Roadranger® More time on the road®

Illustrated Parts List

RTLOF-16610B-T2
July 2011

For parts or service call us
Pro Gear & Transmission, Inc.

1 (877) 776-4600

(407) 872-1901

parts@eprogear.com

906 W. Gore St.

Orlando, FL 32805

Contents

How To Use The Illustrated Parts List **3**
AUXILIARY DRIVE GEAR **4**
CASE (AUX) **5**
CASE (FRONT) **7**
COUNTERSHAFT & BRGS(AUX) **9**
COUNTERSHAFT ASSY **10**
FILTER REGULATOR **11**
HOSES & CONNECTIONS **12**
INPUT SHAFT & DRIVE GEAR **14**
INTEGRAL OIL PUMP **15**
ISOLATORS **17**
KITS & ASSEMBLIES **18**
LEVERS/HOUSINGS **20**
MAINSHAFT & SYNCHRO(AUX) **22**
MAINSHAFT ASSY **23**
MISCELLANEOUS **24**
OIL COOLER **25**
RANGE CYLINDER **26**
REVERSE IDLER **27**
ROADRANGER VALVE **30**
SHIFT BAR HOUSING (F) **31**
SPLITTER CYLINDER **33**
TOP 2 VALVE **35**

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).

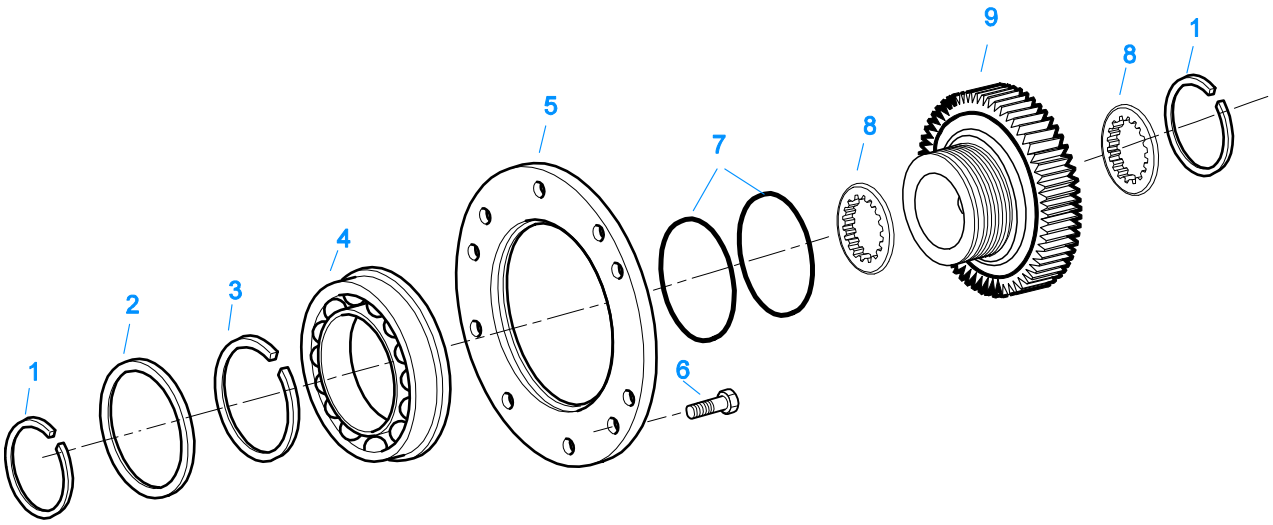
Illustrations

- 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

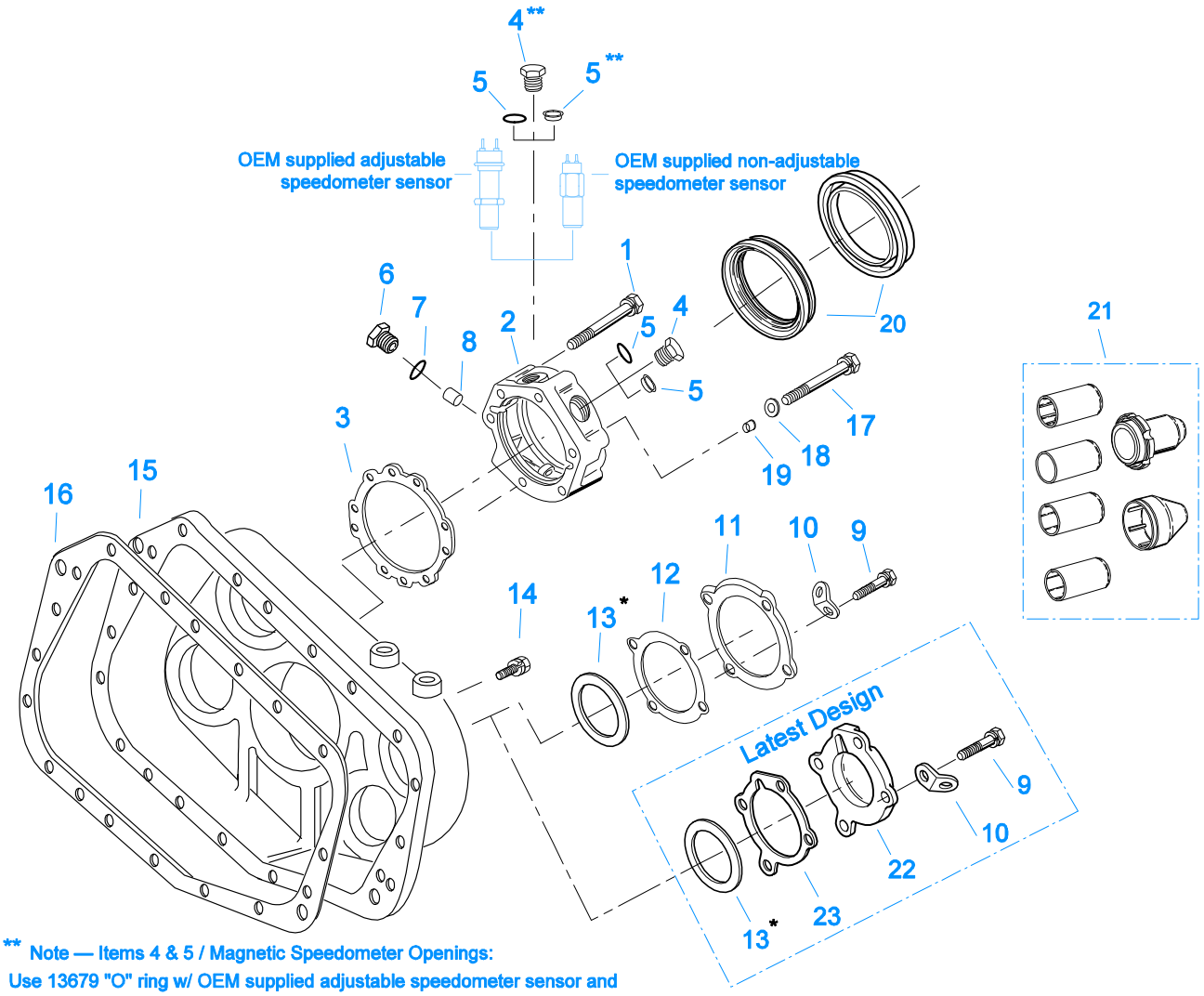
- **Item Number** - corresponding with numbers on illlustrations for part identification.
- **Current Part** - indentifies part as it is available for service.
- **Description** - specifies part name or description.
- **Replaced Part** - quantity quantity required for assembly.
- **Quantity** - defines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



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-2756,K-2765,K-2773
2	21320	SNAP RING RETAINER		1		K-2640
3	16628	SNAP RING		1		K-2756
4	5566507-BOX	BEARING	5566504,5566507	1		K-2765,K-2773
5	16138	BEARING RETAINER		1		
6	X-8-645	CAPSCREW	X 8 612	6	3/8"-16X1"	
7	17453	-O- RING		2		K-2640,K-2765,K-2773
8	21599	WASHER		2		
9	K-2640	REPL KIT-DRIVE GEAR	4301397 ,4301520	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

* See Service Manual for Proper Shimming Procedure

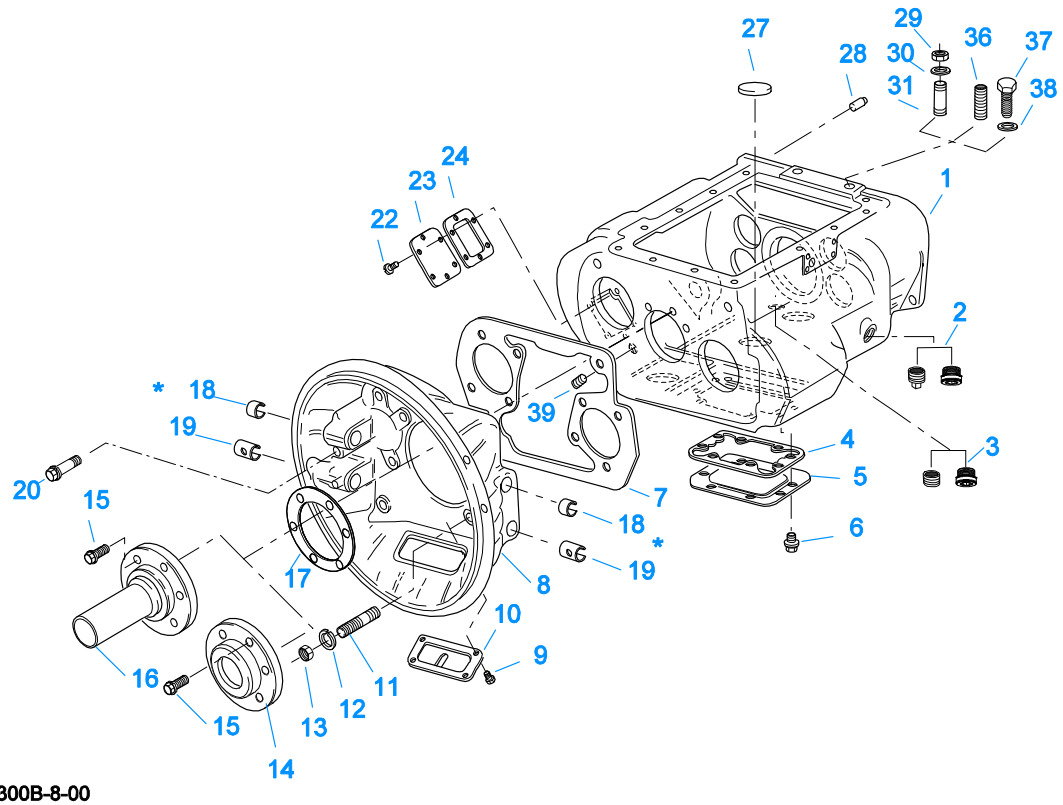
10402A-3-99

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-1603,K-2262,K-2295,S-2119
4	20224	PLUG-MAGNETIC		2		S-2119,S-2781
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 NOT TO BE USED WITH 4301954 SEAL	
5	4301954	SENSOR SEAL		2	O-RING NOT REQUIRED	S-2119
6	20226	PLUG-MECHANICAL	2237	1		S-2119,S-2781
7	14142	-O- RING		1		S-2119,S-2781
8	7992	BUSHING		1		S-2119
9	X-8L-602	CAPSCREW		8	3/8"-16X1-1/2" - BEGINNING W/SERIAL NUMBERS 51130829,	

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
					70765646 & ALL SERIAL NUMBERS STARTING WITH AN ALPHA CHARACTER	
9	X-8L-604	CAPSCREW		8	3/8"-16X1-1/4" - PRIOR TO SERIAL NUMBERS 51130829, 70765646 & PRIOR TO SERIAL NUMBERS STARTING WITH AN ALPHA CHARACTER	
10	20815	LIFTING EYE	17105	2		
11	4300925	REAR BEARING COVER	4300185	2	PRIOR TO SERIAL NUMBERS 51130829, 70765646 & PRIOR TO SERIAL NUMBERS STARTING WITH AN ALPHA CHARACTER	
12	4300186	GASKET		2	PRIOR TO SERIAL NUMBERS 51130829, 70765646 & PRIOR TO SERIAL NUMBERS STARTING WITH AN ALPHA CHARACTER	K-1603,K-2295
13	K-2430	SHIM KIT	21452	1		K-2765,K-2773,S-2781
14	X-8L-602	CAPSCREW		17	3/8"-16X1-1/2"	
14	X-8L-614	CAPSCREW		2	3/8"-16X2"	
15	4303592	REAR HOUSING		1	BEGINNING W/SERIAL NUMBERS 51130829, 70765646 & ALL SERIAL NUMBERS STARTING WITH AN ALPHA CHARACTER	
15	S-2986	REAR HOUSING CASE ASSY	4300181 ,4300863	1	PRIOR TO SERIAL NUMBERS 51130829, 70765646 & PRIOR TO SERIAL NUMBERS STARTING WITH AN ALPHA CHARACTER	
16	14335	GASKET		1		K-1603,K-2295,S-2781
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-1603,K-2262,K-2295,S-2119
20	K-2262	OIL SEAL W/SLINGER	19109 20807 20808	1	"FOR MECHANICAL COVER"	K-2765,K-2773
21	K-3651	OIL SEAL TOOL KIT		1		
22	4302320	COVER	21346	2	BEGINNING W/SERIAL NUMBERS 51130829, 70765646 & ALL SERIAL NUMBERS STARTING WITH AN ALPHA CHARACTER	S-2781
23	4305978	GASKET	4302246	1	BEGINNING W/SERIAL NUMBERS 51130829, 70765646 & ALL SERIAL NUMBERS STARTING WITH AN ALPHA CHARACTER	K-1603,K-2295,S-2781

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.

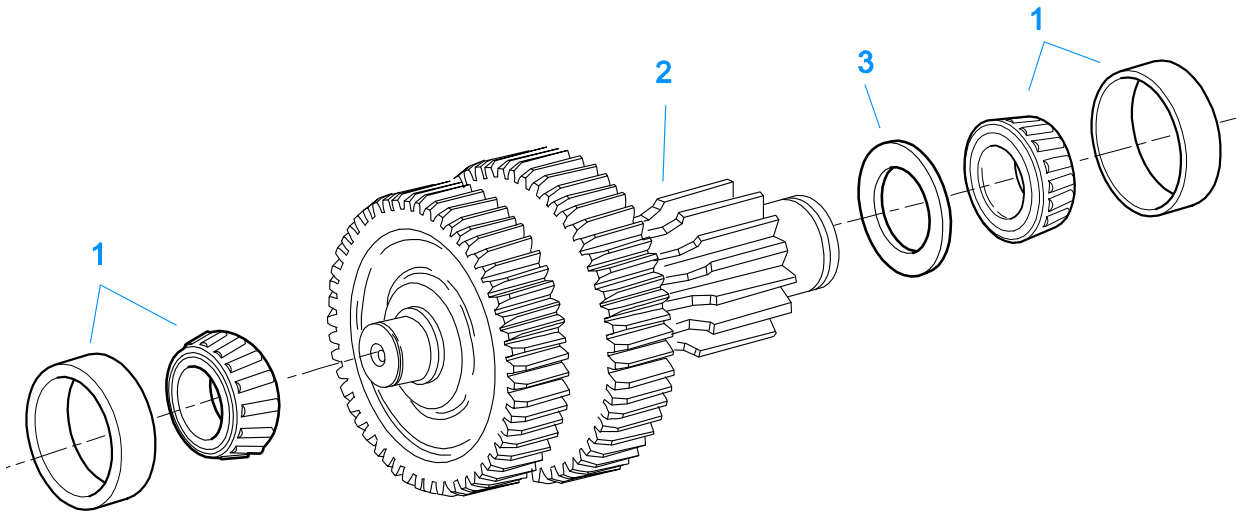
Note: Some part requirements are specific to #1 or #2 Aluminum or Iron Clutch Housings and Push or Pull type Clutch.

CASE (FRONT)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-2062	CASE ASSY	4301790	1	FOR USE W/INTEGRAL PUMP	
2	4304023	PLUG	4303747	1	1-1/16" MAGNETIC, O-RING INCLUDED	
2	X-12-2007	PIPE PLUG	X12 2006	1		
3	4304023	PLUG	4303747	1	1-1/16" MAGNETIC, O-RING INCLUDED	
3	X-12-1207	PIPE PLUG	X12 1202 ,X12 1206	1	3/4" MAGNETIC	
4	4305310	GASKET	4302810	1		K-2295
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-2295,K-4051
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-5992	CLUTCH HOUSING ASSY	4301103	1	#1 PULL ALUM.(SPECIAL-LIGHTER WEIGHT)	
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	K-4051
13	X-1-1012	HEX NUT	X-1-1005	6	.625-18	K-4051
14	20550	FRONT BRG COVER		1	2" PULL	
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		4	FOR #1 HOUSING UPPER	A-3713,A-3723,A-5992
18	12815	BUSHING		2	FOR #2 HOUSING UPPER	A-3713,A-3723,A-5992
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	K-4051
20	X-8C-831	HEX HEAD SCREW/WASHER ASSY	X-8C-822	2	.500-13 X 3.460, FOR IRON HOUSING	K-4051
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-2062
28	18128	PIN		2		
29	X-1-1012	HEX NUT		2	.625-18	K-4051
30	X-10-1005	WASHER	X 3 1000 ,X10 1000 ,X10 1004	2	1.23 X 6.60	K-4051
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)

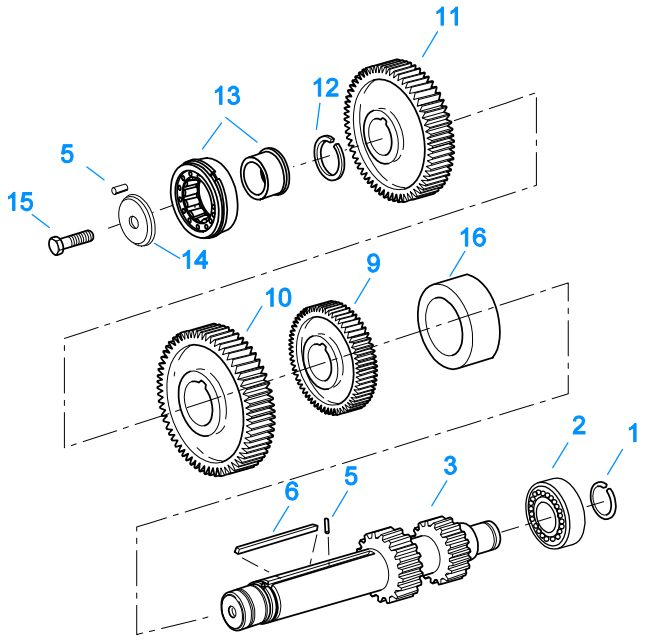


10441-4/92 Aux CS 13/18 spd

COUNTERSHAFT & BRGS(AUX)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	4302074-BOX	BEARING	21343,4302074	4		K-2765,K-2773
2	A-6387	WELDED COUNTERSHAFT ASSY		2	C/S 4301398 - D/G 4301399 S/G 4302696	
3	4300184	SPACER		2		

Group: COUNTERSHAFT ASSY

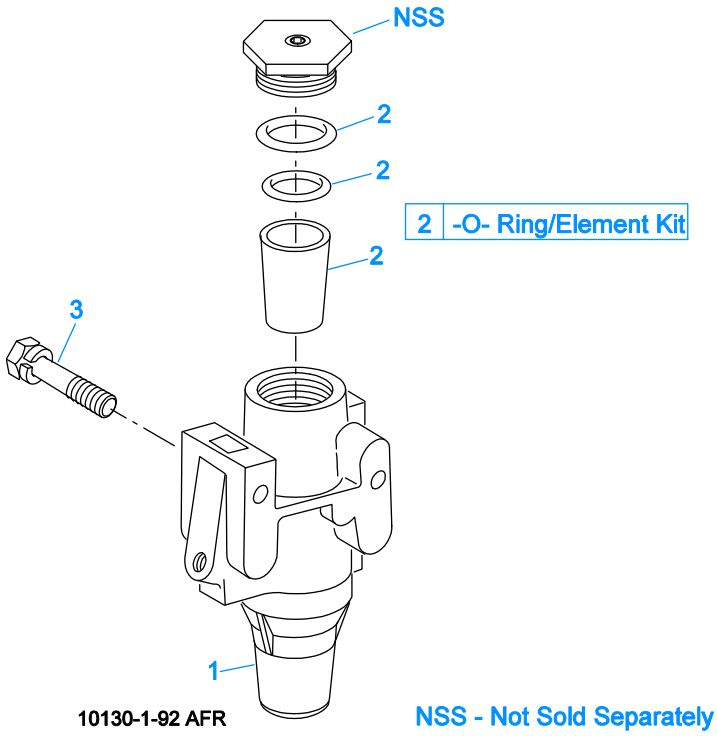


10343-11/92 CS-LO Inertia

COUNTERSHAFT ASSY

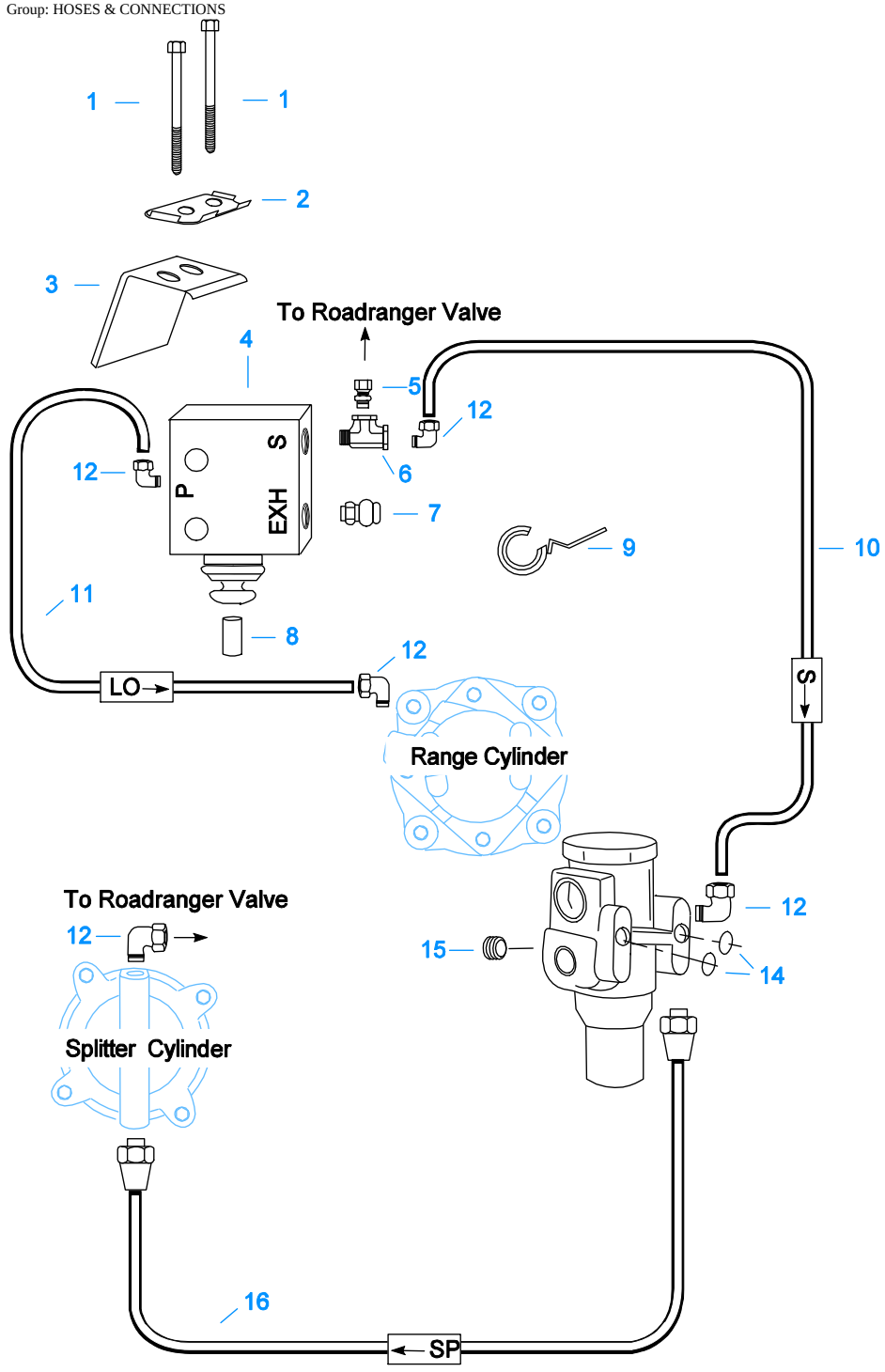
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	14317	SNAP RING		2		K-2756,K-2765,K-2773
2	14366	BEARING		2		K-2765,K-2773
3	K-2932	CNTRSHFT W/REV & LO	4301395 ,4303966 ,4303967	2		
5	62511	ROLL PIN		4	ROLL PINS NO LONGER REQUIRED	A-6340,S-2484,S-2485,S-2486
6	4303968	KEY		2		
9	4303961	2ND GEAR-CNTRSHFT	4303960	2		
10	15953	PTO GEAR - LOWER		1		
10	20840	PTO GEAR - UPPER	15952	1		
11	21586	DRIVE GEAR-CNTRSHFT	22271	2		
12	19198	SNAP RING		2		
13	4304599	BEARING	4302677 ,4304598	2		K-2765,K-2773
14	4304605	RETAINER	19548	2		
15	X-7-1005	CAPSCREW		2	5/8"-18X1-3/4"	
16	4303964	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"	

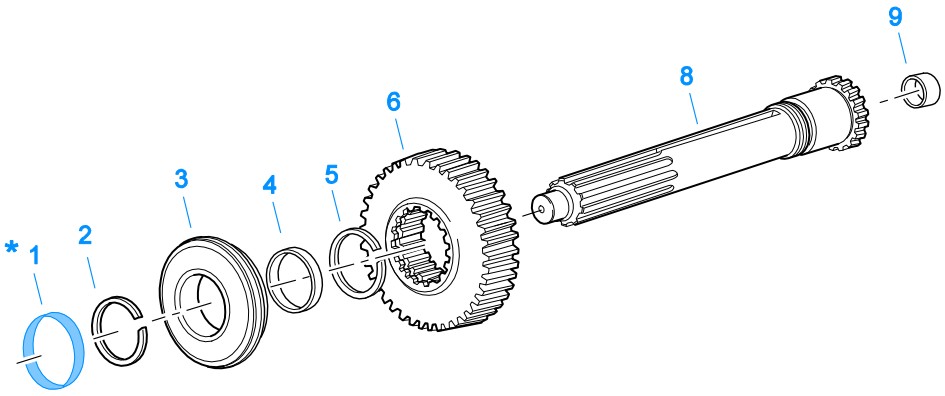


10116A-5/93 Super10 HC

HOSES & CONNECTIONS

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	X-8-434	CAPSCREW		2	1/4"-20X2"	
2	22818	LOCKWASHER		1		
3	22817	RETAINER PLATE		1		
4	K-3121	AIR VALVE CONV KIT	23545	1		
5	84002	CONNECTOR ASSY	82502	1	1/8"TUBE-1/8"NPTF	
5	84004	CONNECTOR ASSY	82504	1	5/32"TUBE-1/8"NPTF	
5	84006	CONNECTOR ASSY		1	"PUSH-TO-CONNECT" 5/32"TUBE-	K-3121,K-3198,S-

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
					1/8"NPTF	2485,S-2486
6	22870	TEE		1		
7	7935	BREATHER		1		K-3198
8	4301989	PIN	22813	1		
9	19727	HOSE CLAMP		2		S-2485,S-2486
10	75120	NYLON TUBE		1	5/32"	
11	75320	NYLON TUBE	5546014	1	5/32"	
12	85001	ELBOW ASSY	84501	5	5/32"TUBE-1/8"NPTF	
12	85002	ELBOW ASSY	84502	5	1/8"TUBE-1/8"NPTF	
12	85003	ELBOW ASSY		5	"PUSH-TO-CONNECT" 5/32"TUBE-1/8"NPTF	K-2765,K-3121,K-3198,K-3333,K-3334,S-2485,S-2486
14	15114	-O- RING		2		K-2170,K-2295,K-3334
15	X-12-208	PIPE PLUG		1	1/8" NPT	
16	55527	HOSE ASSY		1	15"	



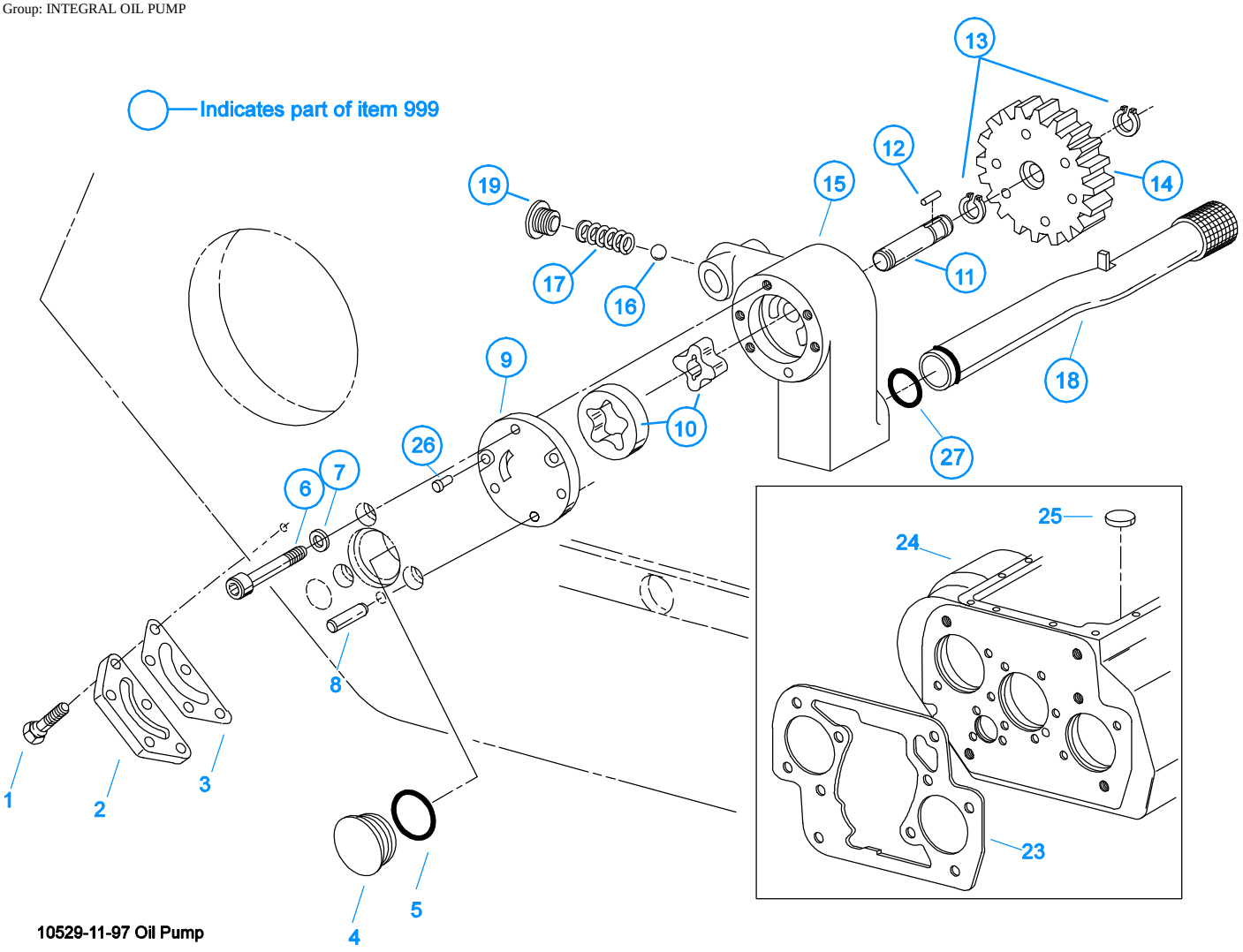
* For Shipping Only -- Do Not Replace

*

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-2756,K-2765,K-2773
3	81504	BEARING		1		K-2765,K-2773
4	16463	SPACER		1		
5	14750	SNAP RING		1		K-2756,K-2765,K-2773
6	20458	MAIN DRIVE GEAR	19630	1		
8	S-1659	INPUT SHAFT	20535 23566 ,4302661	1	2" PULL - USE W/FBC 20550	K-2765
8	S-1660	INPUT SHAFT	20536 ,23567	1	2" PUSH - USE W/FBC 20549	
9	16566	BUSHING		1		K-2773,S-1659,S-1660

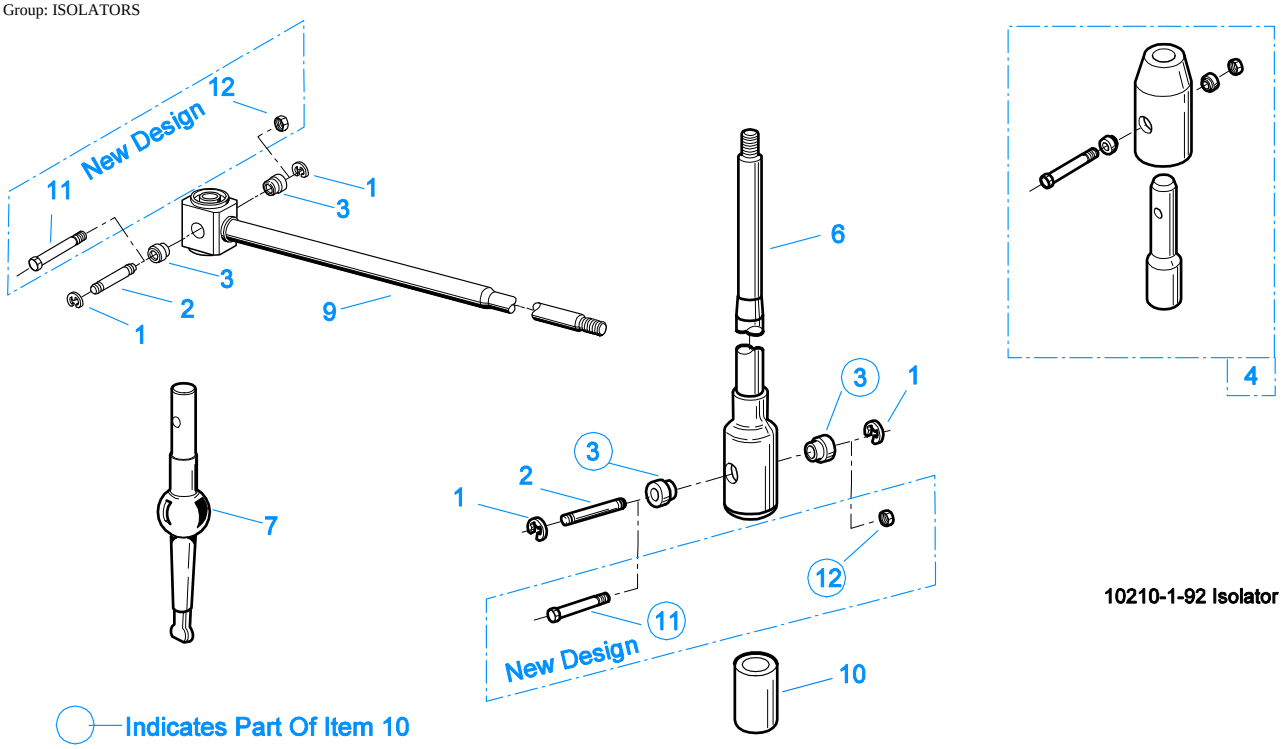


INTEGRAL OIL PUMP

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-2402
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	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-2295,K-4051
24	S-2062	CASE ASSY	4301790	1	FOR USE W/INTEGRAL PUMP	
25	14373	MAGNET		3		S-2062
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

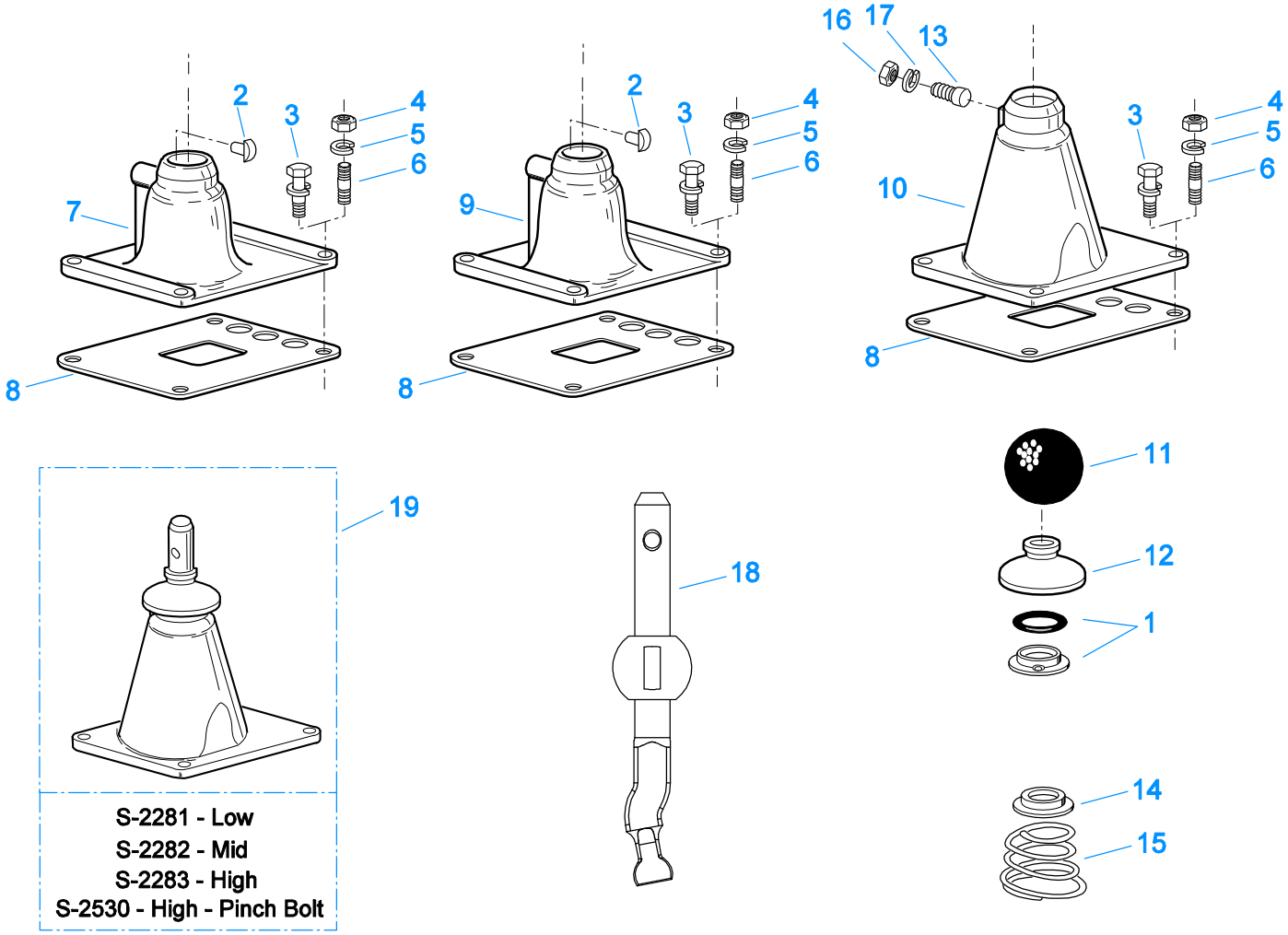
ISOLATORS

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-3399
4	S-1794	ISOLATOR ASSY		1		
6	21247	LEVER		1	STRAIGHT 18.67"	
7	21235	STUB LEVER		1	LOW TOWER	
7	21236	STUB LEVER		1	HIGH TOWER	
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-1603	GASKET KIT		1	FOR AUXILIARY SECTION	
	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-2765,K-2773
	K-2295	GASKET KIT		1		K-2765,K-2773
	K-2297	-O- RING KIT - RANGE		1	RANGE	
	K-2298	-O- RING KIT - COMPLETE		1	COMPLETE	K-2765,K-2773
	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-2402	COVER & SCREW KIT	20513 ,4300751	1		
	K-2430	SHIM KIT	21452	1		K-2765,K-2773,S-2781
	K-2640	REPL KIT-DRIVE GEAR	4301397 ,4301520	1		
	K-2756	SMALL PARTS KIT		1		
	K-2765	BASIC OVERHAUL KIT		1		
	K-2773	BASIC REBUILD KIT		1		
	K-2932	COUNTERSHAFT REPL KIT	4301395 ,4303966 ,4303967	1		
	K-2972	SHIFT LEVER HSG KIT	4304911	1	HIGH TOWER	
	K-3190	MASTER VALVE REPAIR KIT		1	FOR A-6910 VALVE	
	K-3198	T-2 VALVE KIT	691300 ,691359	1		
	K-3209	IDLER SHAFT REPL KIT	16405 ,4302981 ,4305513	1		
	K-3333	SPLITTER VLV REPL KIT	A - 6861	1		
	K-3334	RANGE VALVE REPL KIT	A - 6864	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-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-3635	SHIFT LEVER HSG KIT	4304908	1	MID TOWER	
	K-3636	SHIFT LEVER HSG KIT	4304904	1	LOW TOWER	
	K-3651	OIL SEAL TOOL KIT		1		
	K-4051	RT CLUTCH HOUSING SERVICE KIT		1		
	S-1404	OIL FILTER	17238	1		
	S-1659	INPUT SHAFT	20535 23566 ,4302661	1	2" PULL - USE W/FBC 20550	K-2765
	S-1660	INPUT SHAFT	20536 ,23567	1	2" PUSH - USE W/FBC 20549	
	S-1786	SHIFT YOKE ASSY	22801	1		
	S-1794	ISOLATOR ASSY		1		
	S-1984	COVER ASSY-RANGE CYL		1		
	S-2062	CASE ASSY	4301790	1	FOR USE W/INTEGRAL PUMP	
	S-2119	REAR BRG COVER ASSY	20048 ,22045 ,4302009 ,4302031 ,S - 1558 S - 1560	1	EXTENDED	
	S-2281	SHIFT TOWER ASSY		1	LOW TOWER	
	S-2282	SHIFT TOWER ASSY		1	MID TOWER	
	S-2283	SHIFT TOWER ASSY		1	HIGH TOWER	
	S-2484	SHIFT BAR HSG ASSY (F)	4303112	1	HOUSING ONLY	
	S-2485	SHIFT BAR HSG ASSY (F)	S - 2442	1	COMPLETE - FOR USE W/REMOTE CONTROL	
	S-2486	SHIFT BAR HSG ASSY (F)	4303112 ,S - 2416	1	COMPLETE - FOR USE W/SHIFT LEVER	
	S-2530	SHIFT TOWER ASSY		1	HIGH TOWER - PINCH BOLT	
	S-2568	ROADRANGER VALVE ASSY		1	RTLO - W/SHIFT DIAGRAM MEDALLION	
	S-2737	MAINSHAFT ASSY	4304597	1		

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
	S-2781	RANGE SECTION ASSY		1		
	S-2781R	REMAN RANGE SECTION ASSY		1		

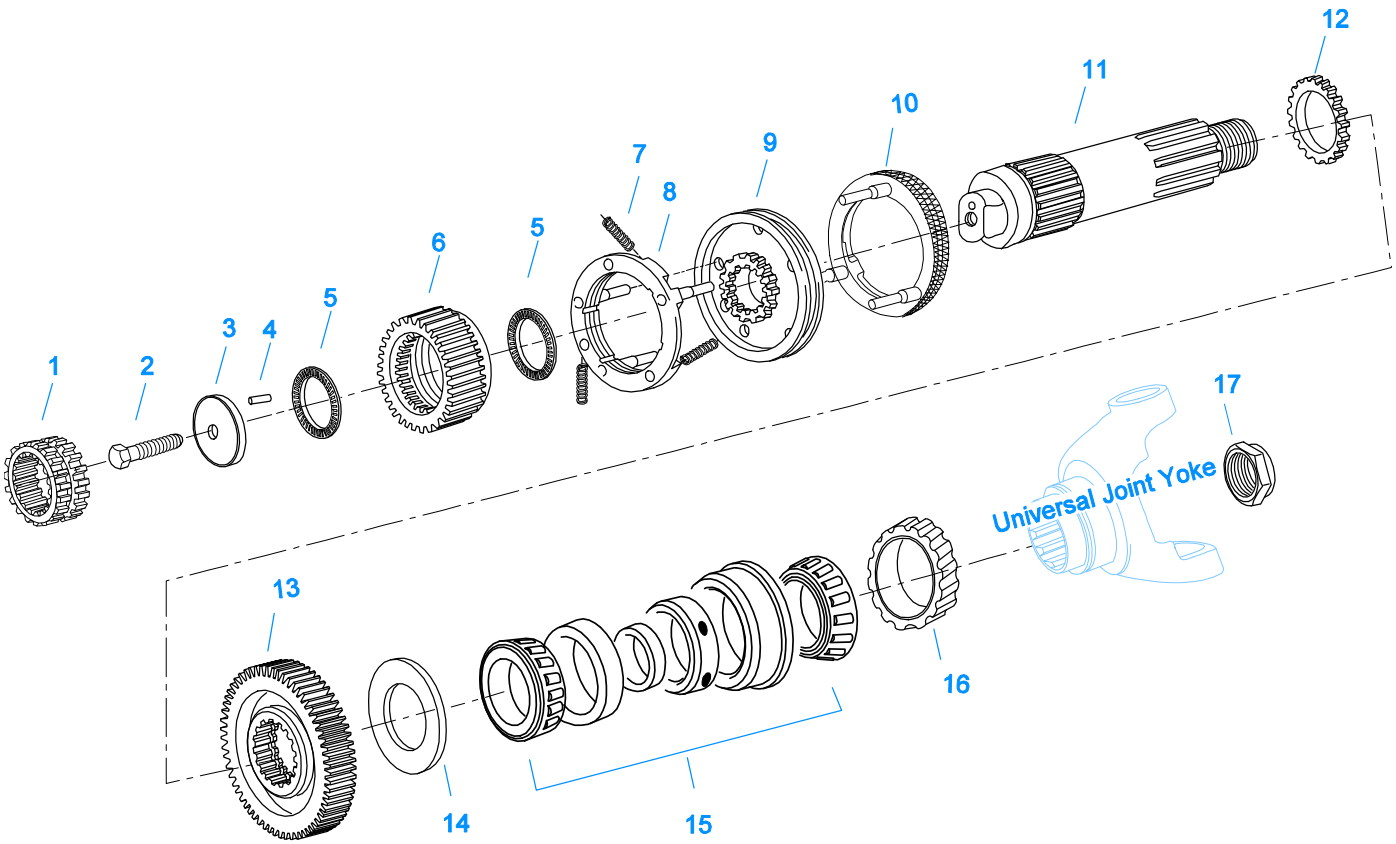


10212-10-07

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-3635,K-3636,S-2281,S-2282,S-2283,S-2530
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-3636	SHIFT LEVER HSG KIT	4304904	1	LOW TOWER	
8	4303432	GASKET	22799	1		K-2295,K-2972,K-3635,K-3636,S-2281,S-2282,S-2283,S-2530
9	K-3635	SHIFT LEVER HSG KIT	4304908	1	MID TOWER	
10	K-2972	SHIFT LEVER HSG KIT	4304911	1	HIGH TOWER	
11	17560	LEVER GRIP		1	1/2"-13	
12	10427	BOOT		1		K-2972,K-3635,K-3636,S-2281,S-2282,S-2283,S-2530
13	6541	PIN		1	3/8"	
14	2538	RETAINER		1		K-2972,K-3635,K-3636,S-2281,S-2282,S-2283,S-2530
15	2536	SPRING		1		K-2972,K-3635,K-

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
						3636,S-2281,S-2282,S-2283,S-2530
16	X-1-500	NUT		1	5/16"-24	
17	X-3-500	LOCKWASHER		1	5/16"	
18	4302532	STUB SHIFT LEVER		1	LOW	S-2281
18	4302700	STUB SHIFT LEVER		1	MID	S-2282
18	4303556	STUB SHIFT LEVER		1	HIGH	S-2283
18	4303600	STUB SHIFT LEVER		1	HIGH - PINCH BOLT	S-2530
19	S-2281	SHIFT TOWER ASSY		1	LOW TOWER	
19	S-2282	SHIFT TOWER ASSY		1	MID TOWER	
19	S-2283	SHIFT TOWER ASSY		1	HIGH TOWER	
19	S-2530	SHIFT TOWER ASSY		1	HIGH TOWER - PINCH BOLT	

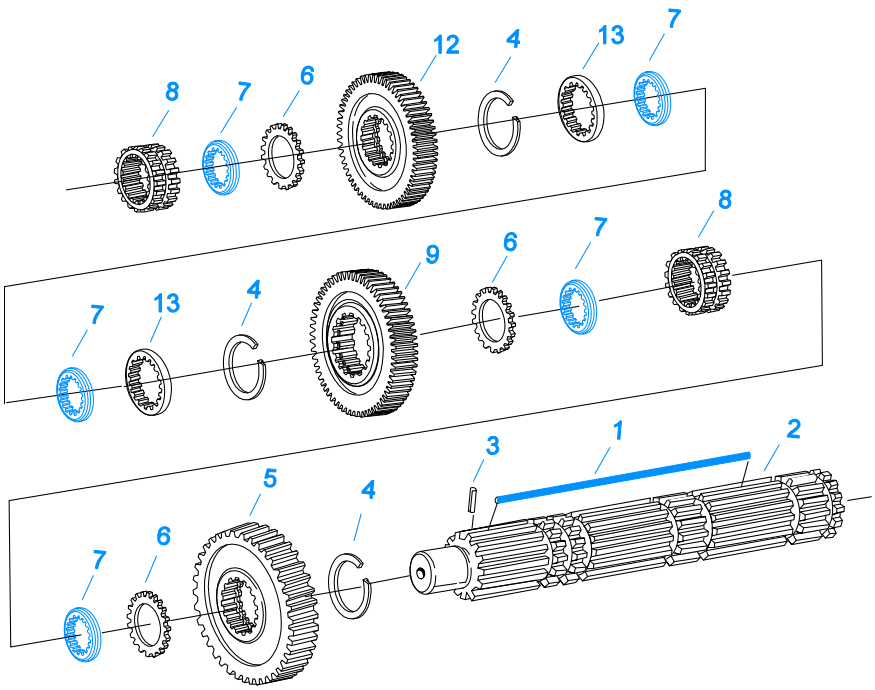


10423-10/92 Aux MS RTLO 10

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	A-6340	RETAINER ASSY	4302057	1		K-2765,K-2773
4	62511	ROLL PIN		1		A-6340,S-2484,S-2485,S-2486
5	4302058	BEARING		2		K-2765,K-2773
6	4302695	SPLITTER GEAR-MAINSHAFT	4301940 ,4302066	1		
7	14897	SPRING		3		K-2756,K-2765,K-2773,K-3492,K-3494
8	A-7331	SYNCHRONIZER ASSY	4304396 4304397 A - 5917	1	HI RANGE	K-3492,K-3494
9	20323	SLIDING CLUTCH		1		K-3494
10	A-7254	SYNCHRONIZER ASSEMBLY	A - 4937 A - 5876	1	LO RANGE	K-3492,K-3494
11	4302059	AUXILIARY MAINSHAFT		1		
12	19203	SPACER		1		K-2756
13	4301400	REDUCTION GEAR		1		
14	16772	WASHER		1		K-2756
15	15260	BEARING		1		K-2765,K-2773
16	20191	ROTOR	16295	1		
17	22254	NUT	11956	1		S-2781

Group: MAINSHAFT ASSY



10322A-3-97 MS - LO Inertia

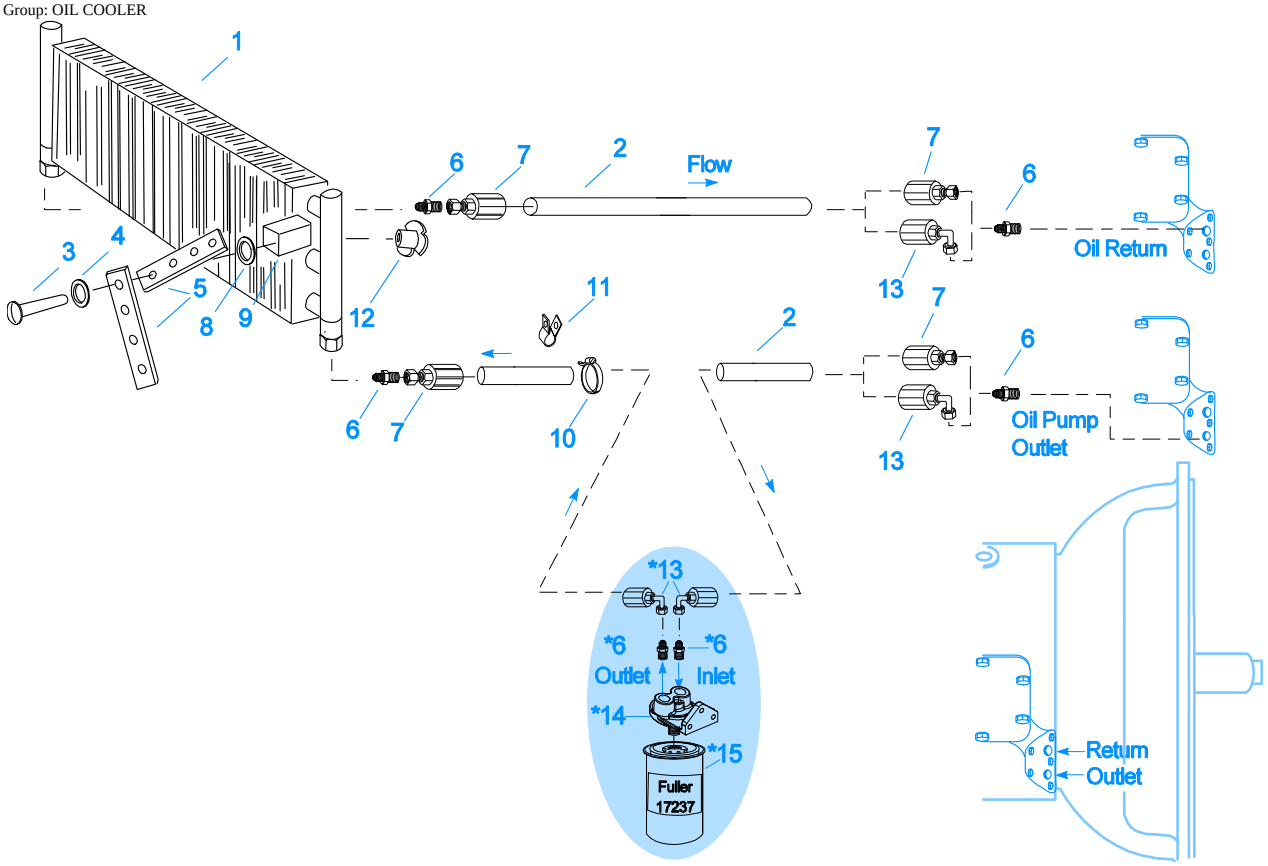
MAINSHAFT ASSY

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	4304614	3-SIDED KEY	4300890	1		K-2366,K-2756
1	K-2366	KEY & WASHER KIT	21326 ,4300763 ,4304614	1	CONTAINS 3-SIDED KEY	
2	S-2737	MAINSHAFT ASSY	4304597	1		
3	62504	ROLL PIN		1		S-2737
4	14750	SNAP RING		3		K-2756,K-2765,K-2773
5	16756	REVERSE GEAR-MAINSHAFT	22408	1		
6	14749	SPACER		3		K-2756
7	4300382	WASHER .249-WHITE		5		K-2366,K-2756
7	4300383	WASHER .254-GREEN		5	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 5 WASHERS. USE WITH 3-SIDED KEY	K-2366,K-2756
7	4300384	WASHER .259-ORANGE		5	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 5 WASHERS. USE WITH 3-SIDED KEY	K-2366,K-2756
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-2366,K-2756
8	16118	SLIDING CLUTCH		2		K-2765
9	4301396	LO GEAR-MAINSHAFT	4301519	1		
12	4303969	2ND GEAR-MAINSHAFT	4301394 ,4301517	1		
13	16288	SPACER		2		K-2756

MISCELLANEOUS

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
	4303343	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)	K-3198
	71205	SEALANT		1	2 CC (SINGLE APPLICATION SIZE)	K-2765,K-2773
	71206	SILICONE LUBE		1	4 CC (SINGLE APPLICATION SIZE)	K-2078,K-2297,K-2298,K-3333,K-3334

Group: OIL COOLER



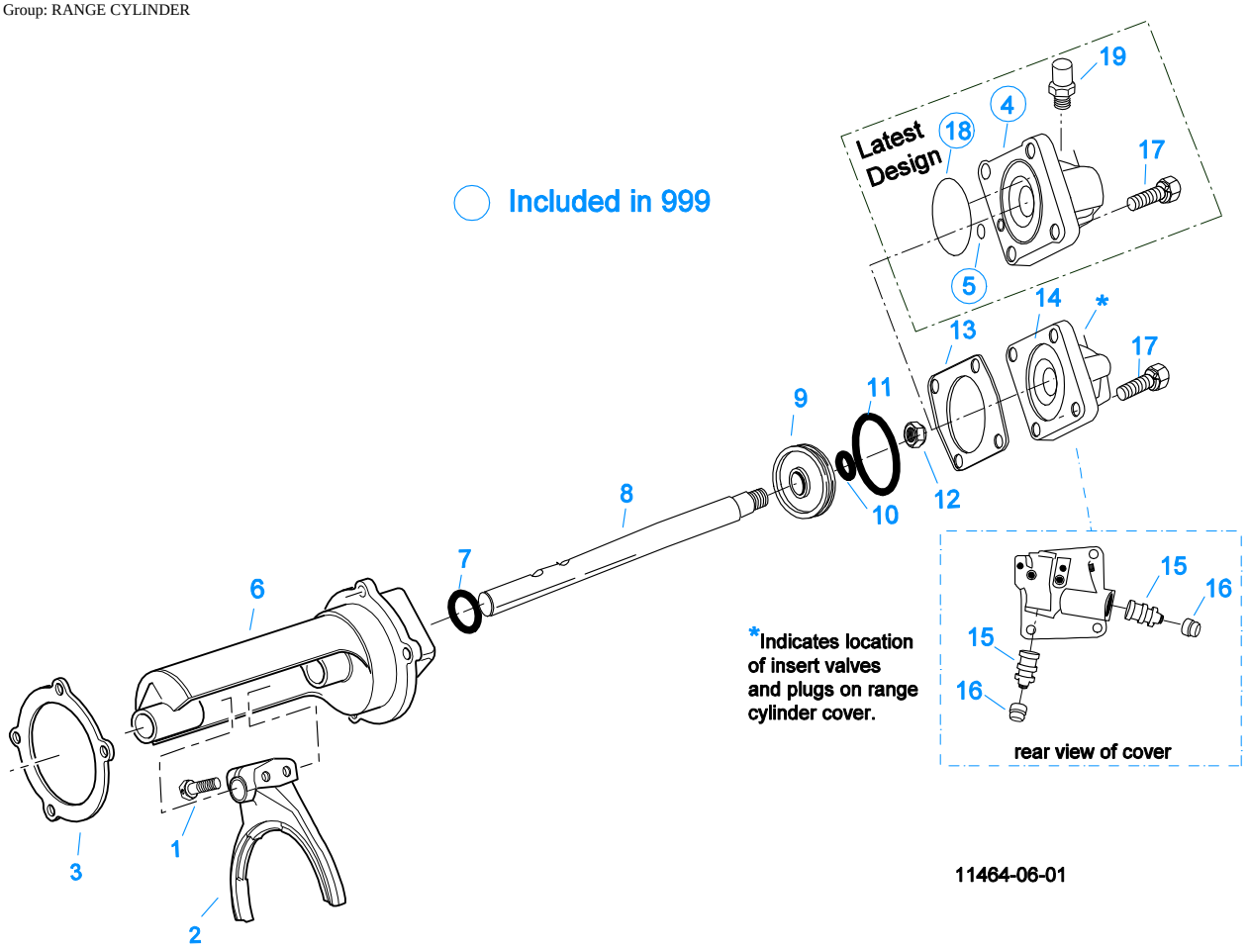
10525-4/92 Cooler

*Adding Oil Filter and parts as shown is optional.

Return / Outlet Location

OIL COOLER

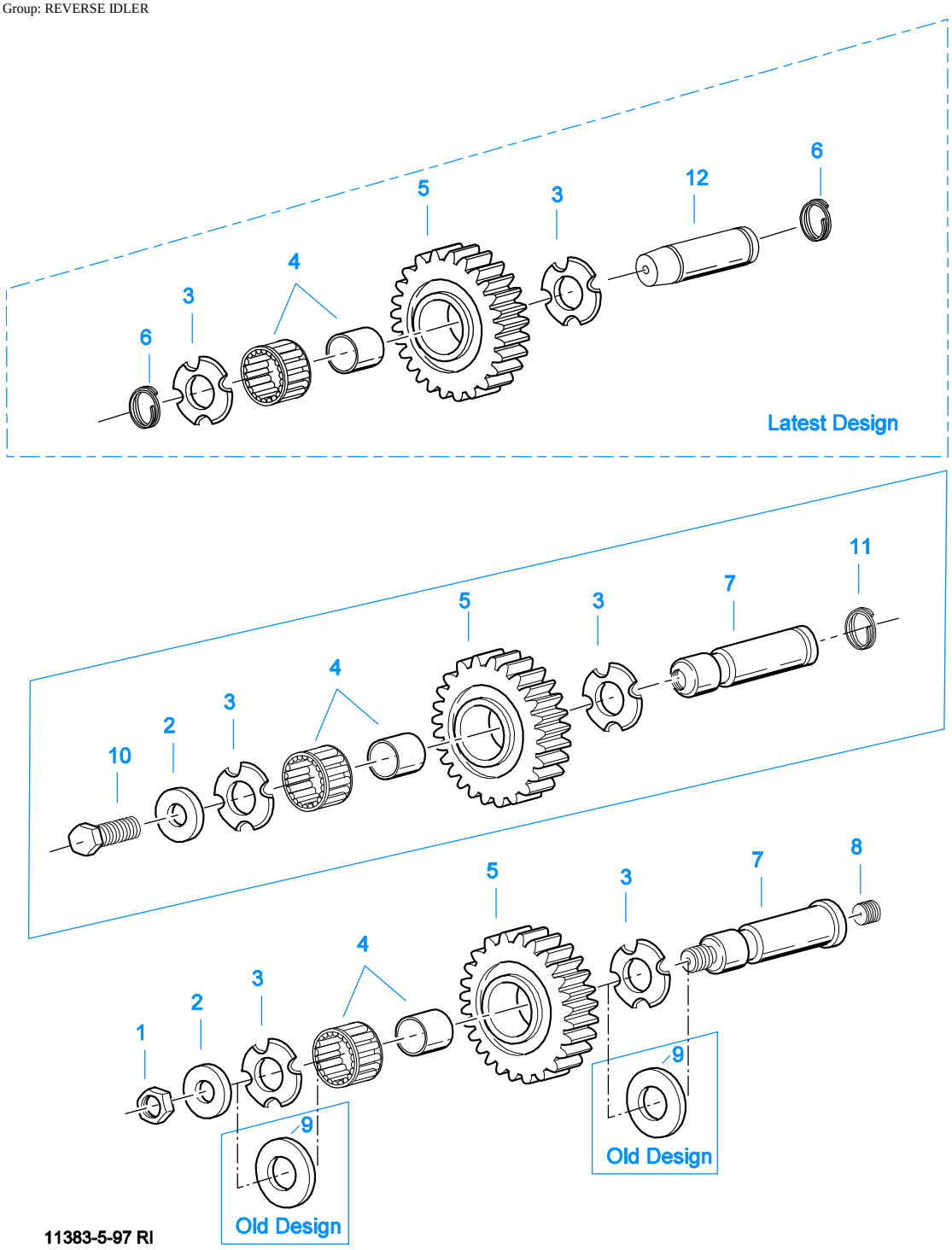
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	18025	OIL COOLER		1		K-1956
2	19424	HOSE		1	25 FEET	K-1956
3	X-8-535	CAPSCREW		2	5/16"-16X2-1/2"	
4	X-3-506	LOCKWASHER		2	5/16"	
5	18211	BRACKET		4		K-1956
6	19419	CONNECTOR		6		K-1956,S-1404
7	19415	SWIVEL		4		K-1956
8	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-1603,K-2295,K-2297,K-2298
4	K-3334	RANGE VALVE REPL KIT	A - 6864	1		
5	14197	-O- RING		1		K-2297,K-2298,K-3334
6	4303682	RANGE CYLINDER	4301789	1		
7	14765	-O- RING		1		K-2297,K-2298
8	4301558	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-1603,K-2295,K-2297,K-2298,S-1984
14	22825	RANGE CYLINDER COVER		1		S-1984
15	4300810	INSERT VALVE	22641 4303615	2		K-2765,K-2773,S-1984
16	23009	PLUG		2		S-1984
17	X-8L-607	CAPSCREW	X 8 607	4	3/8"-16X2-1/4", 3/8"-16X2-1/4"	
18	5568539	O-RING		1		K-2297,K-2298,K-3334
19	X2014210	BREATHER	7935	1		
999	K-3334	RANGE VALVE REPL KIT	A - 6864	1		

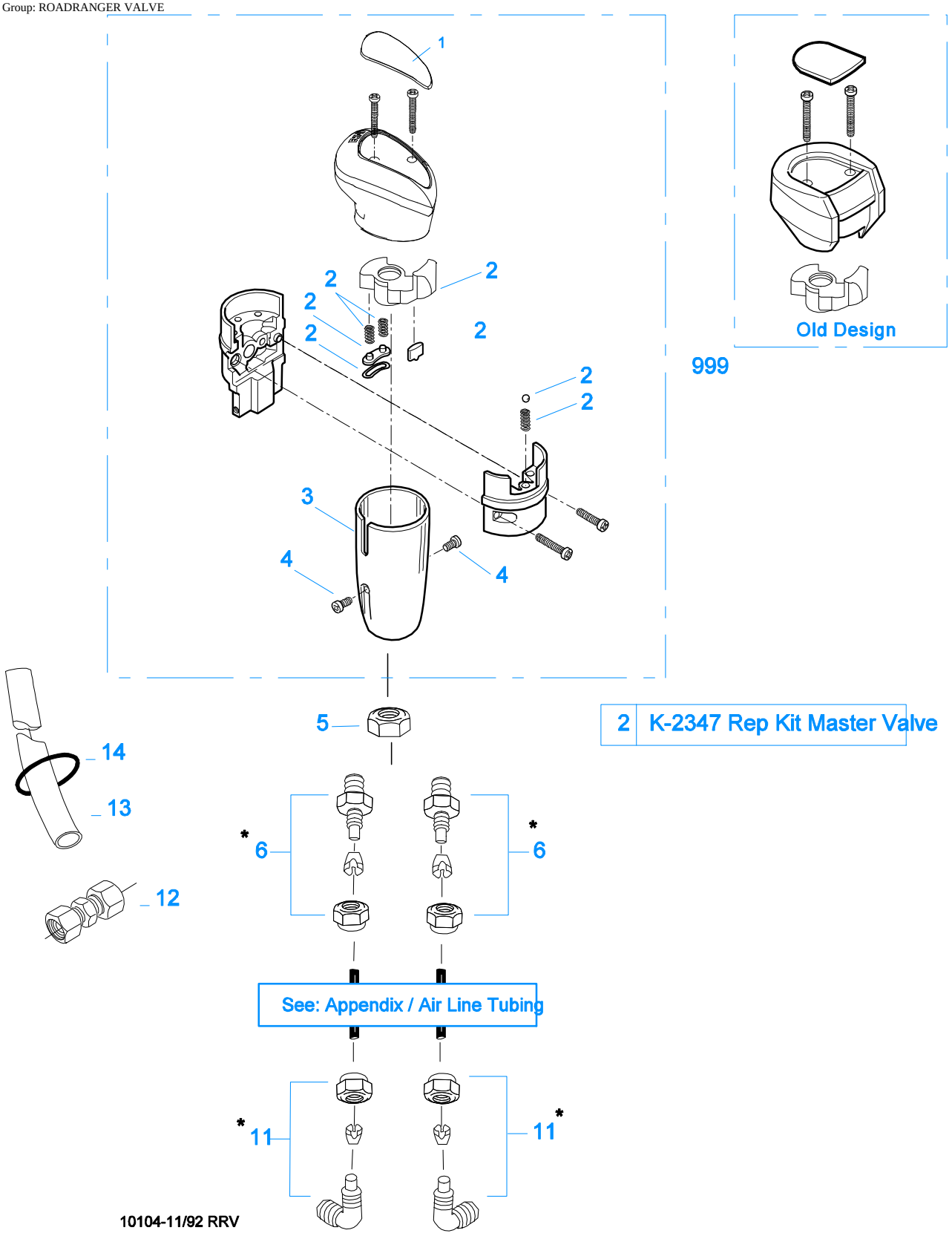
Group: REVERSE IDLER



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		
3	4302982	WASHER	14282	4		K-3209,S-2062
4	14287	BEARING	4305020	2		K-2765,K-2773
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

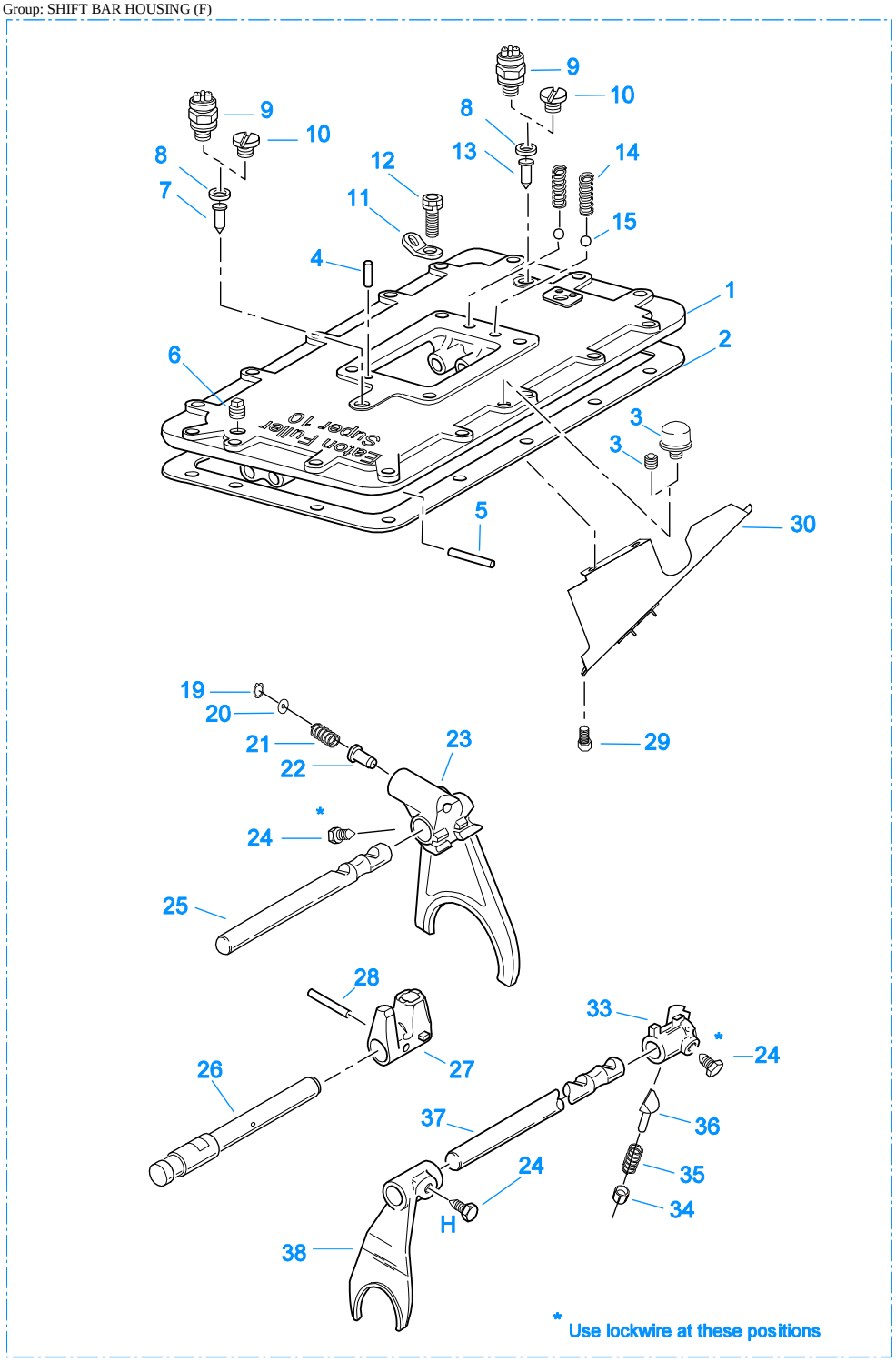


* For Connector and Elbow Assy component information see Appendix.

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	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	
6	84005	CONNECTOR ASSY		2	"PUSH-TO-CONNECT" 5/32"TUBE-1/16"NPTF	K-2765
11	85001	ELBOW ASSY	84501	2	5/32"TUBE-1/8"NPTF	
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-2765,K-3121,K-3198,K-3333,K-3334,S-2485,S-2486
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	

Group: SHIFT BAR HOUSING (F)

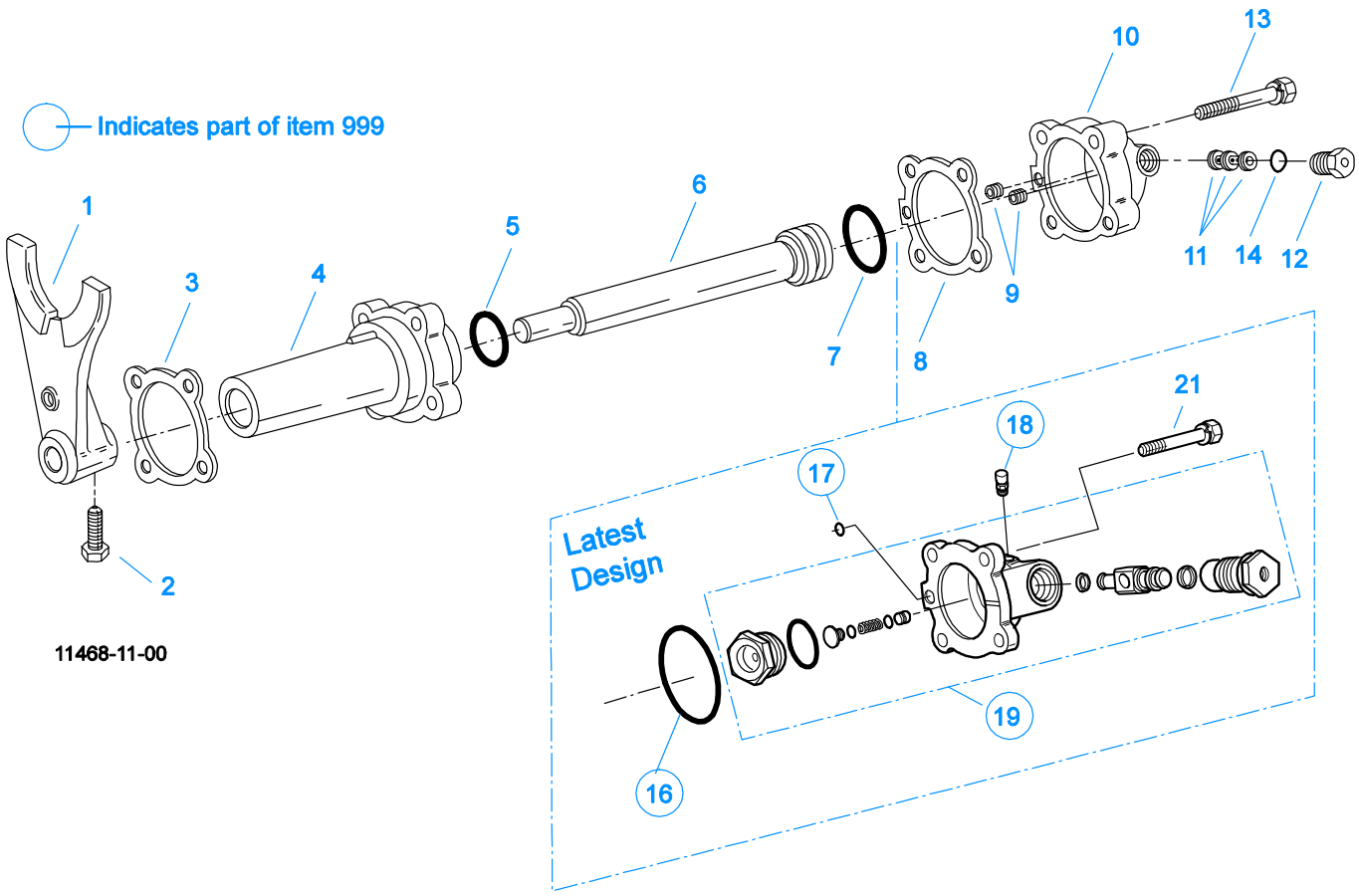


10236-2-95

SHIFT BAR HOUSING (F)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-2484	SHIFT BAR HSG ASSY (F)	4303112	1	HOUSING ONLY	
2	4302676	GASKET	14918	1		K-2295,S-2484,S-2485,S-2486
3	4304602	BREATHER	23605	1	1/4" NPT	
3	X-12-404	PIPE PLUG		1	1/4" NPT	
4	62511	ROLL PIN		1		A-6340,S-2484,S-

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
						2485,S-2486
5	22812	PIN		1		S-2485,S-2486
6	X-12-603	PIPE PLUG	X12 602	1	3/8" NPT	
7	4301999	PIN	22871	1		
8	15900	GASKET		2		S-2484,S-2485,S-2486
9	22940	REV/NEUTRAL LIGHT SWITCH	16830	2	SWITCH NORMALLY OPEN	
10	4303656	PLUG	15917	2		S-2484,S-2485,S-2486
11	20815	LIFTING EYE	17105	2		
12	X-8L-602	CAPSCREW		2	3/8"-16X1-1/2"	
12	X-8L-604	CAPSCREW		16	3/8"-16X1-1/4" OR USE 14 PCS OF X-8L-604 AND 2 PCS OF X-8L-602	
13	15899	PIN		1		S-2485,S-2486
14	15918	SPRING		2		K-2756,K-2765,S-2485,S-2486
15	X-14-800	STEEL BALL		2	1/2"	
19	22815	SNAP RING		1		S-1786,S-2485,S-2486
20	22814	WASHER		1		S-1786,S-2485,S-2486
21	22809	SPRING		1	W/SHIFT LEVER	K-2756,S-1786,S-2486
21	4302195	SPRING		1	W/REMOTE CONTROL	K-2756,S-2485
22	22811	PLUNGER		1		S-1786,S-2485,S-2486
23	4301549	SHIFT YOKE		1		S-2485,S-2486
24	3220	LOCKSCREW		3		S-2485,S-2486
25	4303114	YOKE BAR		1		S-2485,S-2486
26	4303115	GEAR SHIFT LEVER		1		
27	4302702	SHIFT BLOCK		1		S-2485,S-2486
28	5558502	PIN		1		S-2485,S-2486
29	X-8-423	CAPSCREW		2	1/4"-20X1/2"	
30	20070	OIL TROUGH		1		S-2485,S-2486
33	22803	SHIFT BLOCK		1		S-2485,S-2486
34	8968	PLUG		1		S-2485,S-2486
35	18739	SPRING		1	W/SHIFT LEVER	K-2756,S-2486
35	4302196	SPRING		1	W/REMOTE CONTROL	K-2756,S-2485
36	10019	PLUNGER		1		S-2485,S-2486
37	4301555	YOKE BAR		1	4TH/5TH	S-2485,S-2486
38	16136	SHIFT YOKE		1		S-2485,S-2486
999	S-2485	SHIFT BAR HSG ASSY (F)	S - 2442	1	COMPLETE - FOR USE W/REMOTE CONTROL	
999	S-2486	SHIFT BAR HSG ASSY (F)	4303112 ,S - 2416	1	COMPLETE - FOR USE W/SHIFT LEVER	

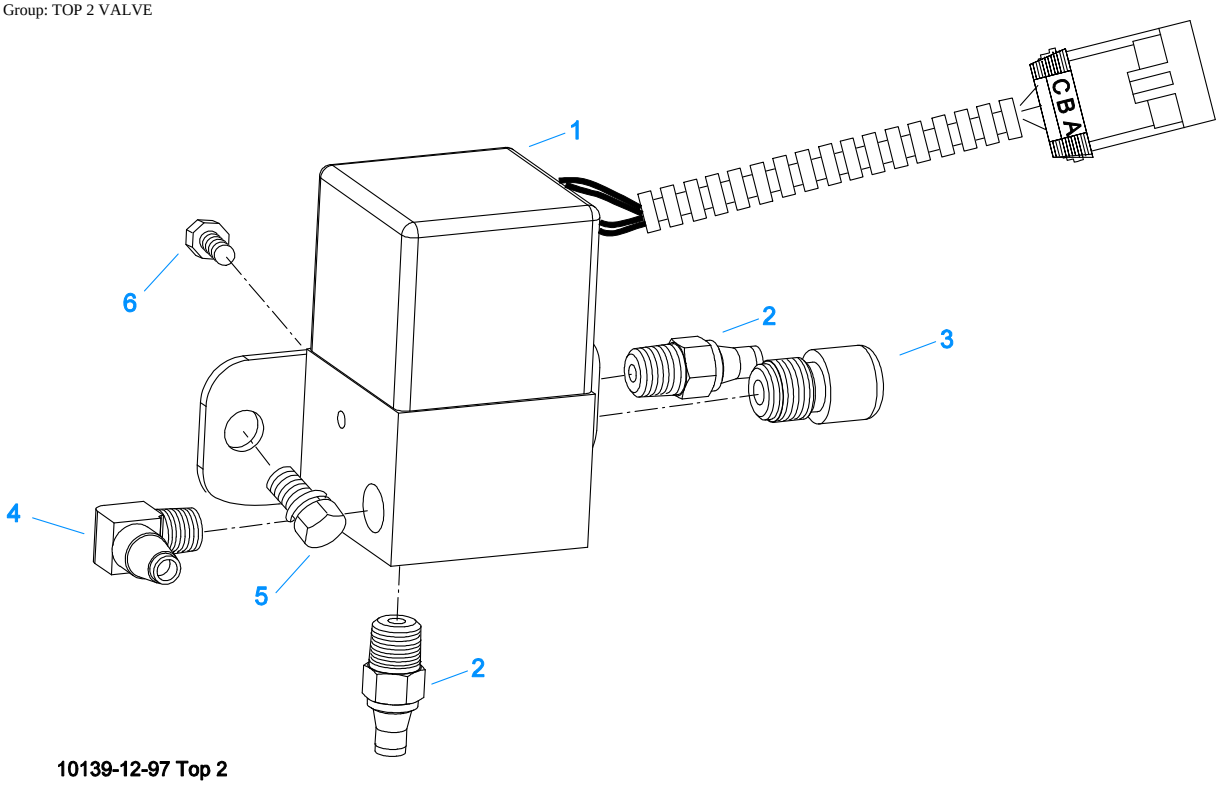


SPLITTER CYLINDER

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	21607	SHIFT YOKE		1		
2	3220	LOCKSCREW		1		S-2485,S-2486
3	14632	GASKET		1	PRIOR TO SERIAL NUMBERS 51130829, 70765646 & PRIOR TO SERIAL NUMBERS STARTING WITH AN ALPHA CHARACTER	K-1603,K-2078,K-2295,K-2298
3	4303583	GASKET		1	BEGINNING W/SERIAL NUMBERS 51130829, 70765646 & ALL SERIAL NUMBERS STARTING WITH AN ALPHA CHARACTER	K-1603,K-2078,K-2295,K-2298
4	21609	SPLITTER CYLINDER		1	PRIOR TO SERIAL NUMBERS 51130829, 70765646 & PRIOR TO SERIAL NUMBERS STARTING WITH AN ALPHA CHARACTER	
4	4303582	SPLITTER CYLINDER		1	BEGINNING W/SERIAL NUMBERS 51130829, 70765646 & ALL SERIAL NUMBERS STARTING WITH AN ALPHA CHARACTER	
5	21208	-O- RING		1		K-2078,K-2298
6	4300182	YOKE BAR		1		
7	21209	-O- RING		1		K-2078,K-2298
8	17073	GASKET		1		K-1603,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-2765,K-2773
12	4301233	REDUCER BUSHING	18004	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

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
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		

Group: TOP 2 VALVE



10139-12-97 Top 2

TOP 2 VALVE

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	K-3198	T-2 VALVE KIT	691300 ,691359	1		
2	84006	CONNECTOR ASSY		2	"PUSH-TO-CONNECT" 5/32"TUBE-1/8"NPTF	K-3121,K-3198,S-2485,S-2486
3	7935	BREATHER		1		K-3198
4	85001	ELBOW ASSY	84501	1	5/32"TUBE-1/8"NPTF	
5	X-8C-556	CAPSCREW	X 8L 500	2	5/16"-18X3/4"	
6	X-8-214	SCREW		2		