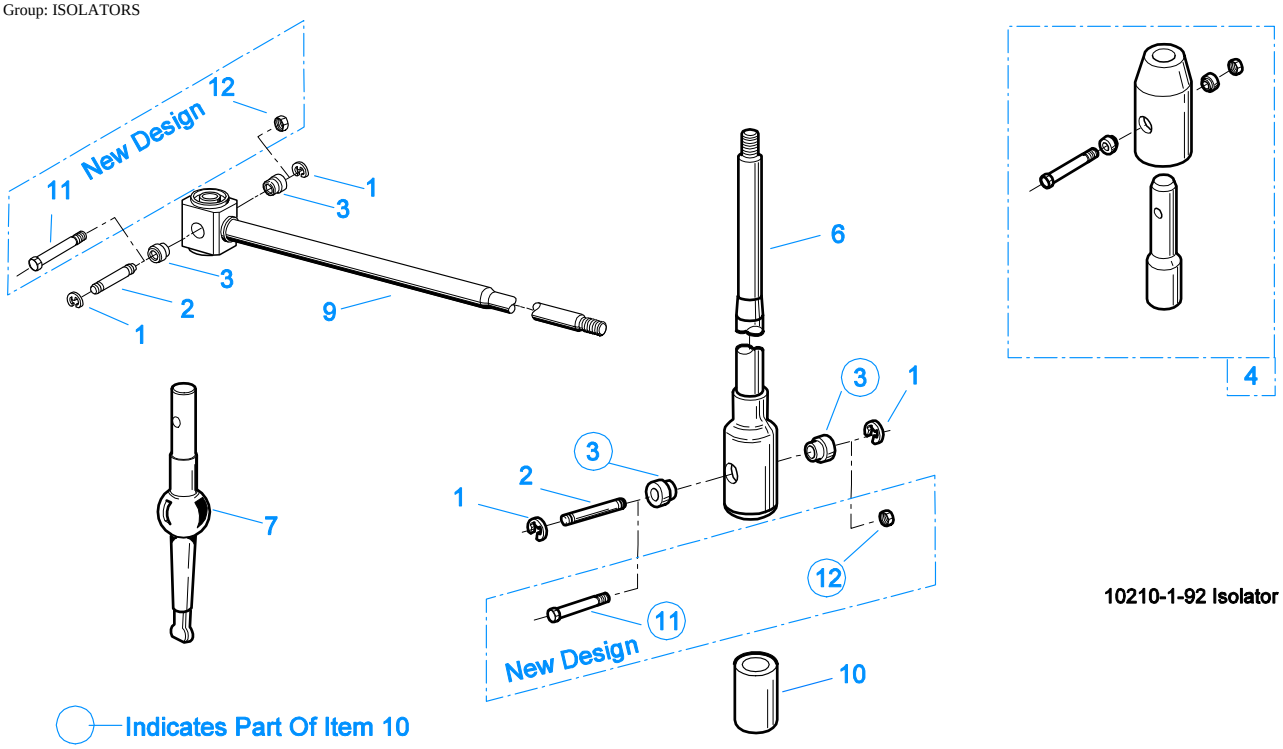
*

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-1986
3	81504	BEARING		1		K-1986,K-2045
4	16396	SPACER		1		
5	14289	SNAP RING		1		K-1986,K-2045,K-2746
6	K-2321	UPDATE KIT	14654 ,19168 ,19182	1		
8	S-1661	INPUT SHAFT ASSY	20540 23569 ,691518	1	2" PULL - USE W/FBC 20550	K-1986
8	S-1662	INPUT SHAFT ASSY	20541 ,23570 ,4300430 ,S - 1507	1	2" PUSH - USE W/FBC 20549	
8	S-2916	INPUT SHAFT ASSY	20530 ,4304354	1	1-3/4" PUSH	
8	S-2917	INPUT SHAFT ASSY	20531 ,4304355	1	1-3/4" PULL	
9	16566	BUSHING		1		K-2045,S-1661,S-1662

Group: ISOLATORS



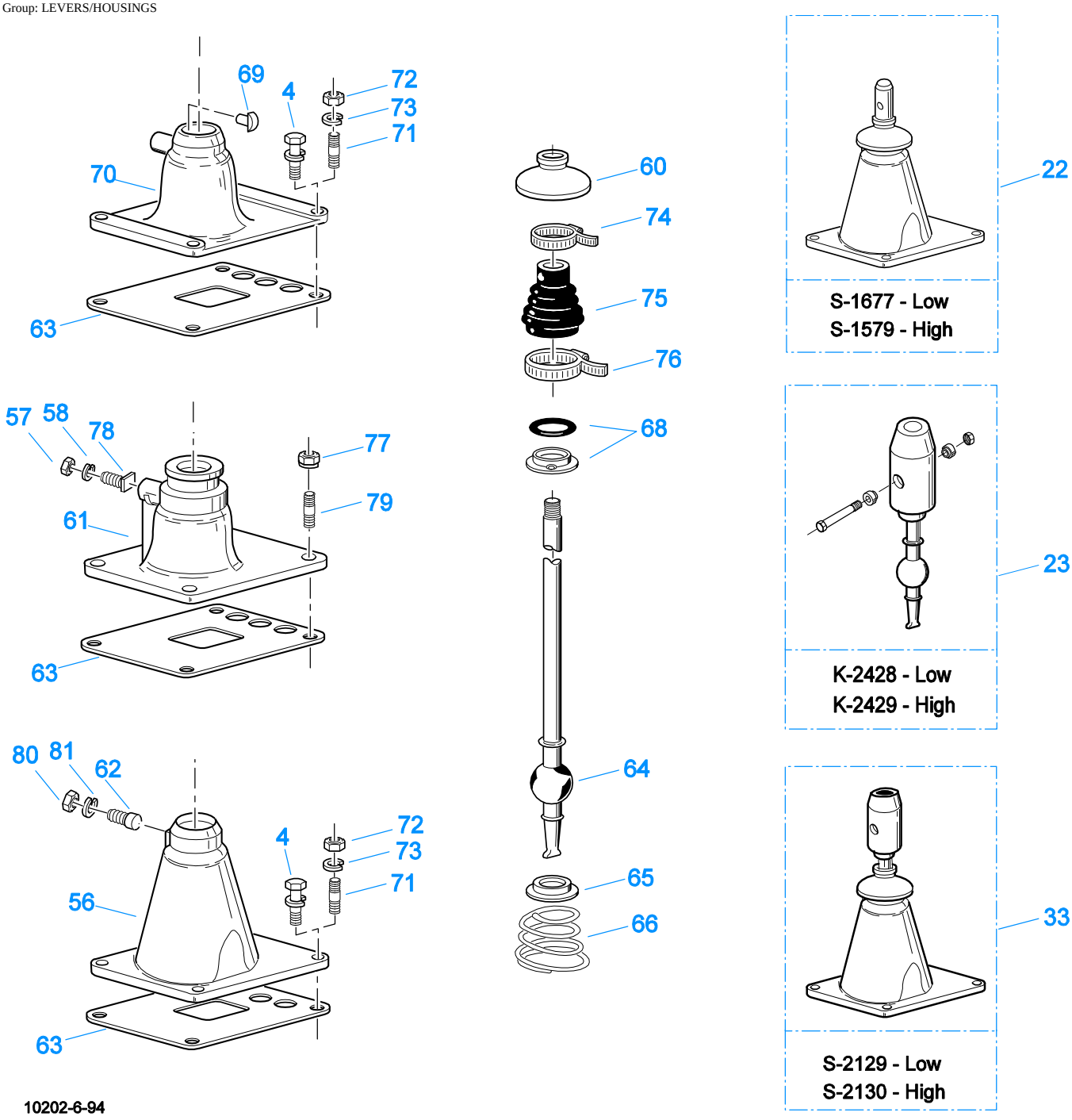
10210-1-92 Isolator

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

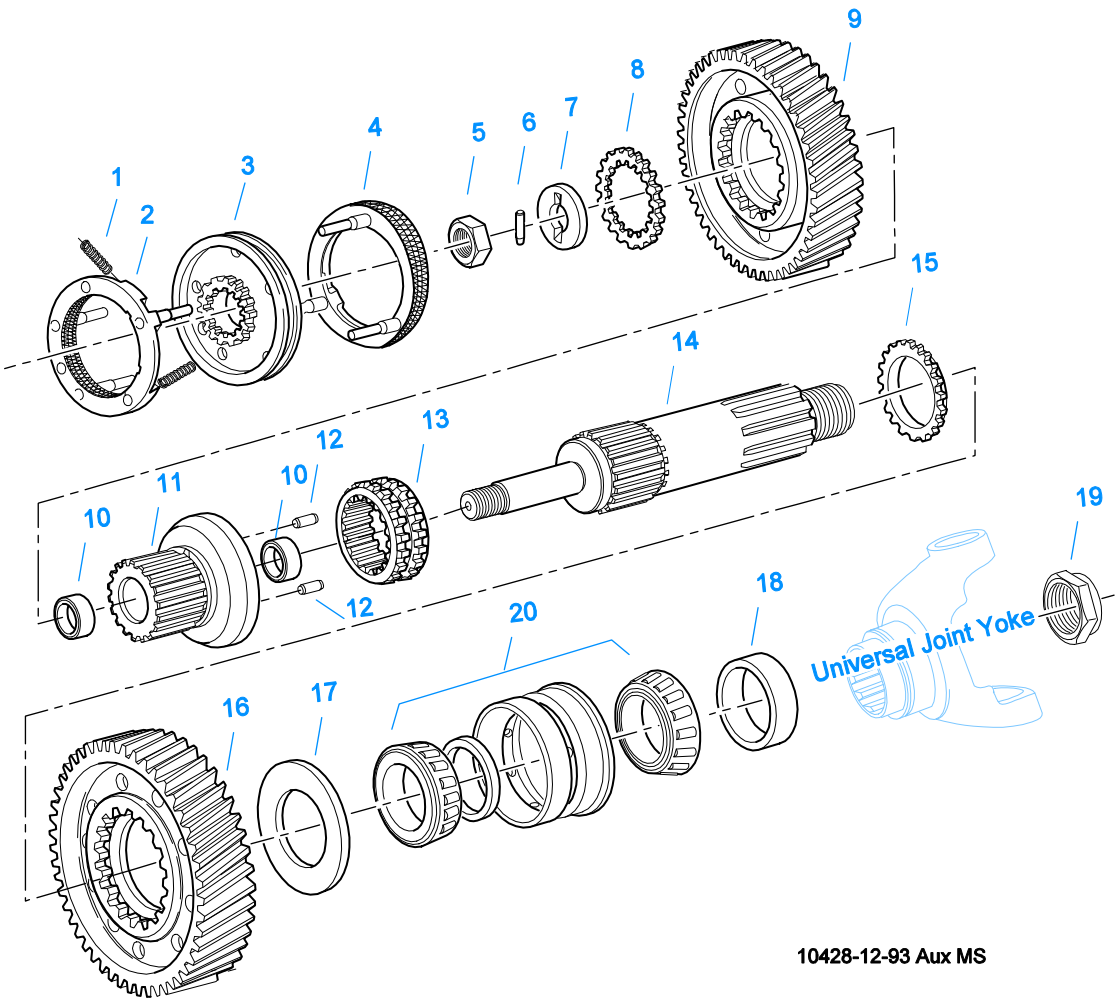
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
	K-1457	-O- RING KIT		1	FOR INSERT VALVE	
	K-1476	SHIFT LEVER HSG	4530 ,17163 ,18298 ,4304905 ,A - 4437	1	LOW TOWER	
	K-1631	SHIFT LEVER HSG	14456 ,17168 ,4304327	1	LOW	
	K-1698	-O- RING/ELEMENT KIT		1	FOR FILTER REGULATOR	
	K-1922	MASTER VALVE REPAIR KIT		1	FOR A-5015 VALVE	
	K-1935	REPAIR KIT-SLAVE VALVE		1	FOR A-5000 VALVE	
	K-1969	SLEEVE KIT	14362 ,19460 ,21446	1	FOR SLAVE VALVE	
	K-1986	BASIC OVERHAUL KIT		1		
	K-2003	PIN & BUSHING KIT		1		
	K-2045	BASIC REBUILD KIT		1		
	K-2054	-O- RING KIT		1	FOR COMBINATION CYLINDER	K-1986,K-2045
	K-2055	MASTER VALVE REPAIR KIT		1	FOR A-5315 VALVE	
	K-2061	GASKET KIT		1		K-1986,K-2045
	K-2077	GASKET KIT		1	FOR AUXILIARY SECTION	
	K-2170	FILTER REG KIT	A - 5454	1		
	K-2262	OIL SEAL W/SLINGER	19109 20807 20808	1	"FOR MECHANICAL COVER"	K-1986,K-2045
	K-2321	UPDATE KIT	14654 ,19168 ,19182	1		
	K-2394	AIR SYSTEMS TOOL KIT		1		
	K-2424	VALVE REPLACEMENT KIT	19470	1		
	K-2427	PISTON KIT	21337 ,4301320	1		
	K-2428	LEVER REPLACEMENT KIT		1	LOW TOWER	
	K-2429	LEVER REPLACEMENT KIT		1	HIGH TOWER	
	K-2489	KEY & WASHER KIT	21339	1	CONTAINS 3-SIDED KEY	
	K-2746	SMALL PARTS KIT		1		
	K-2805	SHIM KIT	21452 K - 2106	1		K-1986,K-2045,S-1554
	K-2973	SHIFT LEVER HSG KIT	17166 ,17167 ,4303050 ,4304910 ,K - 1630 K - 1941	1	HIGH TOWER	
	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-3399	ISOLATOR BUSHING KIT	21244 ,23311	1		
	K-3467	PIN REPLACEMENT KIT	21245	1		
	K-3470	OIL COOLER KIT	K - 3210	1		
	K-3471	PUMP INSTALLATION KIT	K - 3126	1		
	K-3491	SYNCHRONIZER KIT	K - 2445	1	LO RANGE / SMALL PIN	
	K-3492	SYNCHRONIZER KIT	K - 2446	1	LO RANGE / LARGE PIN	
	K-3499	COUNTERSHAFT REPL KIT	A - 6841	1		
	K-3651	OIL SEAL TOOL KIT		1		
	S-1516	CAP ASSY	20851 ,20853	1	FOR A-5000 VALVE	
	S-1554	RANGE SECTION ASSY		1		
	S-1661	INPUT SHAFT ASSY	20540 23569 ,691518	1	2" PULL	K-1986
	S-1662	INPUT SHAFT ASSY	20541 ,23570 ,4300430 ,S - 1507	1	2" PUSH	
	S-1781	MAINSHAFT ASSY	4300285 ,S - 1551	1		
	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-2164	REAR BRG COVER ASSY	22733 ,4302026 ,S - 1553 ,S - 2367	1	MECHANICAL AND MAGNETIC	
	S-2209	CASE ASSY	21317,S-1547	1		
	S-2547	ROADRANGER VALVE ASSY	A - 5036	1	RTO - W/SHIFT DIAGRAM MEDALLION	
	S-2916	INPUT SHAFT ASSY	20530 ,4304354	1	1-3/4" PUSH	
	S-2917	INPUT SHAFT ASSY	20531 ,4304355	1	1-3/4" PULL	



LEVERS/HOUSINGS

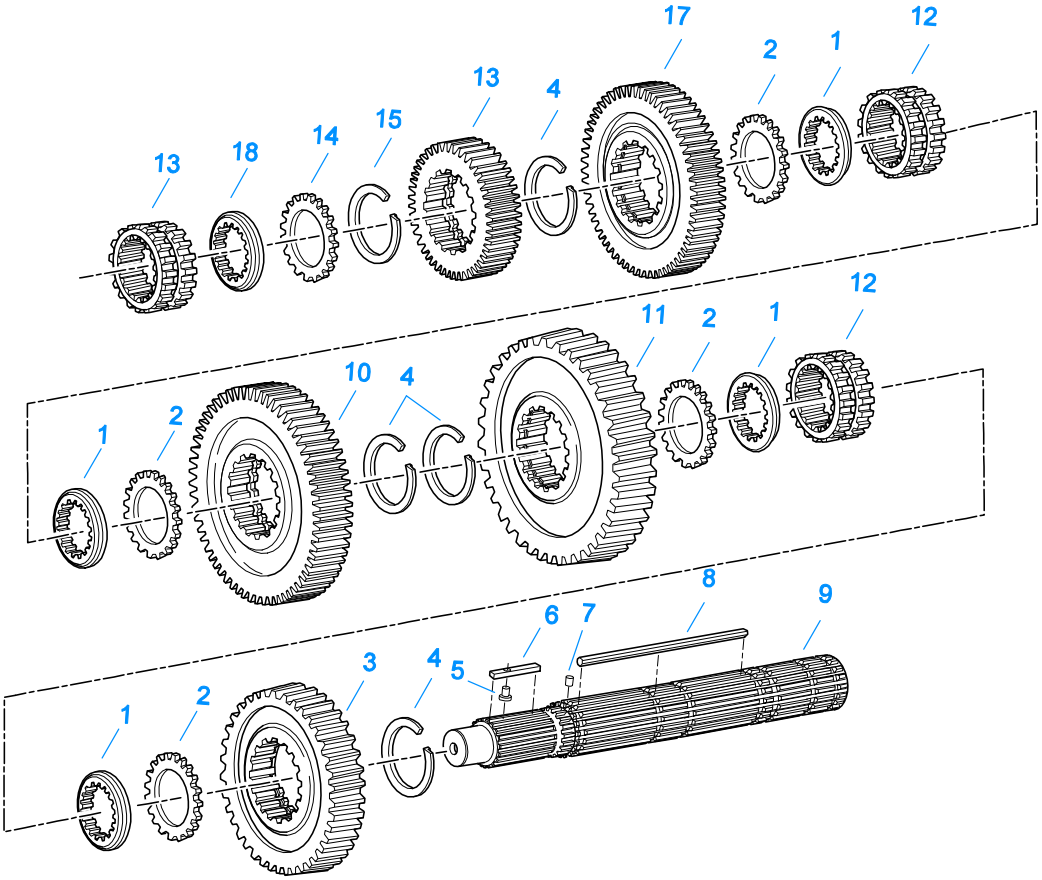
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
4	X-8C-604	CAPSCREW		4	3/8"-16X1-1/4"	
22	S-1579	SHIFT TOWER ASSY		1	HIGH TOWER	
22	S-1677	SHIFT TOWER ASSY		1	LOW TOWER	
23	K-2428	LEVER REPLACEMENT KIT		1	LOW TOWER	
23	K-2429	LEVER REPLACEMENT KIT		1	HIGH TOWER	
33	S-2129	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-2061,K-2428,K-2429,K-2973,K-3470,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"	



MAINSHAFT & SYNCHRO(AUX)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	14897	SPRING		3		K-1986,K-2045,K-2746,K-3491,K-3492
2	A-7331	SYNCHRONIZER ASSY	4304396 4304397 A - 5917	1	HI RANGE	K-3491,K-3492
3	20323	SLIDING CLUTCH		1		
4	A-7254	SYNCHRONIZER ASSEMBLY	A - 4937 A - 5876	1	LO RANGE	K-3492
5	21365	NUT		1		K-2746
6	17332	DOWEL PIN		1		K-2746
7	21347	WASHER		1		K-2746
8	21350	WASHER		1		K-2746
9	21319	REDUCTION GEAR		1		
10	21352	BUSHING		2		A-5156,K-1986,K-2045
11	A-5156	MAINSHAFT ASSY	21351	1		
12	21652	PIN		2		K-2746
13	21360	SLIDING CLUTCH		1		
14	21325	MAINSHAFT		1		
15	21354	WASHER		1		K-2746
16	21361	DEEP REDUCTION GEAR		1		
17	21358	WASHER		1		K-2746
18	20191	ROTOR	16295	1		
19	22254	NUT	11956	1		S-1554
20	21356-BOX	BEARING	21356	1		K-1986,K-2045



10331-12-94 MS

MAINSHAFT ASSY

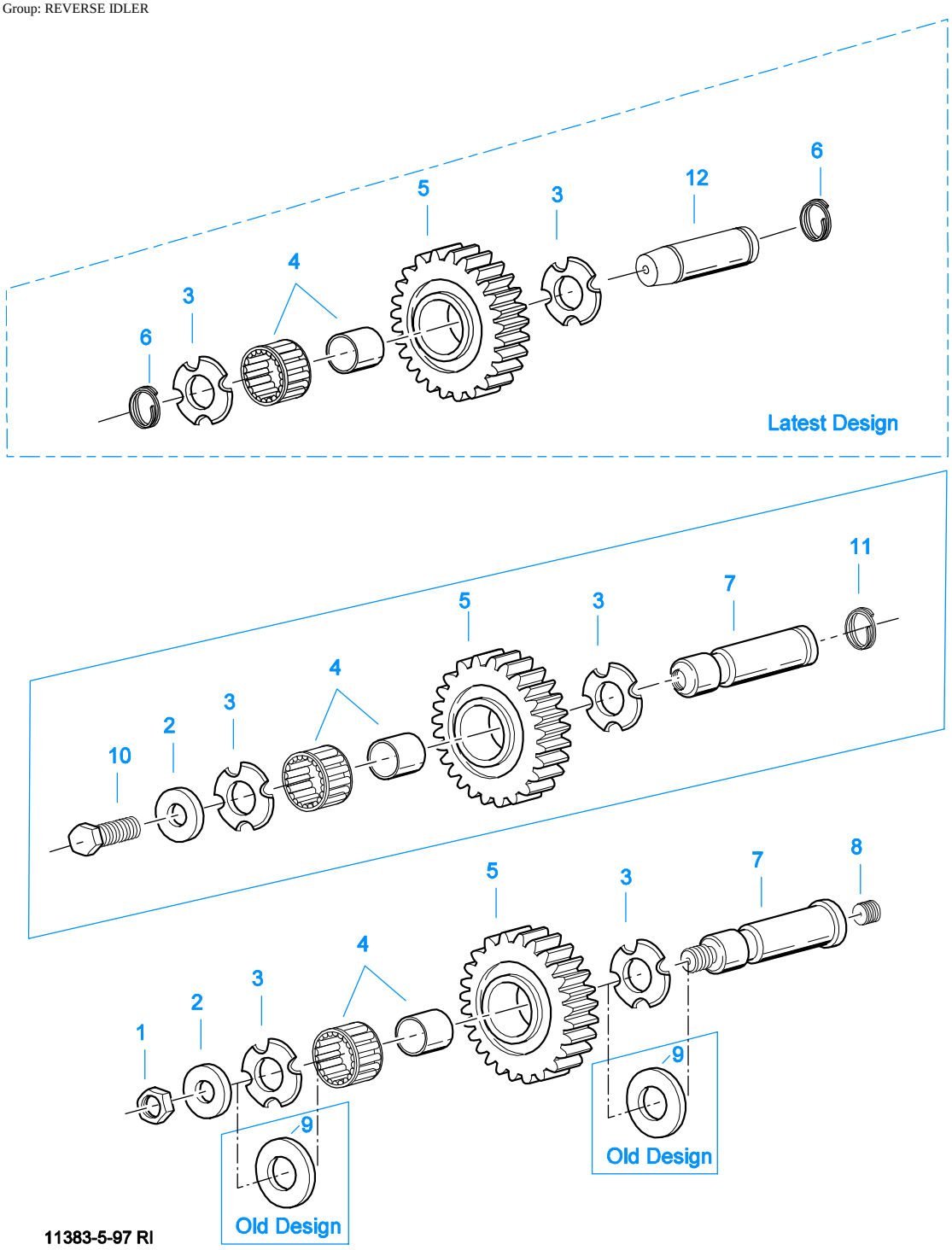
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	14711	WASHER .248-.250 WHITE	18701	4		
1	14712	WASHER .253-.255 GREEN	18702	4		
1	14713	WASHER .258-.260 ORANGE	18703	4		
1	14714	WASHER .263-.265 PURPLE	18704	4		
1	14715	WASHER .268-.270 YELLOW	18705	4		
1	14716	WASHER .273-.275 BLACK	18706	4		
1	4300382	WASHER .249-WHITE		4	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 4 WASHERS. USE WITH 3-SIDED KEY	K-2489,K-2746
1	4300383	WASHER .254-GREEN		4	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 4 WASHERS. USE WITH 3-SIDED KEY	K-2489,K-2746
1	4300384	WASHER .259-ORANGE		4	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 4 WASHERS. USE WITH 3-SIDED KEY	K-2489,K-2746
1	4300385	WASHER .264-PURPLE		4	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 4 WASHERS. USE WITH 3-SIDED KEY	
1	4300386	WASHER .269-YELLOW		4	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 4 WASHERS. USE WITH 3-SIDED KEY	
1	4300387	WASHER .274-BLACK		4	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 4 WASHERS. USE WITH 3-SIDED KEY	
1	4300830	WASHER .244-BLUE		4	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 4 WASHERS. USE	K-2489,K-2746

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
					WITH 3-SIDED KEY	
2	14749	SPACER		4		K-2746
3	19313	REVERSE GEAR-MAINSHAFT		1		
4	14750	SNAP RING		4		K-2746
5	14832	PIN		1		A-3456
6	A-3456	KEY & PIN ASSY	14884	1		
7	62511	ROLL PIN		1		S-1781
8	4300976	3-SIDED KEY		1	MUST USE MATCHING WASHERS	K-2489,K-2746
8	K-2489	KEY & WASHER KIT	21339	1	CONTAINS 3-SIDED KEY	
9	S-1781	MAINSHAFT ASSY	4300285 ,S - 1551	1		
10	4300292	1ST GEAR-MAINSHAFT	19177	1		
11	4300294	LO GEAR-MAINSHAFT	19082	1		
12	14709	SLIDING CLUTCH		2		
13	K-2321	UPDATE KIT	14654 ,19168 ,19182	1		
14	14273	SPACER		1		K-2746
15	14289	SNAP RING		1		K-1986,K-2045,K-2746
17	4300290	2ND GEAR-MAINSHAFT	19612	1		
18	14274	WASHER .248-.250 WHITE	18717	1		K-2746
18	14276	WASHER .258-.260 ORANGE	18719	1		
18	14277	WASHER .263-.265 PURPLE	18720	1		
18	14278	WASHER .268-.270 YELLOW	18721	1		
18	14279	WASHER .273-.275 BLACK	18722	1		
18	4300512	WASHER .253-.255 GREEN	14275 ,18718	1		

MISCELLANEOUS

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
	20464	SHIFT DIAGRAM LABEL		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)	K-3470,K-3471
	71205	SEALANT		1	2 CC (SINGLE APPLICATION SIZE)	K-1986,K-3470
	71206	SILICONE LUBE		1	4 CC (SINGLE APPLICATION SIZE)	K-2054,K-2428,K-2429

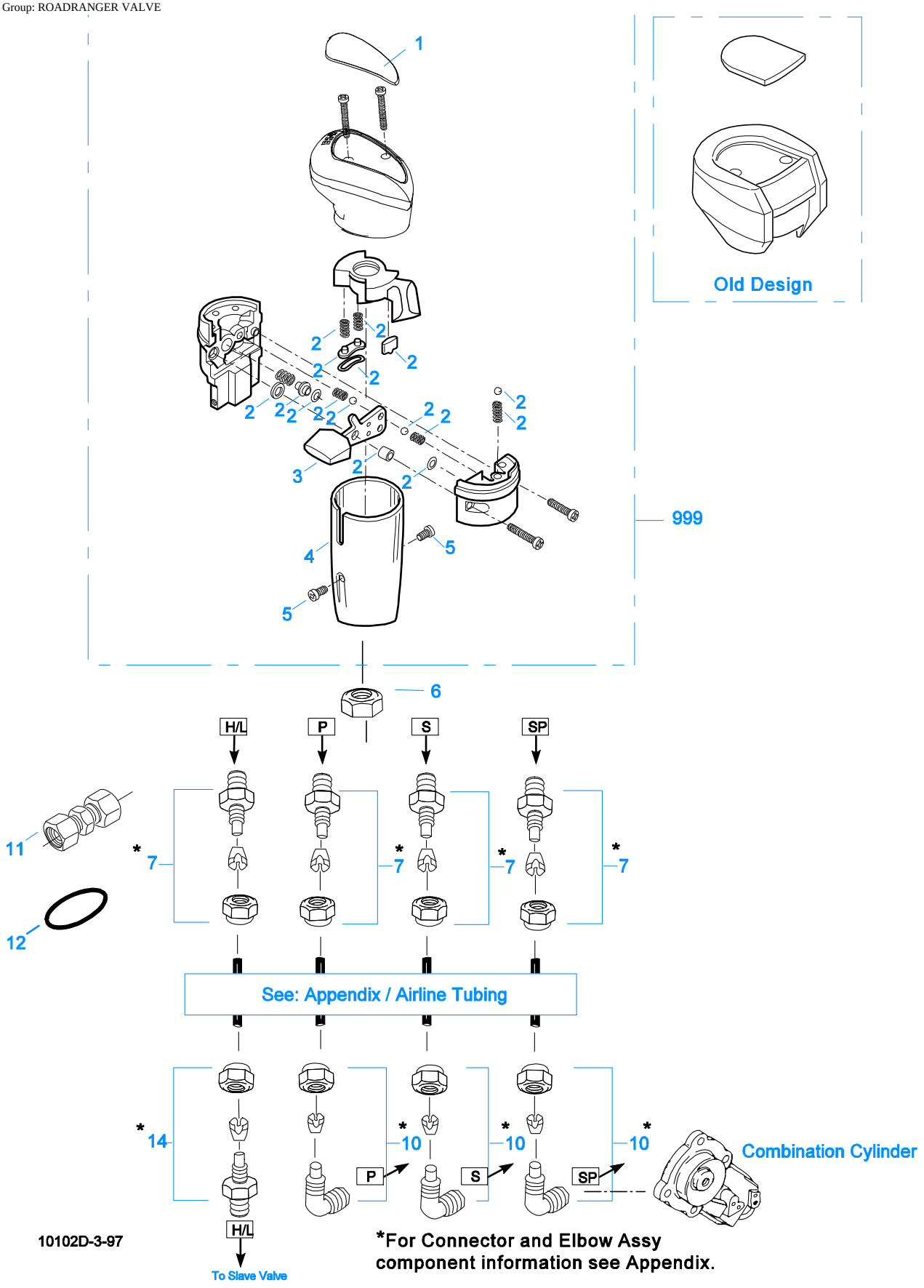
Group: REVERSE IDLER



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		
3	4302982	WASHER	14282	4		K-3209,S-2209
4	14287	BEARING	4305020	2		K-1986,K-2045
5	16757	REVERSE IDLER GEAR	22409	2		
6	4303336	RETAINING RING		4		K-3209
7	K-3209	IDLER SHAFT REPL KIT	16405 ,4302981 ,4305513	2		
8	5202	PLUG		2		

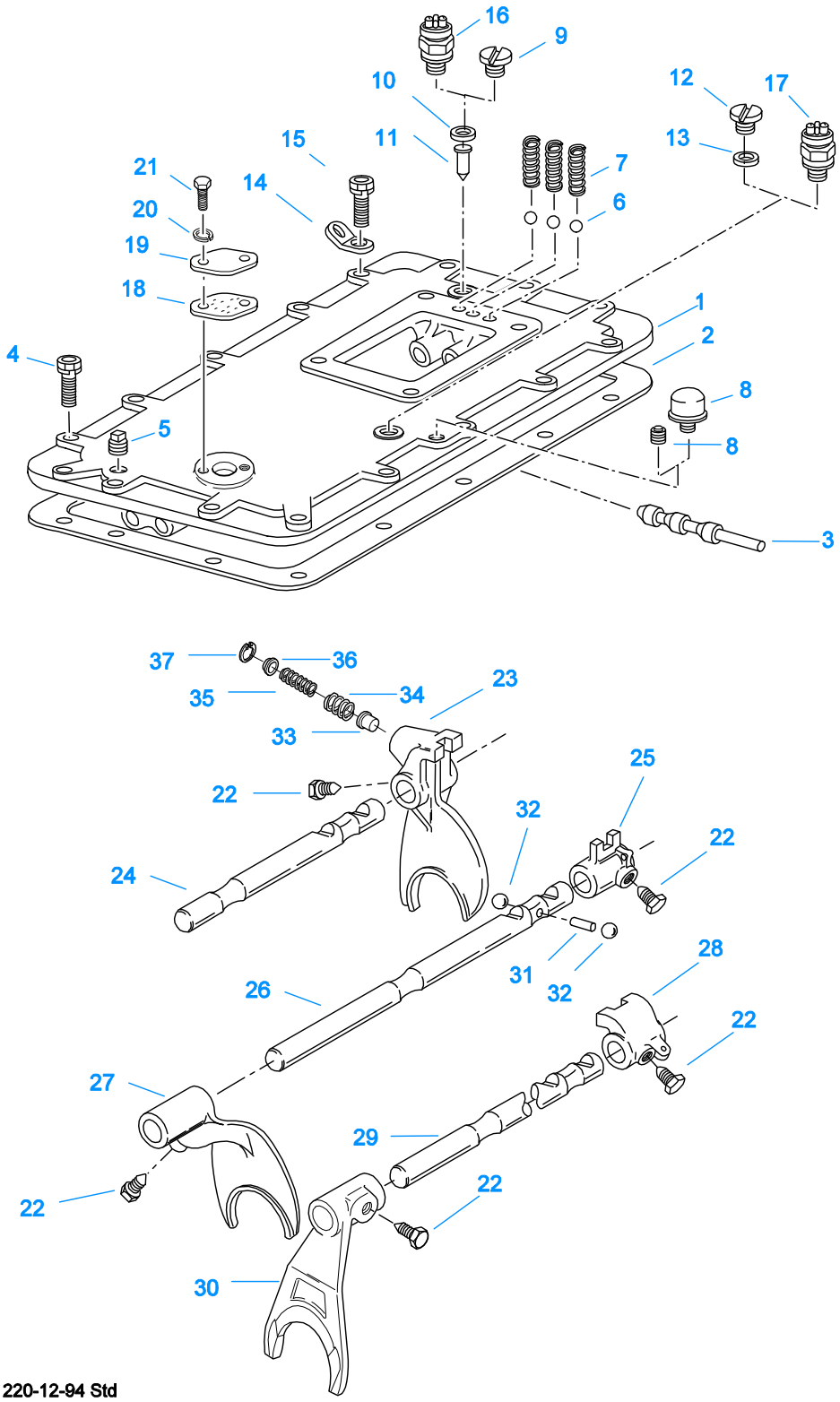
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
9	14282	NO LONGER AVAILABLE		4		
10	X-7-1008	CAPSCREW		2	5/8"-18X1-1/4	
11	4303336	RETAINING RING		2		K-3209
12	4305513	IDLER SHAFT		2		K-3209


1
2
3
4
5
6
999
Old Design
H/L
P
S
SP
11
12
* 7
See: Appendix / Airline Tubing
* 14
* 10
Combination Cylinder
To Slave Valve
10102D-3-97
*For Connector and Elbow Assy component information see Appendix.

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	21691	LOGO MEDALLION	4302349, 4300370	1	(OLD DESGIN) FULLER LOGO (LEFT OF DRIVER)	
1	5586100	MEDALLION, LOGO		1	(LATEST DESIGN) FULLER LOGO ONLY	A-6915,A-7315
1	5586103	SHIFT DIAGRAM MEDALLION		1	RTO	S-2547
2	K-1922	MASTER VALVE REPAIR KIT		1	FOR A-5015 VALVE	
2	K-2055	MASTER VALVE REPAIR KIT		1	FOR A-5315 VALVE	
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	
10	85001	ELBOW ASSY	84501	3	5/32"TUBE-1/8"NPTF	K-1986
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-1986
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-2547	ROADRANGER VALVE ASSY	A - 5036	1	RTO - W/SHIFT DIAGRAM MEDALLION	

Group: SHIFT BAR HOUSING (STD)



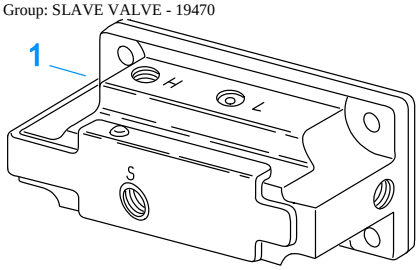
11220-12-94 Std

SHIFT BAR HOUSING (STD)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-1434	NO LONGER AVAILABLE	20313	1	HOUSING ONLY	
2	4302676	GASKET	14918	1		K-2061,K-3470
3	20332	AIR VALVE SHAFT	17177	1		
4	X-8L-604	CAPSCREW		16	3/8"-16X1-1/4"	

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
5	X-12-603	PIPE PLUG	X12 602	1	3/8" NPT	
6	X-14-800	STEEL BALL		3	1/2"	
7	15918	SPRING		3		K-1986,K-2746
8	4304602	BREATHER	23605	1	1/4" NPT	K-3470
8	X-12-404	PIPE PLUG		1	1/4" NPT	
9	4303656	PLUG	15917	1		S-1434
10	15900	GASKET		1		S-1434
11	15899	PIN		1		S-1434
12	4303655	PLUG	17178	1		S-1434
13	17179	GASKET		1		S-1434
14	20815	LIFTING EYE	17105	2		S-1554
15	X-8L-602	CAPSCREW		2	3/8"-16X1-1/2" USE W/20815 LIFTING EYES	
16	22940	REVERSE LIGHT SWITCH	16830	1	SWITCH NORMALLY OPEN	
17	22941	NEUTRAL LIGHT SWITCH	12639	1	SWITCH NORMALLY CLOSED	
18	20209	GASKET		1		K-2061,S-1434
19	20199	PLATE	18724	1		S-1434
20	X-3-400	LOCKWASHER		2	1/4"	
21	X-8-406	CAPSCREW		2	1/4"-20X3/4"	
22	3220	LOCKSCREW		5		
23	19809	SHIFT YOKE		1	LO/REVERSE	
24	19986	YOKE BAR		1	LO/REVERSE	
25	20014	NO LONGER AVAILABLE		1	1ST/2ND	
26	19987	YOKE BAR		1	1ST/2ND	
27	16135	SHIFT YOKE		1	1ST/2ND	
28	19078	SHIFT BLOCK		1	3RD/OD	
29	19988	NO LONGER AVAILABLE		1	3RD/OD	
29	19992	NO LONGER AVAILABLE		1	3RD/OD - W/ROAD SPEED GOVERNOR	
30	4300536	SHIFT YOKE	19878	1	3RD/OD	K-2321
31	1634	INTERLOCK PIN		1		K-2746
32	X-14-1200	STEEL BALL		2	3/4"	
33	19790	PLUNGER		1		
34	19791	SPRING		1		
35	19838	SPRING		1		
36	19792	RETAINER		1		
37	19793	SNAP RING		1		A-5000,K-1935

Group: SLAVE VALVE - 19470

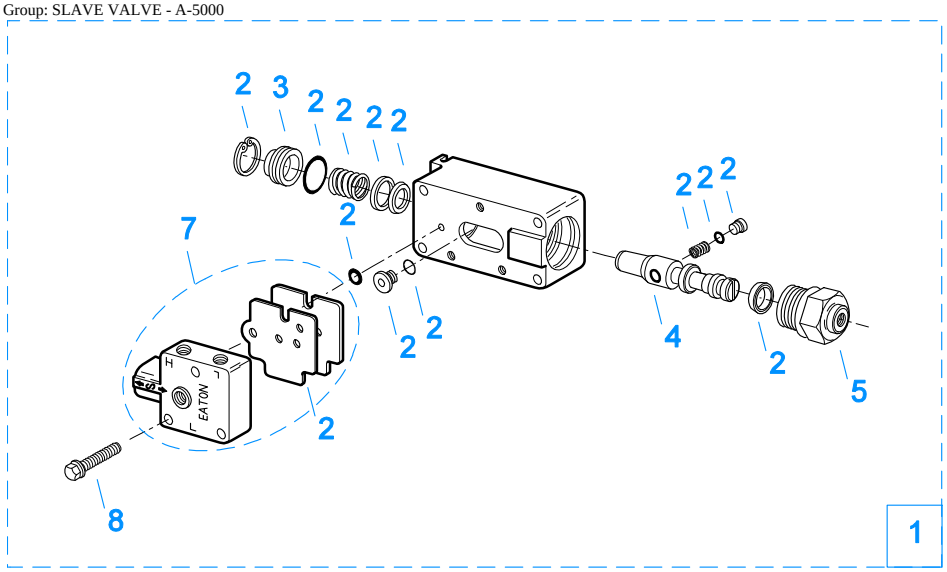


10121-1/92 19470 SV

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-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"	