



Roadranger®

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Illustrated Parts List

RTLO-14610A
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).

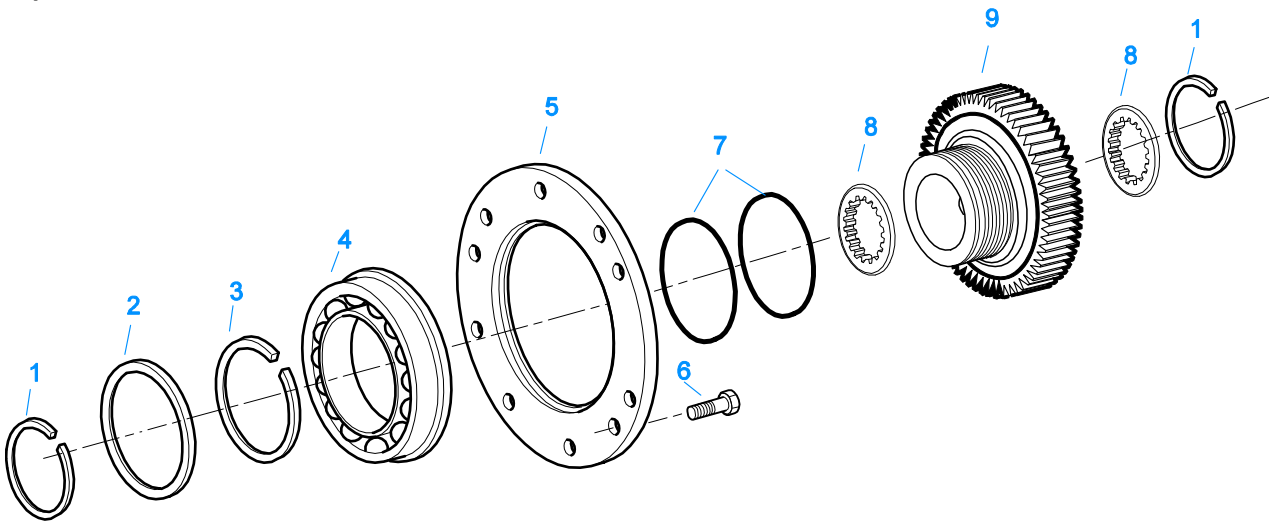
Illustrations

- 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

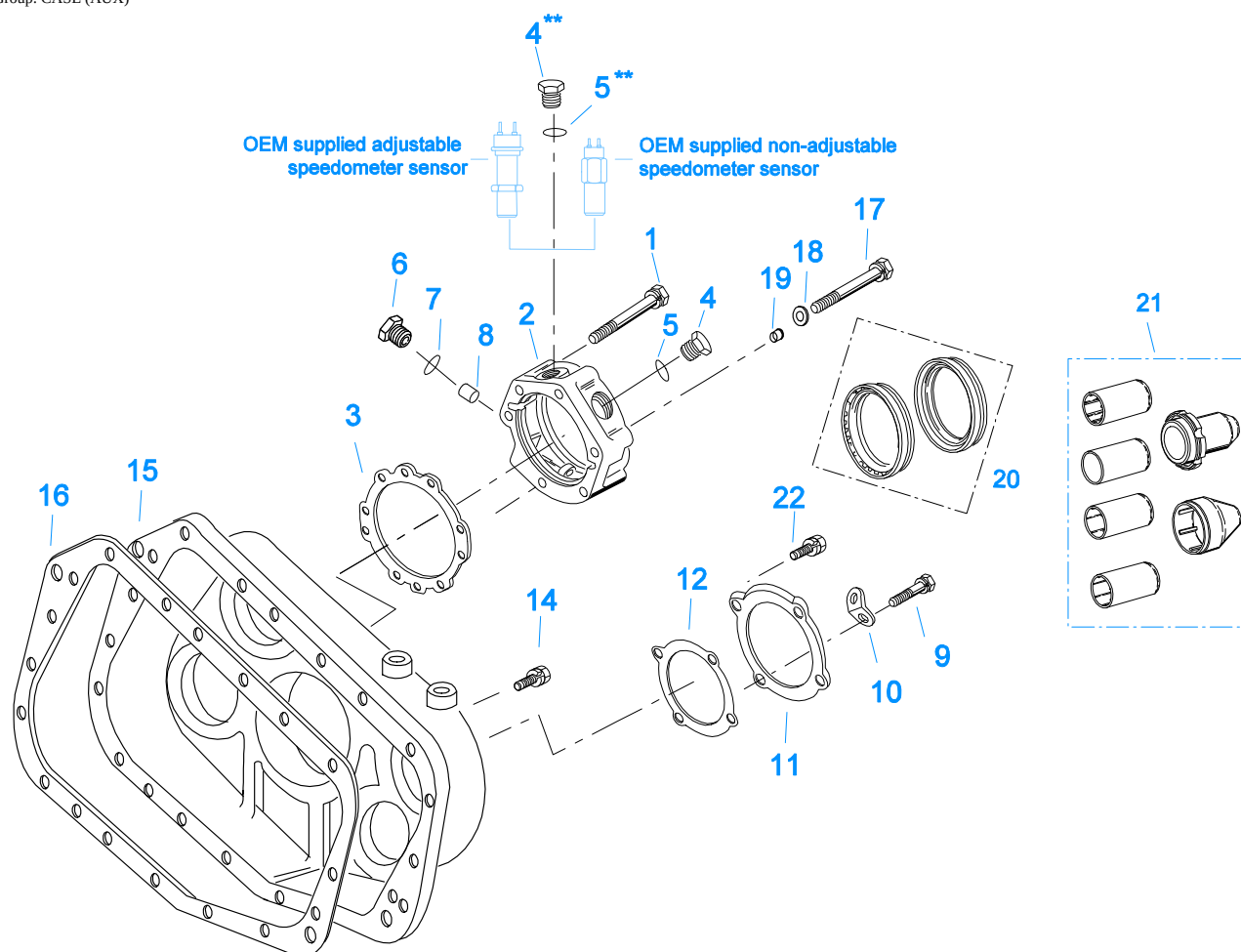
- **Item Number** - corresponding with numbers on illustrations for part identification.
- **Current Part** - identifies part as it is available for service.
- **Description** - specifies part name or description.
- **Replaced Part** - quantity quantity required for assembly.
- **Quantity** - defines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



10481-12/92 Aux DG

AUXILIARY DRIVE GEAR

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	16763	SNAP RING		2		K-2299,K-2995,K-2998
2	21320	SNAP RING RETAINER		1		K-2867
3	16628	SNAP RING		1		K-2299
4	5566507-BOX	BEARING	5566504,5566507	1		K-2995,K-2998
5	16138	BEARING RETAINER		1		
6	X-8-645	CAPSCREW		1	3/8"-16X1"	
7	17453	-O- RING		2		K-2867,K-2995,K-2998
8	21599	WASHER		2		
9	K-2867	REPLT KIT-DRIVE GEAR	4300546 ,4302683 ,K - 2296	1		



**** Note — Items 4 & 5 / Magnetic Speedometer Openings:**

Use 13679 "O" ring w/ OEM supplied adjustable speedometer sensor

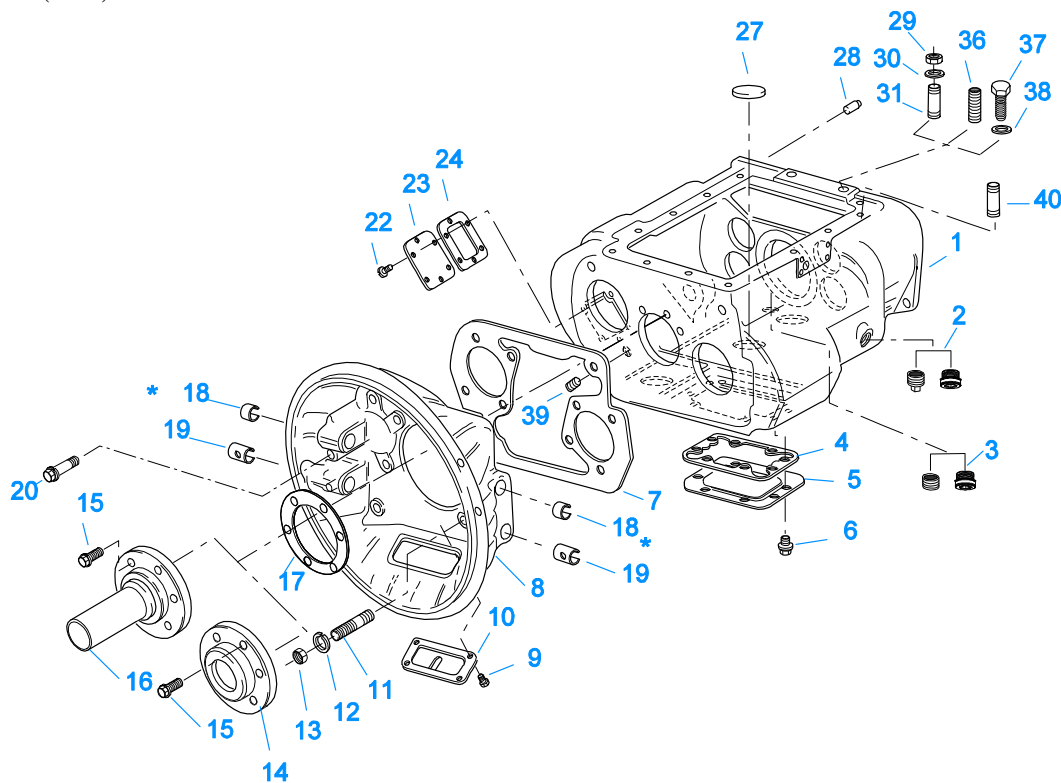
and 20225 "O" ring w/ OEM supplied non-adjustable speedometer sensor or Eaton part #20224 Plug

10403-11/92 Aux Case

CASE (AUX)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	X-8L-611	CAPSCREW		5	3/8"-16X3-1/4"	
2	S-2119	REAR BRG COVER ASSY	20048 ,22045 ,4302009 ,4302031 ,S - 1558 S - 1560	1	EXTENDED	
3	15532	GASKET		1		K-2262,K-2295,S-2119
4	20224	PLUG-MAGNETIC		2		S-1790,S-2119
5	13679	-O- RING		1	USE W/OEM SUPPLIED ADJUSTABLE SPEEDOMETER SENSOR	
5	20225	-O- RING		2	USE W/20224 PLUG OR OEM SUPPLIED NON-ADJUSTABLE SPEEDOMETER SENSOR	
6	20226	PLUG-MECHANICAL		1		S-1790,S-2119
7	14142	-O- RING		1		S-1790,S-2119
8	7992	BUSHING		1		S-2119
9	X-8L-600	CAPSCREW		2	3/8"-16X1"	
10	20815	LIFTING EYE		2		
11	16724	REAR BRG COVER		2		
12	17097	GASKET		2		K-2295
14	X-8L-602	CAPSCREW		9	3/8"-16X1-1/2"	
14	X-8L-604	CAPSCREW		8	3/8"-16X1-1/4"	

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
14	X-8L-614	CAPSCREW		2	3/8"-16X2"	
15	S-2909	REAR HSG REPL ASSY	18743 ,18786	1		
16	14335	GASKET		1		K-2295,S-1790
17	X-8-611	CAPSCREW		1	3/8"-16X3-1/4"	
18	17106	GASKET		1		K-2262,K-2295,S-2119
19	19709	COLLAR		1		K-2262,K-2295,S-2119
20	K-2262	OIL SEAL W/SLINGER	19109 20807 20808	1	"FOR MECHANICAL COVER"	K-2995,K-2998
21	K-3651	OIL SEAL TOOL KIT		1		
22	X-8-686	CAPSCREW		6	3/8"-16X3/4"	



10303-11/92 Iron/Alum Hsg

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

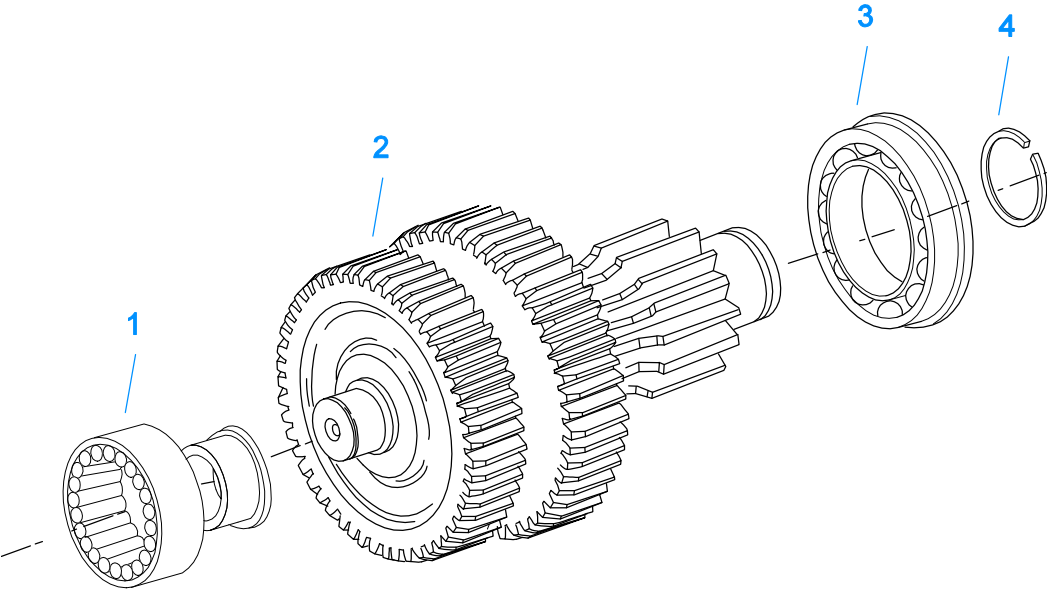
#2 Housing – Upper bore use 2 #12815 and 1 #8677 / Lower bore use 2 #8677.

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-1785	CASE ASSY	23583	1		
1	S-2127	NO LONGER AVAILABLE	4301812	1	FOR USE W/INTEGRAL PUMP	
2	4304023	PLUG	4303747	1	1-1/16" MAGNETIC, O-RING INCLUDED	S-1785
2	X-12-2007	PIPE PLUG	X12 2006	1		
3	4304023	PLUG	4303747	1	1-1/16" MAGNETIC, O-RING INCLUDED	S-1785
3	X-12-1207	PIPE PLUG	X12 1202 X12 1206	1	3/4" MAGNETIC	
4	4305310	GASKET	4302810	1		K-2295
5	4302809	PTO COVER	16596 ,4300571	1		
6	X-8-725	CAPSCREW		8	7/16"-14X7/8"	
7	4306584	CLUTCH HOUSING GASKET	4304815,4305668	1		K-2295
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-5728	CLUTCH HOUSING ASSY	4300259 ,A - 4342	1	#1 PULL - ALUMINUM	
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		6	.625-18	
14	20550	FRONT BRG COVER		1	2" PULL	K-2468,K-4125
15	X-8L-604	CAPSCREW		6	3/8"-16X1-1/4"	
16	20549	FRONT BRG COVER		1	2" PUSH	
17	14311	GASKET		1		K-2295

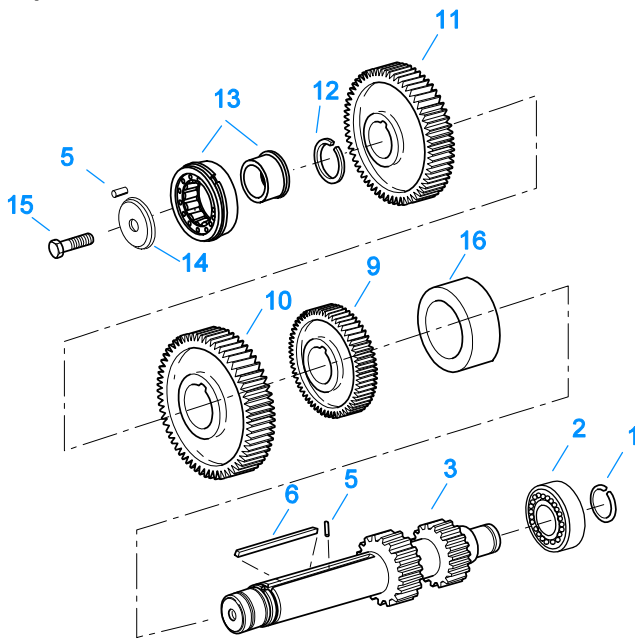
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
18	12815	BUSHING		2	FOR #2 HOUSING UPPER	A-3713,A-3723,A-5728,K-2468
18	12815	BUSHING		4	FOR #1 HOUSING UPPER	A-3713,A-3723,A-5728,K-2468
18	8677	BUSHING		1	FOR #2 HOUSING UPPER	A-3713,A-3723
19	8677	BUSHING		2	FOR #1 AND #2 HOUSING LOWER	A-3713,A-3723
20	X-8C-830	HEX HEAD SCREW/WASHER ASSY	X-8C-826	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-2295
27	14373	MAGNET		3		S-1785
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	1		
37	X-8-1005	CAPSCREW		2	5/8"-11X1-1/4"	
38	20814	SPACER		2		
39	X-12-802	PIPE PLUG		1	1/2"	
40	23582	NO LONGER AVAILABLE		1		



10443-11/92 Aux CS

COUNTERSHAFT & BRGS(AUX)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	20015	BEARING		2		K-2995,K-2998,S-1790
2	A-6385	WELDED COUNTERSHAFT ASSY		2	C/S 4300123 - D/G 4302684 S/G 4302696	
3	81057	BEARING		2		K-2995,K-2998
4	16723	SNAP RING		2		K-2299,K-2995,K-2998

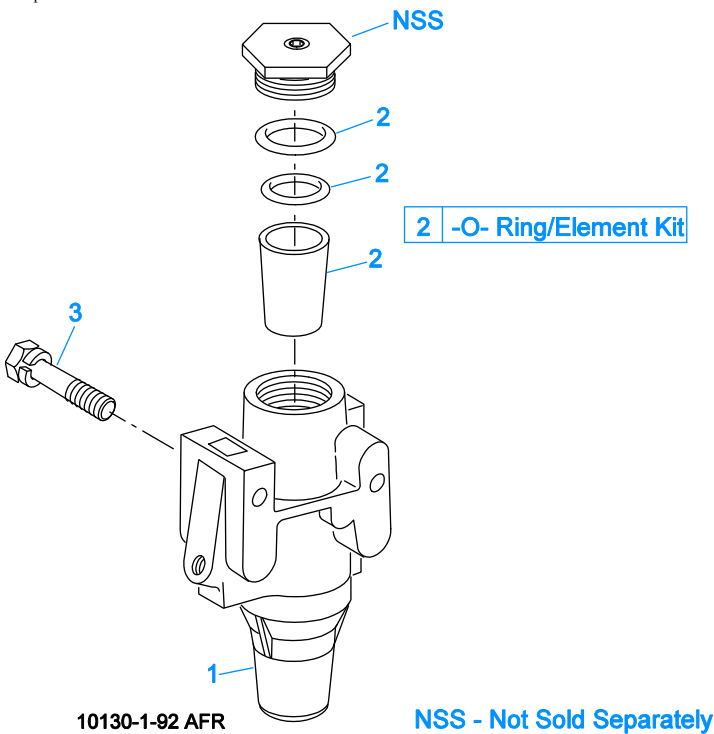


10343-11/92 CS-LO Inertia

COUNTERSHAFT ASSY

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	14317	SNAP RING		2		K-2299,K-2995,K-2998
2	14366	BEARING		2		K-2995,K-2998
3	K-2931	NO LONGER AVAILABLE	23512	2		
5	62511	ROLL PIN		4	ROLL PINS NO LONGER REQUIRED	
6	21596	KEY		2		
9	22793	3RD GEAR-CNTRSHFT		2		
10	15953	PTO GEAR - LOWER		1		
10	20840	PTO GEAR - UPPER		1		
11	21586	DRIVE GEAR-CNTRSHFT	22271	2		
12	19198	SNAP RING		2		
13	4304599	BEARING	4302677 4304598	2		K-2995,K-2998
14	4304605	RETAINER	19548	2		
15	X-7-1005	CAPSCREW		2	5/8"-18X1-3/4"	
16	23204	SPACER		2		

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"	

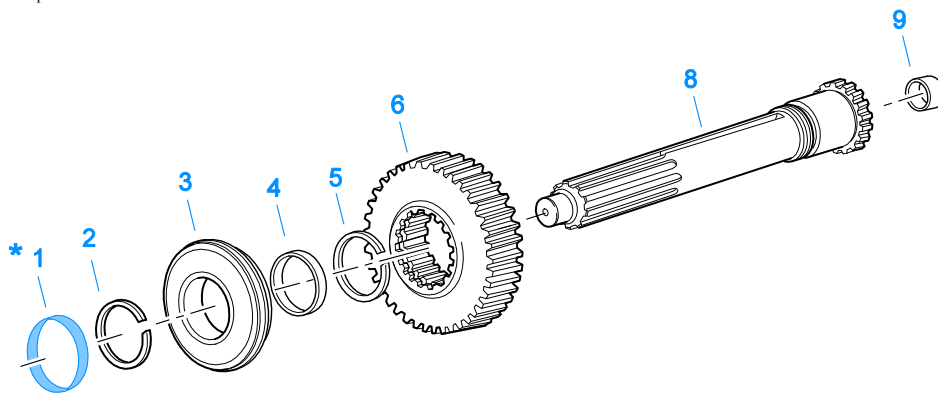
The diagram illustrates the assembly of the Roadranger Valve system. Key components and their connections are as follows:

- Components:**
 - 1: Screws
 - 2: Plate
 - 3: Bracket
 - 4: Solenoid Valve (Solenoid)
 - 5: Fitting
 - 6: Fitting
 - 7: Fitting
 - 8: Plug
 - 9: Hook
 - 10: Hose
 - 11: Hose
 - 12: Fitting
 - 13: Solenoid Valve (Solenoid)
 - 14: Fitting
 - 15: Fitting
 - 16: Hose
- Assembly Steps:**
 - Install the screws (1) into the plate (2).
 - Attach the bracket (3) to the plate (2).
 - Install the solenoid valve (4) into the bracket (3).
 - Connect the hose (10) to the solenoid valve (4) using fitting (5).
 - Connect the hose (10) to the Range Cylinder using fitting (6).
 - Connect the hose (10) to the Splitter Cylinder using fitting (7).
 - Install the plug (8) into the Range Cylinder.
 - Connect the hose (11) to the Range Cylinder using fitting (12).
 - Connect the hose (11) to the Splitter Cylinder using fitting (12).
 - Connect the hose (16) to the Splitter Cylinder using fitting (14).
 - Connect the hose (16) to the Splitter Cylinder using fitting (15).
- Labels:**
 - To Roadranger Valve
 - Range Cylinder
 - Splitter Cylinder
 - LO
 - SP

HOSES & CONNECTIONS

12

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
6	22870	TEE		1	1/8"NPTF	
7	7935	BREATHER		1		
8	4301989	PIN	22813	1		K-2850
9	19727	HOSE CLAMP		1		
10	75120	NYLON TUBE		1	5/32"	
11	75320	NYLON TUBE	5546014	1	5/32"	
12	85001	ELBOW ASSY	84501	3	5/32"TUBE-1/8"NPTF	K-2995,S-1790
12	85002	ELBOW ASSY	84502	3	1/8"TUBE-1/8"NPTF	
12	85003	ELBOW ASSY		3	"PUSH-TO-CONNECT" 5/32"TUBE-1/8"NPTF	K-3121,K-3333
14	15114	-O- RING		2		K-2170,K-2295,S-1790
15	X-12-208	PIPE PLUG		1	1/8" NPT	
16	55527	HOSE ASSY		1	15"	



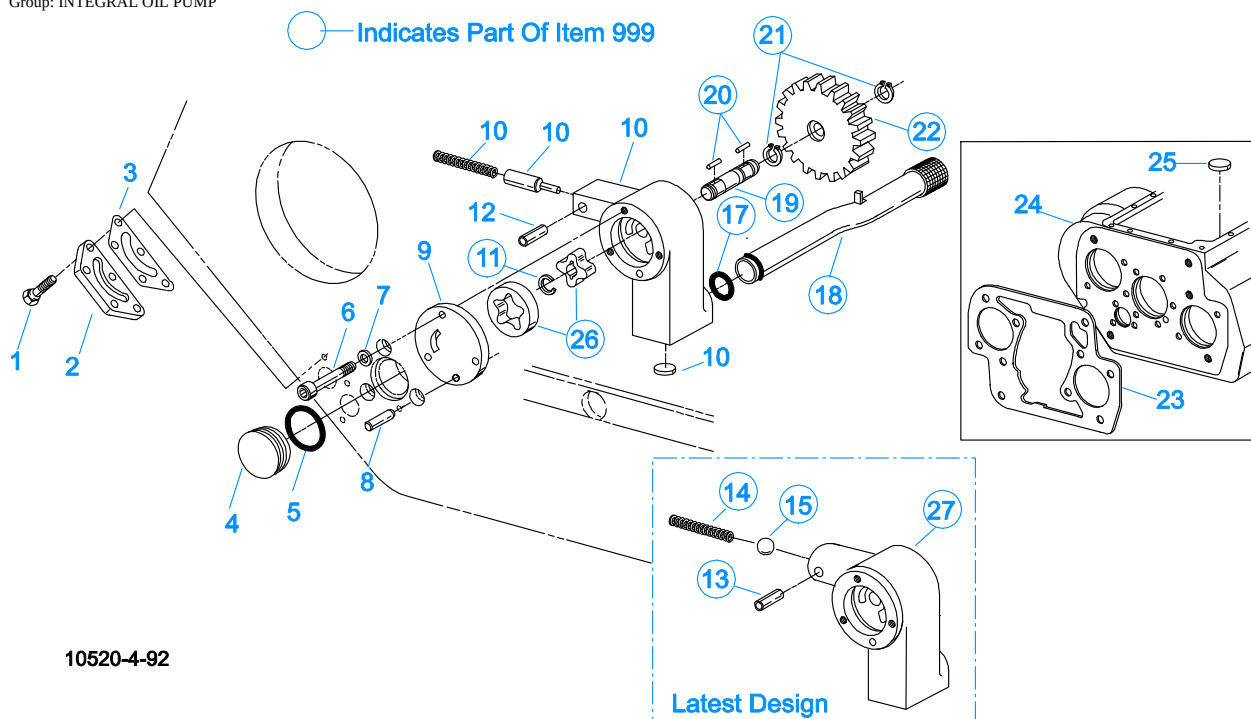
* For Shipping Only -- Do Not Replace

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10370-1/92 IS

INPUT SHAFT & DRIVE GEAR

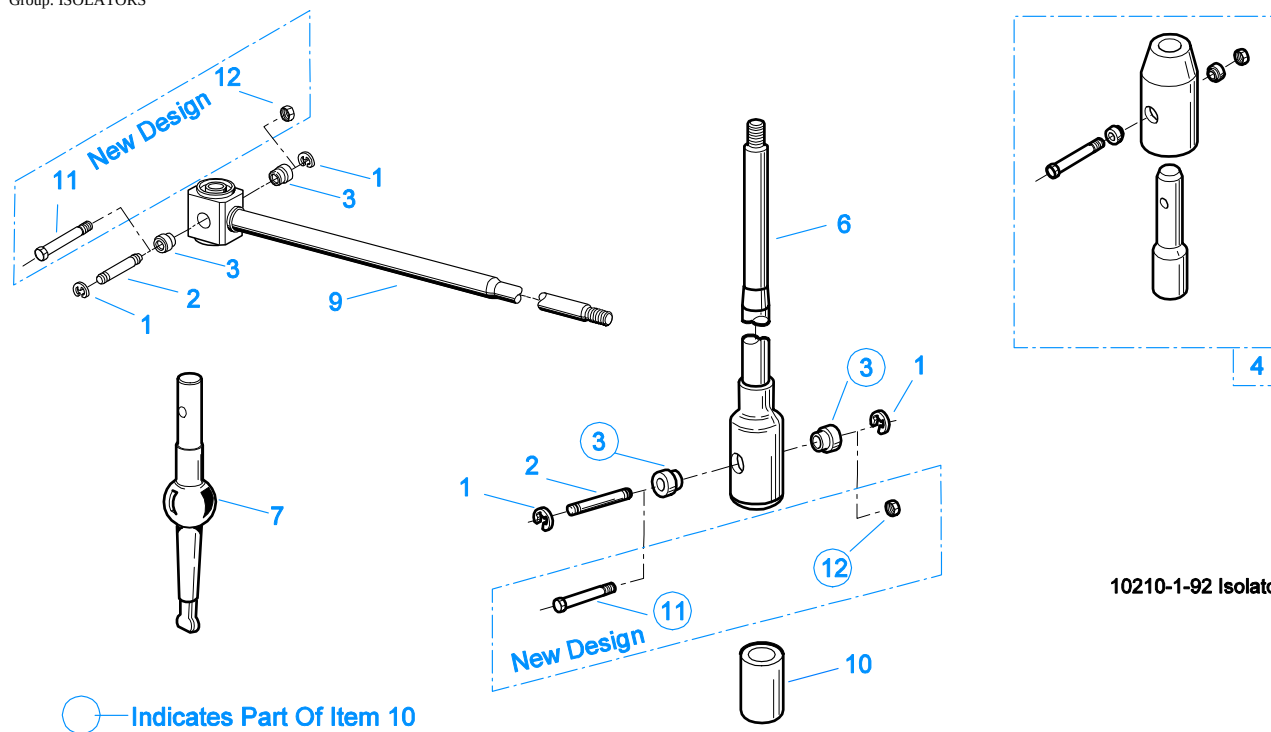
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	23559	SHIPPING SEAL		1	NOT SOLD FOR SERVICE	
2	16980	SNAP RING		1		K-2299,K-2468,K-2995,K-2998,K-4125
3	81504	BEARING		1		K-2468,K-2995,K-2998,K-4125
4	16463	SPACER		1		
5	14750	SNAP RING		1		K-2299,K-2468,K-2995,K-2998,K-4125
6	20458	MAIN DRIVE GEAR	19630	1		
8	S-1659	INPUT SHAFT	20535 23566 ,4302661	1	2" PULL - USE W/FBC 20550	K-2468,K-2995,K-4125
8	S-1660	INPUT SHAFT	20536 ,23567	1	2" PUSH - USE W/FBC 20549	
9	16566	BUSHING		1		K-2998,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" - 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		K-2402
3	20514	GASKET		1		
4	20823	PLUG		1		
5	14765	-O- RING		1		K-2297,K-2298
6	X-8-448	SCREW	X 8 445	3	1/4"-20X1-1/4"	
7	20824	WASHER		3		K-3367
8	20825	DOWEL PIN		1		
9	4303107	RETAINER	20510	1		
10	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
11	20518	CRESCENT RING		1		
12	62516	ROLL PIN	62521	1		
13	62514	ROLL PIN		1		
14	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
15	X-14-700	STEEL BALL		1	7/16"	
17	20225	-O- RING		1		
18	4305713	SUCTION TUBE	4304628	1	O-RING INCLUDED ON SUCTION TUBE	K-3367
19	20508	DRIVE SHAFT		1		
20	20509	KEY		2		
21	14853	SNAP RING		2		
22	20511	DRIVE GEAR		1		
23	4306584	CLUTCH HOUSING GASKET	4304815,4305668	1		K-2295
24	S-2127	NO LONGER AVAILABLE	4301812	1	FOR USE W/INTEGRAL PUMP	
25	14373	MAGNET		3		S-1785
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		



10210-1-92 Isolator

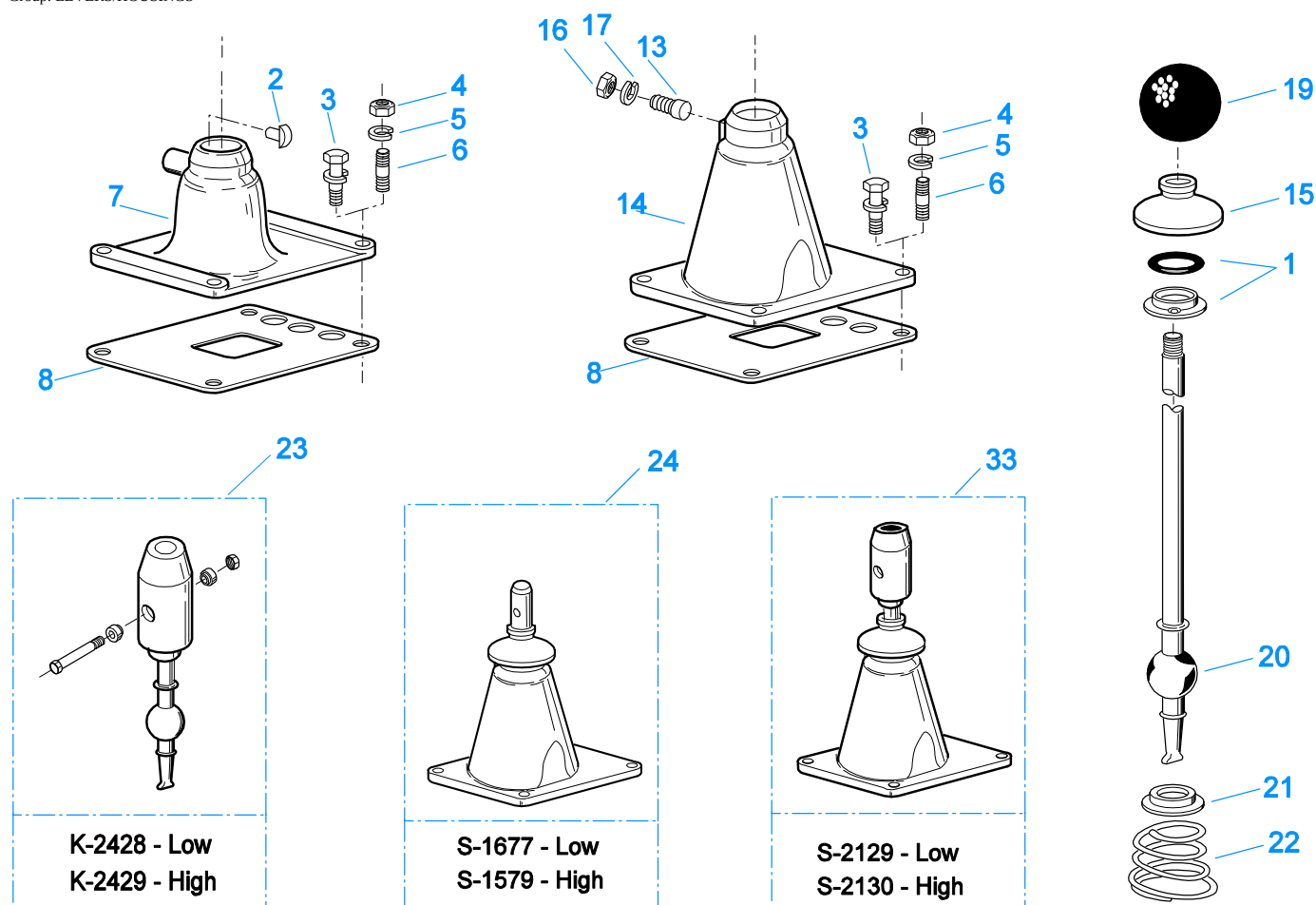
ISOLATORS

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-1476		SHIFT LEVER HSG	4530 ,17163 ,18298 ,4304905 ,A - 4437	1	LOW TOWER	
K-1698		-O- RING/ELEMENT KIT		1	FOR FILTER REGULATOR	
K-1956		COOLER INSTLN KIT		1		
K-2003		PIN & BUSHING KIT		1		
K-2078		-O- RING KIT - SPLITTER		1	SPLITTER	
K-2170		FILTER REG KIT	A - 5454	1		
K-2262		OIL SEAL W/SLINGER	19109 20807 20808	1	"FOR MECHANICAL COVER"	K-2995,K-2998
K-2295		GASKET KIT		1		K-2995,K-2998
K-2297		-O- RING KIT - RANGE		1	RANGE	
K-2298		-O- RING KIT - COMPLETE		1	COMPLETE	K-2995,K-2998
K-2299		SMALL PARTS KIT		1		
K-2347		MASTER VALVE REPAIR KIT		1	FOR A-5510 VALVE	
K-2366		KEY & WASHER KIT	21326 ,4300763 ,4304614	1	CONTAINS 3-SIDED KEY	
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-2850		HOUSING UPDATE KIT	22800 ,4301786 ,S - 1792	1		
K-2867		REPLT KIT-DRIVE GEAR	4300546 ,4302683 ,K - 2296	1		
K-2973		SHIFT LEVER HSG KIT	17166 ,17167 ,4303050 ,4304910 ,K - 1630 K - 1941	1	HIGH TOWER	
K-2995		BASIC OVERHAUL KIT		1		
K-2998		BASIC REBUILD KIT		1		
K-3190		MASTER VALVE REPAIR KIT		1	FOR A-6910 VALVE	
K-3217		IDLER SHAFT REPL KIT	4302981	1		
K-3315		MAINSHAFT REPL KIT	4302976 ,4302977 ,S - 2417	1		
K-3333		SPLITTER VLV REPL KIT	A - 6861	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-3496		SYNCHRONIZER REPLACEMENT KIT	K - 2974	1	SLIDING CLUTCH INCLUDED IN KIT	
K-3651		OIL SEAL TOOL KIT		1		
K-4125		CLUTCH INSTALLATION KIT (RT), HYDRAULIC RELEASE		1	STANDARD RT INPUT SHAFT AND YOKE FOR HYDRAULIC CLUTCH RELEASE	
S-1347		REAR HOUSING ASSY	17548 ,18736 ,18757 ,18784 ,19100	1		
S-1404		OIL FILTER	17238	1		
S-1659		INPUT SHAFT	20535 23566 4302661	1	2" PULL - USE W/FBC 20550	K-2468,K-2995,K-4125
S-1660		INPUT SHAFT	23567	1	2" PUSH - USE W/FBC 20549	
S-1785		CASE ASSY	23583	1		
S-1786		SHIFT YOKE ASSY	22801	1		
S-1790		RANGE SECTION ASSY		1		
S-1794		ISOLATOR ASSY		1		
S-1984		COVER ASSY-RANGE CYL		1		
S-2058		SHIFT BAR HSG ASSY (STD)	22800 ,4301786 ,S - 1968	1	COMPLETE - FOR USE W/SHIFT LEVER	
S-2119		REAR BRG COVER ASSY	20048 ,22045 ,4302009 ,4302031 ,S - 1558 S - 1560	1	EXTENDED	
S-2568		ROADRANGER VALVE		1	RTLO - W/SHIFT DIAGRAM	

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
	S-2737	ASSY MAINSHAFT ASSY	4304597	1	MEDALLION	K-3315

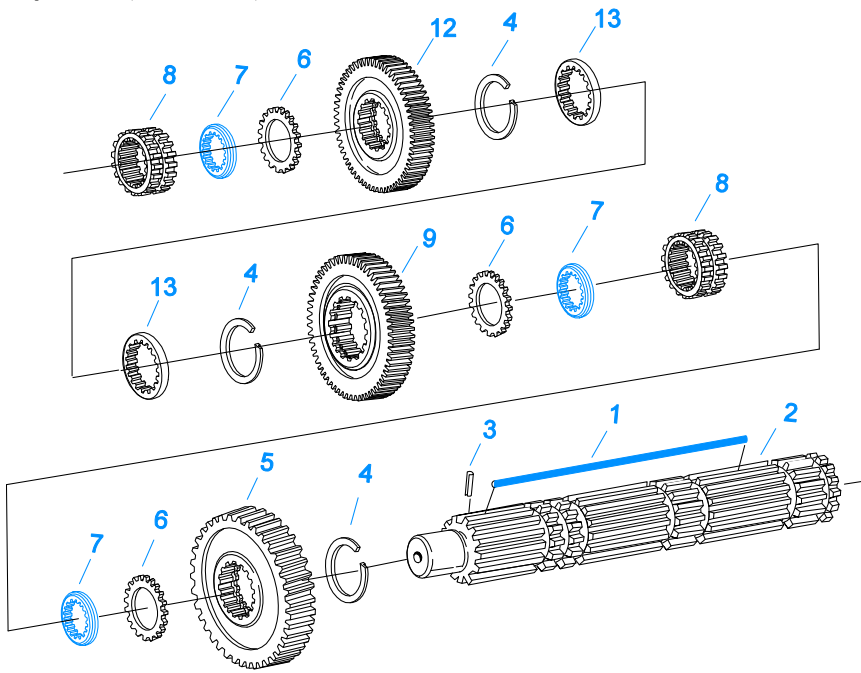


10200-10/92

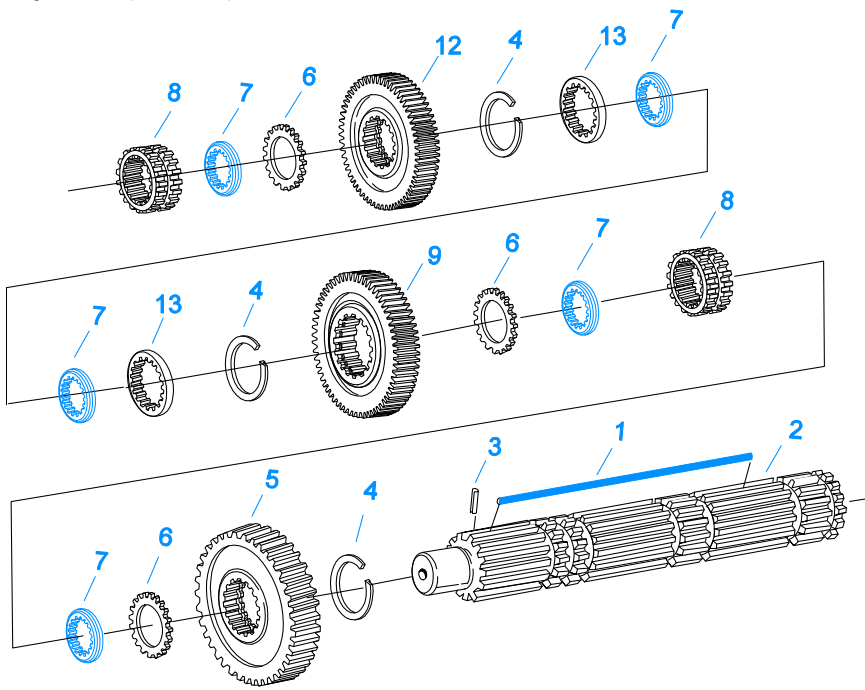
LEVERS/HOUSINGS

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,S-1677
3	X-8C-604	CAPSCREW		4	3/8"-16X1-1/4"	
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	4303432	GASKET	22799	1		K-2295,K-2850
13	6541	PIN		1	3/8"	
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,S-1579,S-1677,S-2130
16	X-1-500	NUT		1	5/16"-24	
17	X-3-500	LOCKWASHER		1	5/16"	
19	17560	LEVER GRIP		1	1/2"-13	
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,S-1579,S-1677,S-2130
22	2536	SPRING		1		K-1476,K-2973,S-1579,S-1677,S-2130
23	K-2428	LEVER REPLACEMENT KIT		1	LOW TOWER	
23	K-2429	LEVER REPLACEMENT KIT		1	HIGH TOWER	

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
		KIT				
24	S-1579	SHIFT TOWER ASSY		1	HIGH TOWER	
24	S-1677	SHIFT TOWER ASSY		1	LOW TOWER	
33	S-2129	SHIFT LEVER HSG ASSY		1	LOW TOWER	
33	S-2130	SHIFT LEVER HSG ASSY	S - 2053	1	HIGH TOWER	



Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
					4300830 USE ANY 5 WASHERS. USE WITH 3-SIDED KEY	
7	4300830	WASHER .244-BLUE		3		K-2299,K-2366,K-3315
8	16118	SLIDING CLUTCH		2		K-2995
9	23511	LO GEAR-MAINSHAFT		1		
12	22792	3RD GEAR-MAINSHAFT		1		
13	K-3315	MAINSHAFT REPL KIT	4302976 ,4302977 ,S - 2417	2		

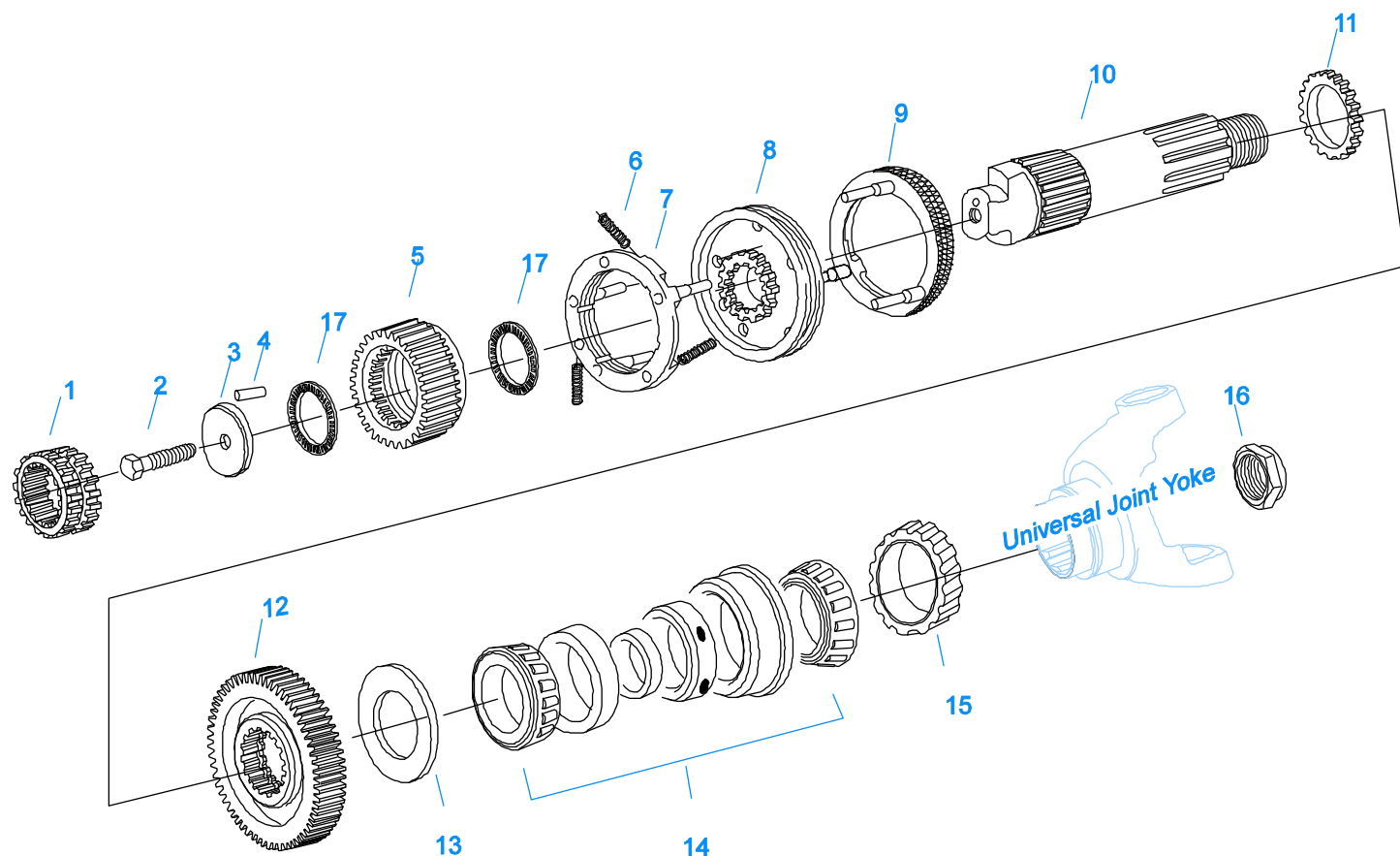


10322A-3-97 MS - LO Inertia

M/S ASSY (OLD DESIGN)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	4304614	3-SIDED KEY	4300890	1		K-2299,K-2366,K-3315
1	K-2366	KEY & WASHER KIT	21326 ,4300763 ,4304614	1	CONTAINS 3-SIDED KEY	
2	S-2660	MAINSHAFT ASSY	21594 ,4303714 ,S - 1561	1		
3	62504	ROLL PIN		1		S-2660,S-2737
4	14750	SNAP RING		3		K-2299,K-2468,K-2995,K-2998,K-4125
5	16756	REVERSE GEAR-MAINSHAFT	22408	1		
6	14749	SPACER		3		K-2299
7	14711	WASHER .248-.250 WHITE	18701	5	OPTIONAL 14711-14712 USE ANY 5 WASHERS USE WITH 21326 KEY	
7	14712	WASHER .253-.255 GREEN	18702	5	OPTIONAL 14711-14716 USE ANY 5 WASHERS USE WITH 21326 KEY	
7	14713	WASHER .258-.260 ORANGE	18703	5	OPTIONAL 14711-14716 USE ANY 5 WASHERS USE WITH 21326 KEY	
7	14714	WASHER .263-.265 PURPLE	18704	5	OPTIONAL 14711-14716 USE ANY 5 WASHERS USE WITH 21326 KEY	
7	14715	WASHER .268-.270 YELLOW	18705	5	OPTIONAL 14711-14716 USE ANY 5 WASHERS USE WITH 21326 KEY	
7	14716	WASHER .273-.275 BLACK	18706	5	OPTIONAL 14711-14716 USE ANY 5 WASHERS USE WITH 21326 KEY	
7	4300382	WASHER .249-WHITE		5		K-2299,K-2366
7	4300383	WASHER .254-GREEN		5	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 5 WASHERS. USE WITH 3-SIDED KEY	K-2299,K-2366
7	4300384	WASHER .259-ORANGE		5	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 5 WASHERS. USE WITH 3-SIDED KEY	K-2299,K-2366
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	

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
WITH 3-SIDED KEY						
7	4300830	WASHER .244-BLUE		5		K-2299,K-2366,K-3315
8	16118	SLIDING CLUTCH		2		K-2995
9	23511	LO GEAR-MAINSHAFT		1		
12	22792	3RD GEAR-MAINSHAFT		1		
13	16288	SPACER		2		K-2299,K-3315



10422-4/92 Aux MS 13/18spd

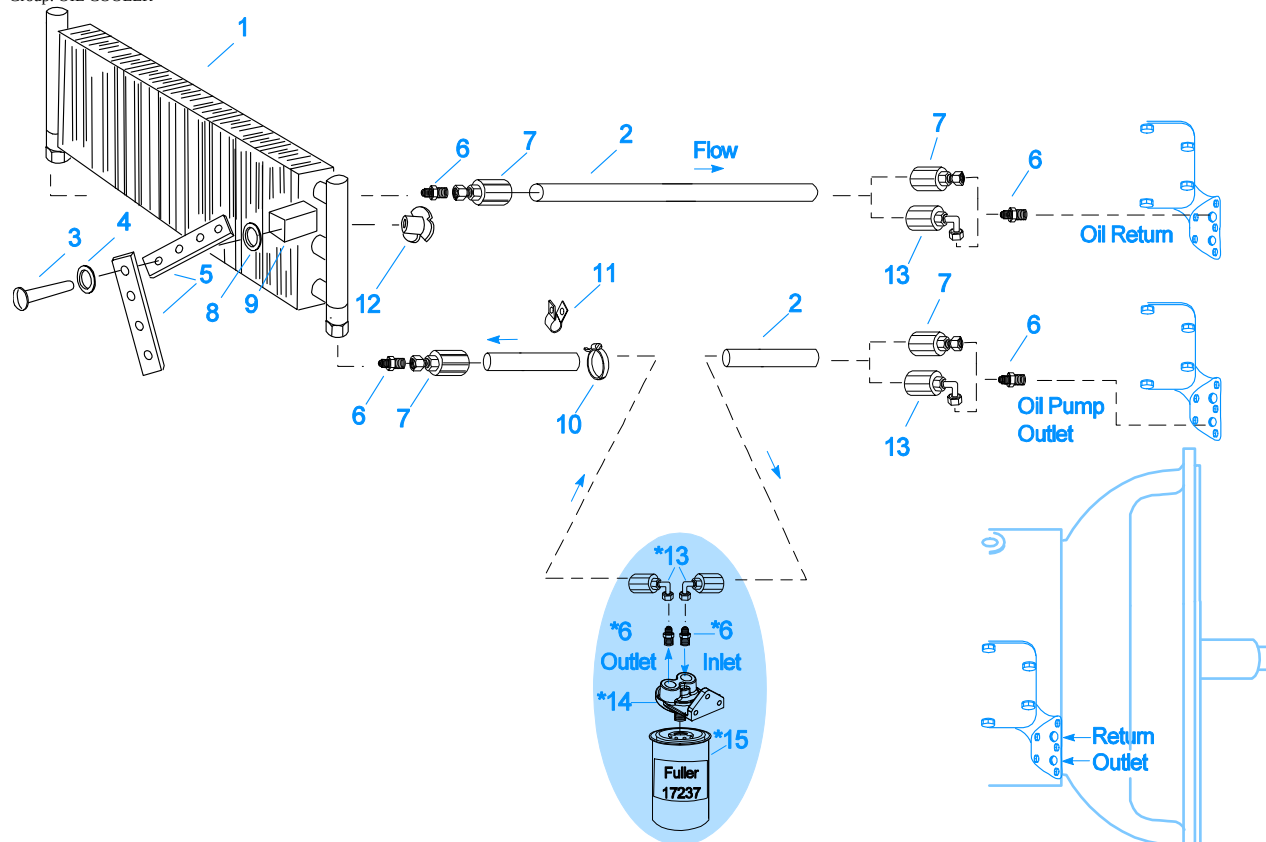
MAINSHAFT & SYNCHRO(AUX)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	21930	SLIDING CLUTCH		1		
2	X-7-1005	CAPSCREW		1	5/8"-18X1-3/4"	
3	K-2796	RETAINER REPL KIT	21606 ,4302057 ,A - 6340	1		
4	62511	ROLL PIN		1		
5	4302376	SPLITTER GEAR-MAINSHAFT	22796	1		K-2795,K-2796
6	14897	SPRING		3		K-2299,K-2995,K-2998,K-3492,K-3496
7	A-7331	SYNCHRONIZER ASSY	4304396 4304397 A - 5917	1	HI RANGE	
8	22915	SLIDING CLUTCH		1		K-3496
9	A-7254	SYNCHRONIZER ASSEMBLY	A - 4937 A - 5876	1	LO RANGE	K-3492,K-3496
10	K-2795	MAINSHAFT REPL KIT	21604	1		
11	23513	SPACER		1		K-2299
12	4300124	REDUCTION GEAR		1		
13	16772	WASHER		1		K-2299
14	15260	BEARING		1		K-2995,K-2998
15	20191	ROTOR	16295	1		
16	22254	NUT		1		S-1790
17	4302058	BEARING		2		K-2795,K-2796,K-2995,K-2998

MISCELLANEOUS

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
	23205	SHIFT LABEL		1		
	71203	SILICONE LUBE		1	8 OZ (236.59 CC)-FLEET SIZE	
	71204	ADHESIVE SEALANT		1	0.5 CC (SINGLE APPLICATION SIZE)	K-2998
	71205	SEALANT		1	2 CC (SINGLE APPLICATION SIZE)	K-2995
	71206	SILICONE LUBE		1	4 CC (SINGLE APPLICATION SIZE)	K-2078,K-2297,K-2298,K-2428,K-2429,K-3333

Group: OIL COOLER



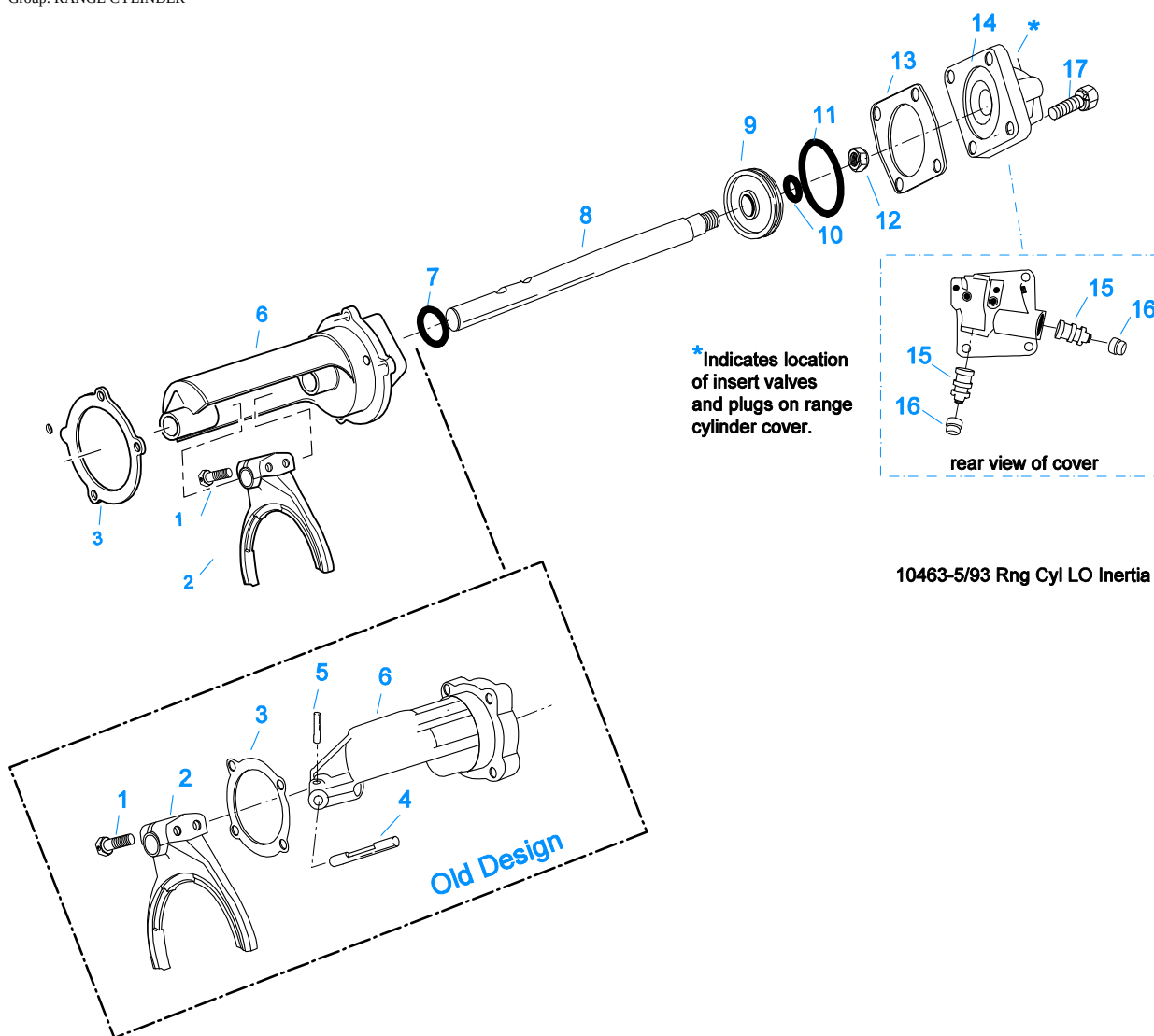
10525-4/92 Cooler

*Adding Oil Filter and parts as shown is optional.

Return / Outlet Location

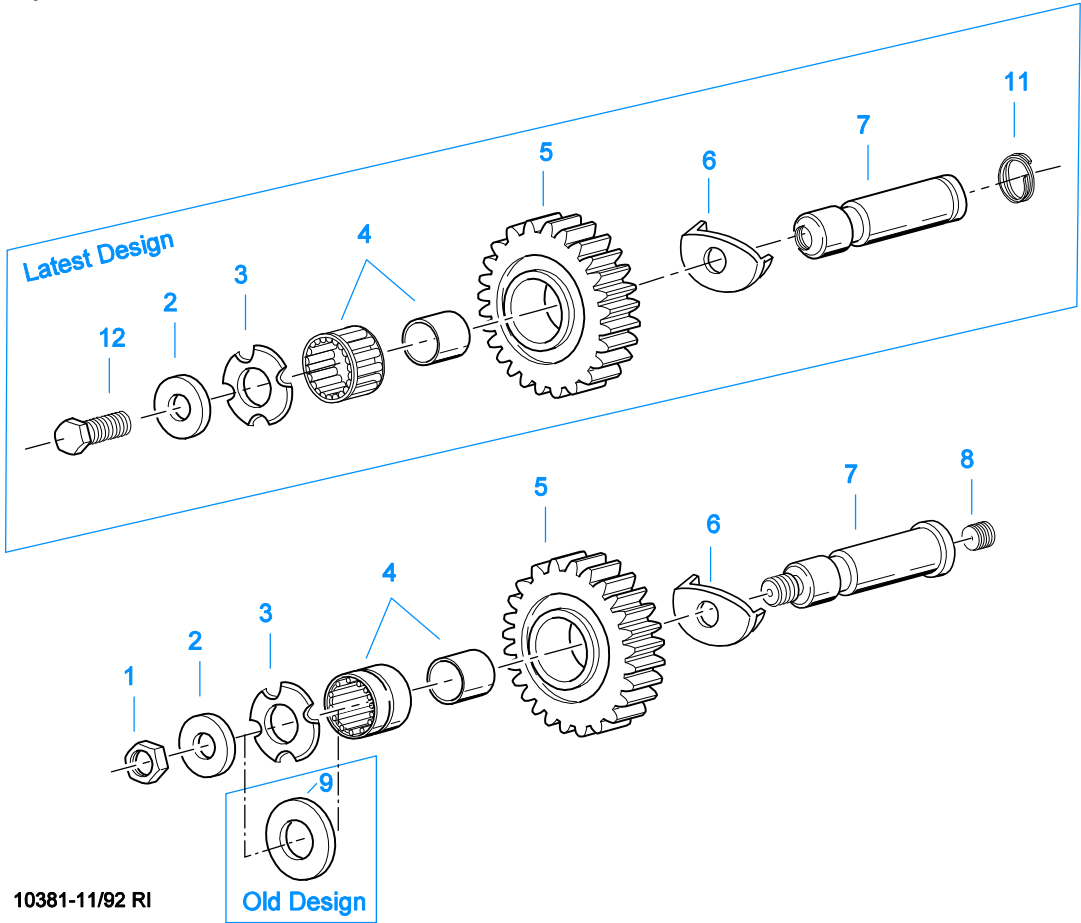
OIL COOLER

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



RANGE CYLINDER

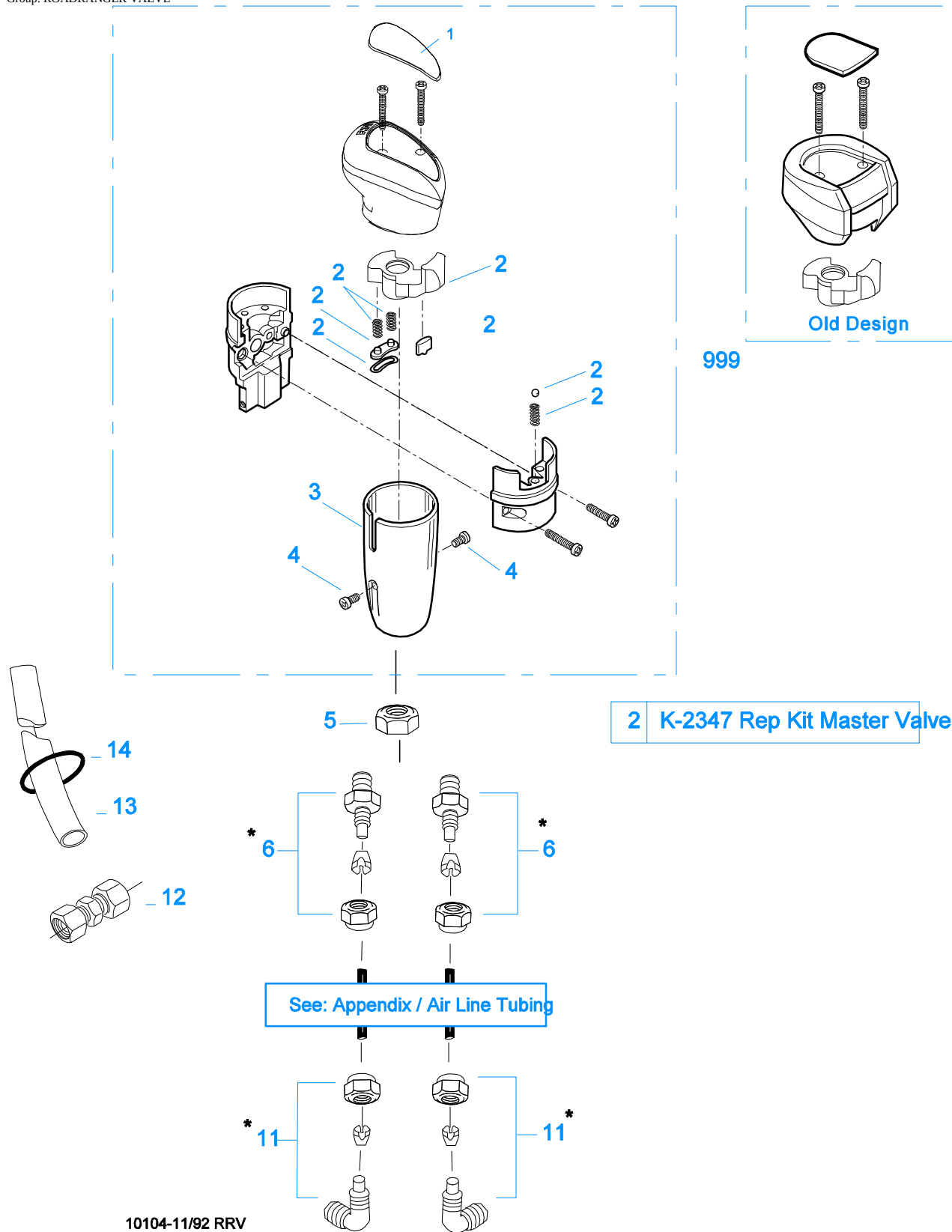
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	X-7-809	BOLT	X 7 810 ,X 7 811	2	1/2"-20X1-3/4"	
2	22823	SHIFT YOKE	16775	1		
3	14347	GASKET		1		K-2295,K-2297,K-2298
4	22821	PIN-INTERLOCK		1	PART NO LONGER REQUIRED	
5	62516	ROLL PIN	62521	1	PART NO LONGER REQUIRED	
6	4303682	RANGE CYLINDER	4301789	1		
7	14765	-O- RING		1		K-2297,K-2298
8	22824	YOKE BAR		1		
9	14341	PISTON	23353	1		
10	14345	-O- RING		1		K-2297,K-2298
11	14344	-O- RING		1		K-2297,K-2298
12	X-1-1010	NUT		1	5/8"-18	
13	22826	GASKET		1		K-2295,K-2297,K-2298,S-1984
14	22825	RANGE CYLINDER COVER		1		S-1984
15	4300810	INSERT VALVE	22641 4303615	2		K-2995,K-2998,S-1984
16	23009	PLUG		2		S-1984
17	X-8L-607	CAPSCREW		4	3/8"-16X2-1/4", 3/8"-16X2-1/4"	



10381-11/92 RI

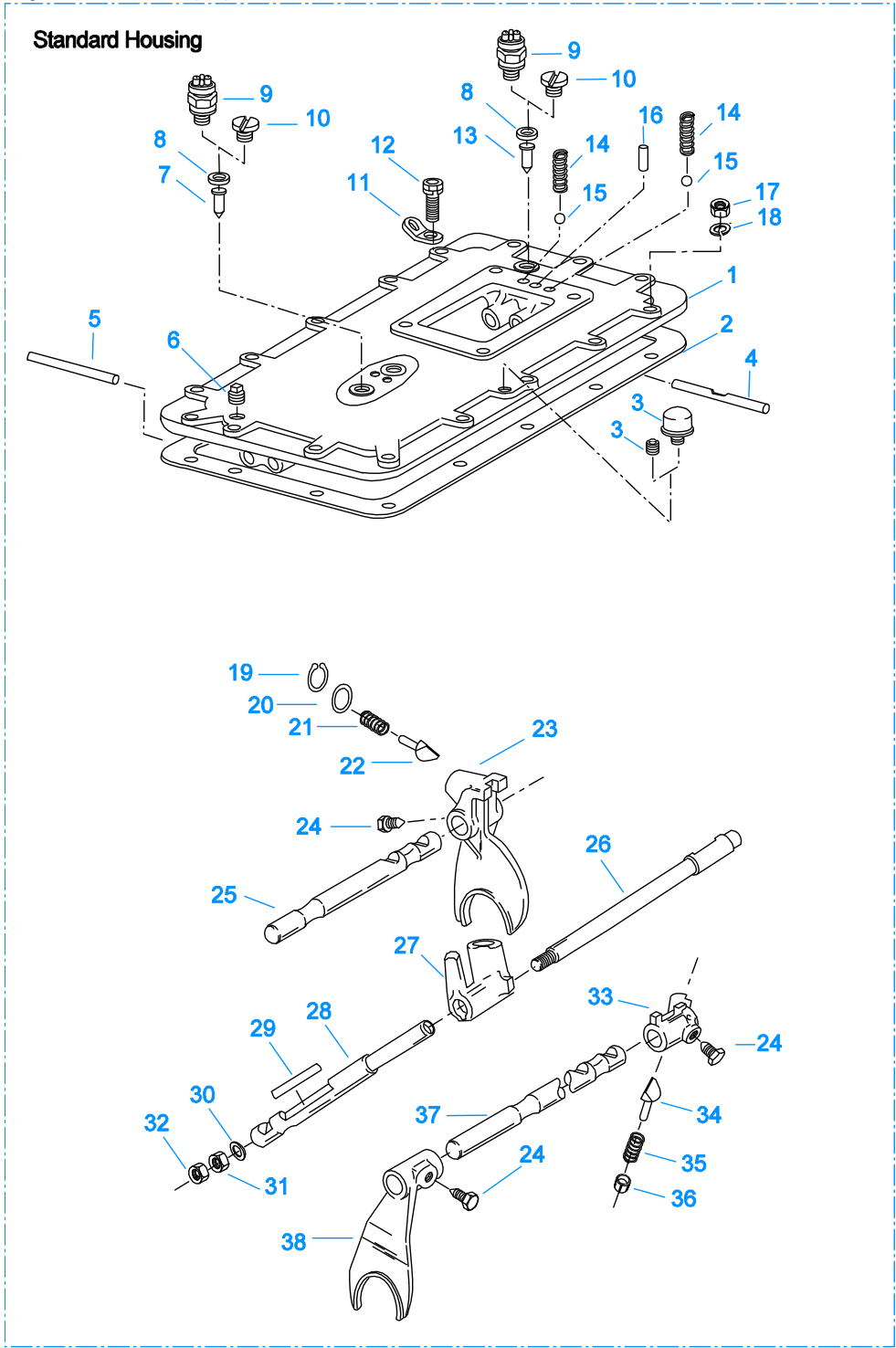
REVERSE IDLER

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-1785
4	14287	BEARING	4305020	2		K-2995,K-2998
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	



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-6910
1	5586109	SHIFT DIAGRAM MEDALLION		1	RTLO	S-2568
2	K-2347	MASTER VALVE REPAIR KIT		1	FOR A-5510 VALVE	
2	K-3190	MASTER VALVE REPAIR KIT		1	FOR A-6910 VALVE	
3	20112	COVER		1		A-6910
4	X-8-213	SCREW	X 8 202	2	8-32X3/8"	
5	X-9-802	NUT		1	1/2"-13	
6	84001	CONNECTOR ASSY	82501	2	1/8" TUBE-1/16" NPTF	
6	84003	CONNECTOR ASSY	82503	2	5/32" TUBE-1/16" NPTF	K-2995
6	84005	CONNECTOR ASSY		2	"PUSH-TO-CONNECT" 5/32" TUBE-1/16" NPTF	
11	85001	ELBOW ASSY	84501	2	5/32" TUBE-1/8" NPTF	K-2995,S-1790
11	85002	ELBOW ASSY	84502	2	1/8" TUBE-1/8" NPTF	
11	85003	ELBOW ASSY		2	"PUSH-TO-CONNECT" 5/32" TUBE-1/8" NPTF	K-3121,K-3333
12	84101	UNION ASSY		1	1/8" TUBING	
12	84102	UNION ASSY		1	5/32" TUBING	
12	84103	UNION ASSY		1	"PUSH-TO-CONNECT" 5/32" TUBING	
13	80120	SHEATHING (50 FT ROLL)		1	5/32" - BLACK 50'	
14	13571	-O- RING CLAMP		2		
999	A-6910	ROADRANGER VALVE ASSY	A - 5510	1	STANDARD-W/LOGO	
999	S-2568	ROADRANGER VALVE ASSY		1	RTLO - W/SHIFT DIAGRAM MEDALLION	



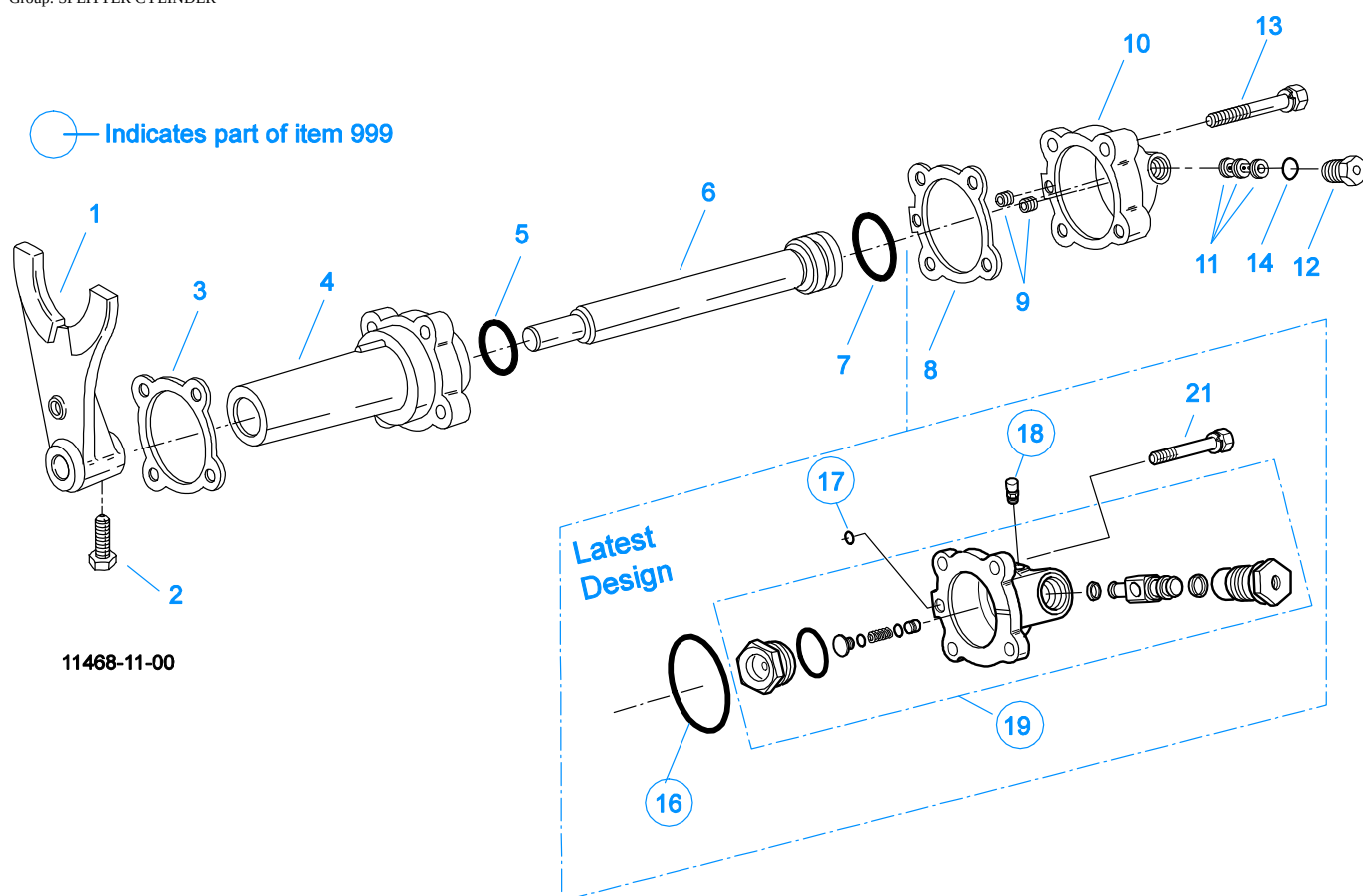
999

10222-12/92 STD Super 10

SHIFT BAR HOUSING (STD)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	K-2850	HOUSING UPDATE KIT	22800 ,4301786 ,S - 1792	1		
2	4302676	GASKET	14918	1		K-2295,K-2850,S-2058
3	4304602	BREATHER	23605	1	1/4" NPT	
3	X-12-404	PIPE PLUG		1	1/4" NPT	
4	22819	BAR-INTERLOCK		1		

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
5	22812	PIN		1		S-2058
6	X-12-603	PIPE PLUG	X12 602	1	3/8" NPT	
7	4301999	PIN	22871	1		K-2850
8	15900	GASKET		2		K-2850,S-2058
9	22940	REV/NEUTRAL LIGHT SWITC		2	SWITCH NORMALLY OPEN	
10	4303656	PLUG	15917	2		K-2850,S-2058
11	20815	LIFTING EYE		2		
12	X-8L-602	CAPSCREW		2	3/8"-16X1-1/2"	
12	X-8L-604	CAPSCREW		15	3/8"-16X1-1/4" - OR USE 13-#X-8L-604 AND 2-#X-8L-602	
13	15899	PIN		1		S-2058
14	15918	SPRING		2		K-2299,K-2995,S-2058
15	X-14-800	STEEL BALL		2	1/2"	
16	22810	NO LONGER AVAILABLE		1		
17	X-1-600	NUT		1	3/8"-24	
18	X-3-600	LOCKWASHER		1	3/8"	
19	22815	SNAP RING		1		S-1786,S-2058
20	22814	WASHER		1		S-1786,S-2058
21	22809	SPRING		1		K-2299,S-1786,S-2058
22	22811	PLUNGER		1		S-1786,S-2058
23	S-1786	SHIFT YOKE ASSY	22801	1		
24	3220	LOCKSCREW		3		S-2058
25	22804	NO LONGER AVAILABLE		1	REVERSE/1ST	
26	22807	BAR-INTERLOCK		1		
27	22802	SHIFT BLOCK		1		
28	22806	YOKE BAR		1		
29	22808	KEY		1		
30	22816	NO LONGER AVAILABLE		1		
31	X-1-600	NUT		1	3/8"-24	
32	X-1-601	NUT		1	3/8"-24 NF	
33	22803	SHIFT BLOCK		1		S-2058
34	8968	PLUG		1		S-2058
35	18739	SPRING		1		K-2299,S-2058
36	10019	PLUNGER		1		S-2058
37	22805	YOKE BAR		1	3RD/5TH	S-2058
38	16136	SHIFT YOKE		1		S-2058
999	S-2058	SHIFT BAR HSG ASSY (STD)	22800 ,4301786 ,S - 1968	1	COMPLETE (STD)	



SPLITTER CYLINDER

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	21607	SHIFT YOKE		1		
2	3220	LOCKSCREW		1		S-2058
3	14632	GASKET		1		K-2078,K-2295,K-2298
4	21609	SPLITTER CYLINDER		1		
5	21208	-O- RING		1		K-2078,K-2298
6	21608	YOKE BAR		1		
7	21209	-O- RING		1		K-2078,K-2298
8	17073	GASKET		1		K-2078,K-2295,K-2298
9	X-12-101	PLUG		2	NOT SOLD FOR SERVICE	
10	21760	COVER		1		
11	19974	INSERT VALVE	15512 4303616	1		K-2995,K-2998
12	4301233	REDUCER BUSHING		1		
13	X-8L-540	CAPSCREW		4	5/16"-18X1-7/8"	
14	5568504	-O- RING		1		
16	5568534	-O- RING		1		K-2078,K-2298,K-3333
17	13653	-O- RING		1		K-2298,K-3333
18	X2014210	BREATHER	7935	1		
19	K-3333	SPLITTER VLV REPL KIT	A - 6861	1		
21	X-8L-540	CAPSCREW		4	5/16"-18X1-7/8"	
999	K-3333	SPLITTER VLV REPL KIT	A - 6861	1		

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