



Roadranger®

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Illustrated Parts List

RTLO-14718B
July 2011

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Pro Gear & Transmission, Inc.



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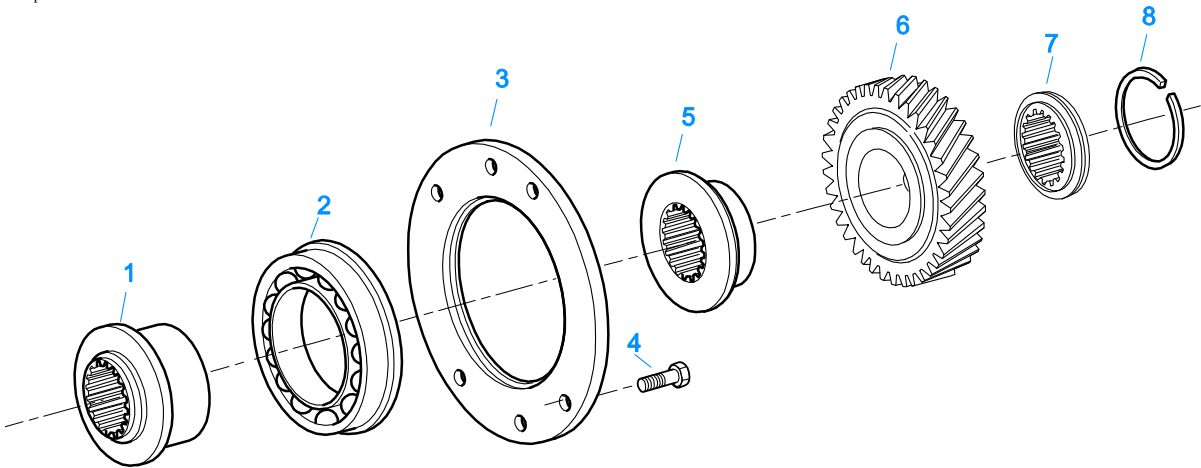
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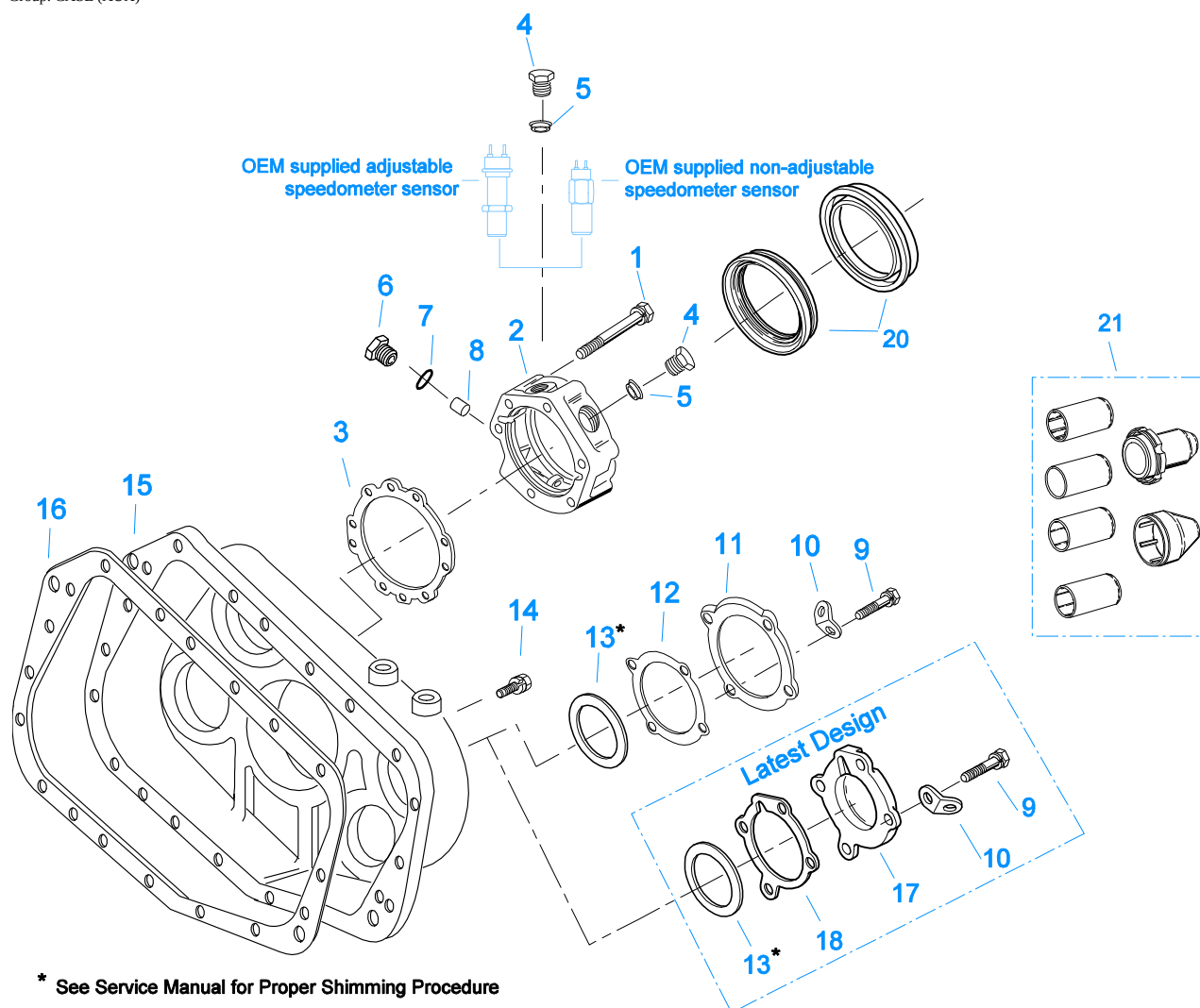




10484A-5-10

AUXILIARY DRIVE GEAR

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	4303673	SPACER	4302046	1		
2	5566508-BOX	BEARING	5566503,5566508	1		K-2288,K-2779
3	4300894	RETAINER		1		
4	X-8-645	CAPSCREW	X 8 612	6	3/8"-16X1"	
5	4300911	SPACER		1		K-2808
6	K-2808	REPL KIT-DRIVE GEAR	4300932 ,4300938	1		K-2808
7	4303185	WASHER	4300901	1		K-2288,K-2779,K-
8	4301254	SNAP RING		1		2801,K-2808



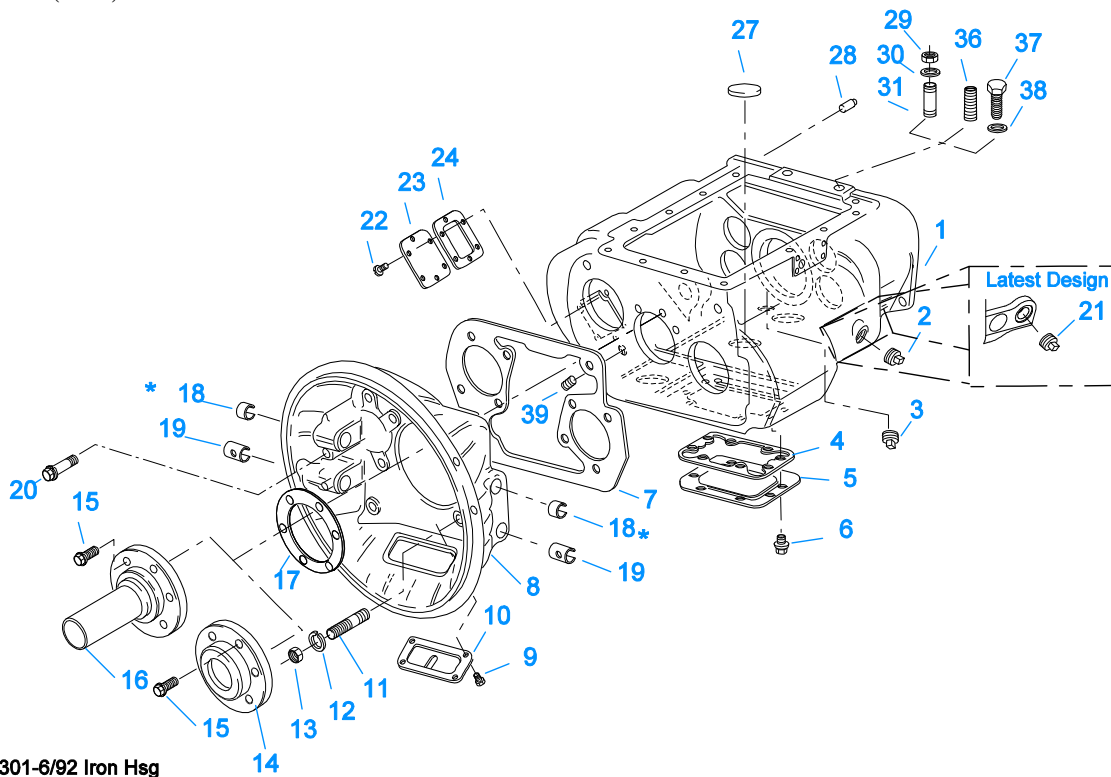
* See Service Manual for Proper Shimming Procedure

10405-3-99

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-2107	REAR BRG COVER ASSY	4300892	1		
3	21364	GASKET		1		K-1603,K-2199,K-2262,S-2107
4	20224	PLUG-MAGNETIC		2		S-2107,S-2754
5	4301954	SENSOR SEAL		2		S-2107
6	20226	PLUG-MECHANICAL		1		S-2107,S-2754
7	14142	-O- RING		1		S-2107,S-2754
8	7992	BUSHING		1		S-2107
9	X-8L-604	CAPSCREW		8	3/8"-16X1-1/4"	
10	20815	LIFTING EYE		2		S-2754
11	4300925	REAR BEARING COVER		2	PRIOR TO SERIAL NUMBER 51130451 & PRIOR TO SERIAL NUMBERS STARTING WITH AN ALPHA CHARACTER	
12	4300186	GASKET		2	PRIOR TO SERIAL NUMBER 51130451 & PRIOR TO SERIAL NUMBERS STARTING WITH AN ALPHA CHARACTER	K-1603,K-2199
13	K-2805	SHIM KIT	21452 K - 2106	1		K-2288,K-2769,K-2779,S-2754
14	X-8L-602	CAPSCREW		17	3/8"-16X1-1/2"	
14	X-8L-614	CAPSCREW		2	3/8"-16X2"	
15	4300915	REAR HOUSING		1	PRIOR TO SERIAL NUMBER	

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
15	4303585	REAR HOUSING		1	51130451 & PRIOR TO SERIAL NUMBERS STARTING WITH AN ALPHA CHARACTER BEGINNING W/SERIAL NUMBER 51130451 & ALL SERIAL NUMBERS STARTING WITH AN ALPHA CHARACTER	
16	14335	GASKET		1		K-1603,K-2199,S-2754
17	4302320	COVER	21346	2	BEGINNING W/SERIAL NUMBER 51130451 & ALL SERIAL NUMBERS STARTING WITH AN ALPHA CHARACTER	S-2754
18	4305978	GASKET	4302246	1	BEGINNING W/SERIAL NUMBER 51130451 & ALL SERIAL NUMBERS STARTING WITH AN ALPHA CHARACTER	K-1603,K-2199,S-2754
20	K-2262	OIL SEAL W/SLINGER	19109 20807 20808	1	"FOR MECHANICAL COVER"	K-2288,K-2769,K-2779
21	K-3651	OIL SEAL TOOL KIT		1		



10301-6/92 Iron Hsg

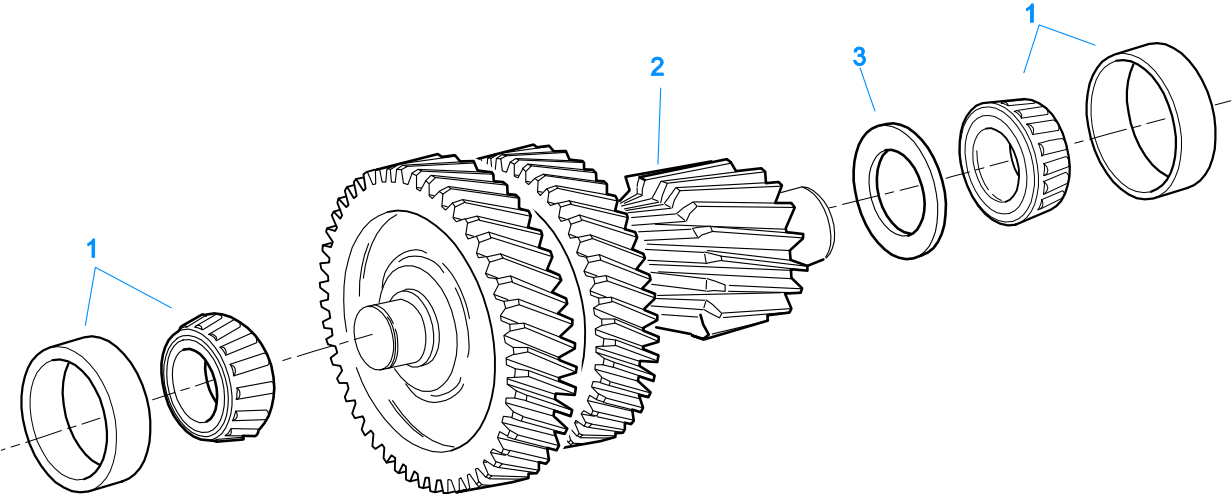
* Bushing quantity requirements: #1 Housing – Upper bore use 4 #12815 / Lower bore use 2 #8677.

#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 Clutch Housings and Push or Pull type Clutch.**CASE (FRONT)**

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-2128	CASE ASSY	4300898	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-2199
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-2199
8	A-3713	CLUTCH HOUSING ASSY	A - 3700	1	#1 PUSH-PULL IRON	
8	A-3723	CLUTCH HOUSING ASSY	A - 3721 ,A - 3722	1	#2 PUSH-PULL IRON	
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-2199
18	12815	BUSHING		4	FOR #1 HOUSING UPPER	A-3713,A-3723,K-2468
18	12815	BUSHING		2	FOR #2 HOUSING UPPER	A-3713,A-3723,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	2	.500-13 X 1.490, FOR IRON HOUSING	
20	X-8C-831	HEX HEAD SCREW/WASHER ASSY	X-8C-822	2	.500-13 X 3.460, FOR IRON HOUSING	

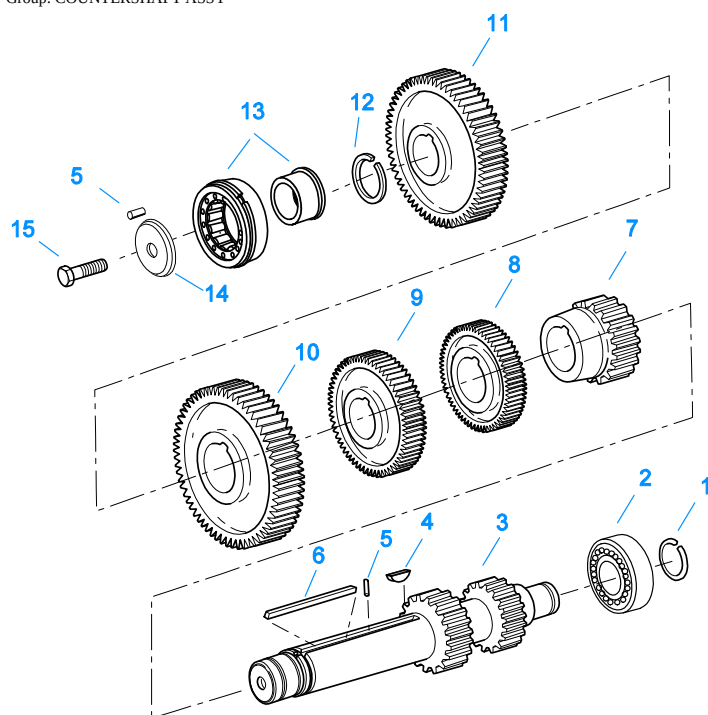
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
21	4304023	PLUG	4303747	1	1-1/16" MAGNETIC, O-RING	S-2128
22	X-8-686	CAPSCREW		6	INCLUDED	
23	14575	PTO COVER	4302254	1	3/8"-16X3/4"	
24	4305309	GASKET	1684	1		K-2199
27	14373	MAGNET		3		S-2128
28	18128	PIN		2		
29	X-1-1012	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		1	1/2"	



10444-5/93 CS Helical

COUNTERSHAFT & BRGS(AUX)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	4301851-BOX	BEARING	4301851	4		K-2288,K-2769,K-2779
2	K-3220	COUNTERSHAFT REPLT KIT	4301792 ,4301793 ,A - 6187 ,A - 6602 ,A - 6603	2		
3	4303124	SPACER	K-3220			
	2					

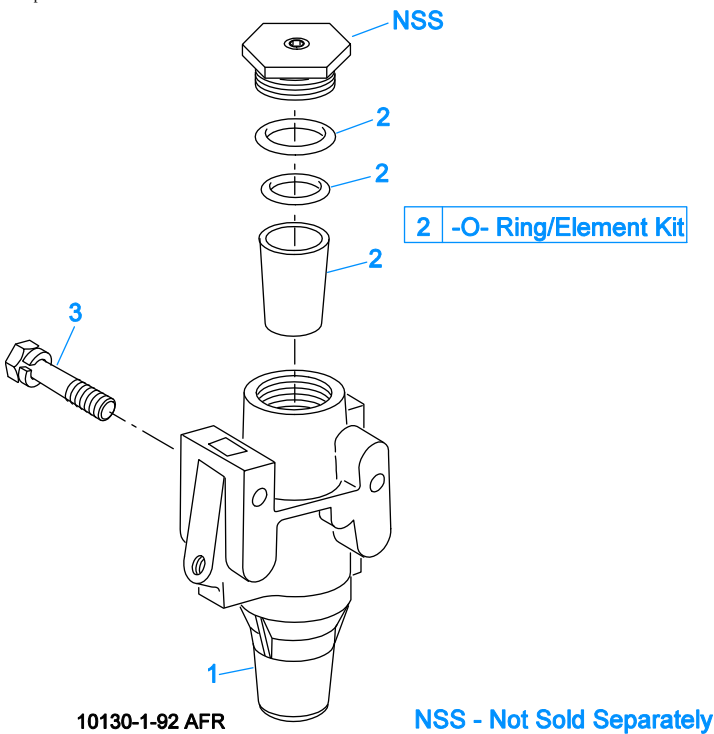


10341-1/92 CS/RT

COUNTERSHAFT ASSY

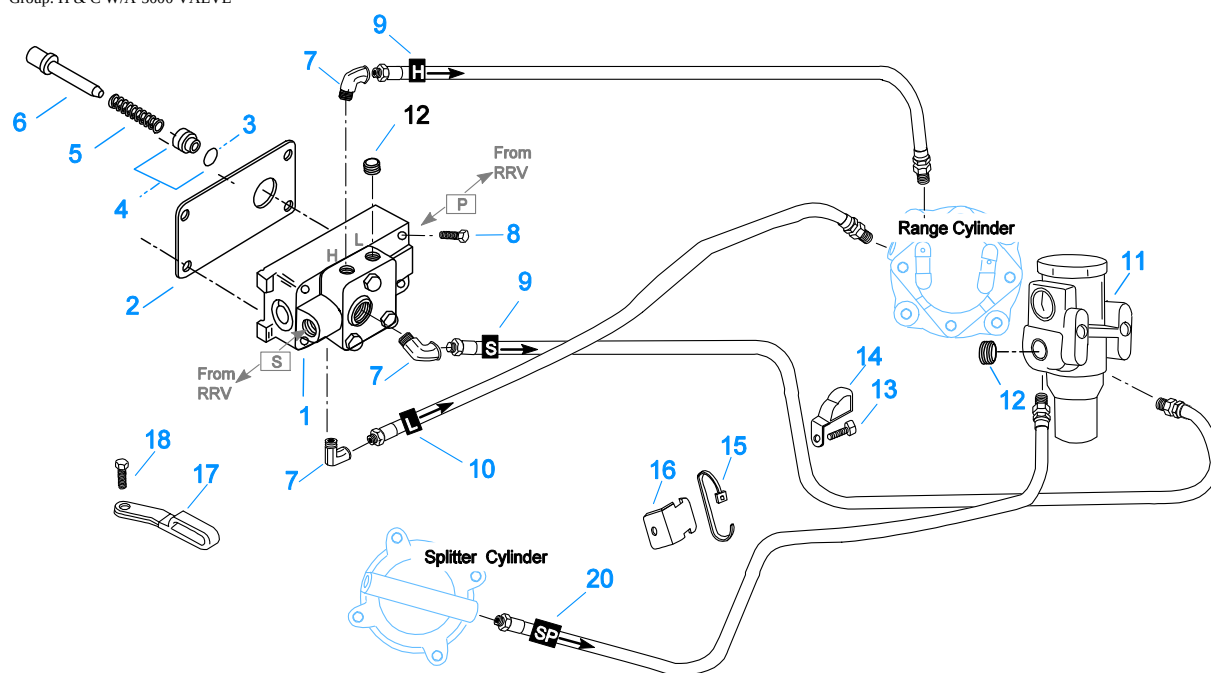
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	14317	SNAP RING		2		K-2288,K-2779,K-2801
2	4303031	BEARING	14366	2		K-2288,K-2779
3	K-2934	COUNTERSHAFT REPL KIT	19549	2		
4	X-6-E	KEY		2		
5	62511	ROLL PIN		4		K-2801
6	4304840	KEY	19673	2		
7	21025	1ST GEAR-CNTRSHFT	19629	2		
8	21264	2ND GEAR-CNTRSHFT	19623	2		
9	4300191	OD GEAR-CNTRSHFT	4305071	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		
13	4304599	BEARING	4302677 4304598	2		K-2288,K-2779
14	4304605	RETAINER	19548	2	ROLL PIN NO LONGER REQUIRED	
15	X-7-1005	CAPSCREW		2	5/8"-18X1-3/4"	

Group: FILTER REGULATOR



FILTER REGULATOR

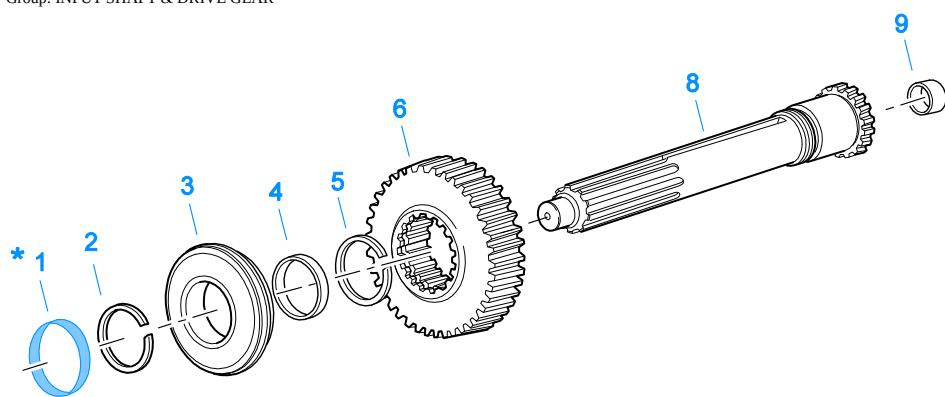
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	A-4740	FILTER/REGULATOR	19600	1		
2	K-1698	-O- RING/ELEMENT KIT		1	FOR FILTER REGULATOR	
3	X-8C-412	CAPSCREW	X 8S 412	2	1/4"-20X2-1/4"	



10110F-9/93 A-5000 HC spl cyl

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-2199
3	19462	-O- RING	14033	1		K-1969
4	K-1969	SLEEVE KIT	14362 ,19460 ,21446	1	FOR SLAVE VALVES	
5	21268	SPRING		1		
6	20490	PIN		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	55518	HOSE ASSY		1	32"	
11	A-4740	FILTER/REGULATOR	19600	1		
12	X-12-208	PIPE PLUG		2	1/8" NPT	
13	X-8L-604	CAPSCREW		1	3/8"-16X1-1/4"	
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"	
20	55527	HOSE ASSY		1	15"	



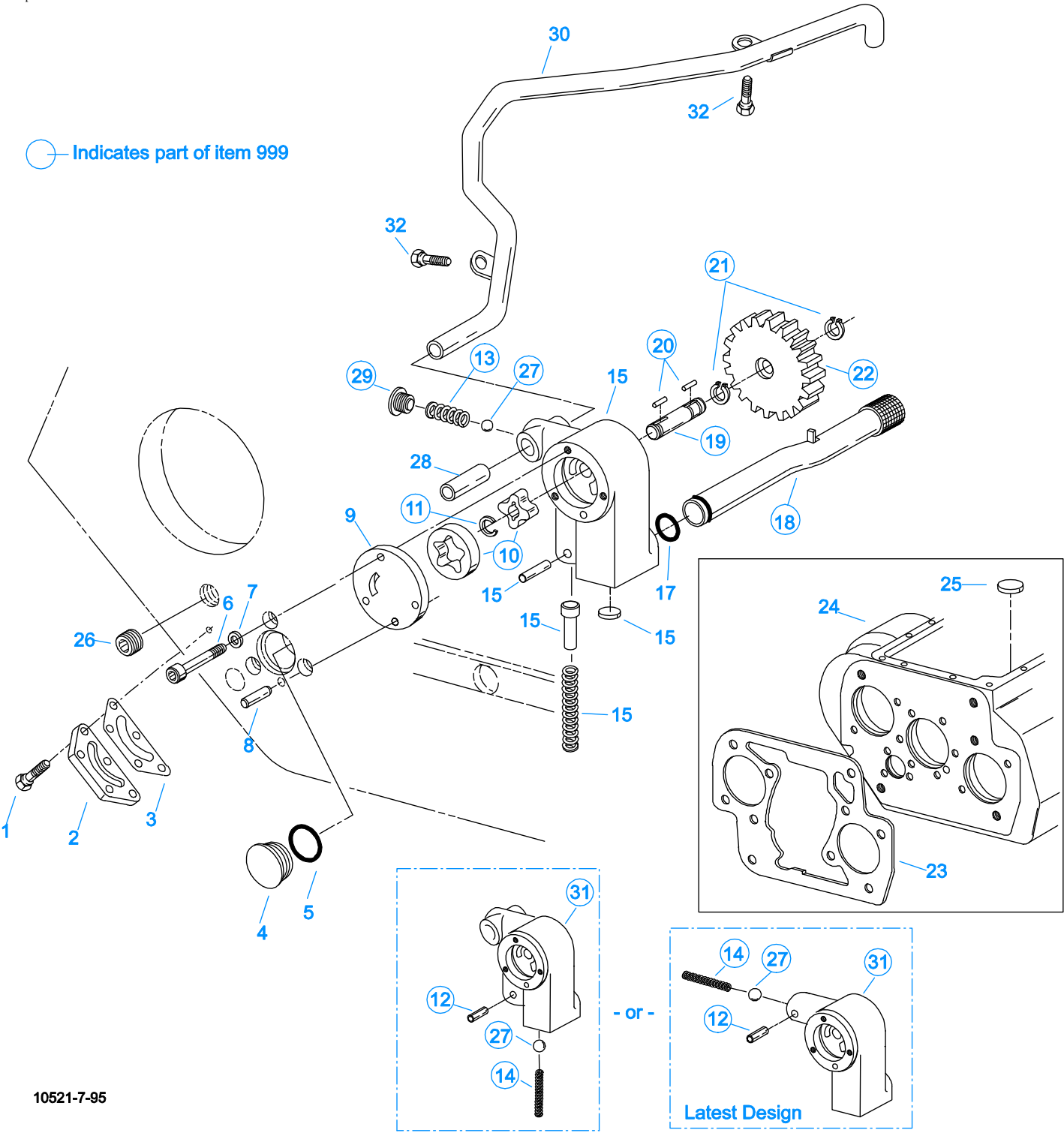
* For Shipping Only -- Do Not Replace

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10370-1/92 IS

INPUT SHAFT & DRIVE GEAR

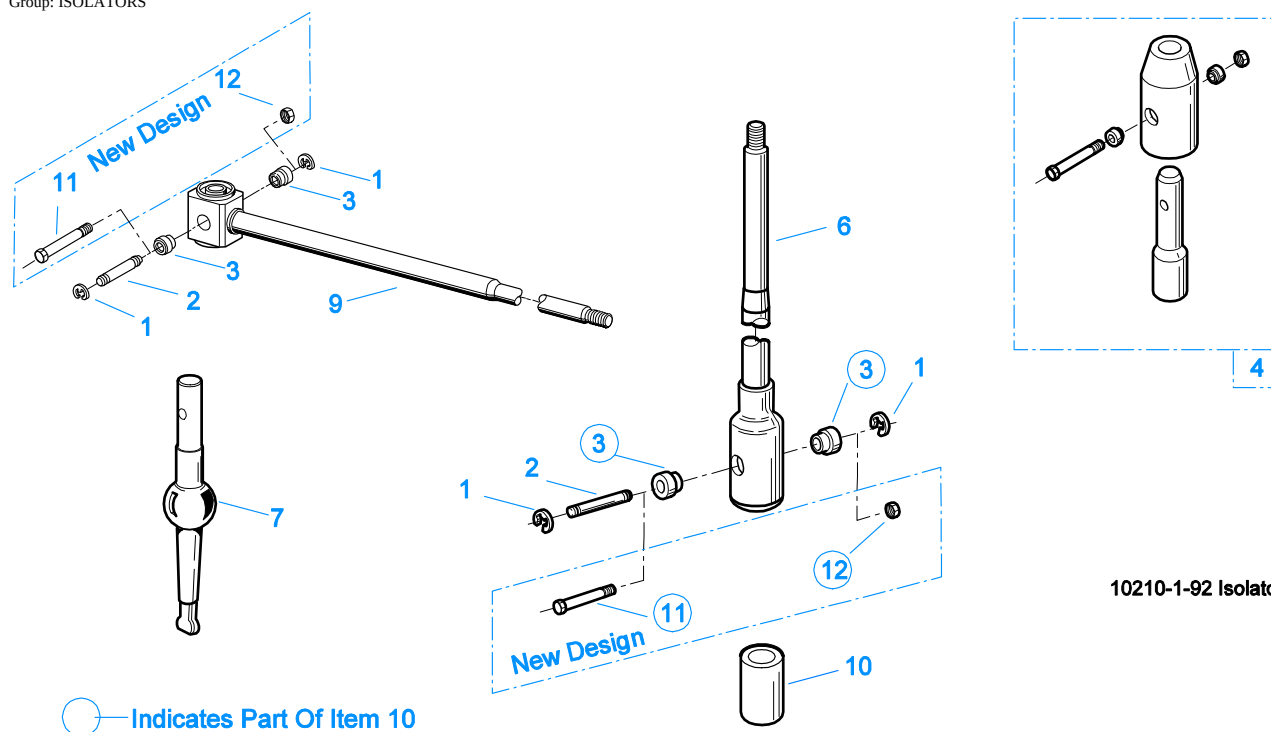
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	23559	SHIPPING SEAL		1	NOT SOLD FOR SERVICE	
2	16980	SNAP RING		1		K-2288,K-2468,K-2779,K-4125
3	81504	BEARING		1		K-2288,K-2468,K-2779,K-4125
4	16463	SPACER		1		
5	14750	SNAP RING		1		K-2288,K-2468,K-2779,K-2801,K-4125
6	4305910	MAIN DRIVE GEAR	4300238, 4305068	1		
8	S-1659	INPUT SHAFT	20535 23566 4302661	1	2" PULL - USE W/FBC 20550	K-2468,K-2779,K-4125
8	S-1660	INPUT SHAFT	20536 ,23567	1	2" PUSH - USE W/FBC 20549	
9	16566	BUSHING		1		K-2288,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	4300751	1		
3	20514	GASKET		1		K-2402
4	20823	PLUG		1		
5	14765	-O- RING		1		K-2802,K-2804,K-2809
6	X-8-448	SCREW	X 8 445	3	1/4"-20X1-1/4"	
7	20824	WASHER		3		K-3367

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
8	20825	DOWEL PIN		1		
9	4303107	RETAINER	20510	1		S-2128
10	20507	ELEMENT		1		
11	20518	CRESCENT RING		1		
12	62514	ROLL PIN		1		
13	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
14	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
15	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
17	20225	-O- RING		1		
18	4305713	SUCTION TUBE	4304628	1	O-RING INCLUDED ON SUCTION TUBE	K-3367
19	20508	DRIVE SHAFT		1		
20	20509	KEY		2		
21	14853	SNAP RING		2		
22	20511	DRIVE GEAR		1		
23	4306584	CLUTCH HOUSING GASKET	4304815,4305668	1		K-2199
24	S-2128	CASE ASSY	4300898	1		
25	14373	MAGNET		3		S-2128
26	X-12-603	PIPE PLUG	X12 602	1	3/8" NPT	
27	X-14-700	STEEL BALL		2	7/16"	
28	4301258	TUBE		1		
29	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
30	4305715	SPLITTER LUBE TUBE	A - 7197	1		
31	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
32	X-8-686	CAPSCREW		2	3/8"-16X3/4"	
999	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		



10210-1-92 Isolator

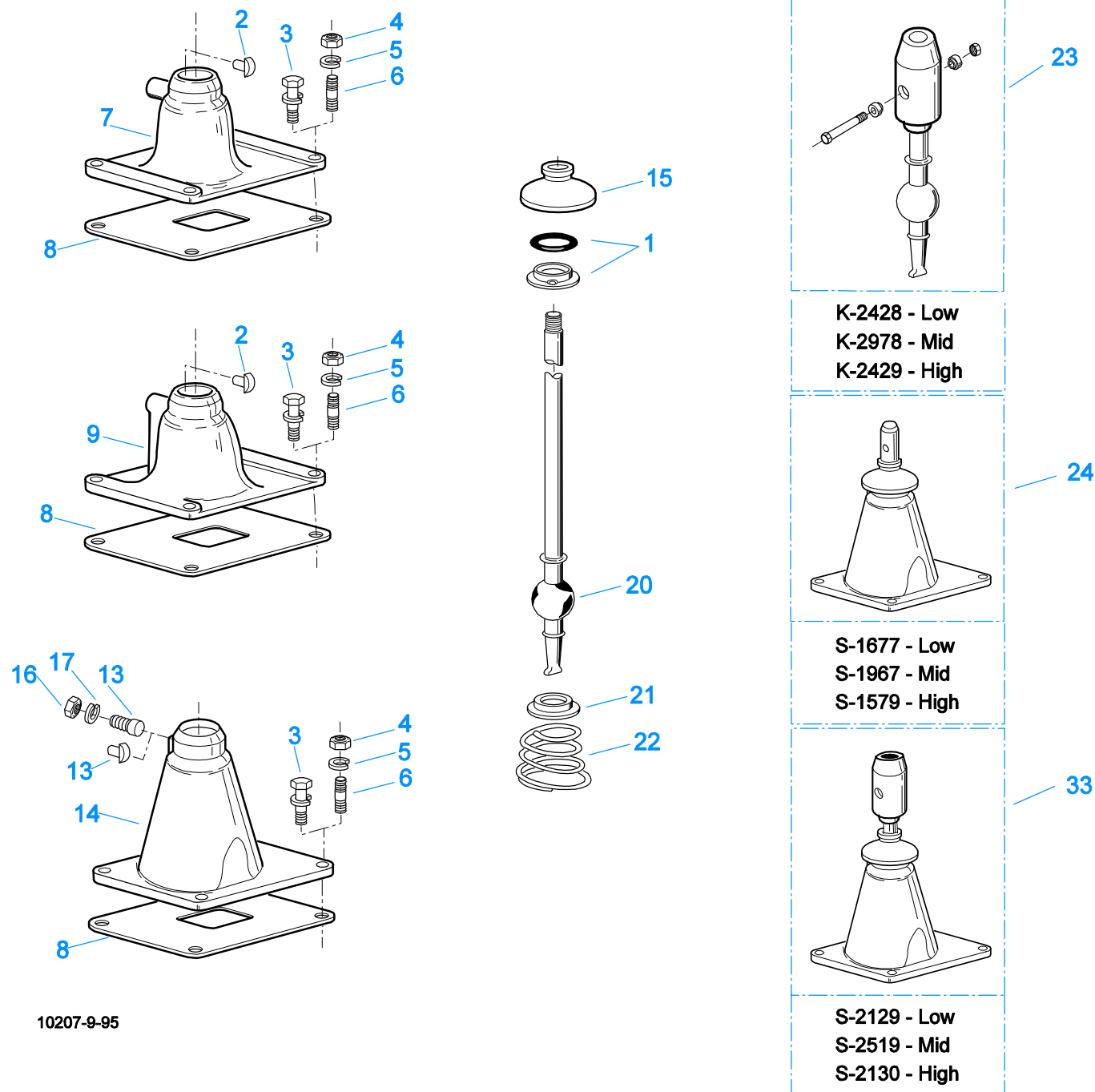
ISOLATORS

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-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-1603		GASKET KIT		1	FOR AUXILIARY SECTION	K-2769
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-2072		MASTER VALVE REPAIR KIT		1	FOR A-5013 VALVE	
K-2199		GASKET KIT		1		K-2288,K-2779
K-2262		OIL SEAL W/SLINGER	19109 20807 20808	1	"FOR MECHANICAL COVER"	K-2288,K-2769,K-2779
K-2288		BASIC REBUILD KIT		1		
K-2394		AIR SYSTEMS TOOL KIT		1		
K-2402		COVER & SCREW KIT	4300751	1		
K-2428		LEVER REPLACEMENT KIT		1	LOW TOWER	
K-2429		LEVER REPLACEMENT KIT		1	HIGH TOWER	
K-2439		KEY & WASHER KIT		1	CONTAINS 3-SIDED KEY	
K-2468		CLUTCH INSTALLATION KIT		1	FOR USE WITH S-1659 INPUT SHAFT ASSY AND 81504 INPUT SHAFT BEARING	
K-2769		AUXILIARY REBUILD KIT		1	FOR AUXILIARY SECTION	
K-2779		BASIC OVERHAUL KIT		1		
K-2801		SMALL PARTS KIT		1		
K-2802		-O- RING KIT-RANGE		1		
K-2803		O-RING KIT - SPLITTER		1		
K-2804		-O- RING KIT-COMplete		1		K-2288,K-2769,K-2779
K-2805		SHIM KIT	21452 K - 2106	1		K-2288,K-2769,K-2779,S-2754
K-2808		REPL KIT-DRIVE GEAR	4300932 ,4300938	1		
K-2809		RANGE CYLINDER KIT		1		
K-2934		COUNTERSHAFT REPL KIT	19549	1		
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-3122		SPLITTER GEAR UPDATE KIT	4301836	1		
K-3191		MASTER VALVE REPAIR KIT		1	FOR A-6918 VALVE	
K-3209		IDLER SHAFT REPL KIT	16405 ,4302981 ,4305513	1		
K-3220		COUNTERSHAFT REPLT KIT	4301792 ,4301793 ,A - 6187 ,A - 6602 ,A - 6603	1		
K-3331		SPLITTER VLV REPL KIT	4300927 ,4304031 ,4304032 ,A - 6862	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-3441		OIL FILTER/ADAPTER KIT		1		
K-3467		PIN REPLACEMENT KIT	21245	1		
K-3492		SYNCHRONIZER KIT	K - 2446	1		
K-3497		SYNCHRONIZER REPLACEMENT KIT	K - 3200	1	SLIDING CLUTCH INCLUDED IN KIT	
K-3651		OIL SEAL TOOL KIT		1		
K-4125		CLUTCH INSTALLATION KIT (RT), HYDRAULIC		1	STANDARD RT INPUT SHAFT AND YOKE FOR HYDRAULIC CLUTCH	

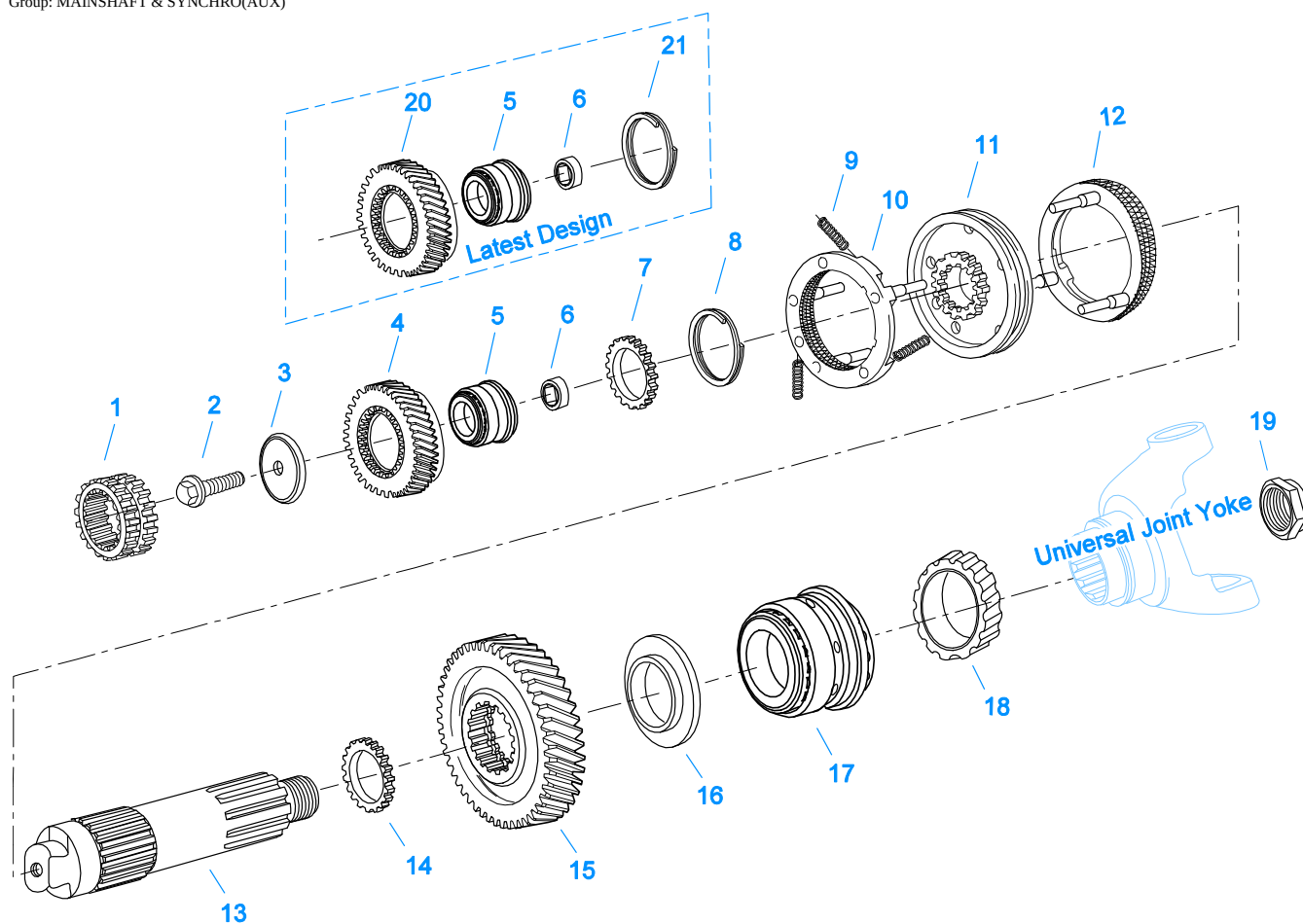
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
		RELEASE			RELEASE	
	S-1219	YOKE ASSY LOW-REV		1		
	S-1404	OIL FILTER	17238	1		
	S-1445	SHIFT BAR HSG (X)	18920 ,20135 ,20214 ,20215 ,20487 21135 ,4302452	1	HOUSING ONLY (X)	
	S-1446	SHIFT BAR HSG (XF)	21136	1	HOUSING ONLY (XF)	
	S-1516	CAP ASSY	20851 ,20853	1		
	S-1527	SHIFT BAR HSG ASSY (X)	20215 ,21135 ,4302452	1	COMPLETE (X)	
	S-1528	SHIFT BAR HSG ASSY (XF)	21136	1	COMPLETE (XF)	
	S-1659	INPUT SHAFT	20535 23566 4302661	1	2" PULL - USE W/FBC 20550	K-2468,K-2779,K-4125
	S-1660	INPUT SHAFT	23567	1	2" PUSH - USE W/FBC 20549	
	S-1794	ISOLATOR ASSY		1		
	S-2107	REAR BRG COVER ASSY	4300892	1		
	S-2128	CASE ASSY	4300898	1		
	S-2129	SHIFT LEVER HSG ASSY		1	LOW TOWER	
	S-2130	SHIFT LEVER HSG ASSY	S - 2053	1	HIGH TOWER	
	S-2519	SHIFT LEVER HSG ASSY	S - 2919	1	MID TOWER	
	S-2555	ROADRANGER VALVE ASSY		1	RTLO - W/SHIFT DIAGRAM MEDALLION	
	S-2754	RANGE SECTION ASSY		1		
	S-2754R	REMAN RANGE SECTION ASSY		1		
	S-3108	MAINSHAFT ASSY	4303402,4303403,S-2562,S-3101	1		



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,S-1446,S-1527,S-1528
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-2199,K-2428,K-2429,K-

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
						2973,K-2977,K-2978,S-1527,S-1528,S-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	

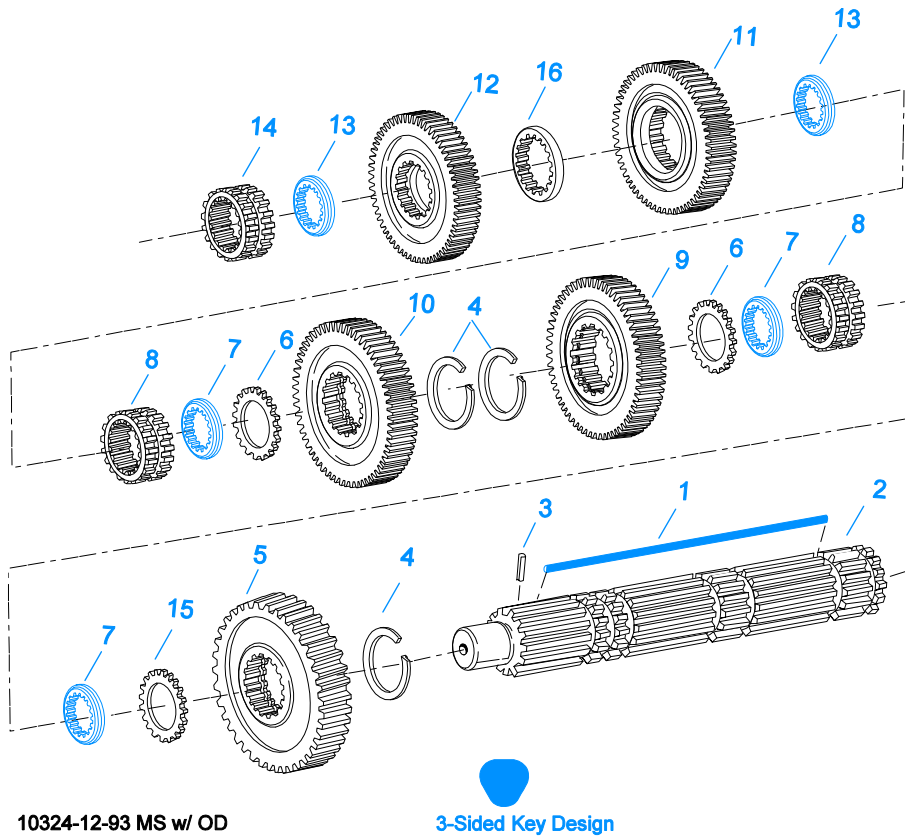


10427-9/93 Aux MS

MAINSHAFT & SYNCHRO(AUX)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	4300907	SLIDING CLUTCH		1		
2	X-7-1007	SCREW		1	5/8"-18X1-3/4"	
3	4301843	RETAINER		1		
4	K-3122	SPLITTER GEAR UPDATE KIT	4301836	1		
5	4300902-BOX	TAPERED ROLLER BRG	4300902	1		K-2288,K-2779
6	4301844	BEARING SLEEVE		1		
7	4301846	NO LONGER AVAILABLE		1		
8	4301845	NO LONGER AVAILABLE		1		
9	14897	SPRING		3		K-2288,K-2769,K-2779,K-2801,K-3492,K-3497
10	A-7331	SYNCHRONIZER ASSY	4304396 4304397 A - 5917	1	HI RANGE	
11	4301840	SLIDING CLUTCH	4303386	1		K-3497
12	A-7254	SYNCHRONIZER ASSEMBLY	A - 4937 A - 5876	1	LO RANGE	K-3492,K-3497
13	4300904	AUXILIARY MAINSHAFT		1		
14	4301842	WASHER		1		K-2801
15	4301795	REDUCTION GEAR	4301794	1		
16	4300912	SPACER		1		K-2801
17	21356-BOX	BEARING	21356	1		K-2288,K-2769,K-2779
18	20191	ROTOR		1		
19	22254	NUT		1		S-2754
20	4303422	SPLITTER GEAR	4303421 4303423	1		K-3122

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
21	4303424	SNAP RING		1		K-2288,K-2779,K-3122



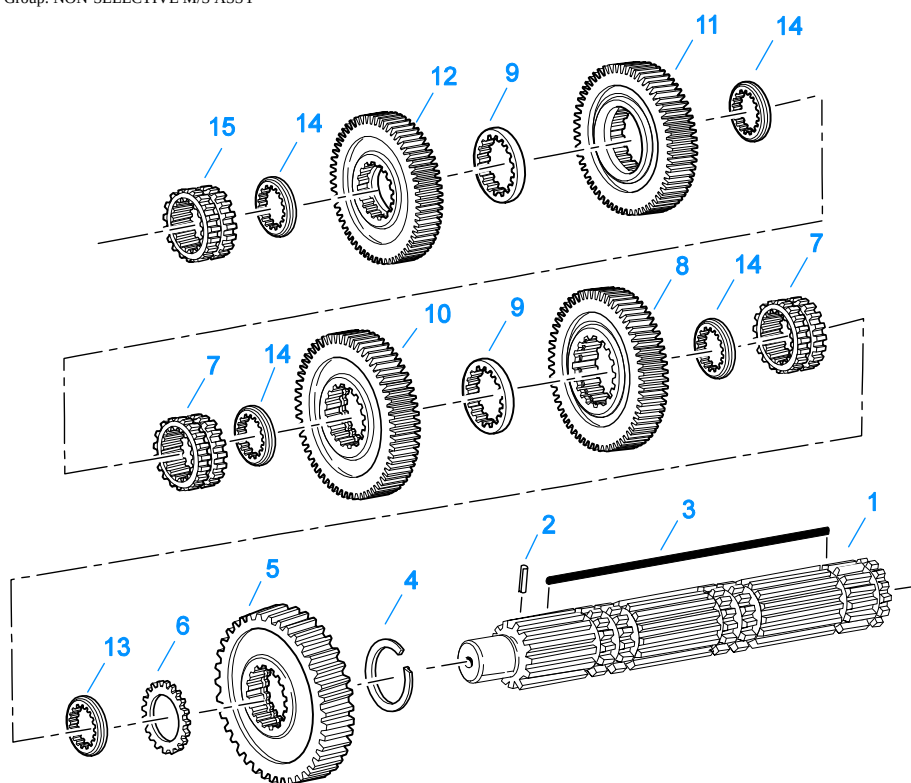
MAINSHAFT ASSY

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	4304615	3-SIDED KEY	4300120	1		K-2439,K-2801
2	S-3108	MAINSHAFT ASSY	4303402, 4303403, S-2562,S-3101	1		
3	62504	ROLL PIN		1		S-3108
4	14750	SNAP RING		3		K-2288,K-2468,K-2779,K-2801,K-4125
5	16756	REVERSE GEAR-MAINSHAFT	22408	1		
6	14749	SPACER		2		K-2801
7	4300382	WASHER .249-WHITE		3	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 3 WASHERS. USE WITH 3-SIDED KEY	K-2439,K-2801
7	4300383	WASHER .254-GREEN		3	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 3 WASHERS. USE WITH 3-SIDED KEY	K-2439,K-2801
7	4300384	WASHER .259-ORANGE		3	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 3 WASHERS. USE WITH 3-SIDED KEY	K-2439,K-2801
7	4300385	WASHER .264-PURPLE		3	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 3 WASHERS. USE WITH 3-SIDED KEY	
7	4300386	WASHER .269-YELLOW		3	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 3 WASHERS. USE WITH 3-SIDED KEY	
7	4300387	WASHER .274-BLACK		3	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 3 WASHERS. USE WITH 3-SIDED KEY	
7	4300830	WASHER .244-BLUE		3	OPTIONAL 4300382-4300387 OR 4300830 USE ANY 3 WASHERS. USE WITH 3-SIDED KEY	K-2439,K-2801
8	16118	SLIDING CLUTCH		2		
9	16754	LO GEAR-MAINSHAFT		1		
10	21024	1ST GEAR-MAINSHAFT	19628	1		
11	4302394	2ND GEAR-MAINSHAFT	4302395	1		

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
12	4302393	OD GEAR-MAINSHAFT	4305070	1		
13	4302398	WASHER		2		
14	4304317	SLIDING CLUTCH	22026	1		K-2779
15	4302047	SPACER		1		K-2801
16	4303603	WASHER	4302397	1		K-2801

MISCELLANEOUS

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
21628		SHIFT DIAGRAM LABEL	4300591	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-2779
71206		SILICONE LUBE		1	4 CC (SINGLE APPLICATION SIZE)	K-2428,K-2429,K-2802,K-2803,K-2804,K-2809,K-2978,K-3331

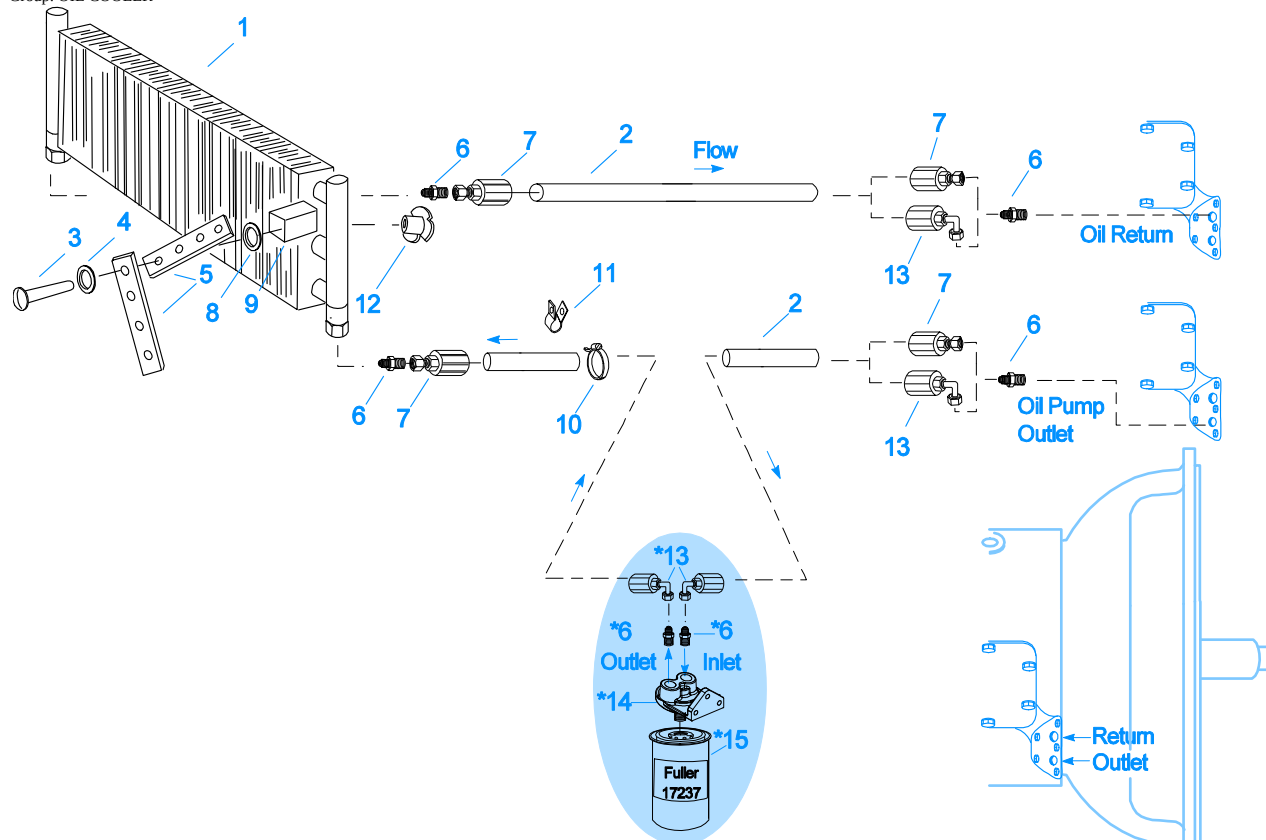


10337B-10-96

NON-SELECTIVE M/S ASSY

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-3108	MAINSHAFT ASSY	4303402, 4303403, S-2562, S-3101	1		
2	62504	ROLL PIN		1		S-3108
3	4304615	3-SIDED KEY	4300120	1		K-2439, K-2801
4	14750	SNAP RING		1		K-2288, K-2468, K-2779, K-2801, K-4125
5	16756	REVERSE GEAR-MAINSHAFT	22408	1		
6	4302047	SPACER		1		K-2801
7	16118	SLIDING CLUTCH		2		
8	4303409	LO GEAR-MAINSHAFT	4303407	1		
9	4303603	WASHER	4302397	2		K-2801
10	4303420	1ST GEAR-MAINSHAFT	4303408	1		
11	4302394	2ND GEAR-MAINSHAFT	4302395	1		
12	4302393	OD GEAR-MAINSHAFT	4305070	1		
13	4300382	WASHER .249-WHITE		1		K-2439, K-2801
14	4302398	WASHER		4		
15	4304317	SLIDING CLUTCH	22026	1		K-2779

Group: OIL COOLER



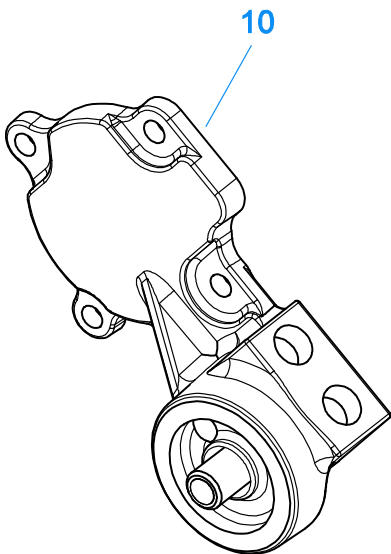
10525-4/92 Cooler

*Adding Oil Filter and parts as shown is optional.

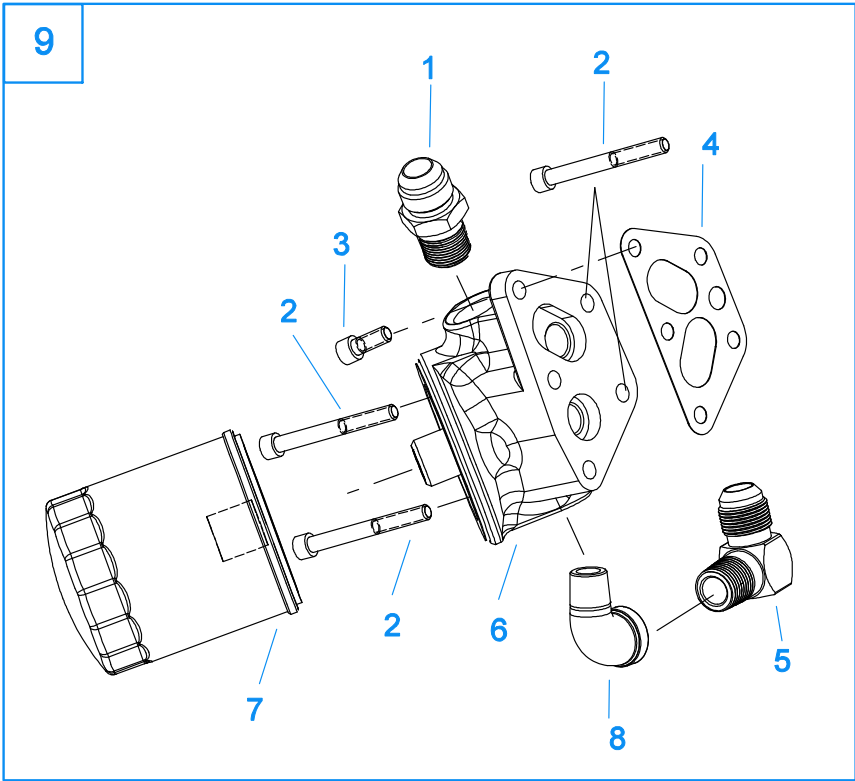
Return / Outlet Location

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,K-3441,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

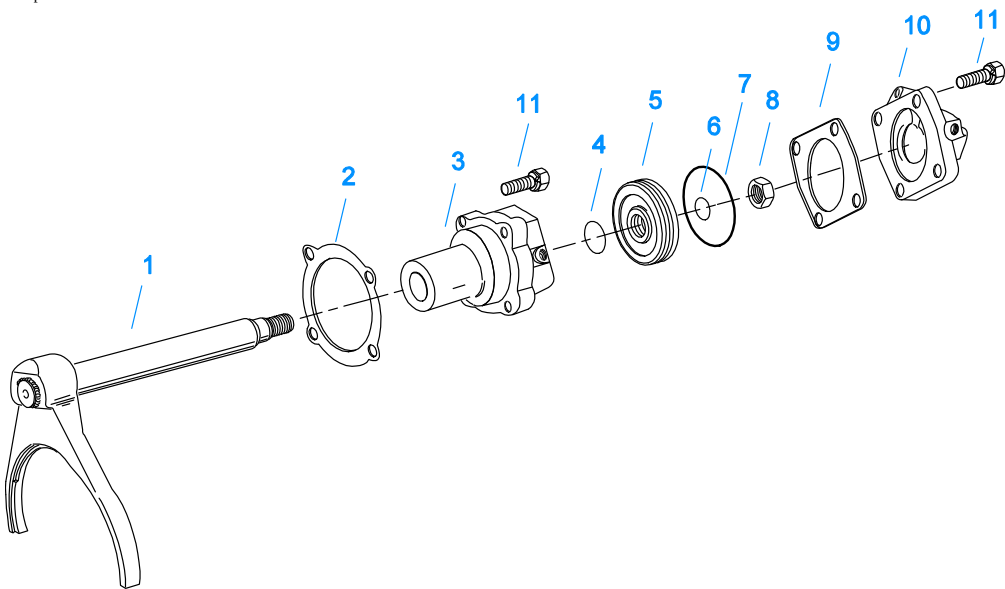


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OIL FILTER

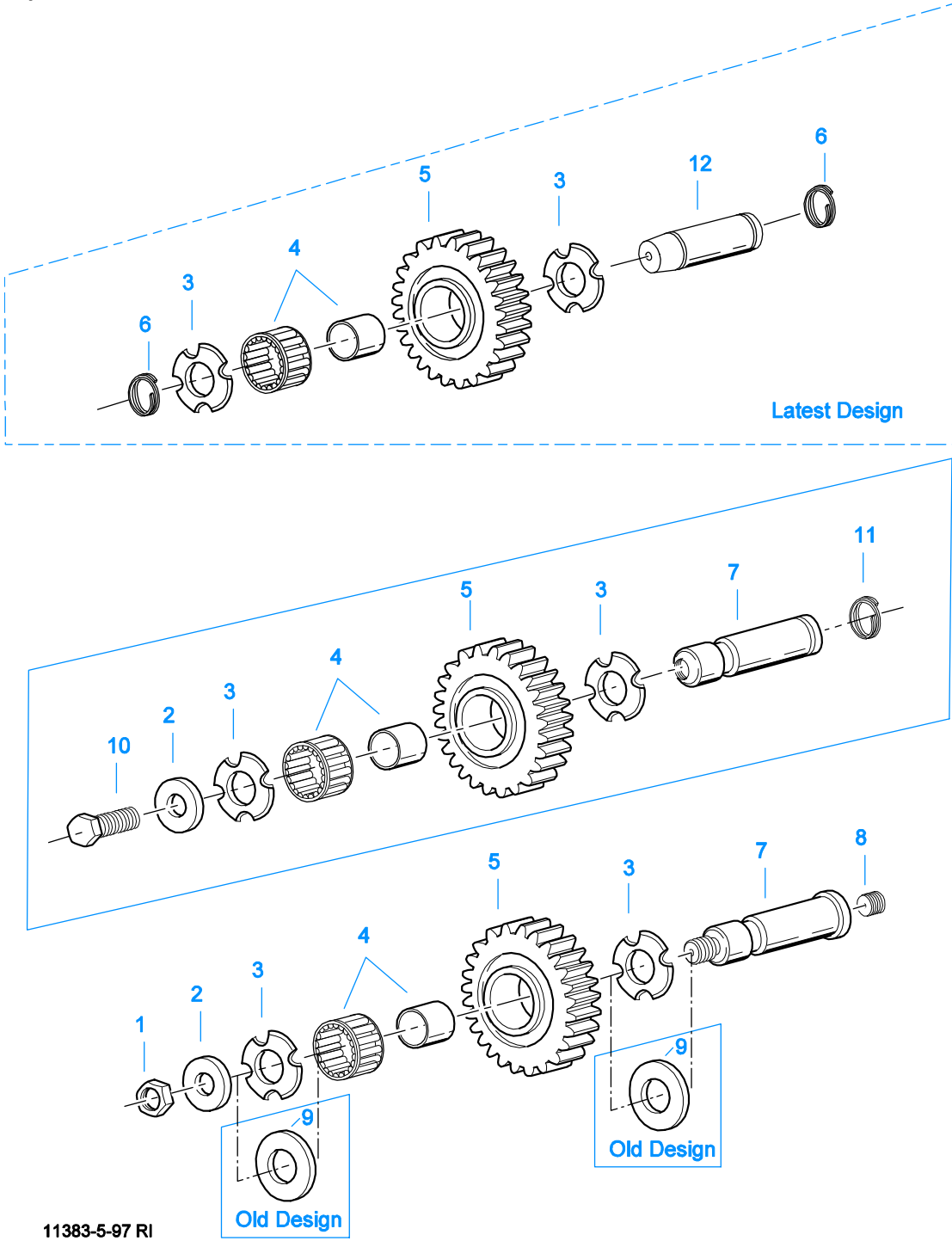
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	19419	CONNECTOR		1		K-1956,K-3441,S-1404
2	X-8-453	SCREW		4		K-3441
3	X-8-452	SCREW		1		K-3441
4	4304820	GASKET		1		K-3441
5	4301123	ELBOW		1		K-3441
6	K-3441	OIL FILTER/ADAPTER KIT	A - 7174	1		
7	4304827	OIL FILTER ELEMENT		1		K-3441
8	17007	ELBOW		1		K-3441
9	K-3441	OIL FILTER/ADAPTER KIT		1		
10	A-7300	AUX COUNTERSHAFT COVER ASSY		1		



10461A-6/93 Rng Cyl

RANGE CYLINDER

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	A-6224	WELDED YOKE ASSY		1		
2	14347	GASKET		1		K-1603,K-2199,K-2802,K-2804,K-2809
3	4301847	CYLINDER		1		K-2809
4	14765	-O- RING		1		K-2802,K-2804,K-2809
5	14341	PISTON	23353	1		K-2809
6	14345	-O- RING		1		K-2802,K-2804,K-2809
7	14344	-O- RING		1		K-2802,K-2804,K-2809
8	X-1-1010	NUT		1	5/8"-18	
9	14349	GASKET		1		K-1603,K-2199,K-2802,K-2804,K-2809
10	19690	CYLINDER COVER		1		
11	X-8L-604	CAPSCREW		8	3/8"-16X1-1/4"	

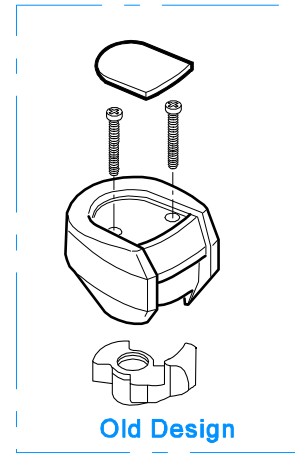
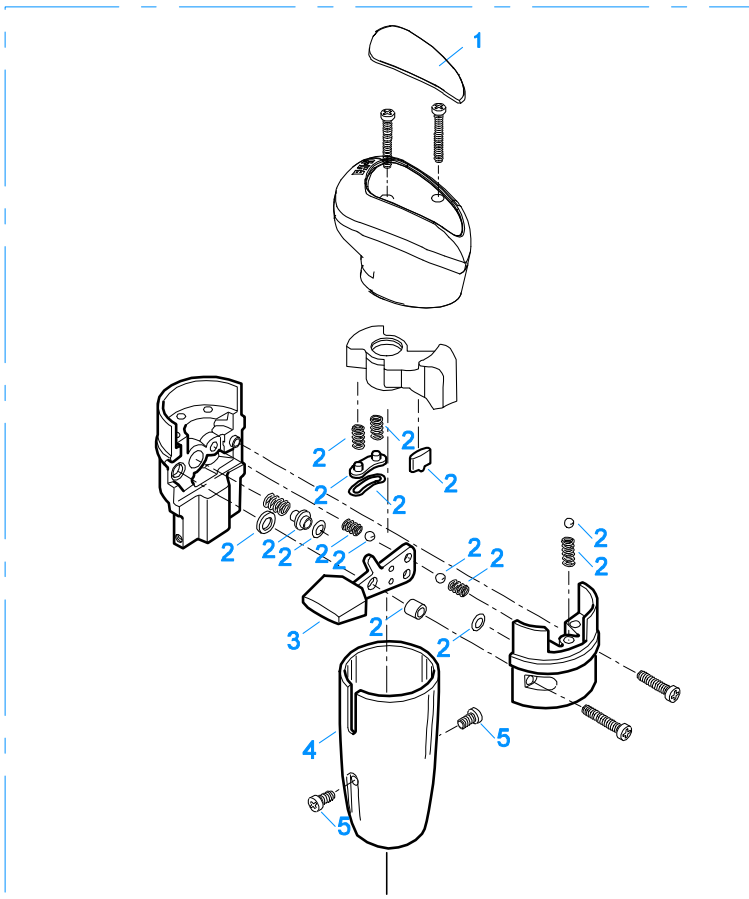


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REVERSE IDLER

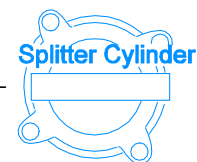
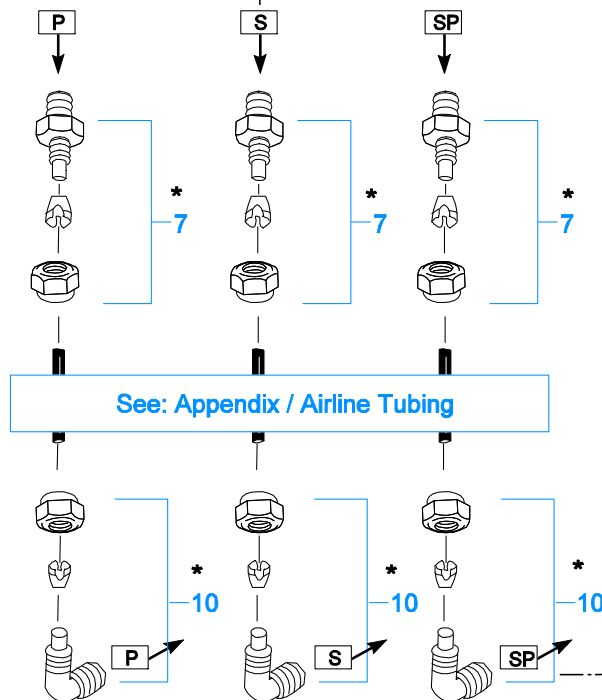
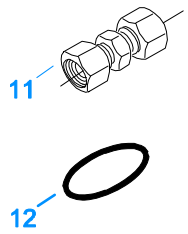
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	X-1-1008	NUT		2	5/8"-18	
2	14283	WASHER		2		
3	4302982	WASHER	14282	4		K-3209,S-2128
4	14287	BEARING	4305020	2		K-2288,K-2779
5	16757	REVERSE IDLER GEAR	22409	2		
6	4303336	RETAINING RING		4		K-3209
7	K-3209	IDLER SHAFT 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



999

Old Design

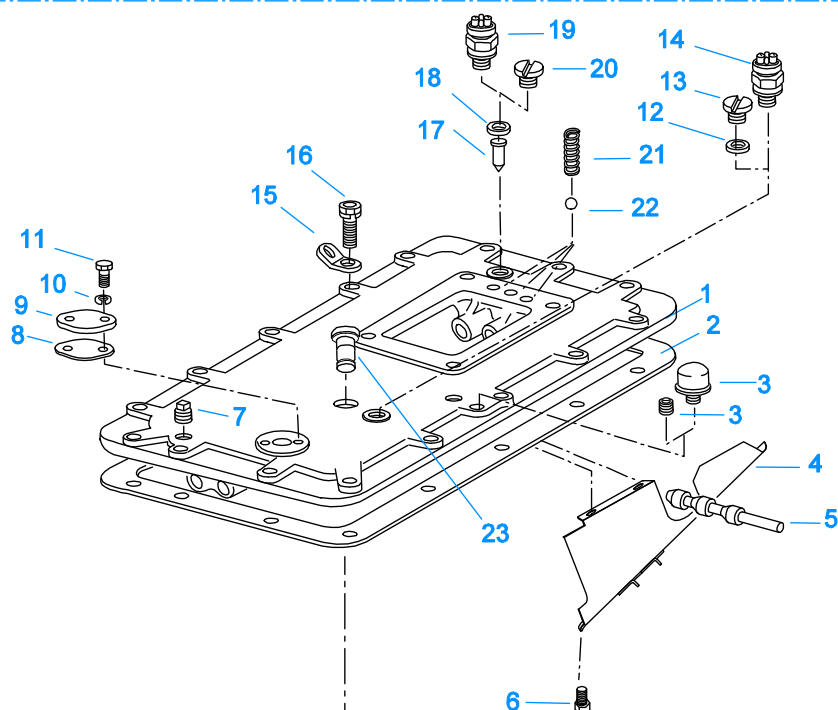


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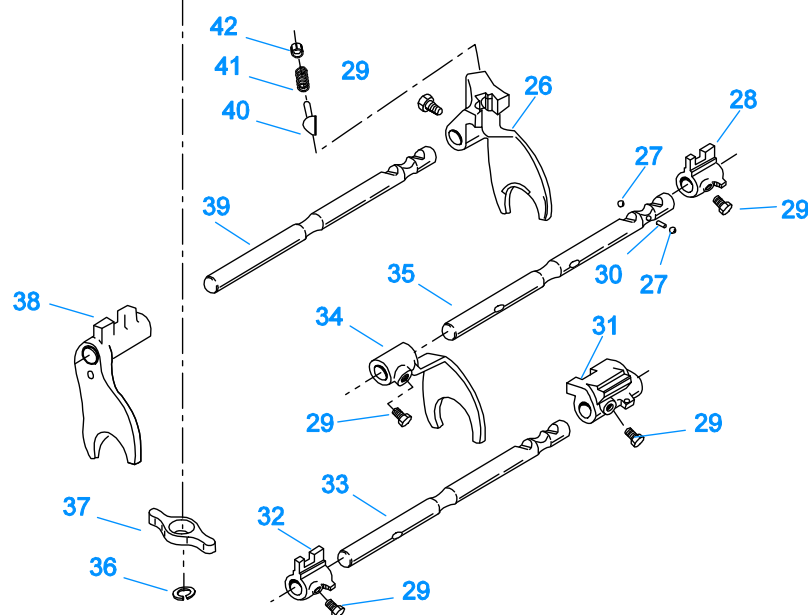
*For Connector and Elbow Assy component information see Appendix.

ROADRANGER VALVES

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-6918
2	K-2072	MASTER VALVE REPAIR KIT		1	FOR A-5013 VALVE	
2	K-3191	MASTER VALVE REPAIR KIT		1	FOR A-6918 VALVE	
3	20495	LEVER		1		A-6918
4	20112	COVER		1		A-6918
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	3	1/8" TUBE-1/16" NPTF	
7	84003	CONNECTOR ASSY	82503	3	5/32" TUBE-1/16" NPTF	
7	84005	CONNECTOR ASSY		3	"PUSH-TO-CONNECT" 5/32" TUBE-1/16" NPTF	K-2779
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-2769,K-2779,K-3331
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		
999	A-6918	ROADRANGER VALVE ASSY	A - 5013	1	STANDARD-W/LOGO	



999



10244-11-96 X-Bar

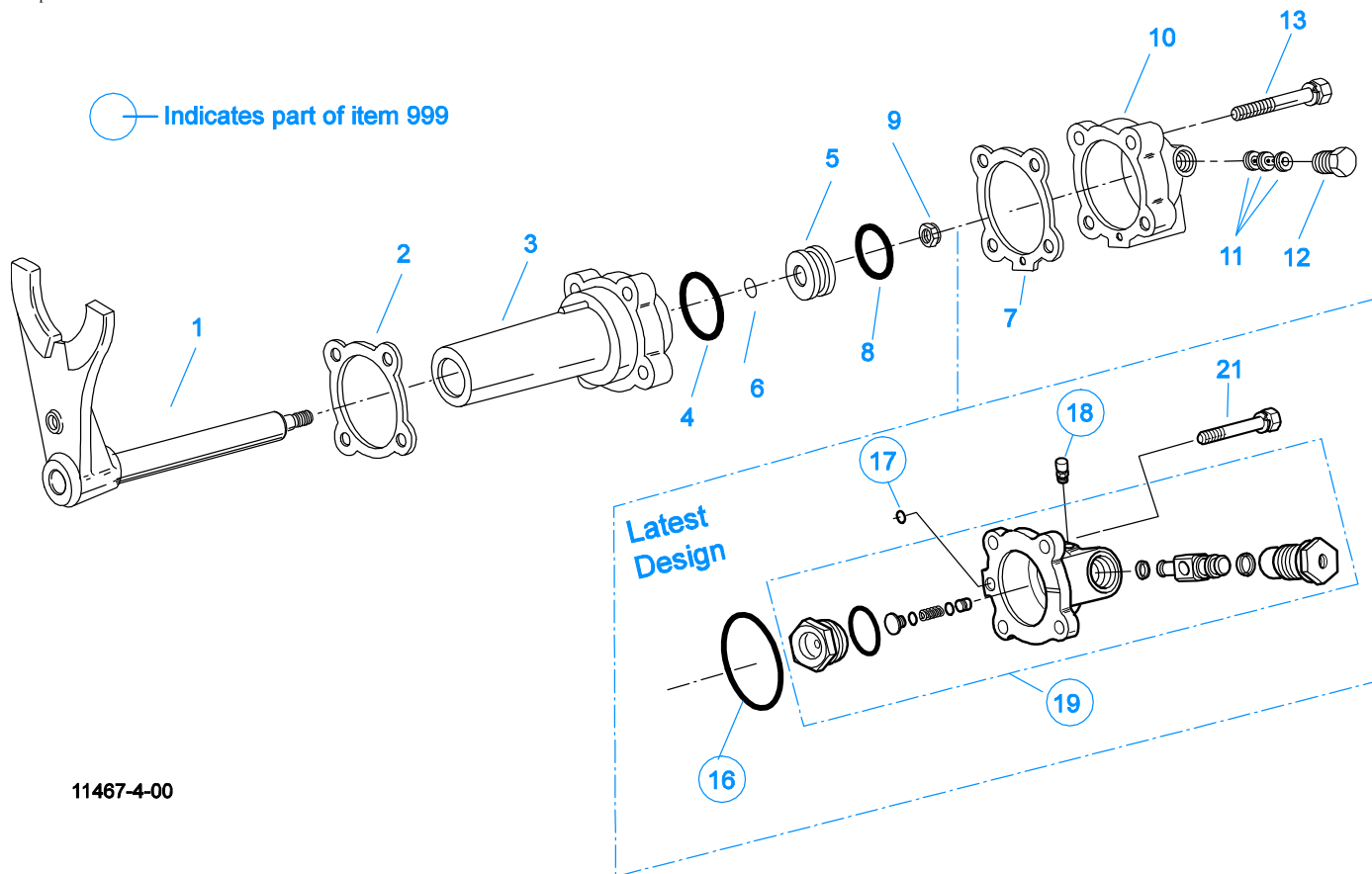
SHIFT BAR HOUSING

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-1445	SHIFT BAR HSG	18920 ,20135 ,20214 ,20215 ,20487 21135 ,4302452	1	HOUSING ONLY (X)	
2	4302676	GASKET	14918	1		K-2199,S-1527,S-1528
3	4304602	BREATHER	23605	1	1/4" NPT	
3	X-12-404	PIPE PLUG		1	1/4" NPT	
4	20070	OIL TROUGH		1		S-1527,S-1528

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
5	20332	AIR VALVE SHAFT	17177	1		S-1527,S-1528
6	X-8-423	CAPSCREW		2	1/4"-20X1/2"	
7	X-12-603	PIPE PLUG	X12 602	1	3/8" NPT	
8	20209	GASKET		1		S-1445,S-1446,S-1527,S-1528
9	20199	PLATE	18724	1		S-1445,S-1446,S-1527,S-1528
10	X-3-400	LOCKWASHER		2	1/4"	
11	X-8-406	CAPSCREW		2	1/4"-20X3/4"	
12	17179	GASKET		1		S-1445,S-1446,S-1527,S-1528
13	4303655	PLUG	17178	1		S-1445,S-1446,S-1527,S-1528
14	22941	NEUTRAL LIGHT SWITCH	12639	1	SWITCH NORMALLY CLOSED	
15	20815	LIFTING EYE	17105	2		S-2754
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-1446,S-1527,S-1528
18	15900	GASKET		1		S-1445,S-1446,S-1527,S-1528
19	22940	REVERSE LIGHT SWITCH	16830	1	SWITCH NORMALLY OPEN	
20	4303656	PLUG	15917	1		S-1445,S-1446,S-1527,S-1528
21	15918	SPRING		3		K-2779,K-2801,S-1527,S-1528
22	X-14-800	STEEL BALL		3	1/2"	
23	K-3104	ACTUATOR PIN KIT	4303287	1		
26	16131	SHIFT YOKE		1	REVERSE/LO	S-1219,S-1527
27	X-14-1200	STEEL BALL		2	3/4"	
28	14658	SHIFT BLOCK		1	1ST/2ND	S-1527
29	3220	LOCKSCREW		5		S-1527,S-1528
30	1634	INTERLOCK PIN		1		K-2801,S-1527,S-1528
31	19063	SHIFT BLOCK		1	3RD/OD	S-1527
32	20120	SHIFT BLOCK	18924	1	3RD/OD	S-1527,S-1528
33	18928	YOKE BAR	4302760	1	3RD/OD	S-1527
34	18922	SHIFT YOKE		1	1ST/2ND	S-1527,S-1528
35	18927	YOKE BAR		1	1ST/2ND	S-1527
36	4302070	SNAP RING		1		K-3104,S-1527,S-1528
37	4303225	ACTUATOR		1		S-1527,S-1528
38	4305575	SHIFT YOKE	20450	1	3RD/OD	S-1527,S-1528
39	18926	YOKE BAR		1	REVERSE/LO	S-1527
40	10019	PLUNGER		1		S-1219,S-1527,S-1528
41	6392	SPRING		1		S-1219,S-1527,S-1528
42	8968	PLUG		1		S-1219,S-1527,S-1528
999	S-1527	SHIFT BAR HSG ASSY	20215 ,21135 ,4302452	1	COMPLETE (X)	

2	Repair Kit
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Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	A-5000	SLAVE VALVE ASSY	20850	1	FOR A-5000 VALVE	
2	K-1935	REPAIR KIT-SLAVE VALVE		1		
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"	



11467-4-00

SPLITTER CYLINDER

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	A-7011	SPLITTER YOKE ASSY	A - 6303 ,A - 6894	1		
2	14632	GASKET		1	PRIOR TO SERIAL NUMBER 51130451 & PRIOR TO SERIAL NUMBERS STARTING WITH AN ALPHA CHARACTER	K-1603,K-2199,K-2803,K-2804
2	4303583	GASKET		1	BEGINNING W/SERIAL NUMBER 51130451 & ALL SERIAL NUMBERS STARTING WITH AN ALPHA CHARACTER	K-1603,K-2199,K-2803,K-2804
3	21609	SPLITTER CYLINDER		1	PRIOR TO SERIAL NUMBER 51130451 & PRIOR TO SERIAL NUMBERS STARTING WITH AN ALPHA CHARACTER	
3	4303582	SPLITTER CYLINDER		1	BEGINNING W/SERIAL NUMBER 51130451 & ALL SERIAL NUMBERS STARTING WITH AN ALPHA CHARACTER	
4	21208	-O- RING		1		K-2803,K-2804
5	4301964	PISTON		1		
6	13653	-O- RING		1		K-2803,K-2804,K-3331
7	17073	GASKET		1		K-1603,K-2199,K-2803,K-2804
8	21209	-O- RING		1		K-2803,K-2804
9	X-1-805	NUT		1		
10	K-3331	SPLITTER VLV REPL KIT	4300927 ,4304031 ,4304032 ,A - 6862	1		
11	19974	INSERT VALVE	15512 4303616	1		K-2288,K-2769,K-2779
12	15719	PLUG		1		
13	X-8L-540	CAPSCREW		4	5/16"-18X1-7/8"	
16	5568534	-O- RING		1		K-2804,K-3331
17	13653	-O- RING		1		K-2803,K-2804,K-3331
18	X2014210	BREATHER	7935	1		

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