Roadranger® More time on the road®

Illustrated Parts List

RTOF-11909ALL
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).

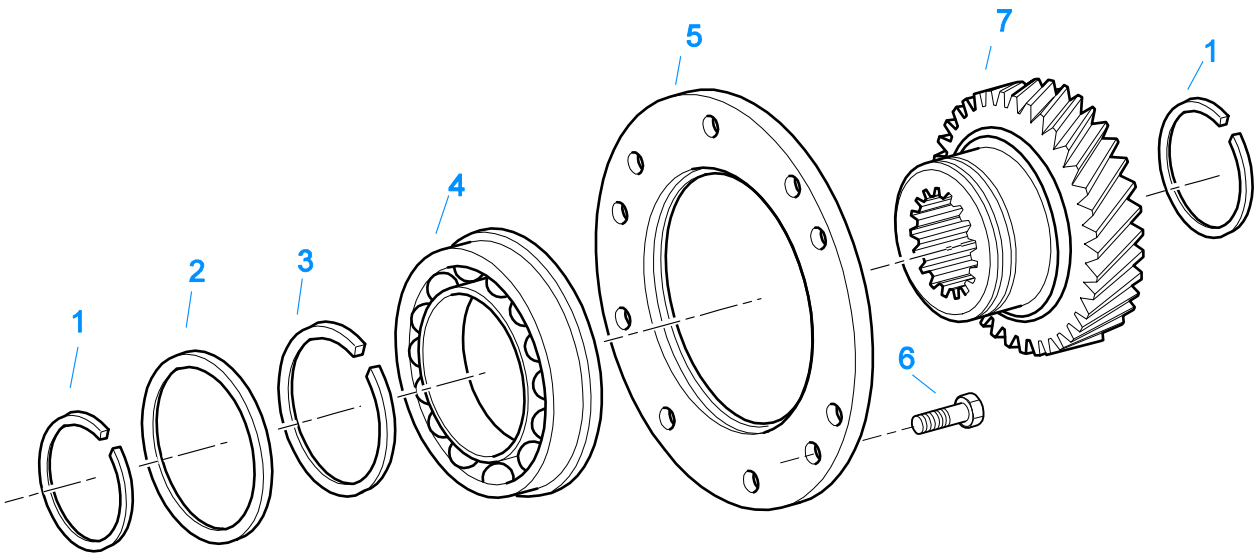
Illustrations

- 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

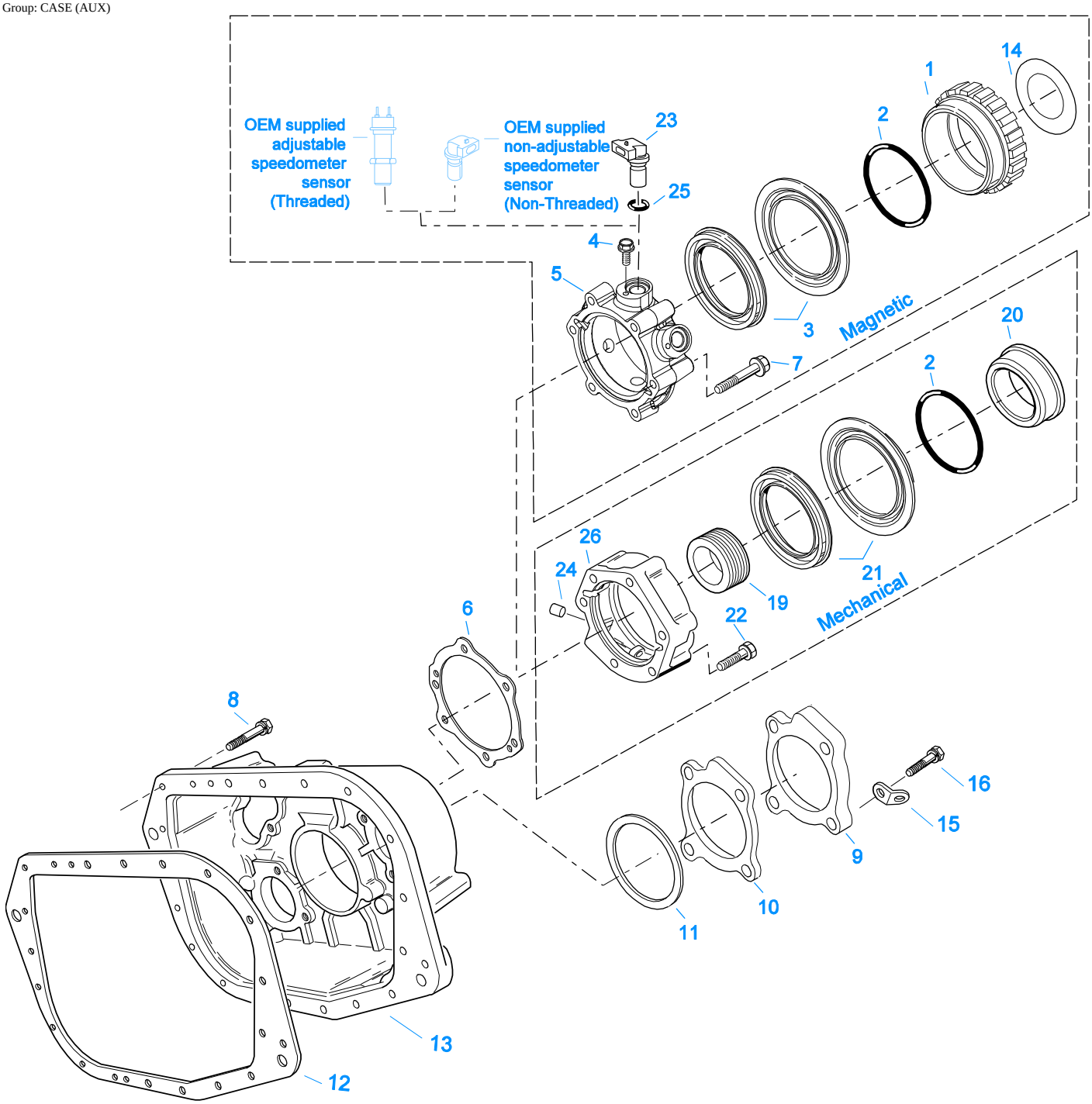
- **Item Number** - corresponding with numbers on illlustrations for part identification.
- **Current Part** - indentifies part as it is available for service.
- **Description** - specifies part name or description.
- **Replaced Part** - quantity quantity required for assembly.
- **Quantity** - defines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



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-3260,K-3283,K-3661
2	21320	SNAP RING RETAINER		1		
3	16628	SNAP RING		1		K-3260
4	5566507-BOX	BEARING	5566504,5566507	1		K-3283,K-3661
5	16138	BEARING RETAINER		1		
6	X-8-645	CAPSCREW	X 8 612	6	3/8"-16X1"	
7	23159	AUXILIARY DRIVE GEAR	21321	1		



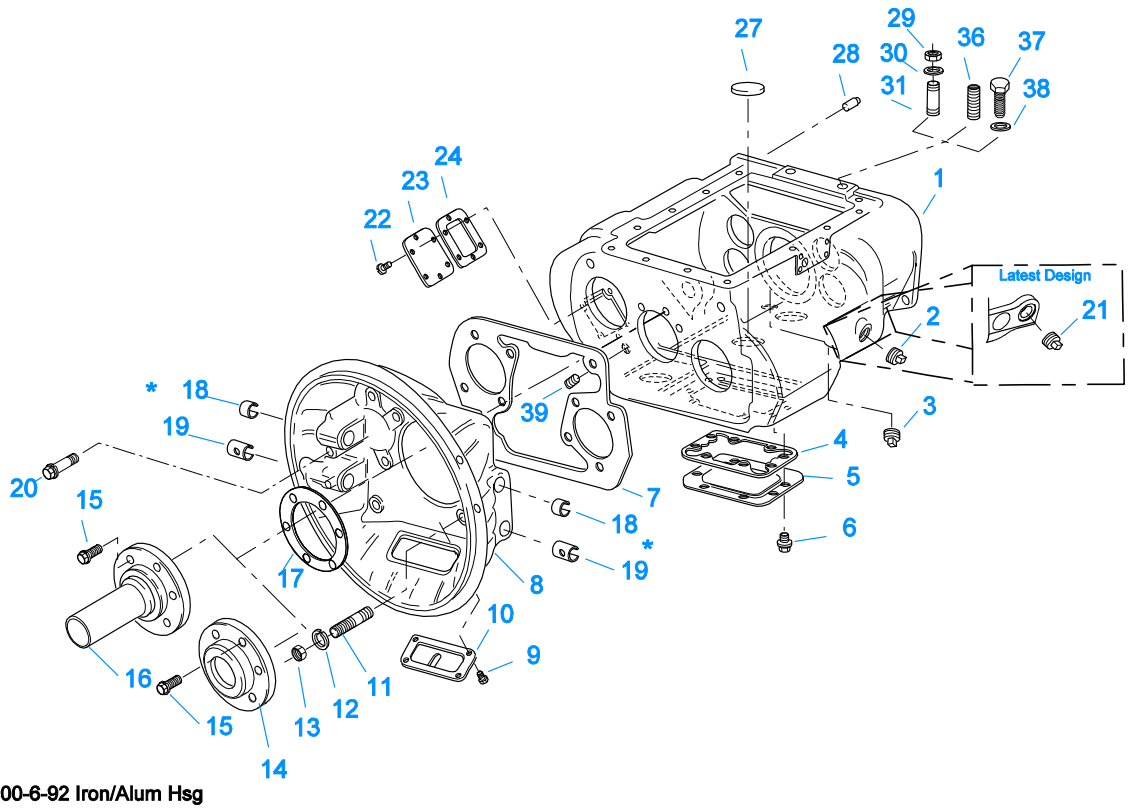
10419-2-97

CASE (AUX)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-2501	SPEEDO ROTOR ASSY	4302242	1	MAGNETIC	
2	5568511	-O- RING		1		K-2918,S-2501,S-2503,S-2809,S-2834
3	K-2918	OIL SEAL KIT	4302322 4302323	1	"FOR MAGNETIC COVER"	K-3283,K-3661
4	X-8-0801M	CAPSCREW		2	M8 X 1.25 X 12MM	
5	S-2809	REAR BEARING COVER ASSY	4302332 ,4303872 ,4304652 ,4305830	1	PUSH-IN/THREAD-IN MAGNETIC PICK-UP	
6	1009551	GASKET - RED EDGE MOLDED		1	RED EDGE MOLDED GASKET - UNCOMPRESSED THICKNESS .043 -	K-2061,K-2262,K-2918,S-2502,S-2809,S-

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
					.051 - NOT INTERCHANGEABLE WITH ANY OTHER GASKET	2859
6	4302247	GASKET - PURPLE EDGE MOLDED		1	NON EDGE MOLDED GASKET - UNCOMPRESSED THICKNESS - .013 - .018 - NOT INTERCHANGABLE WITH ANY OTHER GASKET	K-2061,K-2262,K-2918
7	X-8L-611	CAPSCREW		4	3/8"-16X3-1/4"	
7	X-8L-614	CAPSCREW		2	3/8"-16X2"	
7	X-8L-614	CAPSCREW		6	3/8"-16X2" USE W/4303872 RBC	
8	X-8L-602	CAPSCREW		17	3/8"-16X1-1/2"	
8	X-8L-614	CAPSCREW		2	3/8"-16X2"	
9	4302320	COVER	21346	2		S-2834
10	4305978	GASKET	4302246	2		K-2061,S-2834
11	K-2805	SHIM KIT	21452 K - 2106	1		K-3283,K-3661,S-2834
12	14335	GASKET		1		K-2061,S-2834
13	4303353	REAR HOUSING	4303354	1		
14	4304653	SHIELD		1		S-2809
15	20815	LIFTING EYE	17105	2		S-2834
16	X-8L-604	CAPSCREW		8	3/8"-16X1-1/4"	
19	86104	SPEEDO DRIVE GEAR		1		
20	S-2503	SPEEDO SPACER ASSY	4302590	1	MECHANICAL	
21	K-2262	OIL SEAL W/SLINGER	19109 ,20807 ,20808	1	"FOR MECHANICAL COVER"	K-3661
22	X-8L-616	CAPSCREW	X 8 616	6	3/8"-16X2-3/4"	
23	K-3454	SPEED SENSOR KIT	A - 6398 ,A - 6724	1	SINGLE PICK-UP (2 PIN)	
23	K-3455	SPEED SENSOR KIT, DUAL	A - 7046 ,A - 7518	1	DUAL PICK-UP (4 PIN)	
24	7992	BUSHING		1		S-2502,S-2859
25	14142	-O- RING		1		
26	S-2502	REAR BRG COVER ASSY	4303604 ,4305827	1	MECHANICAL - 4:00 OPENING	
26	S-2859	REAR BRG COVER ASSY	4302732 ,4305826	1	MECHANICAL - 6:00 OPENING	

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.

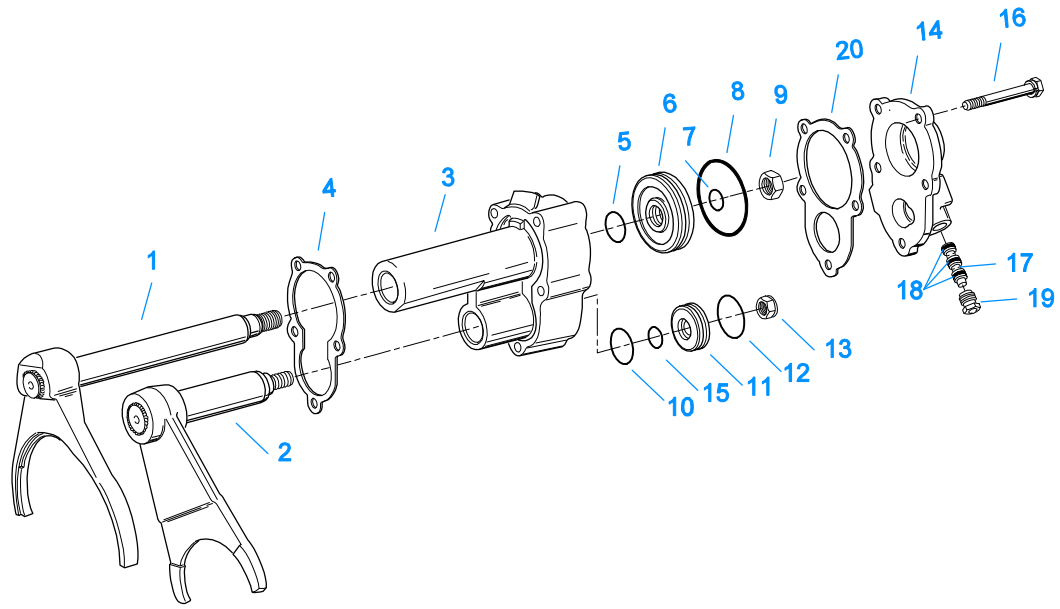
Note: Some part requirements are specific to #1 or #2 Aluminum or Iron Clutch Housings and Push or Pull type Clutch.

CASE (FRONT)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-2209	CASE ASSY	21318 ,4302518	1		
1	S-2210	CASE ASSY	4302440	1	FOR USE W/INTEGRAL PUMP	
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-5992	CLUTCH HOUSING ASSY	4301103	1	#1 PULL ALUM.(SPECIAL-LIGHTER WEIGHT)	
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	K-2468,K-4125
15	X-8L-604	CAPSCREW		6	3/8"-16X1-1/4"	
16	20549	FRONT BEARING COVER		1	2" PUSH	
17	14311	GASKET		1		K-2061

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
18	12815	BUSHING		4	FOR #1 HOUSING UPPER	A-3713,A-3723,A-4772,A-5992,A-6064,K-2468
18	12815	BUSHING		2	FOR #2 HOUSING UPPER	A-3713,A-3723,A-4772,A-5992,A-6064,K-2468
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,S-2210
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,S-2210
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"	

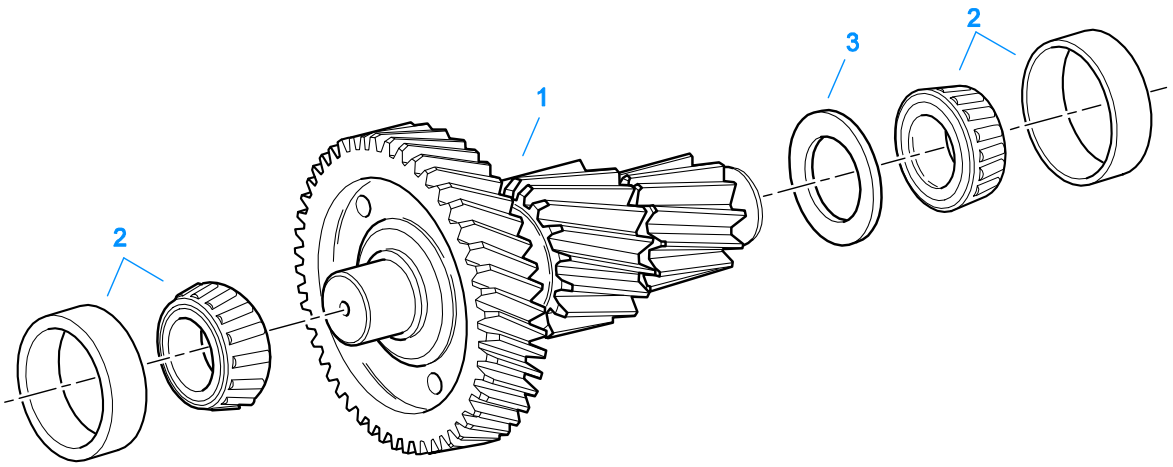
Group: COMBINATION CYLINDER



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		K-2853
4	21332	GASKET		1		K-2061,K-2846,K-2853
5	14765	-O- RING		1		K-2846,K-2853
6	14341	PISTON	23353	1		K-2853
7	14345	-O- RING		1		K-2846,K-2853
8	14344	-O- RING		1		K-2846,K-2853
9	X-1-1010	NUT		1	5/8"-18	
10	14644	-O- RING		1		K-2846,K-2853
11	K-2427	PISTON KIT	21337 ,4301320	1		
12	20423	-O- RING		1		K-2846,K-2853
13	X-1-803	NUT		1	1/2"-20	
14	21329	CYLINDER COVER		1		
15	4301348	-O- RING		1		K-2427,K-2846,K-2853
16	X-8L-631	CAPSCREW	X 8 631	5	3/8"-16X3-1/2"	
17	19974	INSERT VALVE	15512 4303616	1		K-3283,K-3661
18	13653	-O- RING		3		
19	15719	PLUG		1		
20	21331	GASKET		1		K-2061,K-2427,K-2846,K-2853

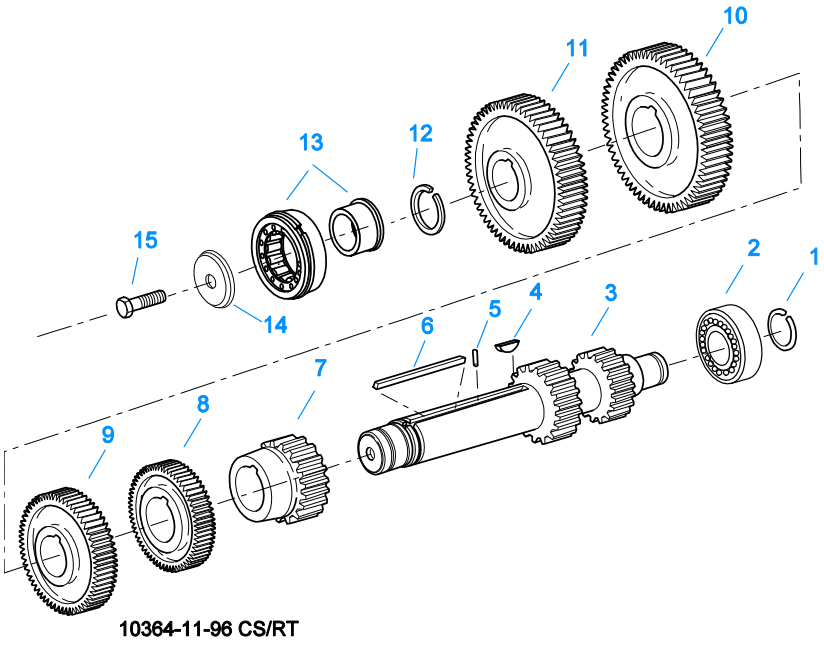


10445-12-93 AUXCS

COUNTERSHAFT & BRGS(AUX)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	A-6844	WELDED COUNTERSHAFT ASSY	A - 6431 ,A - 6842	2	D/G 4303938 - C/S 4303936	
2	4302074-BOX	BEARING	21343,4302074	4		K-3283,K-3661
3	21342	SPACER		2		

Group: COUNTERSHAFT ASSY

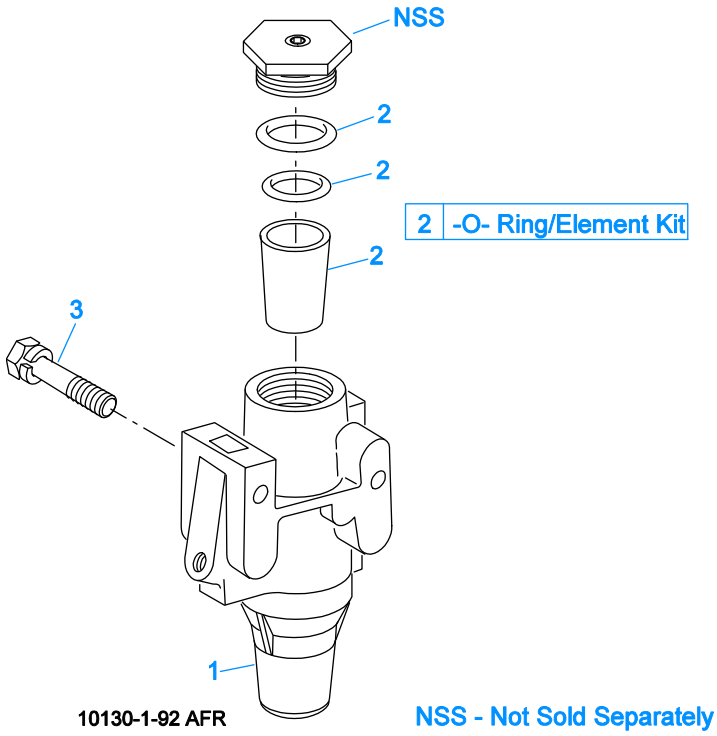


10364-11-96 CS/RT

COUNTERSHAFT ASSY

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	14317	SNAP RING		2		K-3260,K-3283,K-3661
2	14366	BEARING		2		K-3283,K-3661
3	4304733	CNTRSHFT W/REV & LO		2		
4	X-6-E	KEY		2		
5	62511	ROLL PIN		2		
6	4304840	KEY	19673	2		
7	21025	1ST GEAR-CNTRSHFT		2		
8	21264	2ND GEAR-CNTRSHFT		2		
9	21262	OD GEAR-CNTRSHFT		2		
10	15953	PTO GEAR - LOWER		1		
10	20840	PTO GEAR - UPPER		1		
11	4305665	DRIVE GEAR-CNTRSHFT	21018,4305069	2		
12	19198	SNAP RING		2		K-3260
13	4304599	BEARING	4302677 4304598	2		K-3283,K-3661
14	4304605	RETAINER		2		
15	X-7-1005	CAPSCREW		2	5/8"-18X1-3/4"	

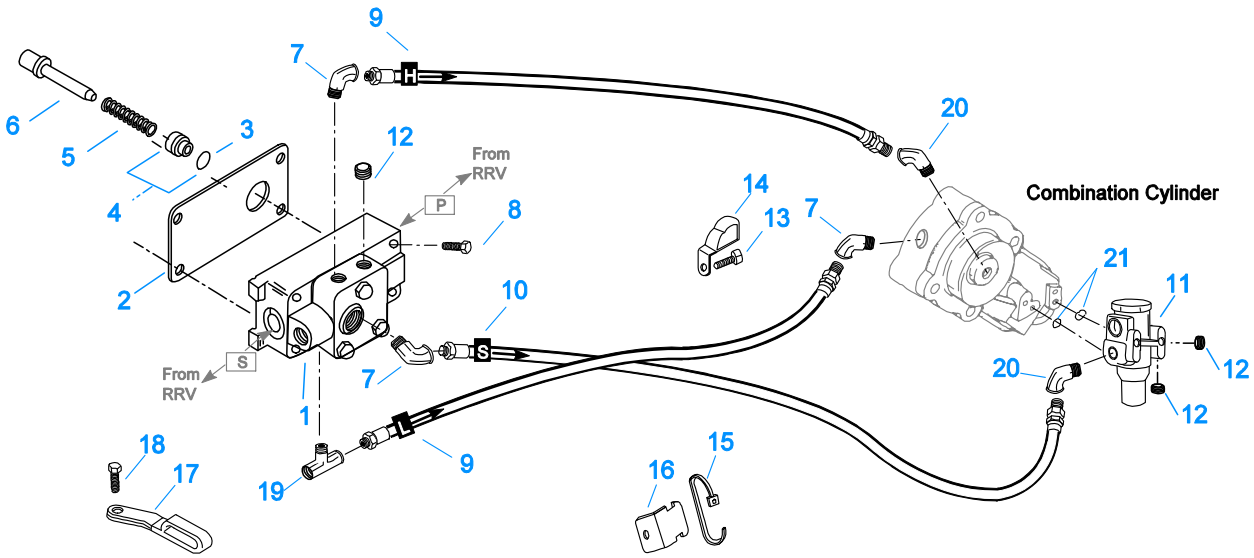
Group: FILTER REGULATOR



FILTER REGULATOR

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	K-2170	FILTER REG KIT	A - 5454	1		
2	K-1698	-O- RING/ELEMENT KIT		1	FOR FILTER REGULATOR	
3	X-8C-412	CAPSCREW	X 8S 412	2	1/4"-20X2-1/4"	

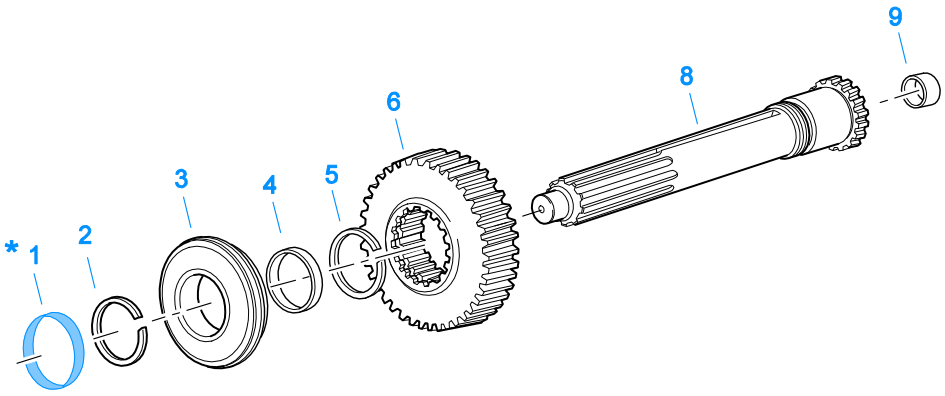
Group: H & C W/A-5000 VALVE



10110H-11-93 A-5000 HC

H & C W/A-5000 VALVE

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	A-5000	SLAVE VALVE ASSY	20850	1		
2	19481	GASKET		1		K-2061
3	19462	-O- RING	14033	1		K-1969
4	K-1969	SLEEVE KIT	14362 ,19460 ,21446	1	FOR SLAVE VALVES	
5	21268	SPRING	19572	1		
6	20490	PIN	19459	1		
7	12845	ELBOW		3	1/8"	
8	X-8C-411	CAPSCREW		4	1/4"-20X1-3/4"	
9	55509	HOSE ASSY		2	34"	
10	55528	HOSE ASSY		1	36"	
11	K-2170	FILTER REG KIT	A - 5454	1		
12	X-12-208	PIPE PLUG		3	1/8" NPT	
13	X-8L-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-2170,K-2846



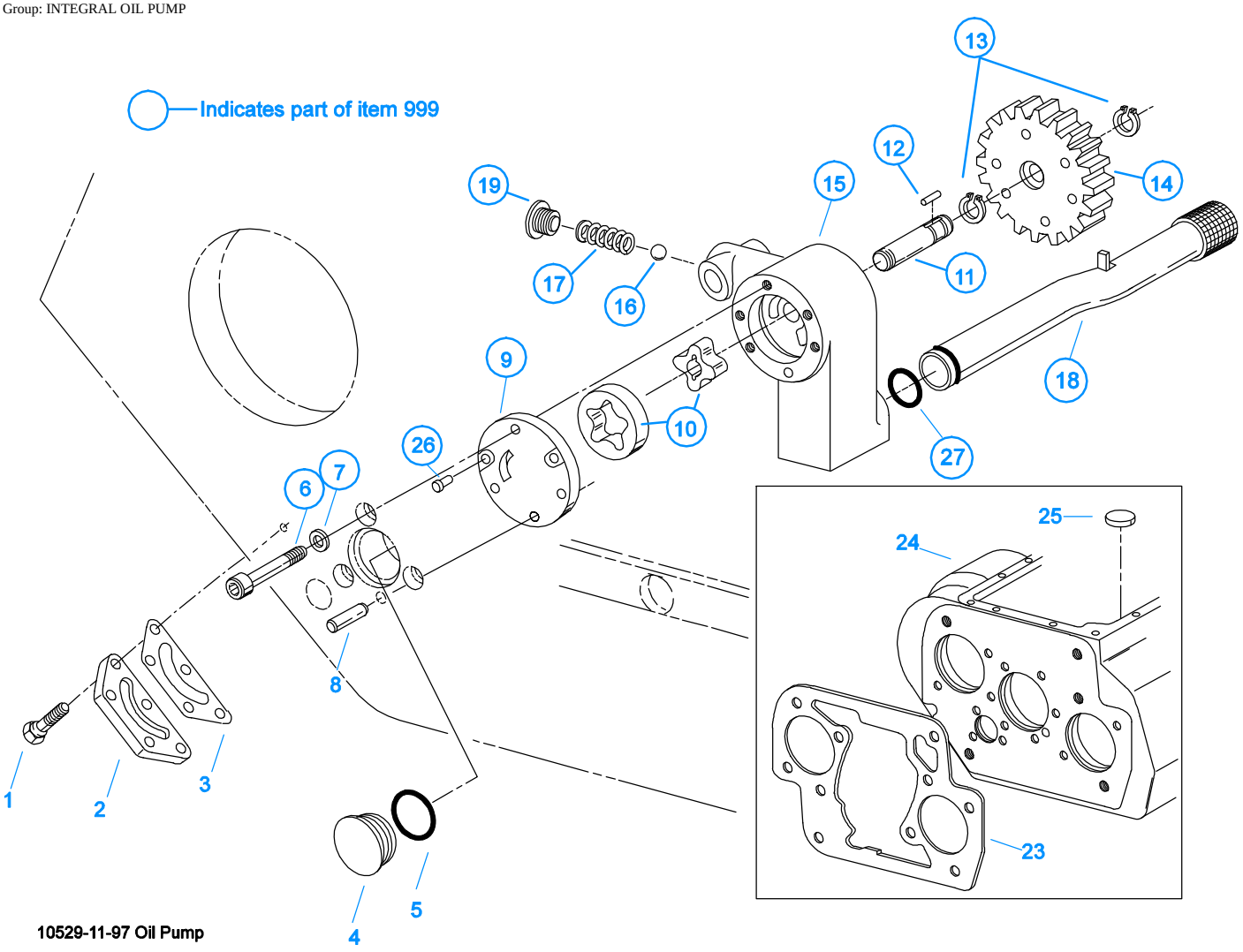
* For Shipping Only -- Do Not Replace

*

10370-1/92 IS

INPUT SHAFT & DRIVE GEAR

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	23559	SHIPPING SEAL		1	NOT SOLD FOR SERVICE	
2	16980	SNAP RING		1		K-2468,K-3260,K-3661,K-4125
3	4301417	BEARING	81504	1		K-3283,K-3661
4	16463	SPACER		1		
5	14750	SNAP RING		1		K-2468,K-3260,K-3283,K-3661,K-4125
6	22961	MAIN DRIVE GEAR	22959	1		
8	S-1659	INPUT SHAFT	20535 23566 4302661	1	2" PULL	K-2468,K-3661,K-4125
8	S-1660	INPUT SHAFT	20536 ,23567	1	2" PUSH	
9	16566	BUSHING		1		K-3283,S-1659,S-1660

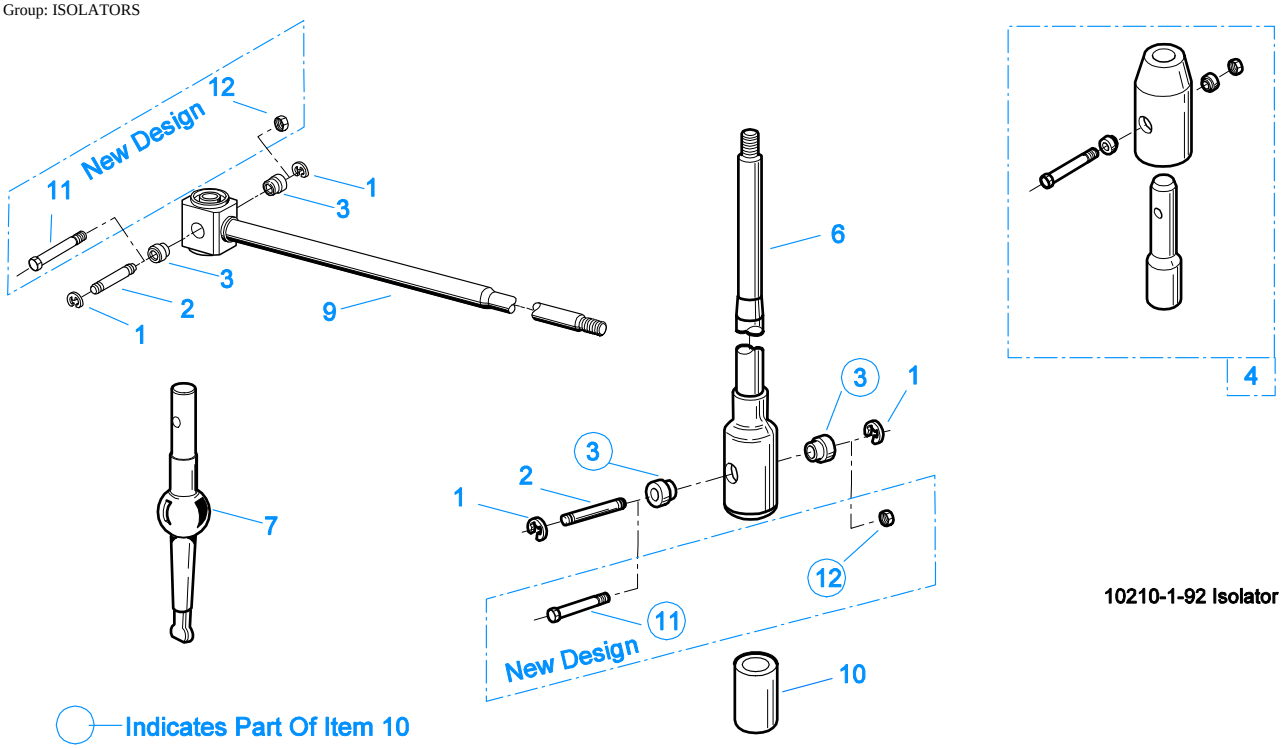


INTEGRAL OIL PUMP

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	X-8C-409	CAPSCREW		5	1/4"-20X5/8"	
2	K-2402	COVER & SCREW KIT	20513 ,4300751	1		
3	20514	GASKET		1		K-2061,K-2402
4	20823	PLUG		1		
5	14765	-O- RING		1		K-2846,K-2853
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	4303773	RETAINER		1		
10	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
11	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
12	20509	KEY		1		
13	14853	SNAP RING		2		
14	4303774	PUMP DRIVE GEAR	4304880	1		
15	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
16	X-14-700	STEEL BALL		1	7/16"	

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
17	4303775	SPRING		1		
18	4305713	SUCTION TUBE	4304628	1	O-RING INCLUDED ON SUCTION TUBE	K-3367
19	4304629	PLUG		1		
23	4306584	CLUTCH HOUSING GASKET	4304815,4305668	1		K-2061
24	S-2210	CASE ASSY	4302440	1	FOR USE W/INTEGRAL PUMP	
25	14373	MAGNET		3		S-2209,S-2210
26	X-8-447	SCREW		2		
27	20225	-O- RING		1		
999	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		

Group: ISOLATORS



10210-1-92 Isolator

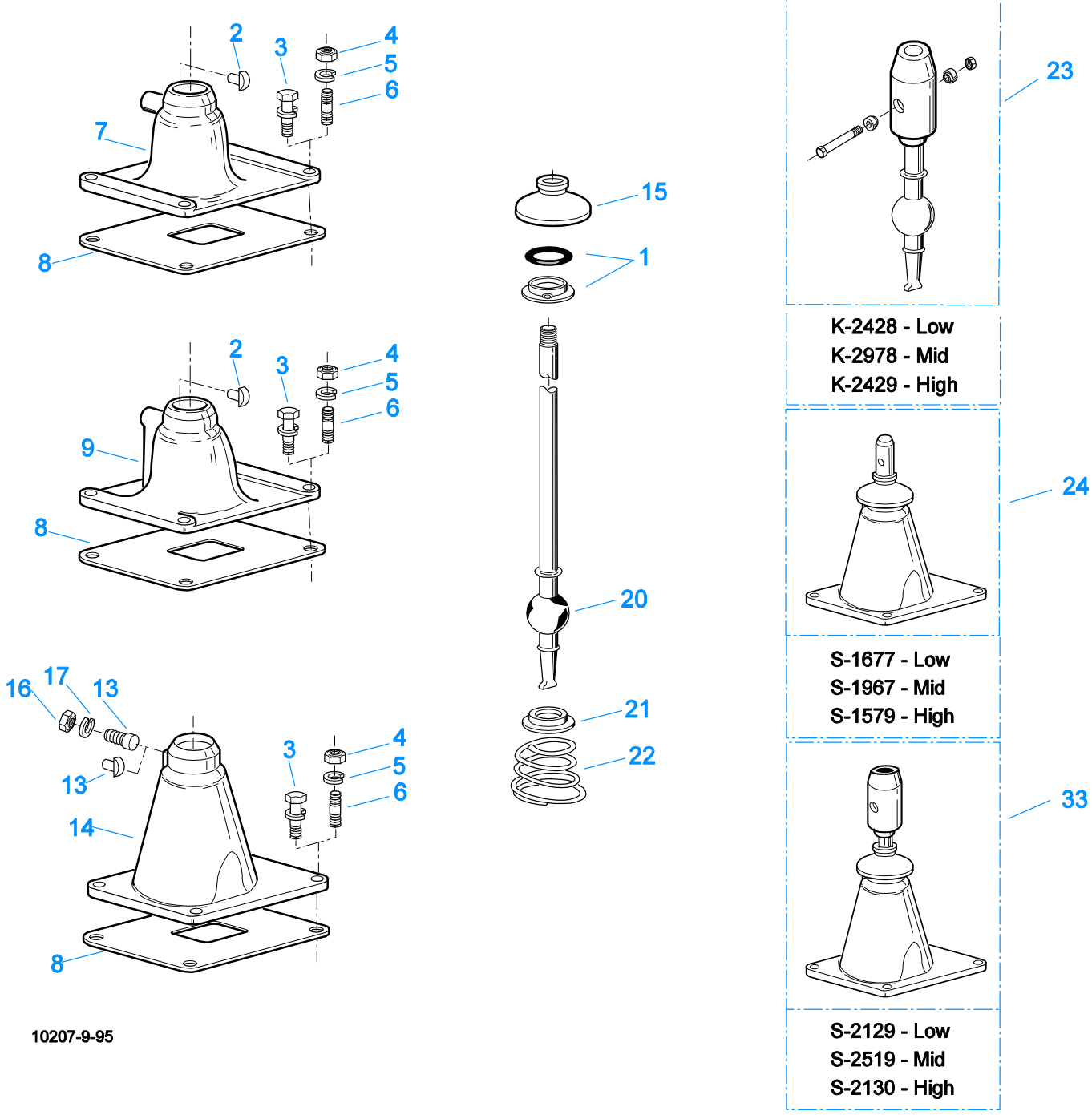
ISOLATORS

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-2978,K-3399,S-2129,S-2130,S-2519
4	S-1794	ISOLATOR ASSY		1		
6	21247	LEVER		1	STRAIGHT 18.67"	
7	21235	STUB LEVER		1	LOW TOWER	K-2428,S-1677
7	21236	STUB LEVER		1	HIGH TOWER	K-2429,S-1579,S-2130
7	4301168	STUB LEVER		1	MID TOWER	K-2978
9	21767	90 DEG LEVER		1	STRAIGHT 33"	
10	K-3399	ISOLATOR BUSHING KIT	21244 ,23311	1		
11	X-8-560	SCREW		1		
12	X-9-503	NUT		1		

KITS & ASSEMBLIES

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
	K-1476	SHIFT LEVER HSG	4530 ,17163 ,18298 ,4304905 ,A - 4437	1	LOW TOWER	
	K-1698	-O- RING/ELEMENT KIT		1	FOR FILTER REGULATOR	
	K-1935	REPAIR KIT-SLAVE VALVE		1	FOR A-5000 VALVE	
	K-1956	COOLER INSTLN KIT		1		
	K-1969	SLEEVE KIT	14362 ,19460 ,21446	1	FOR SLAVE VALVES	
	K-2003	PIN & BUSHING KIT		1		
	K-2061	GASKET KIT		1		K-3283,K-3661
	K-2170	FILTER REG KIT	A - 5454	1		
	K-2262	OIL SEAL W/SLINGER	19109 20807 ,20808	1	"FOR MECHANICAL COVER"	K-3661
	K-2394	AIR SYSTEMS TOOL KIT		1		
	K-2402	COVER & SCREW KIT	20513 ,4300751	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-2468	CLUTCH INSTALLATION KIT		1	FOR USE WITH S-1659 INPUT SHAFT ASSY AND 81504 INPUT SHAFT BEARING	
	K-2805	SHIM KIT	21452 K - 2106	1		K-3283,K-3661,S-2834
	K-2846	-O- RING KIT		1		K-3283,K-3661
	K-2853	CYLINDER KIT		1		
	K-2918	OIL SEAL KIT	4302322 4302323	1	"FOR MAGNETIC COVER"	K-3283,K-3661
	K-2973	SHIFT LEVER HSG KIT	17166 ,17167 ,4303050 ,4304910 ,K - 1630 K - 1941	1	HIGH TOWER	
	K-2977	SHIFT LEVER HSG KIT	4301167 ,4304907 ,A - 6040	1	MID TOWER	
	K-2978	LEVER REPLACEMENT KIT		1	MID TOWER	
	K-3104	ACTUATOR PIN KIT	4303287	1		
	K-3192	MASTER VALVE REPAIR KIT		1	FOR A-6915 VALVE	
	K-3194	MASTER VALVE REPAIR KIT		1	FOR A-7315 VALVE	
	K-3260	SMALL PARTS KIT		1		
	K-3283	BASIC REBUILD KIT		1		
	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
	K-3376	O-RING & WASHER KIT	4301211	1		
	K-3399	ISOLATOR BUSHING KIT	21244 ,23311	1		
	K-3454	SPEED SENSOR KIT	A - 6398 ,A - 6724	1	SINGLE PICK-UP (2 PIN)	
	K-3455	SPEED SENSOR KIT, DUAL	A - 7046 ,A - 7518	1	DUAL PICK-UP (4 PIN)	
	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-3661	BACIS OVERHAUL KIT		1		
	K-4125	CLUTCH INSTALLATION KIT (RT), HYDRAULIC RELEASE		1	STANDARD RT INPUT SHAFT AND YOKE FOR HYDRAULIC CLUTCH RELEASE	
	S-1404	OIL FILTER	17238	1		
	S-1445	SHIFT BAR HSG	20215 ,4302452	1	HOUSING ONLY (STD)	
	S-1516	CAP ASSY	20851 ,20853	1		
	S-1659	INPUT SHAFT	23566	1	2" PULL - USE W/FBC 20550	K-2468,K-3661,K-4125
	S-1660	INPUT SHAFT	23567	1	2" PUSH - USE W/FBC 20549	
	S-1794	ISOLATOR ASSY		1		
	S-2129	SHIFT LEVER HSG ASSY		1	LOW TOWER	
	S-2130	SHIFT LEVER HSG ASSY	S - 2053	1	HIGH TOWER	
	S-2206	SHIFT BAR HSG	4302497	1	HOUSING ONLY (F)	
	S-2207	SHIFT BAR HSG ASSY	4302452	1	COMPLETE (STD)	
	S-2208	SHIFT BAR HSG ASSY	4302497	1	COMPLETE (F)	

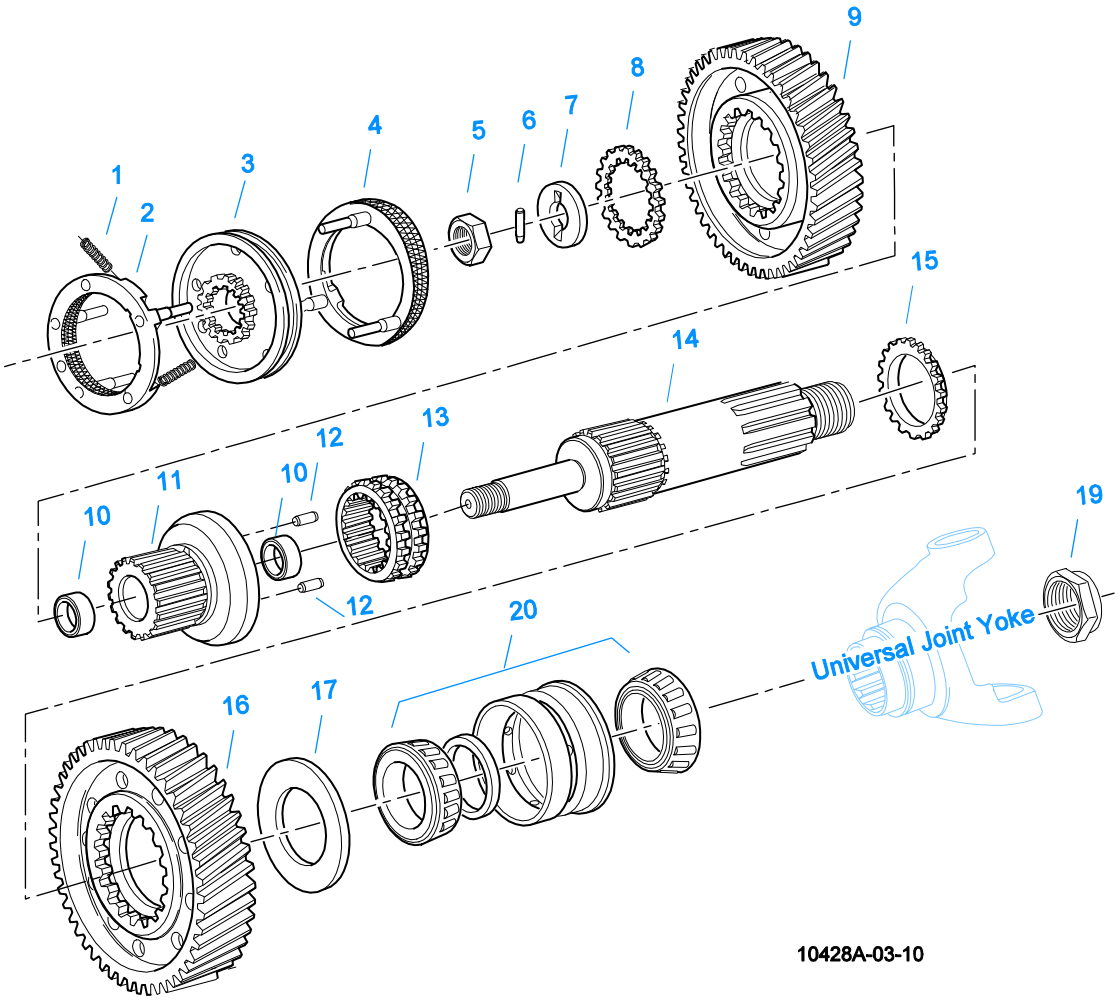
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
	S-2209	CASE ASSY	21318 ,4302518	1		
	S-2210	CASE ASSY	4302440	1	FOR USE W/INTEGRAL PUMP	
	S-2501	SPEEDO ROTOR ASSY	4302242	1	MAGNETIC	
	S-2502	REAR BRG COVER ASSY	4303604 ,4305827	1	MECHANICAL - 4:00 OPENING	
	S-2503	SPEEDO SPACER ASSY	4302590	1		
	S-2519	SHIFT LEVER HSG ASSY	S - 2919	1	MID TOWER	
	S-2583	ROADRANGER VALVE		1		
	S-2688	MAINSHAFT ASSY	4303404 ,4303913	1		
	S-2809	REAR BEARING COVER ASSY	4302332 ,4303872 ,4304652 ,4305830	1	PUSH-IN/THREAD-IN MAGNETIC PICK-UP	
	S-2834	RANGE SECTION ASSY		1		
	S-2859	REAR BRG COVER ASSY	4302732 ,4305826	1	MECHANICAL - 6:00 OPENING	



LEVERS/HOUSINGS

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	K-3376	O-RING & WASHER KIT	4301211	1		
2	18299	PIN		1		K-1476,K-2977,S-1677
3	X-8C-604	CAPSCREW		4	3/8"-16X1-1/4"	S-1445
4	X-1-600	NUT		4	3/8"-24-N.F.PLAIN	
5	X-3-600	LOCKWASHER		4	3/8"	
6	11934	STUD	7467	4		
7	K-1476	SHIFT LEVER HSG	4530 ,17163 ,18298 ,4304905 ,A - 4437	1	LOW TOWER	
8	4305294	GASKET	4303431	1		K-1476,K-2061,K-2428,K-2429,K-2973,K-2977,K-2978,S-

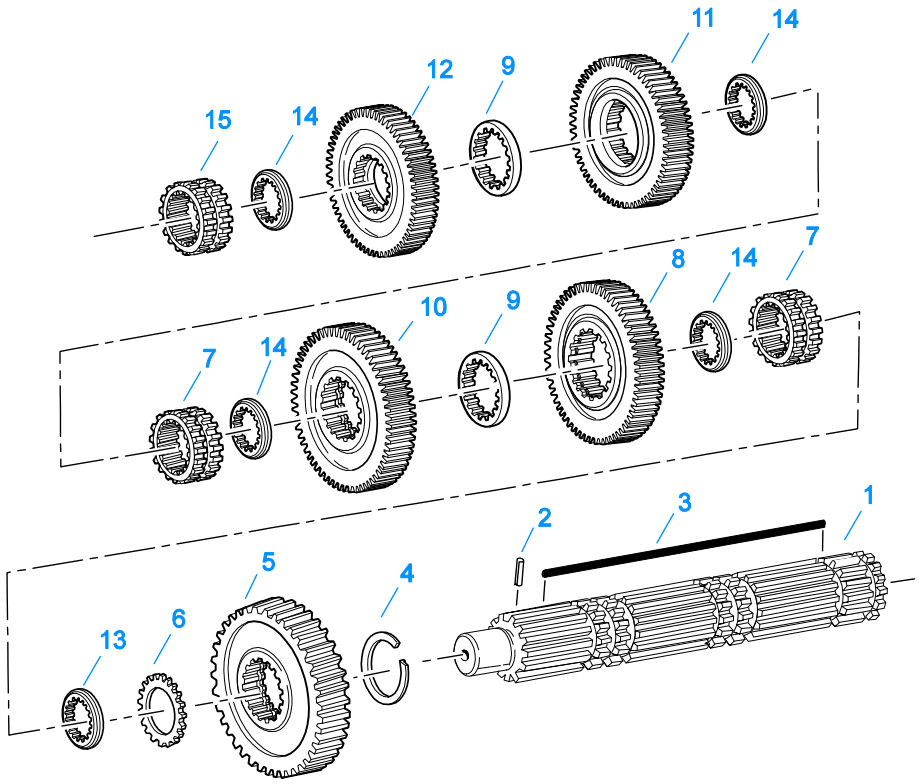
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
						1579,S-1677,S-1967,S-2129,S-2130,S-2519
9	K-2977	SHIFT LEVER HSG KIT	4301167 ,4304907 ,A - 6040	1	MID TOWER	
13	4303030	PIN		1		K-2973,S-1579,S-2130
13	6541	PIN		1	3/8" - USED W/17167 ONLY	
14	K-2973	SHIFT LEVER HSG KIT	17166 ,17167 ,4303050 ,4304910 ,K - 1630 K - 1941	1	HIGH TOWER	
15	10427	BOOT		1		K-1476,K-2973,K-2977,S-1579,S-1677,S-2130
16	X-1-600	NUT		1	3/8"-24-N.F.PLAIN	
17	X-3-600	LOCKWASHER		1	3/8"	
20	17600	GEAR SHIFT LEVER		1	STRAIGHT - LOW 21-1/2"	
20	18482	GEAR SHIFT LEVER		1	STRAIGHT - HIGH 35"	
21	2538	RETAINER		1		K-1476,K-2973,K-2977,S-1579,S-1677,S-2130
22	2536	SPRING		1		K-1476,K-2973,K-2977,S-1579,S-1677,S-2130
23	K-2428	LEVER REPLACEMENT KIT		1	LOW TOWER	
23	K-2429	LEVER REPLACEMENT KIT		1	HIGH TOWER	
23	K-2978	LEVER REPLACEMENT KIT		1	MID TOWER	
24	S-1579	SHIFT TOWER ASSY		1	HIGH TOWER	
24	S-1677	SHIFT TOWER ASSY		1	LOW TOWER	
24	S-1967	SHIFT TOWER ASSY		1	MID TOWER	
33	S-2129	SHIFT LEVER HSG ASSY		1	LOW TOWER	
33	S-2130	SHIFT LEVER HSG ASSY	S - 2053	1	HIGH TOWER	
33	S-2519	SHIFT LEVER HSG ASSY	S - 2919	1	MID TOWER	



MAINSHAFT & SYNCHRO(AUX)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	14897	SPRING		3		K-3260,K-3283,K-3492,K-3494,K-3661
2	A-7331	SYNCHRONIZER ASSY	4304396 4304397 A - 5917	1	HI RANGE	K-3492,K-3494
3	20323	SLIDING CLUTCH		1		K-3494
4	A-7254	SYNCHRONIZER ASSEMBLY	A - 4937 A - 5876	1	LO RANGE	K-3492,K-3494
5	21365	NUT		1		K-3260
6	17332	DOWEL PIN		1		K-3260
7	21347	WASHER		1		K-3260
8	21350	WASHER		1		K-3260
9	4302468	REDUCTION GEAR	4302446	1		
10	21352	BUSHING		2		A-5156,K-3283,K-3661
11	A-5156	MAINSHAFT ASSY	21351	1		
12	21652	PIN		2		K-3260
13	21360	SLIDING CLUTCH		1		
14	4303359	MAINSHAFT		1		
15	21354	WASHER		1		K-3260
16	4300677	DEEP REDUCTION GEAR		1		
17	21358	WASHER		1		K-3260
19	K-4122	HEX FLANGE CRIMPED NUT KIT	4302321,4306520	1		
20	5556503-BOX	BEARING	5556503	1		K-3283,K-3661

Group: MAINSHAFT ASSY



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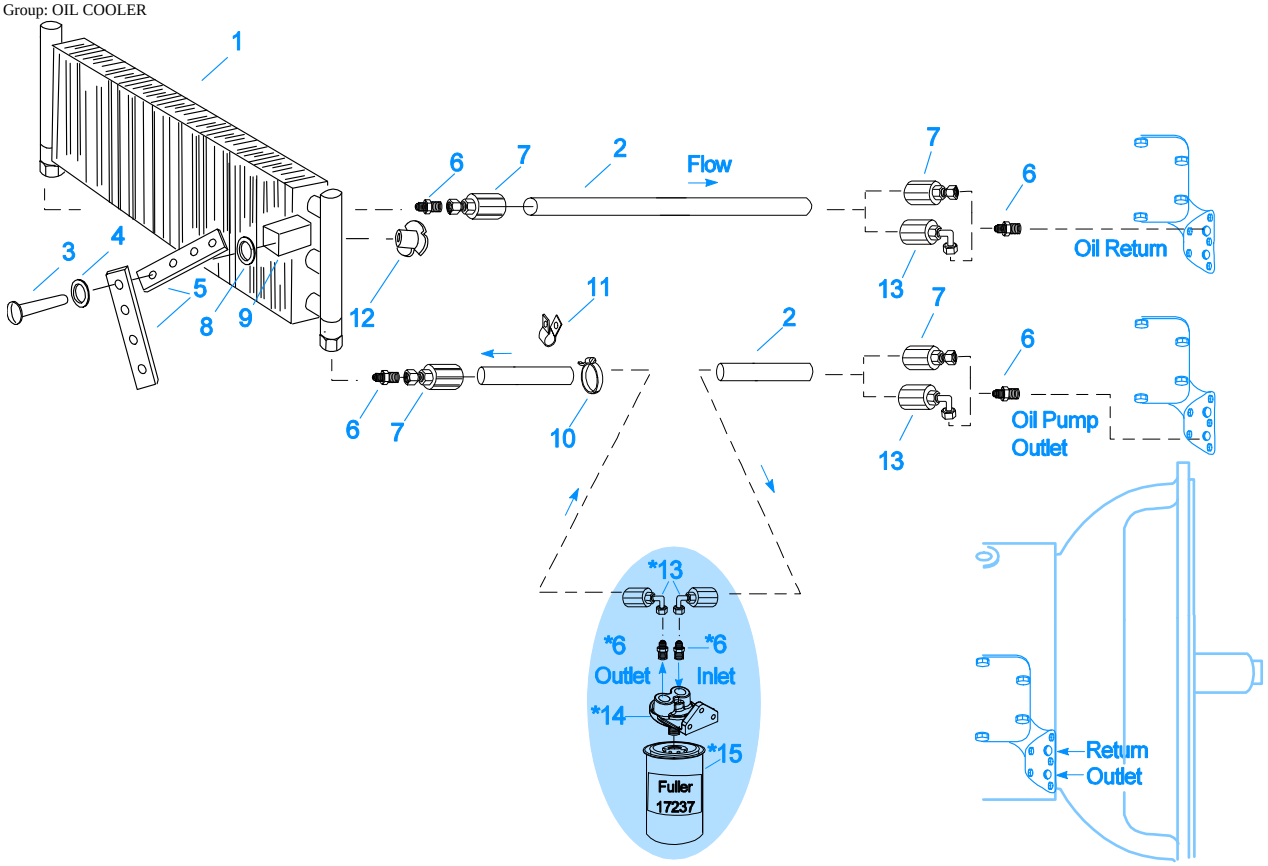
MAINSHAFT ASSY

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-2688	MAINSHAFT ASSY	4303404 ,4303913	1		
2	62504	ROLL PIN		1		S-2688
3	4304614	3-SIDED KEY	4300890	1		
4	14750	SNAP RING		1		K-2468,K-3260,K-3283,K-3661,K-4125
5	16756	REVERSE GEAR-MAINSHAFT		1		
6	14749	SPACER		1		K-3260
7	16118	SLIDING CLUTCH		2		
8	4303435	LO GEAR-MAINSHAFT		1		
9	4303603	WASHER		2		
10	4303420	1ST GEAR-MAINSHAFT		1		
11	4302394	2ND GEAR-MAINSHAFT		1		
12	4302393	OD GEAR-MAINSHAFT	4305070	1		
13	4300830	WASHER .244-BLUE		1		
14	4302398	WASHER		4		
15	4304317	SLIDING CLUTCH	22026	1		K-3661

MISCELLANEOUS

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
	4302441	SHIFT DIAGRAM LABEL		1		
	71203	SILICONE LUBE		1	8 OZ (236.59 CC)-FLEET SIZE	
	71204	ADHESIVE SEALANT		1	0.5 CC (SINGLE APPLICATION SIZE)	
	71205	SEALANT		1	2 CC (SINGLE APPLICATION SIZE)	K-3661
	71206	SILICONE LUBE		1	4 CC (SINGLE APPLICATION SIZE)	K-2428,K-2429,K-2846,K-2853,K-2978

Group: OIL COOLER



10525-4/92 Cooler

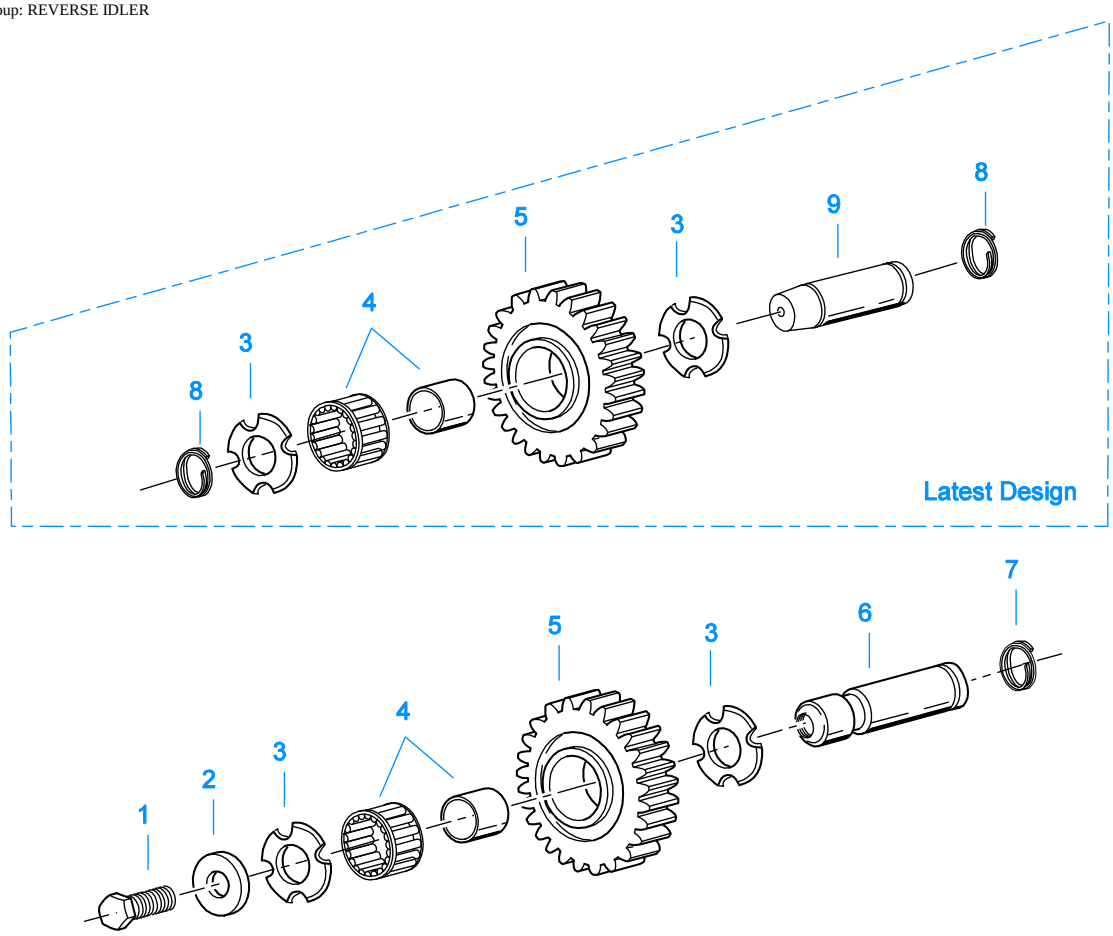
*Adding Oil Filter and parts as shown is optional.

Return / Outlet Location

OIL COOLER

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

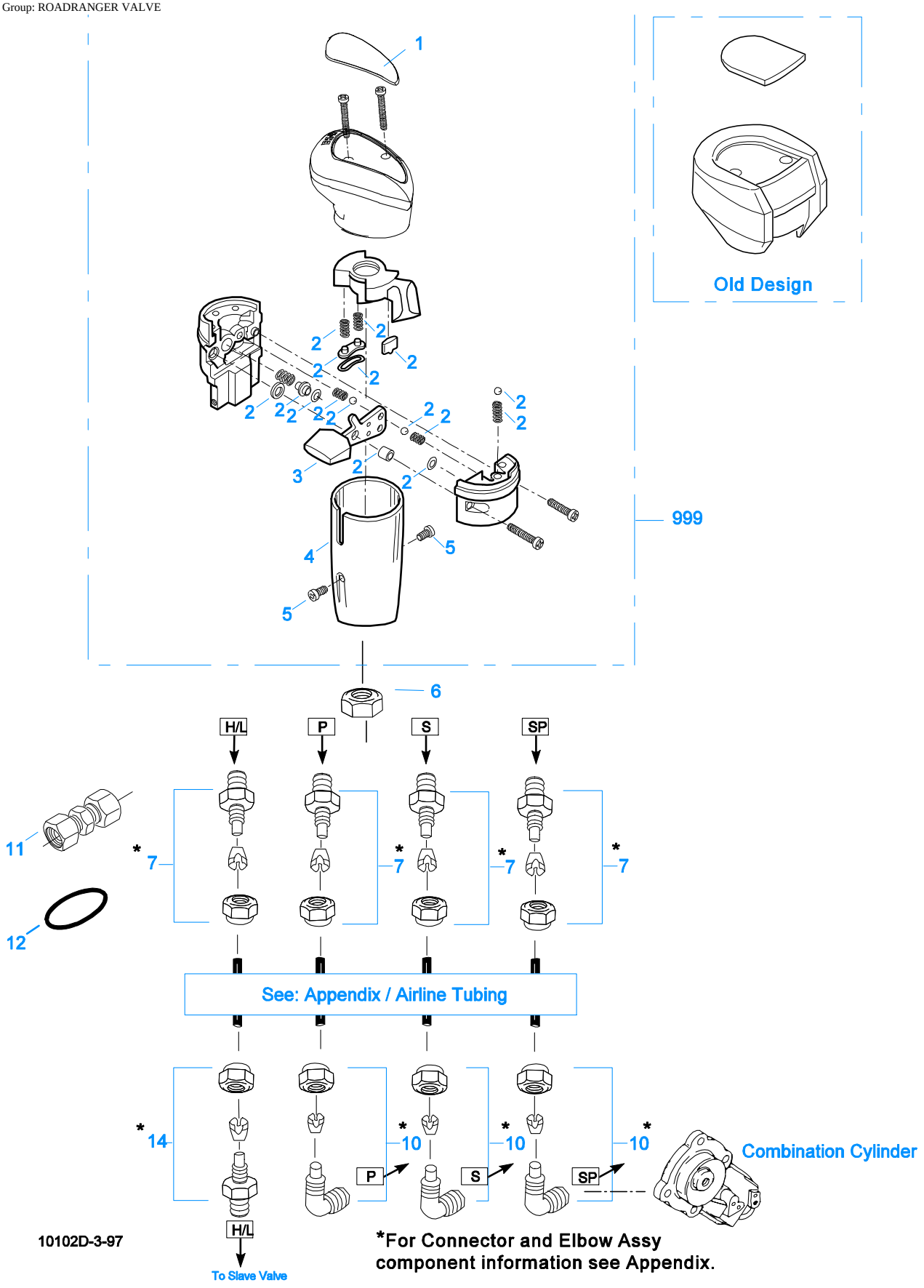
Group: REVERSE IDLER



11382-3-97 RI

REVERSE IDLER

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	X-7-1008	CAPSCREW		2	5/8"-18X1-1/4	
2	14283	WASHER		2		
3	4302982	WASHER	14282	4		K-3209,S-2209,S-2210
4	14287	BEARING	4305020	2		K-3283,K-3661
5	16757	REVERSE IDLER GEAR	22409	2		
6	K-3209	IDLER SHAFT REPL KIT	16405 ,4302981 ,4305513	2		
7	4303336	RETAINING RING		2		K-3209
8	4303336	RETAINING RING		4		K-3209
9	4305513	IDLER SHAFT		2		K-3209


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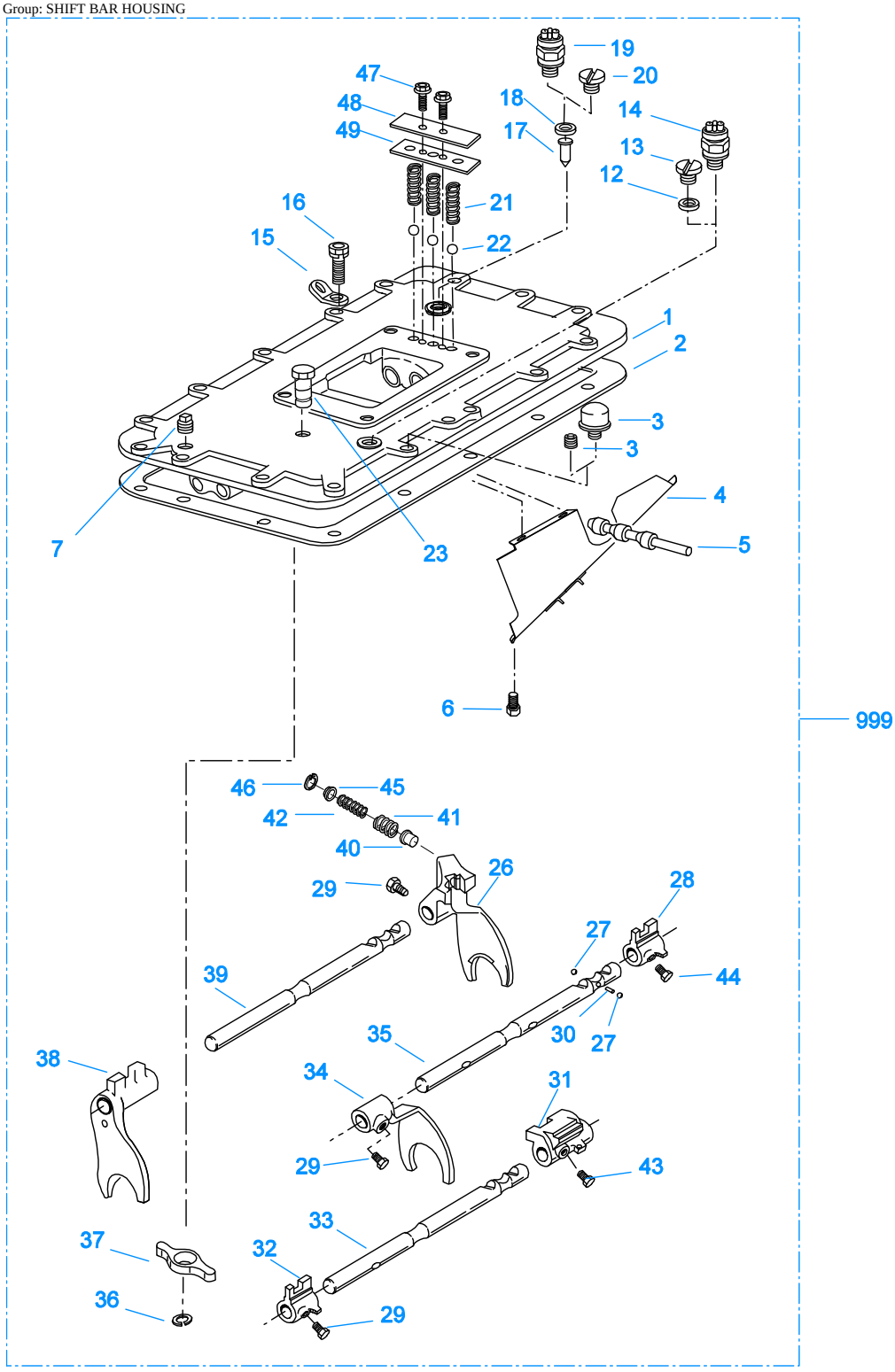
999
Old Design
H/L
P
S
SP
11
12
* 7
See: Appendix / Airline Tubing
* 14
* 10
Combination Cylinder
To Slave Valve
10102D-3-97
*For Connector and Elbow Assy component information see Appendix.

ROADRANGER VALVE

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	5586100	MEDALLION, LOGO		1	(LATEST DESIGN) FULLER LOGO ONLY	A-6915,A-7315
1	5586110	SHIFT DIAGRAM MEDALLION		1	RTO-W/SHIFT PATTERN	S-2583
2	K-3192	MASTER VALVE REPAIR KIT		1	FOR A-6915 VALVE	
2	K-3194	MASTER VALVE REPAIR KIT		1	FOR A-7315 VALVE	
3	20496	LEVER		1		A-6915,A-7315
4	20112	COVER		1		A-6915,A-7315
5	X-8-213	SCREW	X 8 202	2	8-32X3/8"	
6	X-9-802	NUT		1	1/2"-13	
7	84001	CONNECTOR ASSY	82501	4	1/8"TUBE-1/16"NPTF	
7	84003	CONNECTOR ASSY	82503	4	5/32"TUBE-1/16"NPTF	
7	84005	CONNECTOR ASSY		4	"PUSH-TO-CONNECT" 5/32"TUBE-1/16"NPTF	S-2583
10	85001	ELBOW ASSY	84501	3	5/32"TUBE-1/8"NPTF	
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	K-3661
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	
14	84006	CONNECTOR ASSY		1	"PUSH-TO-CONNECT" 5/32"TUBE-1/8"NPTF	K-3661
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-2583	ROADRANGER VALVE		1	RTO-W/SHIFT PATTERN	

Group: SHIFT BAR HOUSING



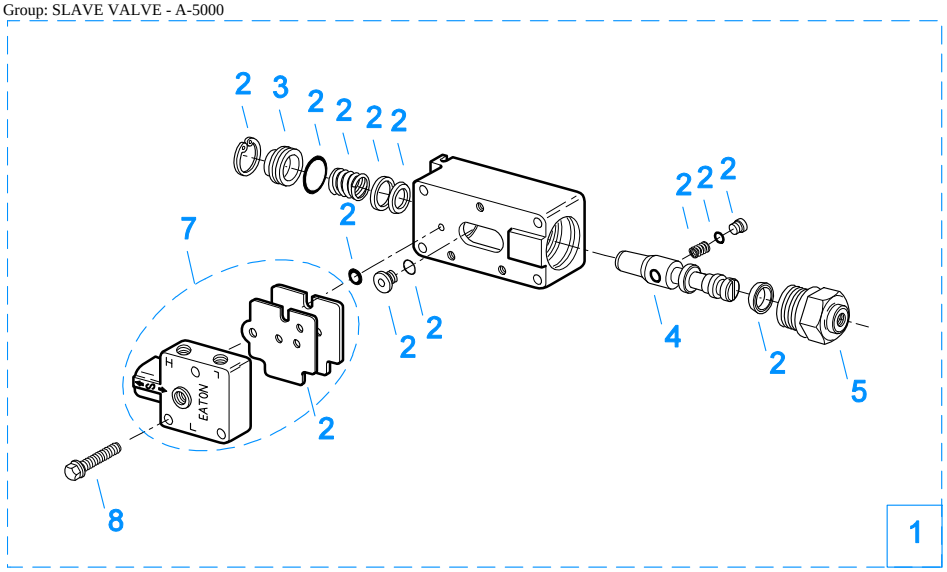
10251-3-94 X-Forward

SHIFT BAR HOUSING

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-2206	SHIFT BAR HSG (F)	4302497	1	HOUSING ONLY	
2	4302676	GASKET	14918	1		K-2061,S-2207,S-2208
3	4304602	BREATHER	23605	1	1/4" NPT	
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-2207,S-2208
5	20332	AIR VALVE SHAFT	17177	1		S-2207,S-2208
6	X-8-423	CAPSCREW		2	1/4"-20X1/2"	
7	X-12-603	PIPE PLUG	X12 602	1	3/8" NPT	
12	17179	GASKET		1		S-1445,S-2206,S-2207,S-2208
13	4303655	PLUG	17178	1		S-1445,S-2206,S-2207,S-2208
14	22941	NEUTRAL LIGHT SWITCH	12639	1	SWITCH NORMALLY CLOSED	
15	20815	LIFTING EYE	17105	2		S-2834
16	X-8L-602	CAPSCREW		2	3/8"-16X1-1/2"	
16	X-8L-604	CAPSCREW		16	3/8"-16X1-1/4" OR USE 14 PCS OF X-8L-604 WITH 2 PCS OF X-8L-602	
17	15899	PIN		1		S-1445,S-2206,S-2207,S-2208
18	15900	GASKET		1		S-1445,S-2206,S-2207,S-2208
19	22940	REVERSE LIGHT SWITCH	16830	1	SWITCH NORMALLY OPEN	
20	4303656	PLUG	15917	1		S-1445,S-2206,S-2207,S-2208
21	15918	SPRING		3		K-3260,K-3661,S-2207,S-2208
22	X-14-800	STEEL BALL		3	1/2"	
23	K-3104	ACTUATOR PIN KIT	4303287	1		
26	4302494	SHIFT YOKE		1	REVERSE/LO	
27	X-14-1200	STEEL BALL		2	3/4"	
28	19703	SHIFT BLOCK		1	1ST/2ND	S-2208
29	3220	LOCKSCREW		3		S-2207,S-2208
30	1634	INTERLOCK PIN		1		K-3260,S-2207,S-2208
31	4302495	SHIFT BLOCK		1	3RD/OD (REAR)	S-2208
32	20120	SHIFT BLOCK	18924	1	3RD/OD (FRONT)	S-2207,S-2208
33	4302492	YOKE BAR		1	3RD/OD	S-2208
34	18922	SHIFT YOKE		1	1ST/2ND	S-2207,S-2208
35	4302467	YOKE BAR		1	1ST/2ND	S-2208
36	4302070	SNAP RING		1		K-3104,S-2207,S-2208
37	4303225	ACTUATOR		1		S-2207,S-2208
38	4305575	SHIFT YOKE	20450	1	3RD/OD	S-2207,S-2208
39	4302443	YOKE BAR		1	REVERSE/LO	S-2208
40	19790	PLUNGER		1		
41	19791	SPRING		1		
42	19838	SPRING		1		
43	22943	LOCKSCREW		1		S-2208
44	15776	LOCKSCREW		1		S-2207,S-2208
45	19792	RETAINER		1		
46	19793	SNAP RING		1		A-5000,K-1935
47	X-8L-600	CAPSCREW		2	3/8"-16X1"	
48	15132	SPRING COVER		1		S-2208
49	15133	GASKET		1		S-2208
999	S-2208	SHIFT BAR HSG ASSY (F)	4302497	1	COMPLETE	

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		
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"	