

Roadranger®

Eaton® Fuller® Heavy Duty Transmissions

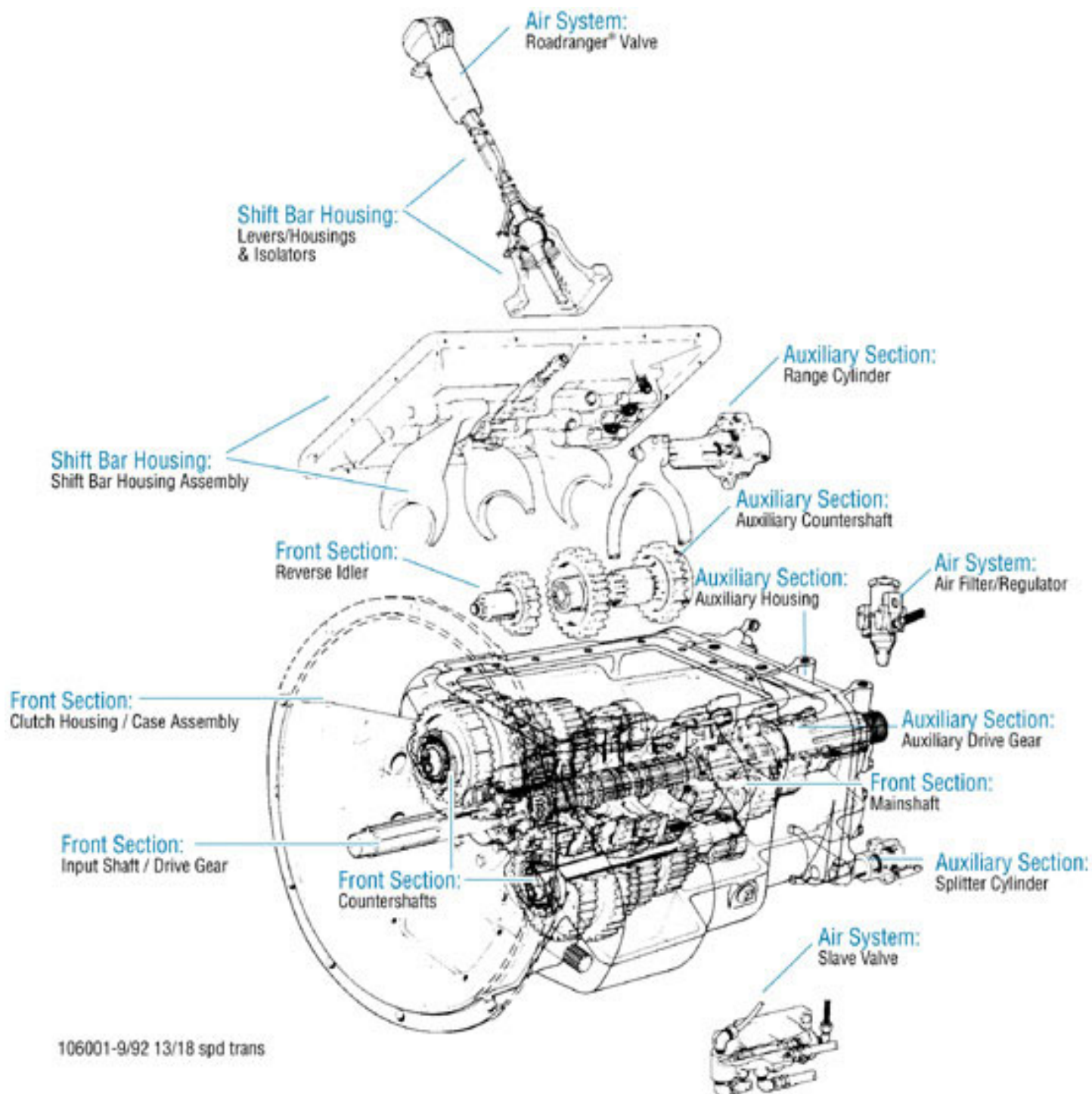


One Great Drivetrain from Two Great Companies

Illustrated Parts List RTLO-22918B Feb 2006



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How To Use The Illustrated Parts List

Using Model Designation or Nomenclature

- This information provides a guideline to assist you in identifying the transmission designation assigned to a transmission model - information vital to identifying and ordering parts.

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.

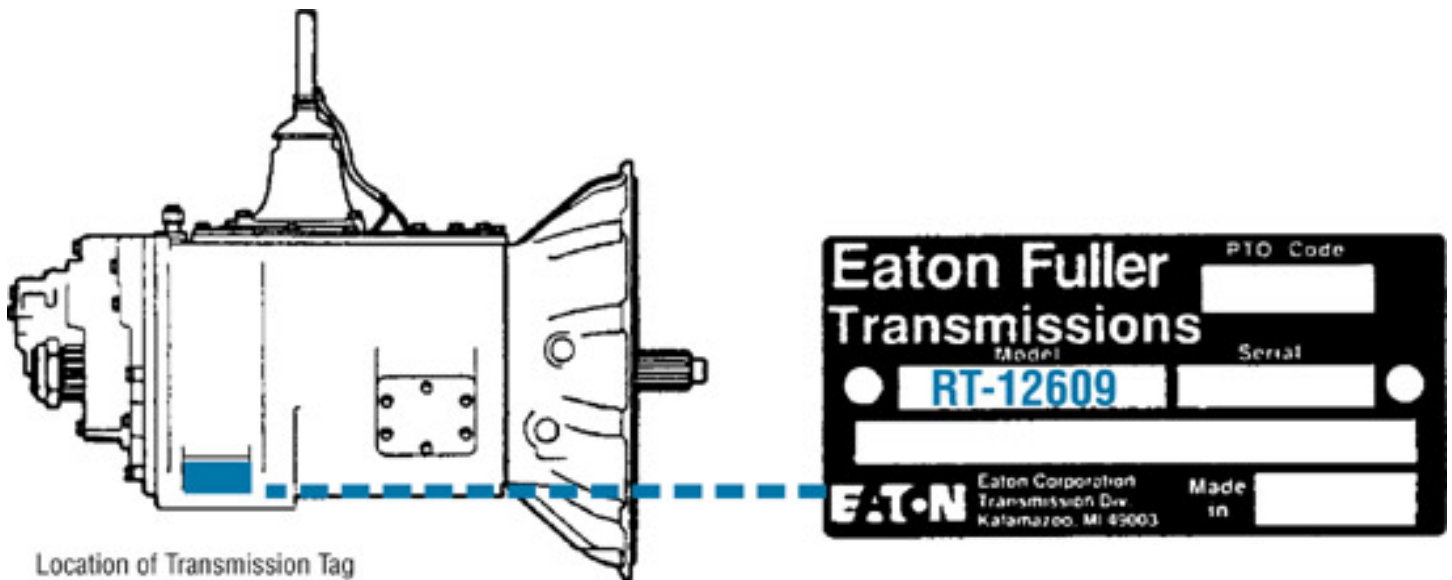
Parts Listing

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**

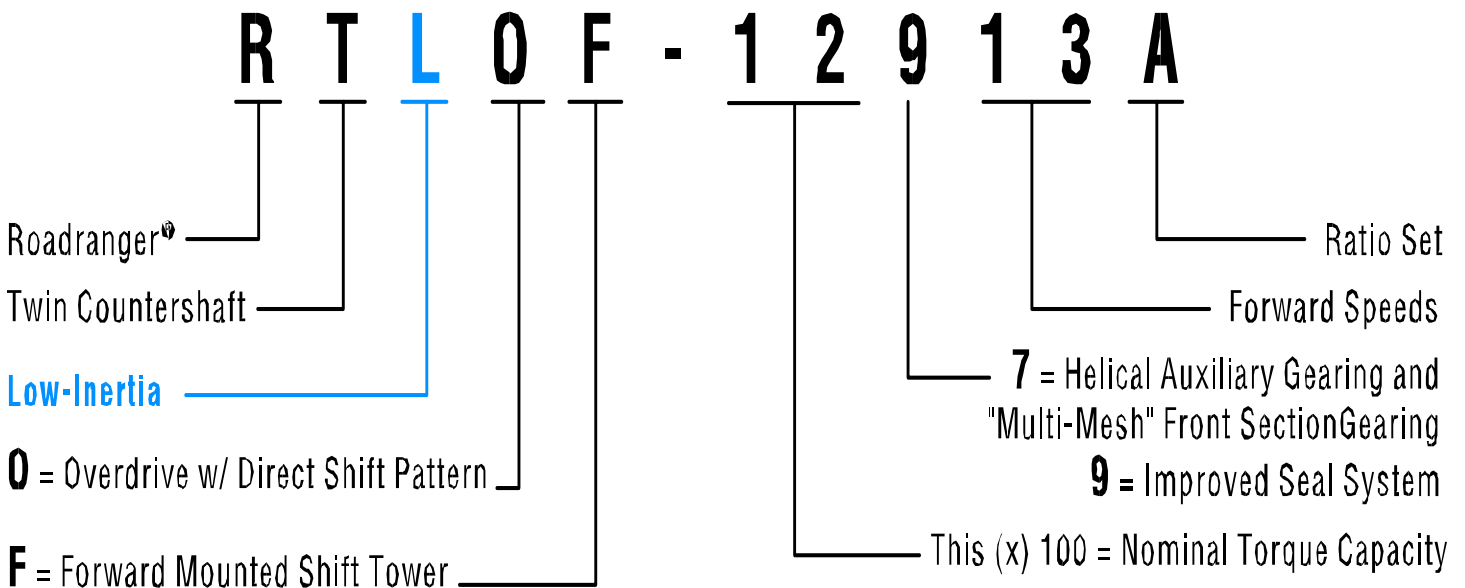
Locating Transmission Tag and Identifying Model Designation

Transmission model designation, and other transmission information, are stamped on the transmission tag. To identify the transmission model designation (nomenclature), locate the tag on the transmission and then locate the model designation number as shown.

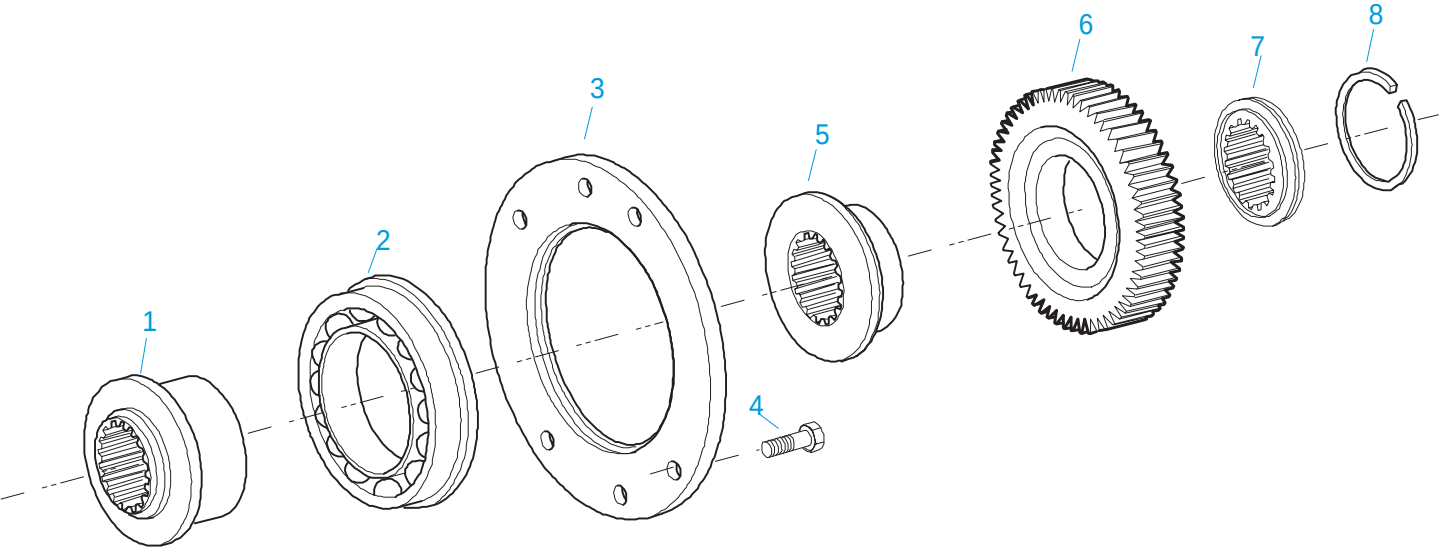


Using Model Designation or Nomenclature

The model designation or nomenclature assigned to a transmission model provides information concerning transmission torque capacity, forward speeds, ratio set, shift bar housing and other provisions and options. Use the following guidelines to identify your transmission model designation. This information is useful when ordering parts.



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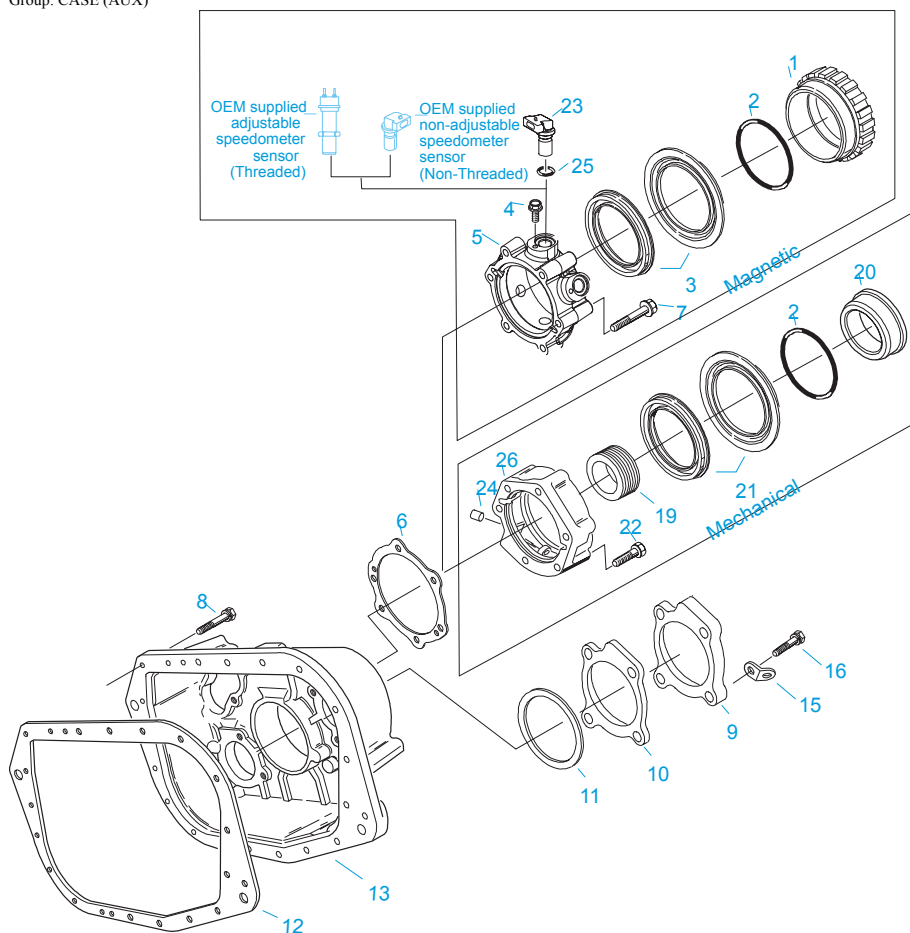


10484-6/93 Aux DG 713/18

AUXILIARY DRIVE GEAR

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	4304499	SPACER		1		
2	5566510	BEARING		1		K-3461 ,K-3462 ,K-3752
3	4304497	RETAINER		1		
4	X-8-680	CAPSCREW		6	3/8"-16X1-1/2"	
5	4304500	SPACER		1		
6	4304786	AUXILIARY DRIVE GEAR		1		
7	4303185	WASHER	4300901	1		
8	4301254	SNAP RING		1		K-3327 ,K-3461 ,K-3462 ,K-3752

Group: CASE (AUX)



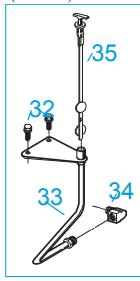
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CASE (AUX)

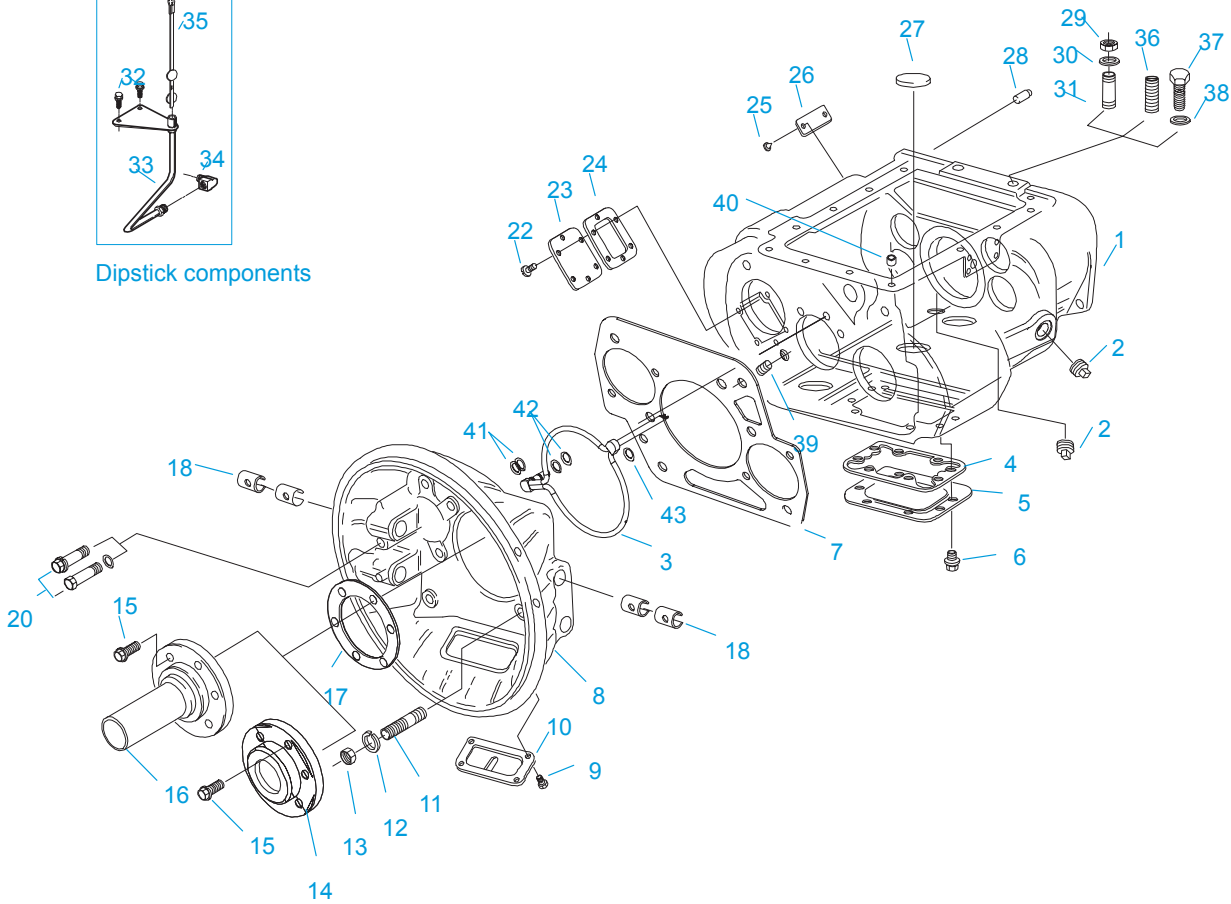
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-2501	SPEEDO ROTOR ASSY	4302242	1	MAGNETIC	
2	5568511	-O- RING		1		K-2918 ,S-2501 ,S-2503 ,S-2786 ,S-2809
3	K-2918	OIL SEAL KIT	4302322 4302323	1	MAGNETIC SPEEDO	K-3354 ,K-3355
4	X-8-0801M	CAPSCREW		2	M8 X 1.25 X 12MM	S-2809
5	S-2809	REAR BEARING COVER ASSY	4302332 ,4303872 ,4304652 ,4305830	1	PUSH-IN/THREAD-IN MAGNETIC PICK-UP	
6	4302247	GASKET		1	NON EDGE MOLDED GASKET - UNCOMPRESSED THICKNESS - .013 - .018 - NOT INTERCHANGEABLE WITH ANY OTHER GASKET	K-2262 ,K-2918 ,K-3288
6	1009551	GASKET - RED EDGE MOLDED		1	RED EDGE MOLDED GASKET - UNCOMPRESSED THICKNESS .043 - .051 - NOT INTERCHANGEABLE WITH ANY OTHER GASKET	K-2262 ,K-2918 ,K-3288 ,S-2502 ,S-2809 S-2859
7	X-8L-614	CAPSCREW		6	3/8"-16X2" USE W/4303872 RBC	
7	X-8L-614	CAPSCREW		2	3/8"-16X2"	
7	X-8L-611	CAPSCREW		4	3/8"-16X3-1/4"	S-2809
8	X-8L-614	CAPSCREW		2	3/8"-16X2"	
8	X-8L-602	CAPSCREW		17	3/8"-16X1-1/2"	
9	4302320	COVER	21346	2		S-2786
10	4305978	GASKET	4302246	2		K-3288 ,S-2786
11	K-2805	SHIM KIT	21452 K - 2106	1		K-3354 ,K-3355 ,S-2786
12	14335	GASKET		1		K-3288 ,S-2786
13	4303586	REAR HOUSING		1		
15	20815	LIFTING EYE	17105	2		S-2786
16	X-8L-604	CAPSCREW		8	3/8"-16X1-1/4"	S-2786
19	86104	SPEEDO DRIVE GEAR		1		
20	S-2503	SPEEDO SPACER ASSY	4302590	1	MECHANICAL	

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
21	K-2262	OIL SEAL W/SLINGER	19109 ,20807 ,20808	1	MECHANICAL SPEEDO	
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		S-2786
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)



Dipstick components

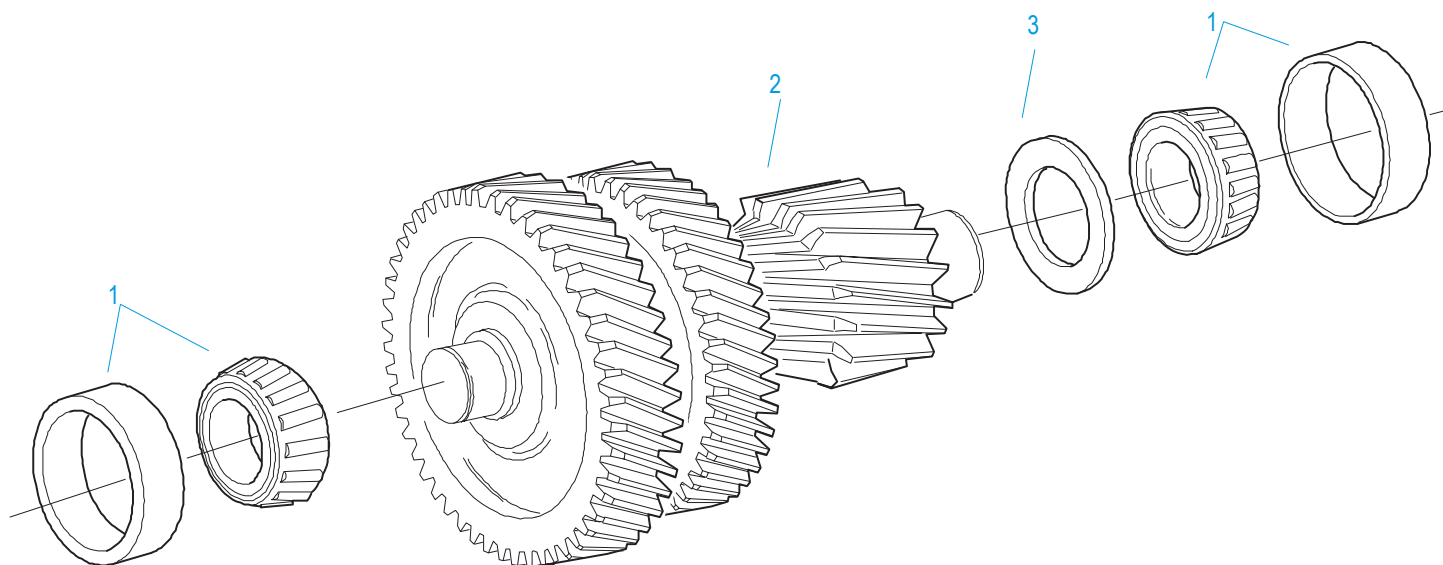


10319-11-99 Alum Hsg

CASE (FRONT)

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-3001	CASE ASSEMBLY	4305390 ,4305810 ,S - 2891	1		
2	4304023	PLUG	4303747	2	1-1/16" MAGNETIC, O-RING INCLUDED	K-3752 ,S-3001
3	A-7471	EXTENDED LUBE TUBE ASSY	4305393	1	CAN ONLY BE USED W/4305390 CASE	
3	A-7194	LUBE TUBE ASSY	4304921 ,A - 7141	1	CAN BE USED W/4305390 OR 4304796 CASE	
4	4305310	GASKET	4302810	1		K-3458
5	4302809	PTO COVER	16596 ,4300571	1		
6	X-8-725	CAPSCREW	X 8 724	8	7/16"-14X7/8"	
7	4305668	GASKET	4304815	1		K-3458 ,K-3671 ,K-3672 ,K-3673 ,K-3676
8	K-3673	FORCED LUBE CL HSG KIT	A - 7146	1	#1 PULL ALUMINUM - NODAL MOUNT	
8	K-3671	FORCED LUBE CL HSG KIT	A - 7148	1	#1 PULL IRON	
8	K-3672	FORCED LUBE CL HSG KIT	A - 7149 ,A - 7150	1	#1 PULL IRON - NODAL MOUNT	
8	K-3676	FORCED LUBE CL HSG KIT	A - 7145	1	#1 PULL ALUMINUM	
9	X-8L-509	CAPSCREW		4	5/16"-18X1/2" QUANTITY DEPENDENT ON DESIGN	
10	4305231	HAND HOLE COVER	1565	1	#1 PUSH	
10	4305230	HAND HOLE COVER	11453	1	#1 PULL	
11	4302708	STUD	5966	6		
12	X-10-1005	WASHER	X 3 1000 ,X10 1000 ,X10 1004	6	1.23 X 6.60	
13	X-1-1005	NUT	X 1 1000	6	5/8"-18	
14	20550	FRONT BEARING COVER		1	2" PULL	K-3752

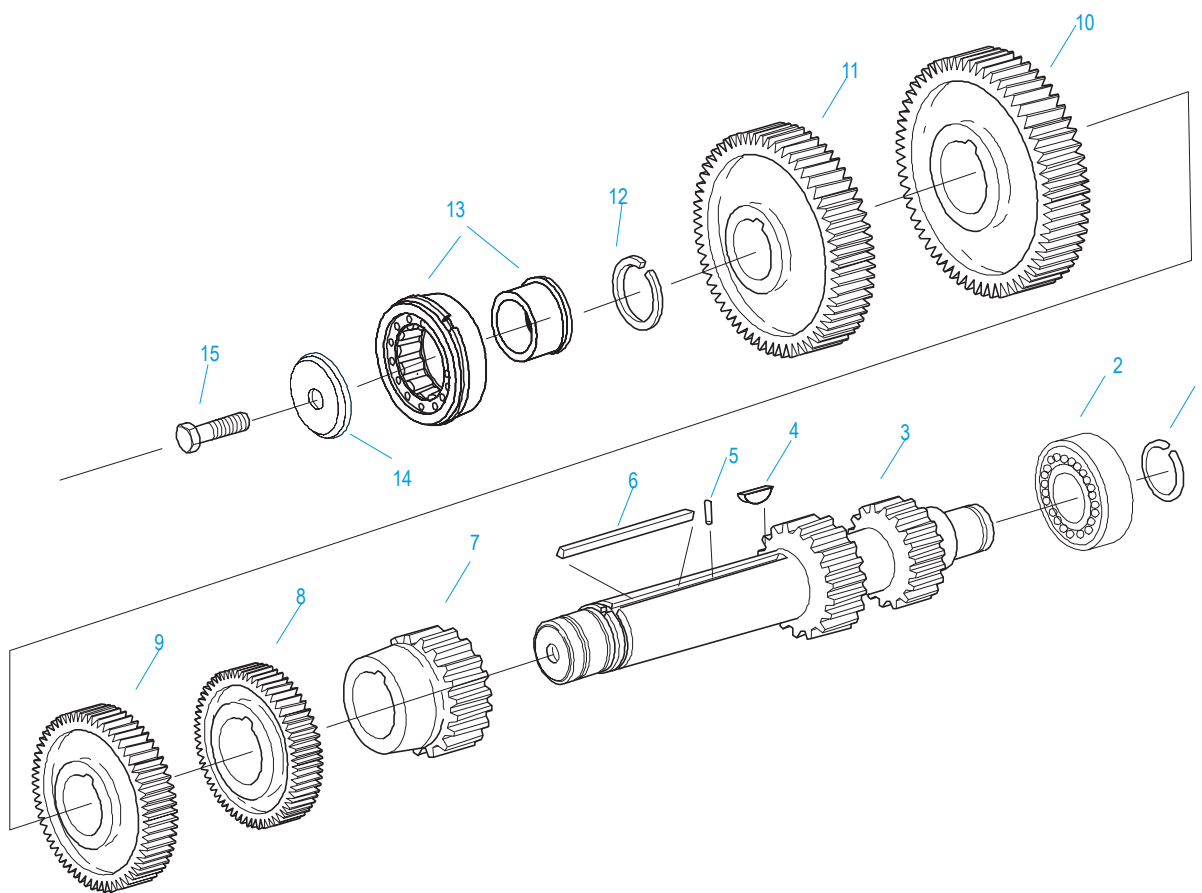
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
15	X-8L-604	CAPSCREW		6	3/8"-16X1-1/4"	S-2889
16	20549	FRONT BEARING COVER		1	2" PUSH	
17	14311	GASKET		1		K-3458
18	12815	BUSHING		4		K-3752
20	X-8C-826	CAPSCREW	126243 X 8 809 X 8L 809 X 8L 826	4	1/2-13 X 1-7/16 - FOR ALUMINUM HOUSING	K-3671 ,K-3672 ,K-3673 ,K-3676
20	X-8C-822	CAPSCREW	X 8 822 ,X 8L 822	2	1/2-13 X 3-1/2 - FOR IRON HOUSING	
20	X-8C-826	CAPSCREW	126243 X 8 809 X 8L 809 X 8L 826	2	1/2-13 X 1-7/16 - FOR IRON HOUSING	K-3671 ,K-3672 ,K-3673 ,K-3676
22	X-8-686	CAPSCREW		6	3/8"-16X3/4"	
23	14575	PTO COVER	4302254	1		
24	4305309	GASKET	1684	1		K-3458
27	14373	MAGNET		3		K-3752 ,S-3001
28	18128	PIN		2		
29	X-1-1005	NUT	X 1 1000	2	5/8"-18	
30	X-10-1005	WASHER	X 3 1000 ,X10 1000 ,X10 1004 ,X10 1004	2	1.23 X 6.60	
31	14554	STUD	1632 ,6579	2	5/8" X 2-3/16"	
32	X-8L-602	CAPSCREW		2	3/8"-16X1-1/2"	K-1927
33	20867	TUBE		1		K-1927
34	20484	ELBOW		1		K-1927
35	20866	DIPSTICK		1		K-1927
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"	
40	4302680	BUSHING		1		
41	13835	-O- RING		2		A-7194 ,A-7471 ,K-3341 ,K-3752
42	13653	-O- RING		2		A-7194 ,A-7471 ,K-3331 ,K-3341 ,K-3752
43	5568544	-O- RING		1		A-7194 ,A-7471 ,K-3341



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COUNTERSHAFT & BRGS(AUX)

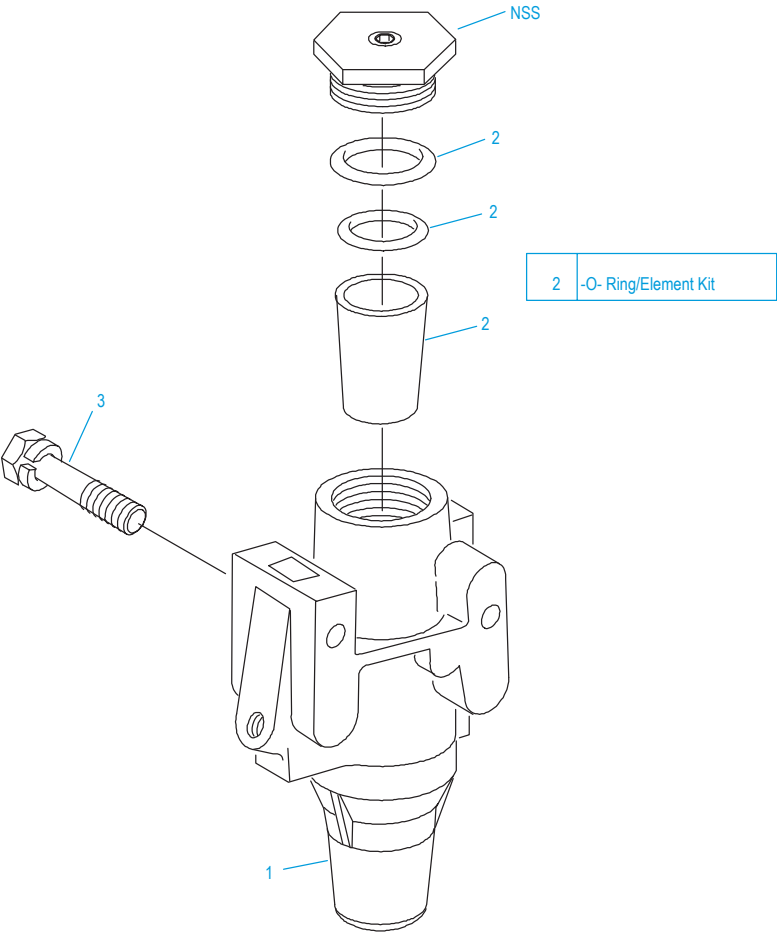
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	4301851	BEARING		4		K-3514 ,K-3515 ,S-2944
2	A-7062	WELDED CNTRSHFT ASSY		2	C/S 4303143 - D/G 4304787 S/G 4304789	
3	4303124	SPACER	4300897	2		



10364-11-96 CS/RT

COUNTERSHAFT ASSY

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	4302082	SNAP RING		2		K-3327 ,K-3461 ,K-3462 ,K-3752
2	4302712	BEARING		2		K-3461 ,K-3462 ,K-3752
3	K-2947	COUNTERSHAFT REPL KIT	4302652	2		
4	X-6-E	KEY		2		
5	62511	ROLL PIN		2		
6	4304840	KEY	19673	2		
7	4304802	1ST GEAR-CNTRSHFT		2		
8	4304518	2ND GEAR-CNTRSHFT	4303700	2		
9	4304790	OD GEAR-CNTRSHFT		2		
10	15953	PTO GEAR - LOWER		1		
10	20840	PTO GEAR - UPPER	15952	1		
11	4304792	DRIVE GEAR-CNTRSHFT		2		
12	19198	SNAP RING		2		K-3327 ,K-3752
13	4304599	BEARING	4302677 4304598	2		K-3461 ,K-3462 ,K-3752
14	4304605	RETAINER	19548	2		
15	X-7-1005	CAPSCREW		2	5/8"-18X1-3/4"	

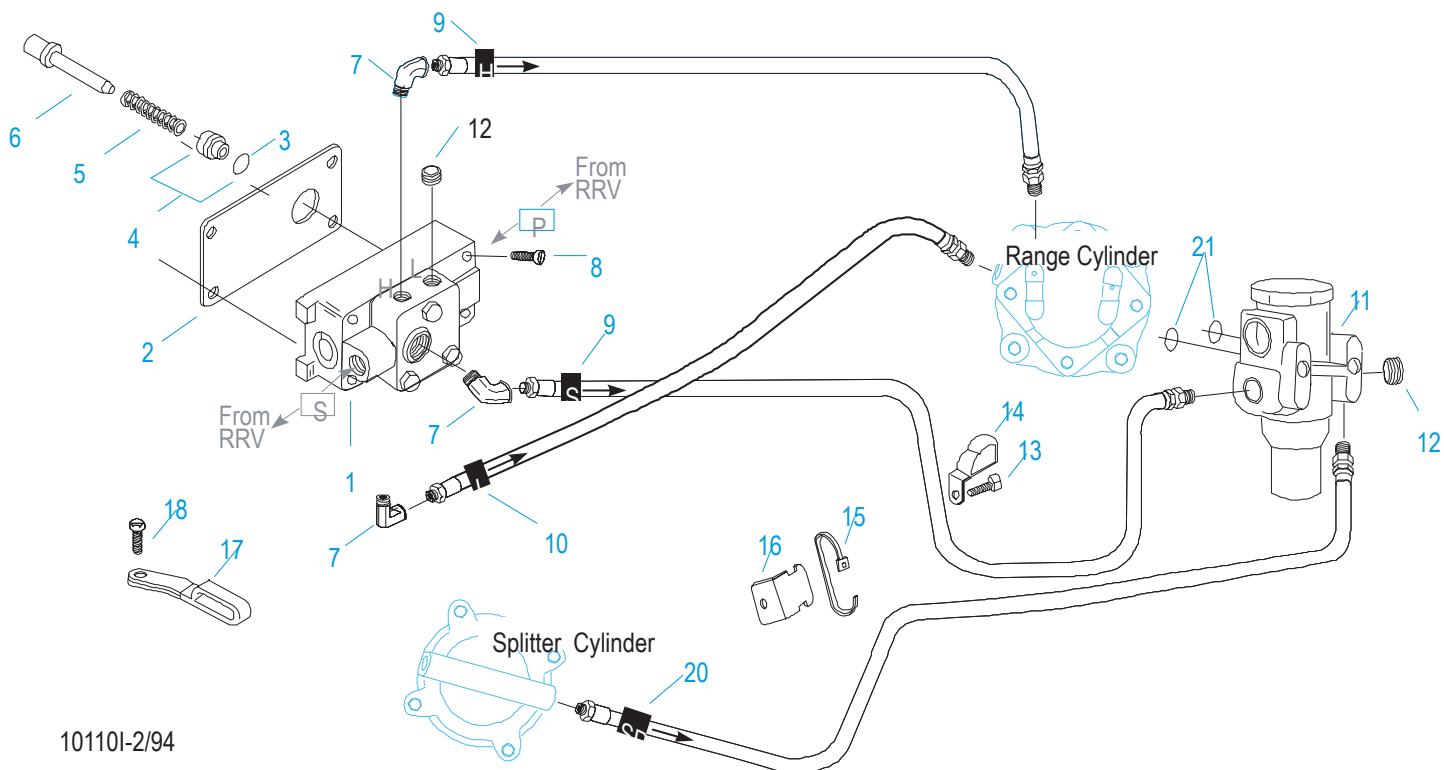


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NSS - Not Sold Separately

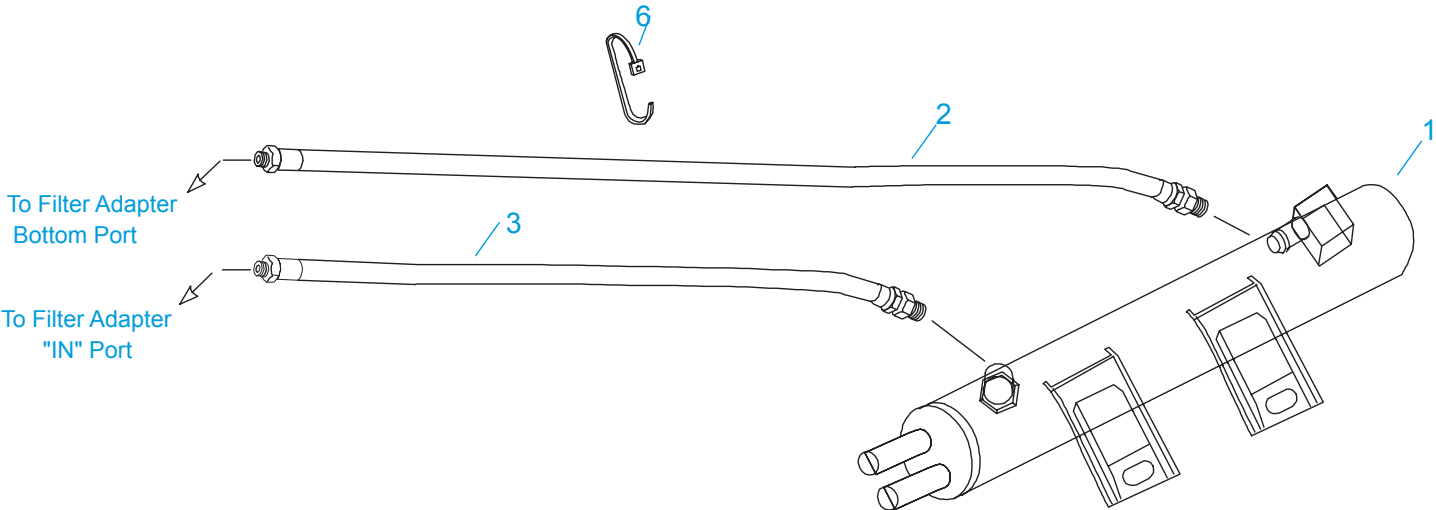
FILTER REGULATOR

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"	



H & C W/A-5000 VALVE

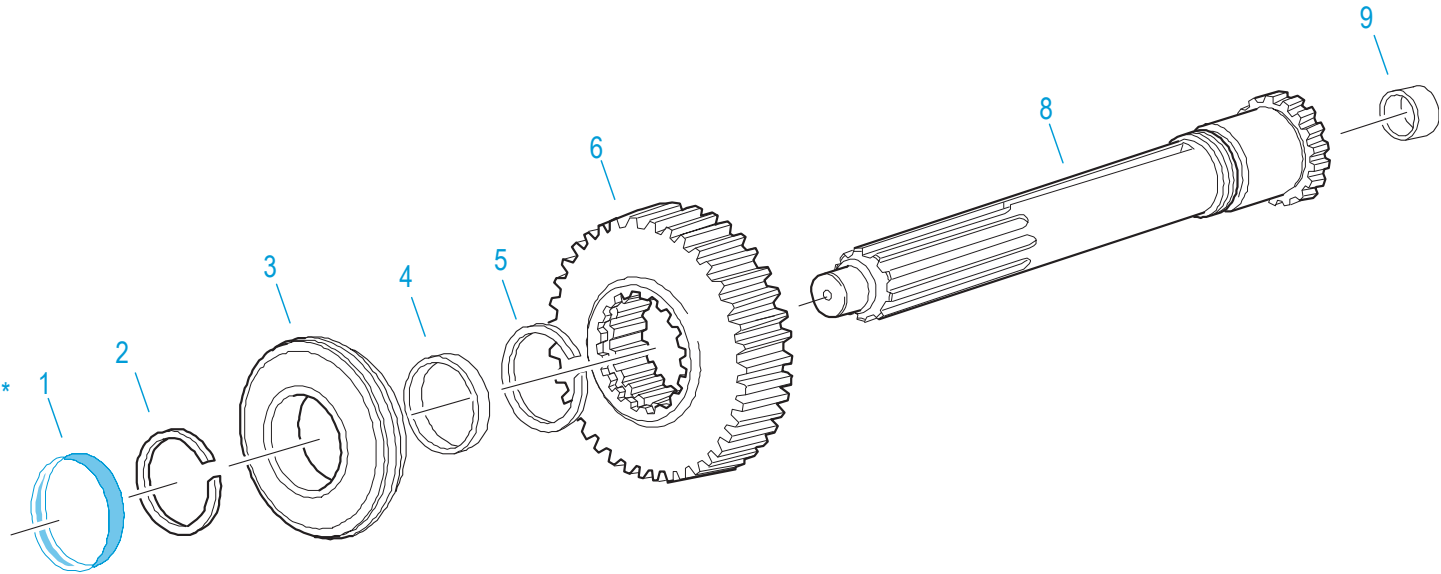
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	A-5000	SLAVE VALVE ASSY	20850	1		
2	19481	GASKET		1		K-2199
3	19462	-O- RING	14033	1		K-1969
4	K-1969	SLEEVE KIT	14362 ,19460 ,21446	1	FOR SLAVE VALVES	
5	21268	SPRING	19572	1		
6	20490	PIN	19459	1		
7	12845	ELBOW		3	1/8"	
8	X-8C-411	CAPSCREW		4	1/4"-20X1-3/4"	
9	55528	HOSE ASSY		2	36"	
10	55509	HOSE ASSY		1	34"	
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"	
21	15114	-O- RING		2		A-5000 ,K-1935



11520-5-00

HEAT EXCHANGER

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	K-3620	HEAT EXCHANGER KIT	5586600	1	MUST USE WHEN REPLACING 5586600 HEAT EXCHANGER WITH 5/8" PORTS, 5/8" TO 3/4" ADAPTERS ARE INCLUDED IN THIS KIT	
2	5586625	HEAT EXCHANGER (14")	5586612	1	3/4" PORTS	K-3620
3	5588101	OIL HOSE ASSEMBLY	5586901	1	14.5"	
4	5588102	OIL HOSE ASSEMBLY	5586902	1	26.5"	
5	21425	STRAP		2		K-3750

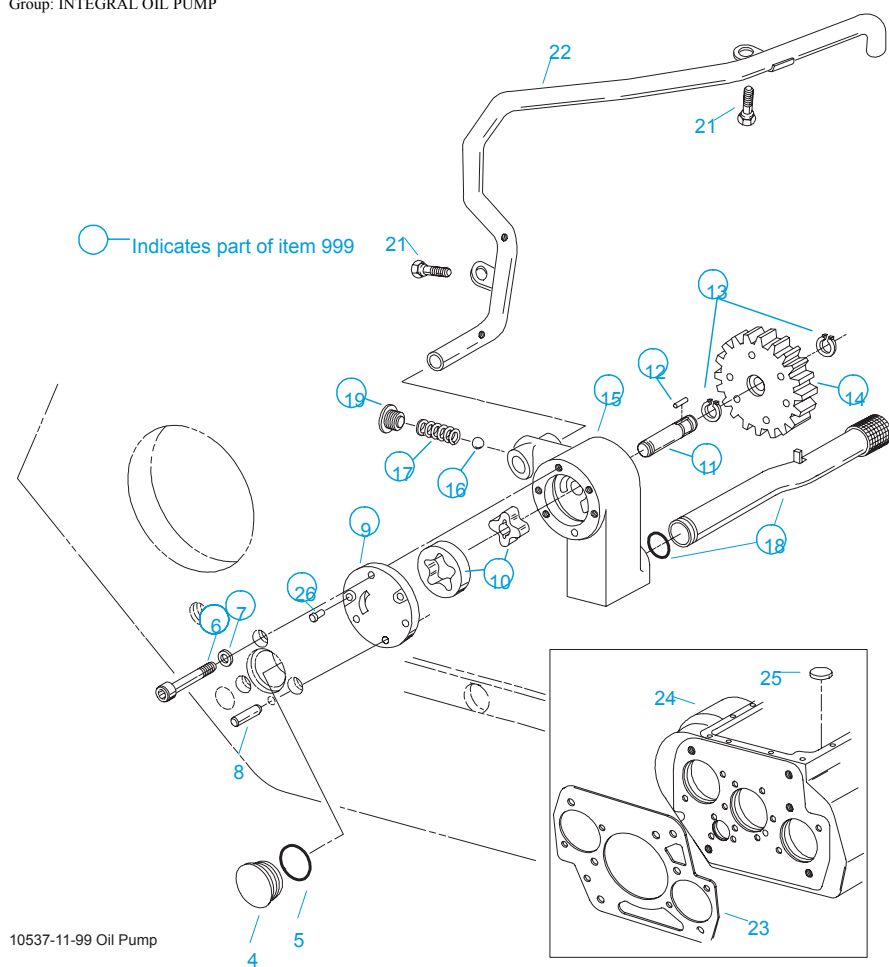


* For Shipping Only Do Not Replace

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-3511 ,K-3514 ,K-3515
3	4301417	BEARING	81504	1		K-3514 ,K-3515
4	16463	SPACER		1		
5	14750	SNAP RING		1		K-3511 ,K-3514 ,K-3515
6	4304793	MAIN DRIVE GEAR		1		
8	S-2890	INPUT SHAFT ASSY	4304841	1	2" PULL	K-3515
9	16566	BUSHING		1		K-3514 ,S-2890

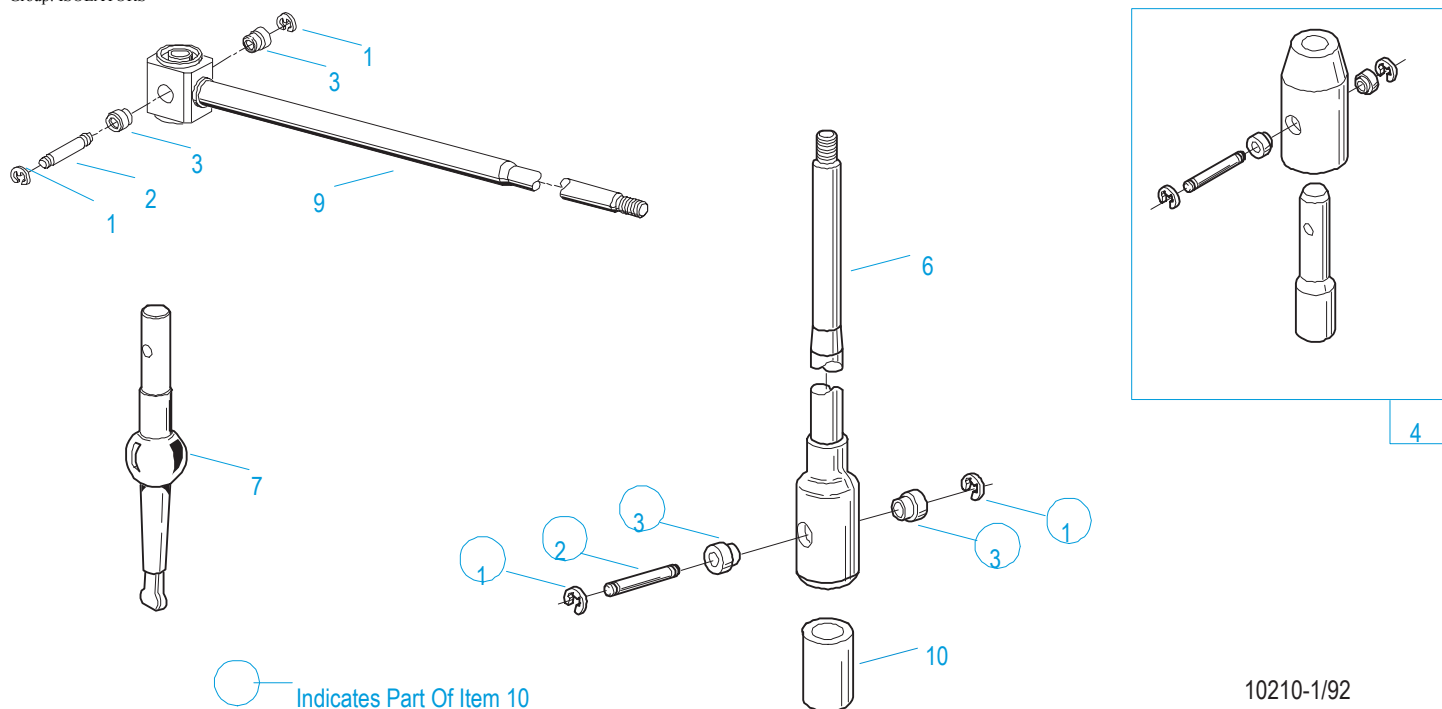


INTEGRAL OIL PUMP

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
4	20823	PLUG		1		
5	14765	-O- RING		1		K-3341
6	X-8-448	SCREW	X 8 445	3	1/4"-20X1-1/4"	
7	20824	WASHER		3		K-3367 ,K-3752
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"	
17	4303775	SPRING		1		
18	4305713	SUCTION TUBE	4304628	1	O-RING INCLUDED ON SUCTION TUBE	K-3367
19	4304629	PLUG		1		
21	X-8-686	CAPSCREW		2	3/8"-16X3/4"	
22	4305715	SPLITTER LUBE TUBE	A - 7197	1		
23	4305668	GASKET	4304815	1		K-3458 ,K-3671 ,K-3672 ,K-3673 ,K-3676

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
24	S-3001	CASE ASSEMBLY	4305390 ,4305810 ,S - 2891	1		
25	14373	MAGNET		3		K-3752 ,S-3001
26	X-8-447	SCREW		2		
27	20225	-O- RING		1		K-3752
999	K-3367	OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		

Group: ISOLATORS



10210-1/92

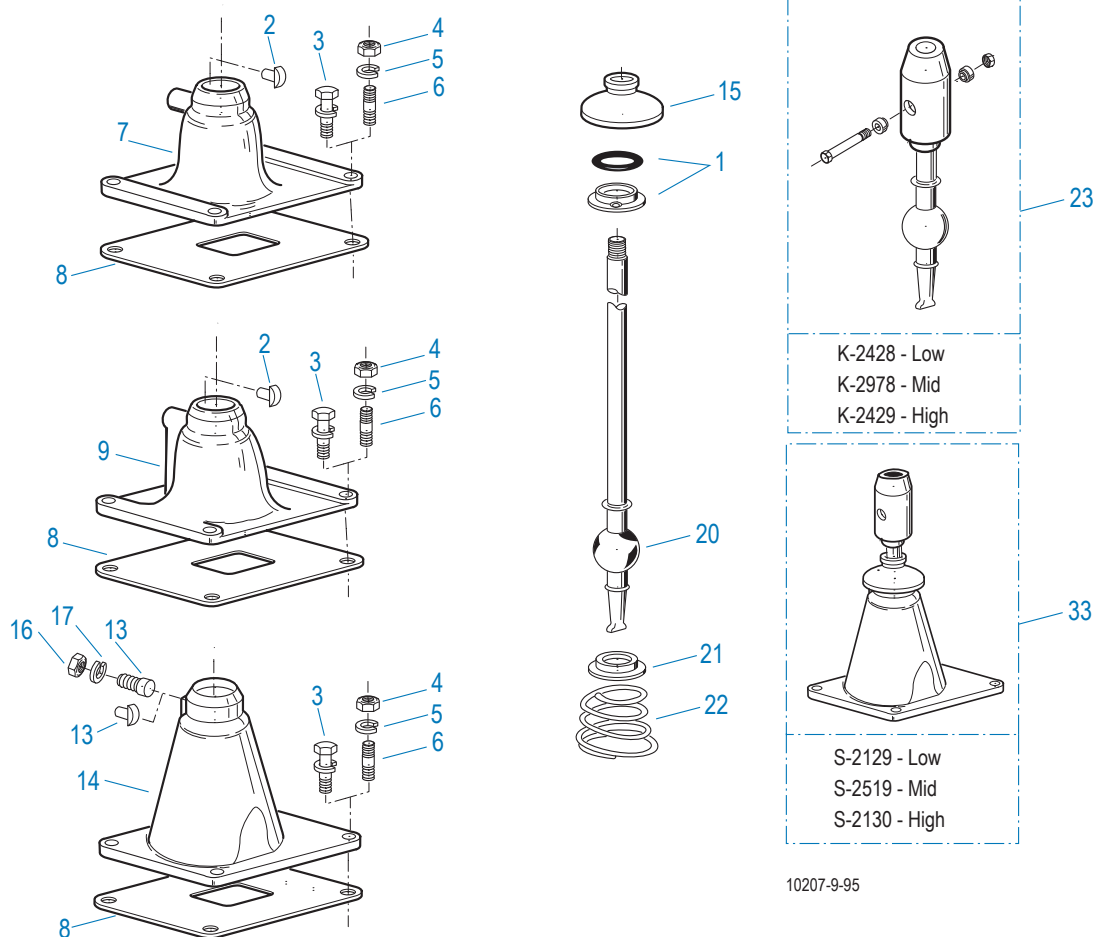
ISOLATORS

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
7	21236	STUB LEVER		1	HIGH TOWER	K-2429 ,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		K-2003 ,K-2428 ,K-2429 ,K-2978 ,K-3399 ,K-3467 ,S-2129 ,S-2130 ,S-2519
12	X-9-503	NUT		1		K-2003 ,K-2428 ,K-2429 ,K-2978 ,K-3399 ,K-3467 ,S-2129 ,S-2130 ,S-2519

KITS & ASSEMBLIES

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
K-3104		ACTUATOR PIN KIT	4303287	1		K-3752
K-2394		AIR SYSTEMS TOOL KIT		1		
K-3461		BASIC OVERHAUL KIT		1		
K-3462		BASIC REBUILD KIT		1		
S-1516		CAP ASSY	20851 ,20853	1		
S-3001		CASE ASSEMBLY	4305390 ,4305810 ,S - 2891	1		
K-2947		COUNTERSHAFT REPL KIT	4302652	1		
K-1927		DIPSTICK KIT		1		
K-3673		FORCED LUBE CL HSG KIT	A - 7146	1	#1 PULL ALUMINUM - NODAL MOUNT	
K-3676		FORCED LUBE CL HSG KIT	A - 7145	1	#1 PULL ALUMINUM	
K-3672		FORCED LUBE CL HSG KIT	A - 7149 ,A - 7150	1	#1 PULL IRON - NODAL MOUNT	
K-3671		FORCED LUBE CL HSG KIT	A - 7148	1	#1 PULL IRON	
K-3458		GASKET KIT		1		K-3461 ,K-3462 ,K-3752
S-2890		INPUT SHAFT ASSY	4304841	1	2" PULL	K-3461 ,K-3752
S-1794		ISOLATOR ASSY		1		
K-3399		ISOLATOR BUSHING KIT	21244 ,23311	1		
K-2429		LEVER REPLACEMENT KIT		1	HIGH TOWER	
K-2978		LEVER REPLACEMENT KIT		1	MID TOWER	
K-2428		LEVER REPLACEMENT KIT		1	LOW TOWER	
S-2560		MAINSHAFT ASSY	4302658 ,4303403 ,S - 2268	1		
K-3752		MASTER REBUILDER KIT		1	USE TO REBUILD RTLO-22918B W/NON-SELECTIVE WASHERS AND FORCED LUBE ONLY	
K-3191		MASTER VALVE REPAIR KIT		1	FOR A-6918 VALVE	
K-1698		-O- RING/ELEMENT KIT		1	FOR FILTER REGULATOR	
K-3441		OIL FILTER/ADAPTER KIT	A - 7174	1		
K-3367		OIL PUMP KIT	4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173	1		
K-2918		OIL SEAL KIT	4302322 4302323	1		K-3461 ,K-3462 ,K-3752
K-3651		OIL SEAL TOOL KIT		1		
K-2262		OIL SEAL W/SLINGER	19109 ,20807 ,20808	1		
K-3376		O-RING & WASHER KIT	4301211	1		
K-3341		O-RING KIT		1		K-3461 ,K-3462 ,K-3752
K-2003		PIN & BUSHING KIT		1		
K-3467		PIN REPLACEMENT KIT	21245	1		
S-2889		RANGE SECTION ASSY		1		
S-2809		REAR BEARING COVER ASSY	4302332 ,4303872 ,4304652 ,4305830	1	PUSH-IN/THREAD-IN MAGNETIC PICK-UP	
S-2502		REAR BRG COVER ASSY	4303604 ,4305827	1	MECHANICAL - 4:00 OPENING	
S-2859		REAR BRG COVER ASSY	4302732 ,4305826	1	MECHANICAL - 6:00 OPENING	
K-1935		REPAIR KIT-SLAVE VALVE		1	FOR A-5000 VALVE	
K-3497		REPL KIT-SLIDING CLUTCH	K - 3200	1		
S-2588		ROADRANGER VALVE ASSY		1		
S-2270		SHIFT BAR HSG	4302675	1	HOUSING ONLY (X)	
S-2269		SHIFT BAR HSG	4302679	1	HOUSING ONLY (XF)	
S-2910		SHIFT BAR HSG ASSY	4302675	1	COMPLETE (RTLO)	
S-2911		SHIFT BAR HSG ASSY	4302679	1	COMPLETE (RTLOF)	
K-1476		SHIFT LEVER HSG	4530 ,17163 ,18298 ,4304905 ,A - 4437	1	LOW TOWER	
S-2130		SHIFT LEVER HSG ASSY	S - 2053	1	HIGH TOWER	

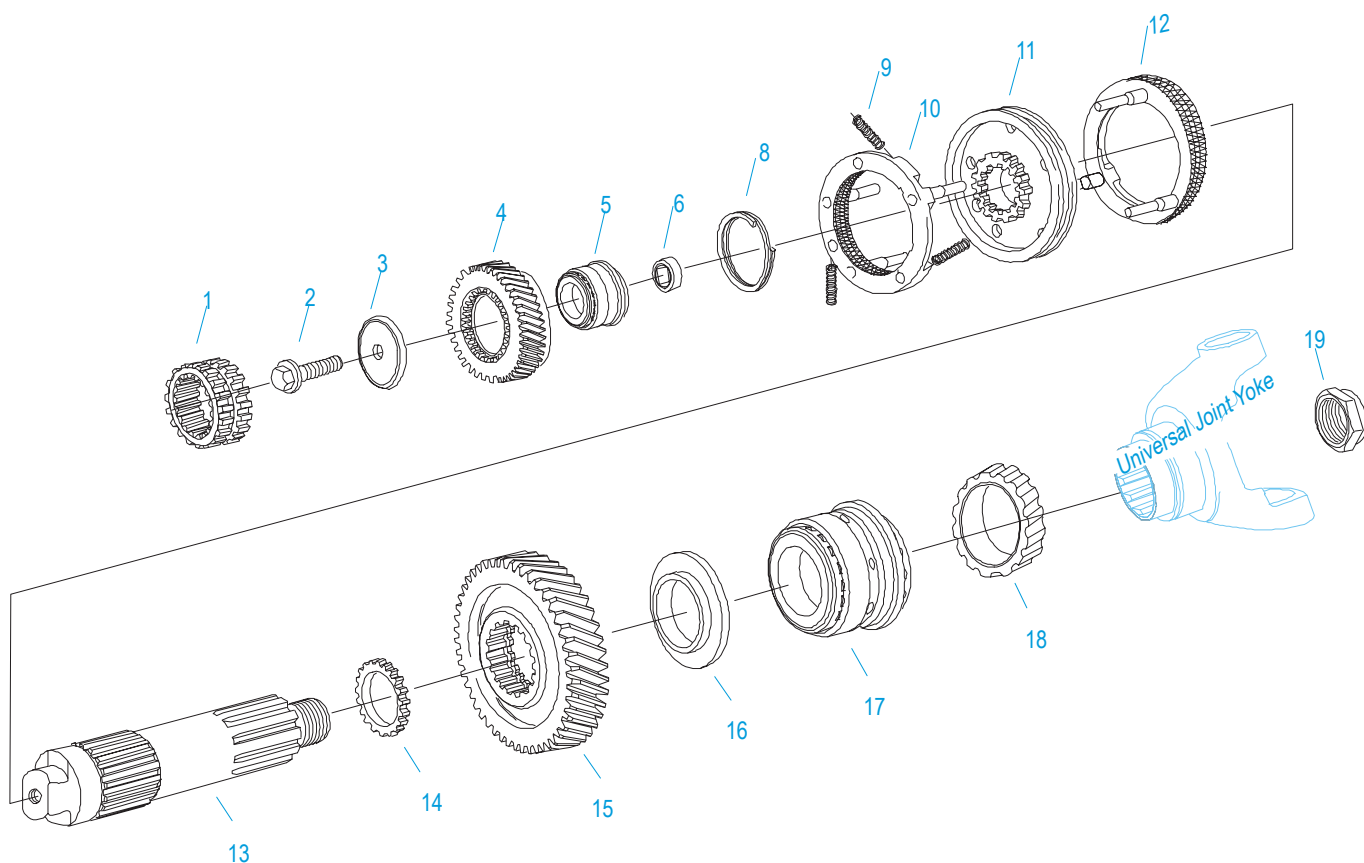
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
	S-2129	SHIFT LEVER HSG ASSY		1	LOW TOWER	
	S-2519	SHIFT LEVER HSG ASSY	S - 2919	1	MID TOWER	
	K-2973	SHIFT LEVER HSG KIT	17166 ,17167 ,4303050 ,4304910 ,K - 1630 K - 1941	1	HIGH TOWER	
	K-2977	SHIFT LEVER HSG KIT	4301167 ,4304907 ,A - 6040	1	MID TOWER	
	K-2805	SHIM KIT	21452 K - 2106	1		K-3461 ,K-3462 ,K-3752 ,S-2889
	K-1969	SLEEVE KIT	14362 19460 ,21446	1	FOR SLAVE VALVES	K-3752
	K-3327	SMALL PARTS KIT		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)	
	S-2501	SPEEDO ROTOR ASSY	4302242	1	MAGNETIC	
	S-2503	SPEEDO SPACER ASSY	4302590	1		
	K-3331	SPLITTER VLV REPL KIT	4300927 ,4304031 ,4304032 ,A - 6862	1		
	K-3492	SYNCHRONIZER KIT	K - 2446	1		
	S-1219	YOKE ASSY LOW-REV		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
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	4305294	GASKET	4303431	1		K-1476 ,K-2199 ,K-2428 ,K-2429 ,K-2973 ,K-2977 ,K-2978 ,S-2129 ,S-2130 ,S-2271 S-2272 ,S-2519
9	K-2977	SHIFT LEVER HSG KIT	4301167 ,4304907 ,A - 6040	1	MID TOWER	
13	6541	PIN		1	3/8" - USED W/17167 ONLY	
13	4303030	PIN		1		K-2973 ,S-2130
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-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-2130
22	2536	SPRING		1		K-1476 ,K-2973 ,K-2977 ,S-2130

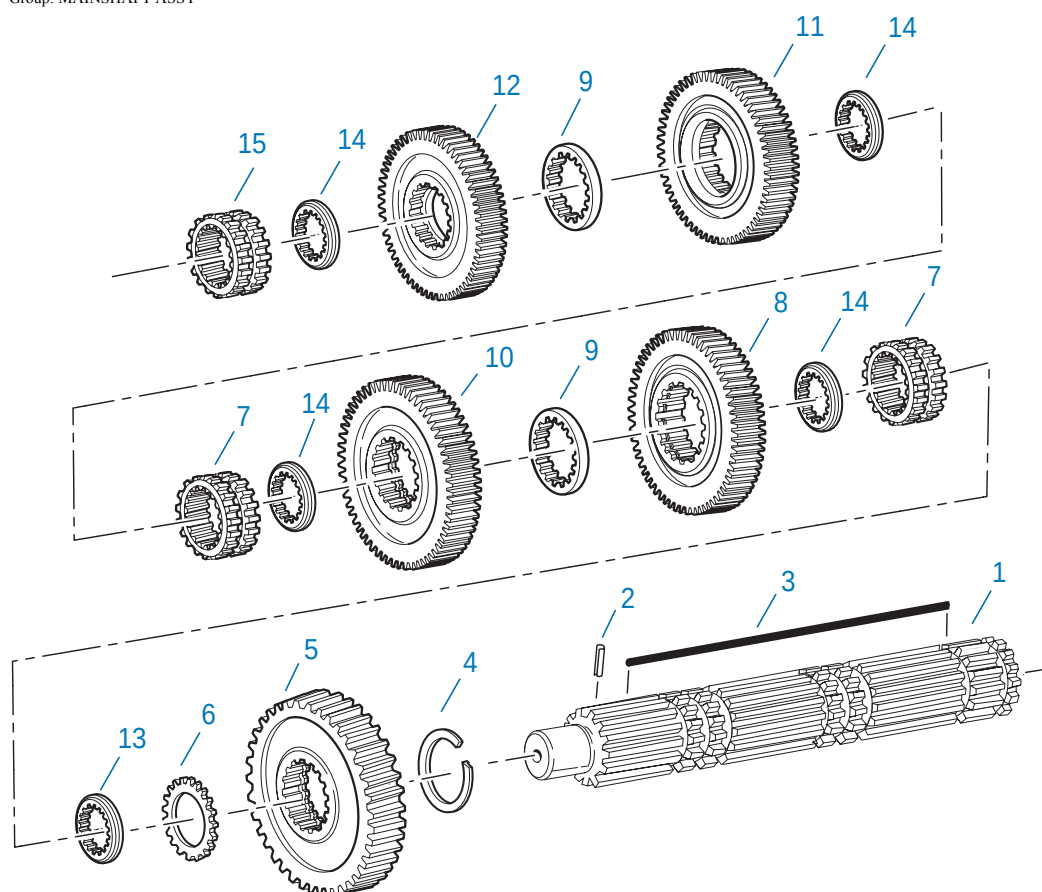
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
23	K-2978	LEVER REPLACEMENT KIT		1	MID TOWER	
23	K-2429	LEVER REPLACEMENT KIT		1	HIGH TOWER	
23	K-2428	LEVER REPLACEMENT KIT		1	LOW TOWER	
33	S-2129	SHIFT LEVER HSG ASSY		1	LOW TOWER	
33	S-2130	SHIFT LEVER HSG ASSY	S - 2053	1	HIGH TOWER	
33	S-2519	SHIFT LEVER HSG ASSY	S - 2919	1	MID TOWER	



10438-12-97 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"	K-3752
3	4301843	RETAINER		1		
4	4304788	SPLITTER GEAR		1		
5	4300902	TAPERED ROLLER BRG		1		K-3461 ,K-3462 ,K-3752
6	4301844	BEARING SLEEVE		1		K-3752
8	4303424	SNAP RING		1		K-3461 ,K-3462 ,K-3752
9	14897	SPRING		3		K-3327 ,K-3461 ,K-3462 ,K-3492 ,K-3497 ,K-3752
10	A-7331	SYNCHRONIZER ASSY	4304396 4304397 A - 5917	1	HI RANGE	K-3492 ,K-3497 ,K-3752
11	4301840	SLIDING CLUTCH	4303386	1		K-3497 ,K-3752
12	A-7254	SYNCHRONIZER ASSEMBLY	A - 4937 A - 5876	1	LO RANGE	K-3492 ,K-3497 ,K-3752
13	4303705	MAINSHAFT		1		
14	4301842	WASHER		1		K-3752
15	4301795	REDUCTION GEAR	4301794	1		
16	4300912	SPACER		1		K-3752
17	5556503	BEARING		1		K-3461 ,K-3462 ,K-3752
18	20191	ROTOR		1		
19	4302321	NUT		1		K-3327 ,K-3752 ,S-2889



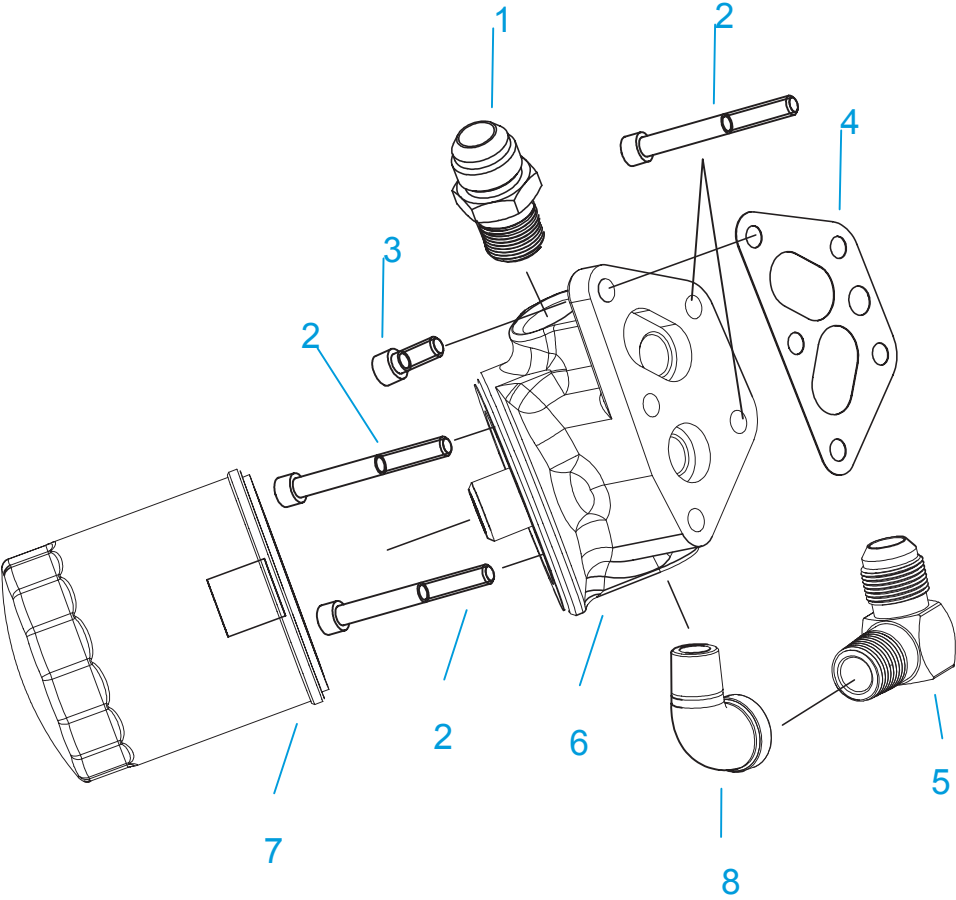
10337B-10-96

MAINSHAFT ASSY

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-2560	MAINSHAFT ASSY	4302658 ,4303403 ,S - 2268	1		
2	62504	ROLL PIN		1		S-2560
3	4304615	3-SIDED KEY	4300120	1		K-3752
4	14750	SNAP RING		1		K-3327 ,K-3461 ,K-3462 ,K-3752
5	16756	REVERSE GEAR-MAINSHAFT	22408	1		
6	4302047	SPACER		1		K-3327 ,K-3752
7	16118	SLIDING CLUTCH		2		
8	4303409	LO GEAR-MAINSHAFT	4303407	1		
9	4303603	WASHER	4302397	2		K-3327 ,K-3752
10	4304803	1ST GEAR-MAINSHAFT		1		
11	4304516	2ND GEAR-MAINSHAFT	4303699	1		
12	4304791	OD GEAR-MAINSHAFT		1		
13	4300382	WASHER .249-WHITE		1		K-3327 ,K-3752
14	4302398	WASHER		4		K-3327 ,K-3752
15	4304317	SLIDING CLUTCH	22026	1		K-3461 ,K-3752

MISCELLANEOUS

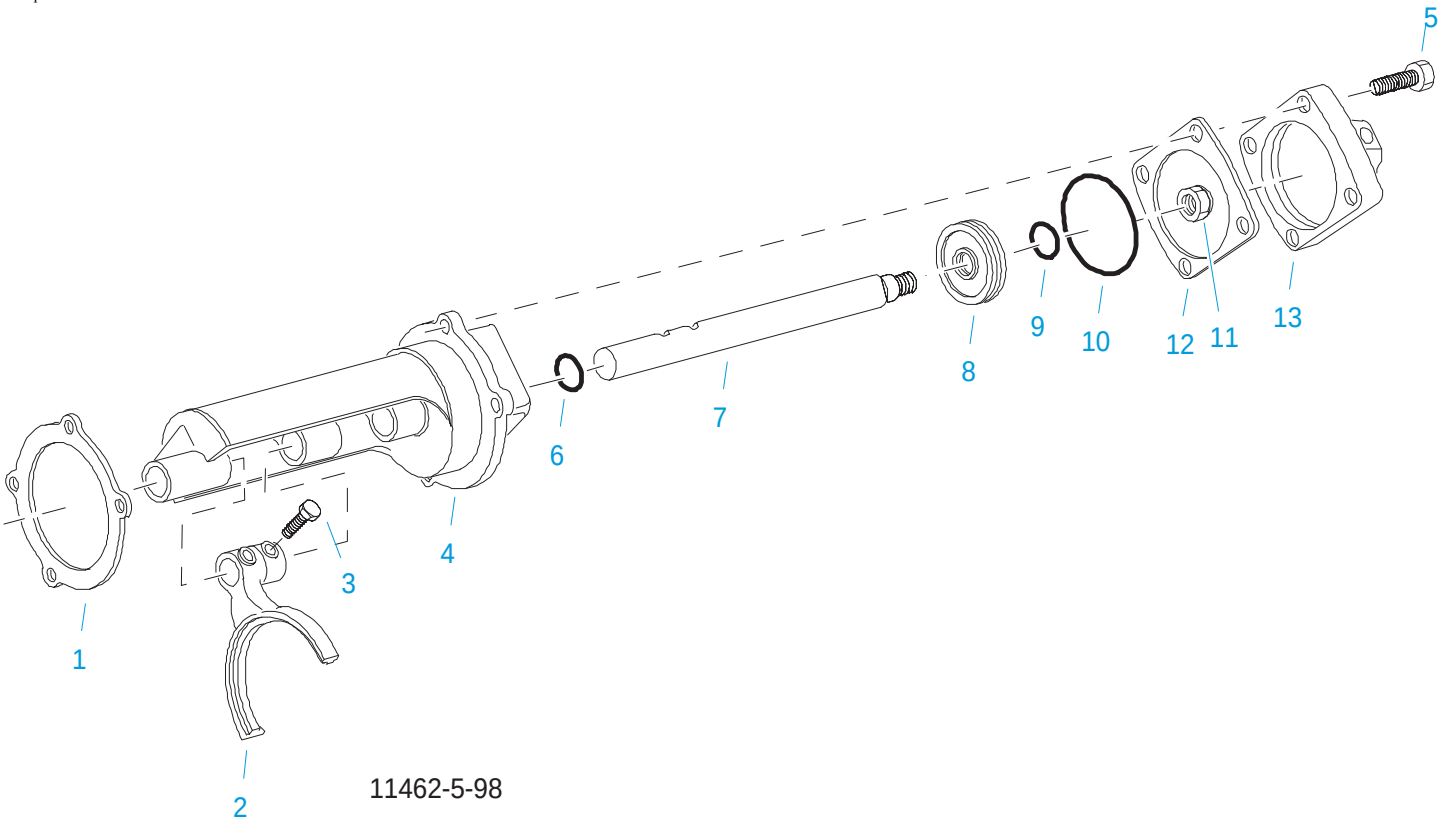
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
	71204	ADHESIVE SEALANT		1	0.5 CC (SINGLE APPLICATION SIZE)	
	71205	SEALANT		1	2 CC (SINGLE APPLICATION SIZE)	K-3461 ,K-3752
	21628	SHIFT DIAGRAM LABEL	4300591	1		
	71203	SILICONE LUBE		1	8 OZ (236.59 CC)-FLEET SIZE	
	71206	SILICONE LUBE		1	4 CC (SINGLE APPLICATION SIZE)	K-2428 ,K-2429 ,K-2978 ,K-3331 ,K-3341 ,K-3752



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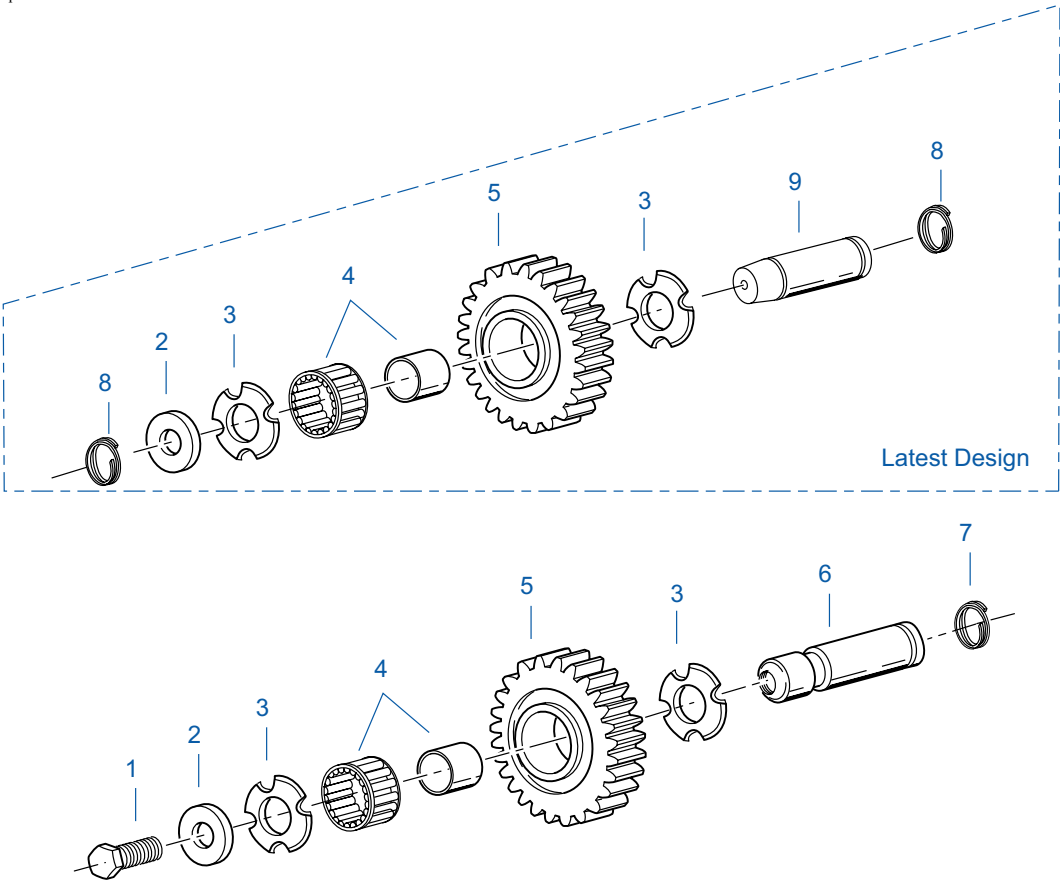
OIL FILTER

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	19419	CONNECTOR		1		K-3441
2	X-8-453	SCREW		4		K-3441
3	X-8-452	SCREW		1		K-3441
4	4304820	GASKET		1		K-3441 ,K-3458
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



RANGE CYLINDER

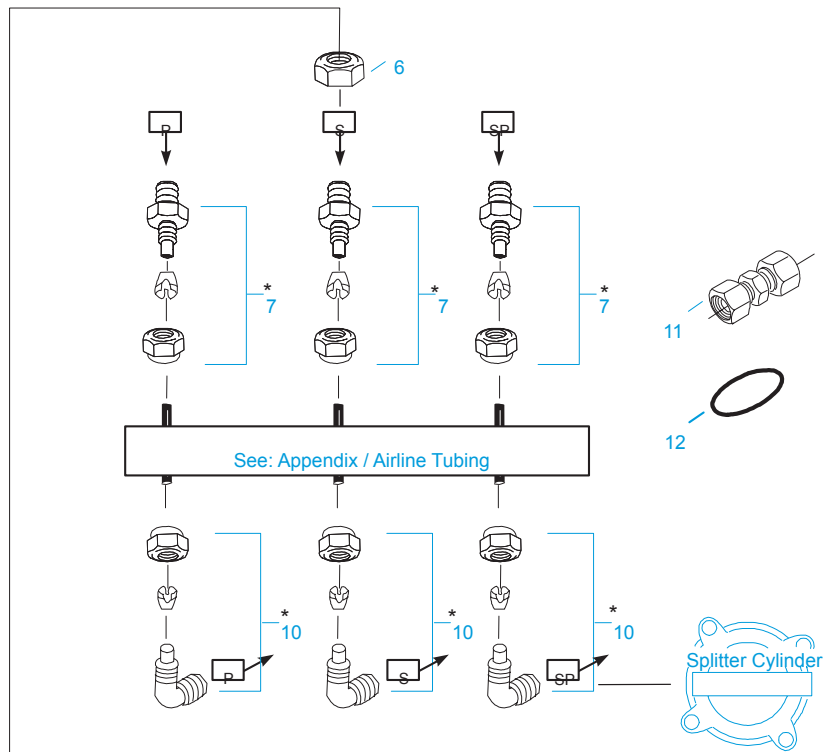
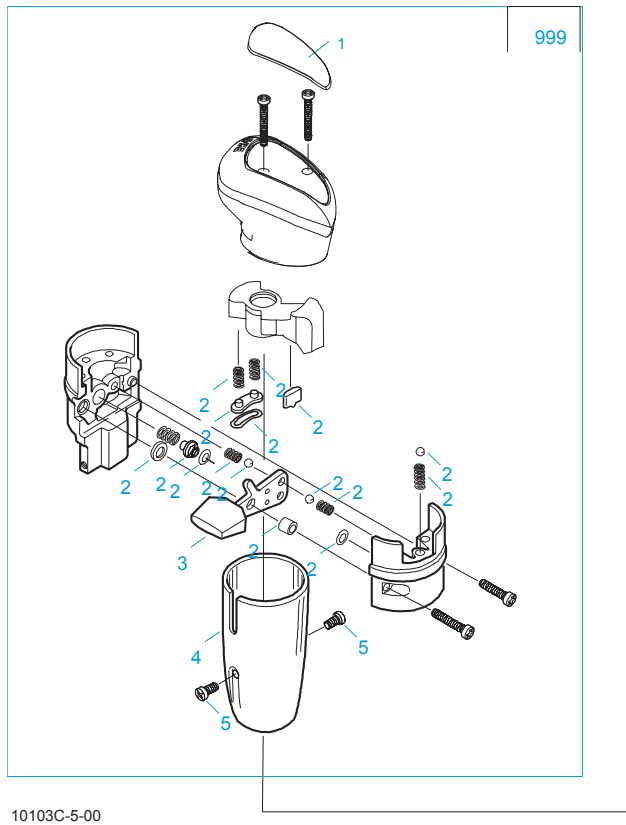
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	14347	GASKET		1		K-3288 ,K-3341
2	22823	SHIFT YOKE	16775	1		
3	X-7-809	BOLT	X 7 810 ,X 7 811	2	1/2"-20X1-3/4"	
4	A-6690	RANGE CYLINDER ASSY	4303595	1		
5	X-8L-607	CAPSCREW	X 8 607	4	3/8"-16X2-1/4"	
6	14765	-O- RING		1		K-3341
7	4303596	YOKE BAR		1		
8	14341	PISTON	23353	1		
9	14345	-O- RING		1		K-3341
10	14344	-O- RING		1		K-3341
11	X-1-1010	NUT		1	5/8"-18	K-3341
12	22826	GASKET		1		K-3288 ,K-3341
13	4303926	COVER		1		



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REVERSE IDLER

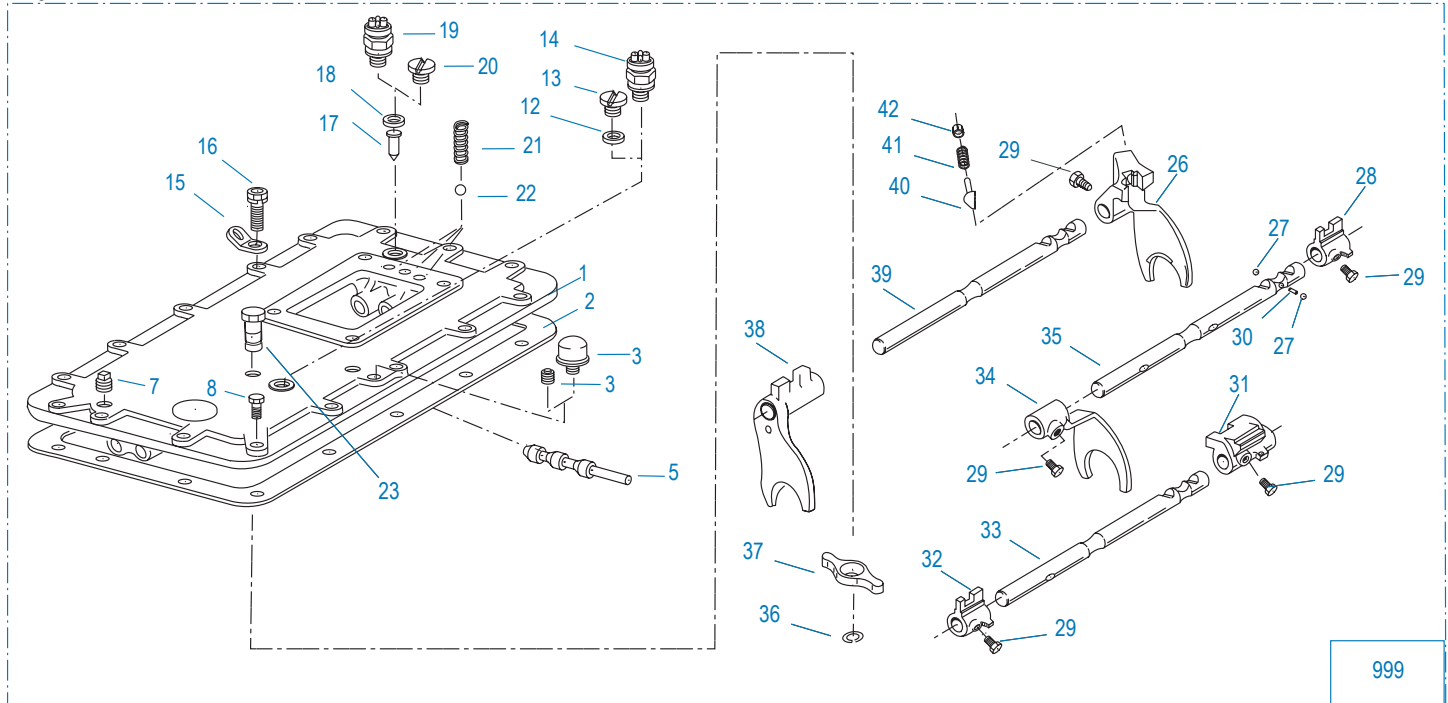
Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	X-7-1008	CAPSCREW		2	5/8"-18X1-1/4	
2	14283	IDLER PLATE		2		
3	4302982	WASHER	14282	4		K-3209 ,S-2406
4	14287	BEARING	4305020	2		
5	16757	REVERSE IDLER GEAR	22409	2		
6	K-3209	IDLER SHAFT REPL KIT	16405 ,4302981 ,4305513	2		
7	4303336	RETAINING RING		2		K-3209
8	4303336	RETAINING RING		4		K-3209
9	4305513	IDLER SHAFT		2		K-3209



*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-6918
1	5586114	SHIFT DIAGRAM MEDALLION		1	RTLO-W/SHIFT PATTERN	S-2588
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	1	8-32X3/8"	A-6918
6	X-9-802	NUT		1	1/2"-13	
7	84005	CONNECTOR ASSY		3	"PUSH-TO-CONNECT" 5/32" TUBE-1/16"NPTF	S-2588
7	84003	CONNECTOR ASSY	82503	3	5/32" TUBE-1/16"NPTF	
7	84001	CONNECTOR ASSY	82501	3	1/8" TUBE-1/16"NPTF	
10	85003	ELBOW ASSY		3	"PUSH-TO-CONNECT" 5/32" TUBE-1/8"NPTF	K-3331 ,K-3461 ,K-3752
10	85002	ELBOW ASSY	84502	3	1/8" TUBE-1/8"NPTF	
10	85001	ELBOW ASSY	84501	3	5/32" TUBE-1/8"NPTF	
11	84101	UNION ASSY		1	1/8" TUBING	
11	84103	UNION ASSY		1	"PUSH-TO-CONNECT" 5/32" TUBING	
11	84102	UNION ASSY		1	5/32" TUBING	
12	13571	-O- RING CLAMP		2		
999	A-6918	ROADRANGER VALVE ASSY	A - 5013	1	STANDARD-W/LOGO	
999	S-2588	ROADRANGER VALVE ASSY		1	RTLO-W/SHIFT PATTERN	

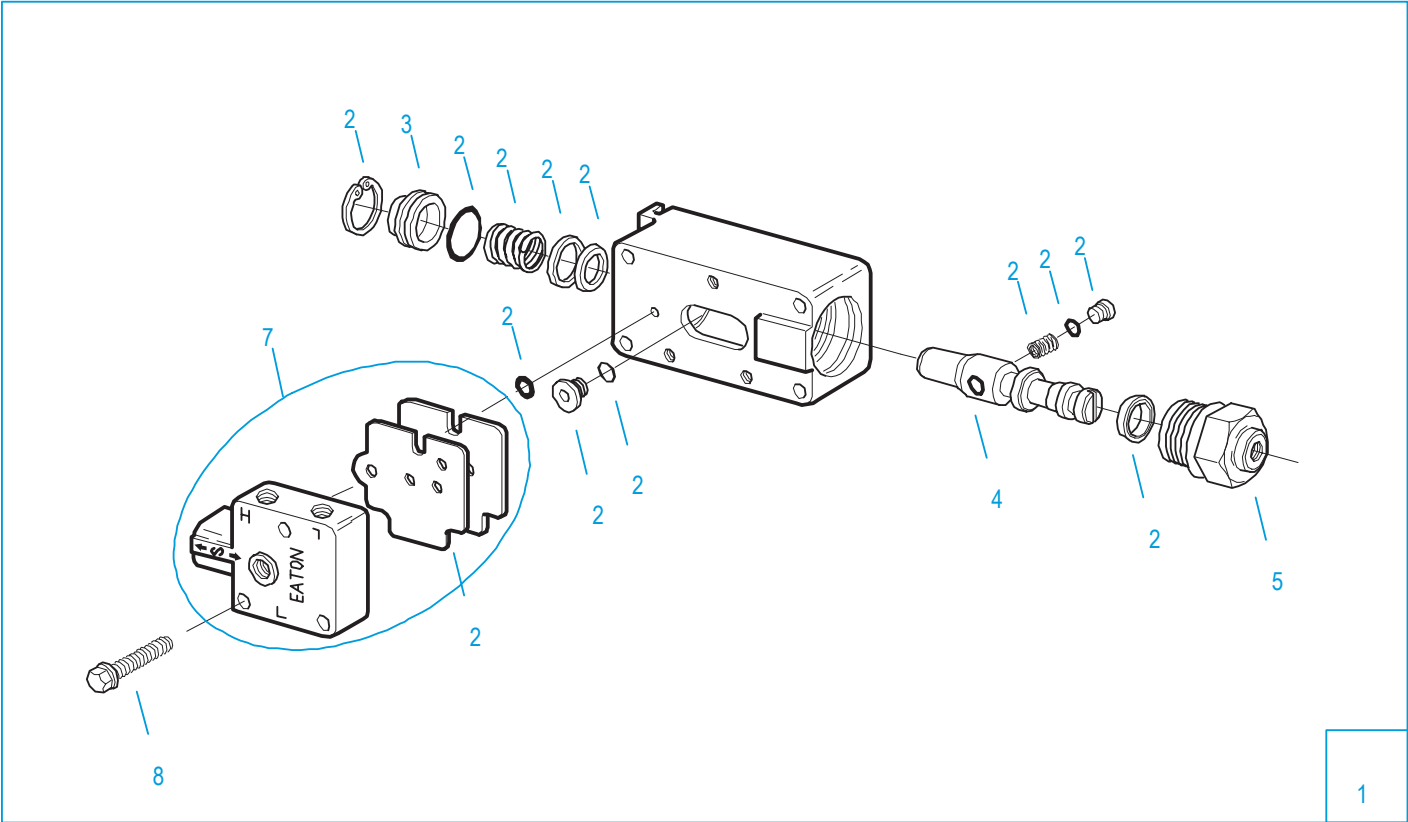


10245-1-01 X-Bar

SHIFT BAR HOUSING

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	S-2270	SHIFT BAR HSG	4302675	1	HOUSING ONLY (X)	
2	4302676	GASKET	14918	1		K-3458 ,S-2269 ,S-2270 ,S-2910 ,S-2911
3	4304602	BREATHER	23605	1	1/4" NPT	K-3750
3	X-12-404	PIPE PLUG		1	1/4" NPT	S-2269 ,S-2270 ,S-2910 ,S-2911
5	20332	AIR VALVE SHAFT	17177	1		S-2910 ,S-2911
7	X-12-603	PIPE PLUG	X12 602	1	3/8" NPT	S-2910 ,S-2911
8	X-8L-609	CAPSCREW		1	3/8"-16X1-3/4"	
12	17179	GASKET		1		S-2269 ,S-2270 ,S-2910 ,S-2911
13	4303655	PLUG	17178	1		S-2269 ,S-2270 ,S-2910 ,S-2911
14	22941	NEUTRAL LIGHT SWITCH	12639	1	SWITCH NORMALLY CLOSED	
15	20815	LIFTING EYE	17105	2		S-2887
16	X-8C-6109	CAPSCREW		2	3/8"-16X1-1/4" USE TO ATTACHED COOLER TO SHIFT BAR HOUSING	
16	X-8L-604	CAPSCREW		13	3/8"-16X1-1/4" OR USE 11 PCS OF X-8L-604 WITH 2 PCS OF X-8L-602	S-2887
16	X-8L-602	CAPSCREW		2	3/8"-16X1-1/2"	K-1927
17	15899	PIN		1		S-2269 ,S-2270 ,S-2910 ,S-2911
18	15900	GASKET		1		S-2269 ,S-2270 ,S-2910 ,S-2911
19	22940	REVERSE LIGHT SWITCH	16830	1	SWITCH NORMALLY OPEN	
20	4303656	PLUG	15917	1		S-2269 ,S-2270 ,S-2910 ,S-2911
21	15918	SPRING		3		K-3327 ,K-3459 ,K-3750 ,S-2910 ,S-2911
22	X-14-800	STEEL BALL		3	1/2"	K-3327 ,K-3750 ,S-2910 ,S-2911
23	K-3104	ACTUATOR PIN KIT	4303287	1		K-3750
26	16131	SHIFT YOKE		1	REVERSE/LO	S-1219 ,S-2910
27	X-14-1200	STEEL BALL		2	3/4"	S-2910 ,S-2911
28	14658	SHIFT BLOCK		1	1ST/2ND	S-2910
29	3220	LOCKSCREW		5		S-2910 ,S-2911
30	1634	INTERLOCK PIN		1		K-3327 ,S-2910 ,S-2911
31	19063	SHIFT BLOCK		1	3RD/OD	S-2910
32	20120	SHIFT BLOCK	18924	1	3RD/OD	S-2910 ,S-2911

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
33	18928	YOKE BAR	4302760	1	3RD/OD	S-2910
34	18922	SHIFT YOKE		1	1ST/2ND	S-2910 ,S-2911
35	18927	YOKE BAR		1	1ST/2ND	S-2910
36	4302070	SNAP RING		1		K-3104 ,S-2910 ,S-2911
37	4303225	ACTUATOR		1		S-2910 ,S-2911
38	4305575	SHIFT YOKE	20450	1	3RD/OD	K-3750 ,S-2910 ,S-2911
39	18926	YOKE BAR		1	REVERSE/LO	S-2910
40	10019	PLUNGER		1		S-1219 ,S-2910 ,S-2911
41	6392	SPRING		1		K-3327 ,S-1219 ,S-2910 ,S-2911
42	8968	PLUG		1		S-1219 ,S-2910 ,S-2911
999	S-2910	SHIFT BAR HSG ASSY	4302675	1	COMPLETE (RTLO)	

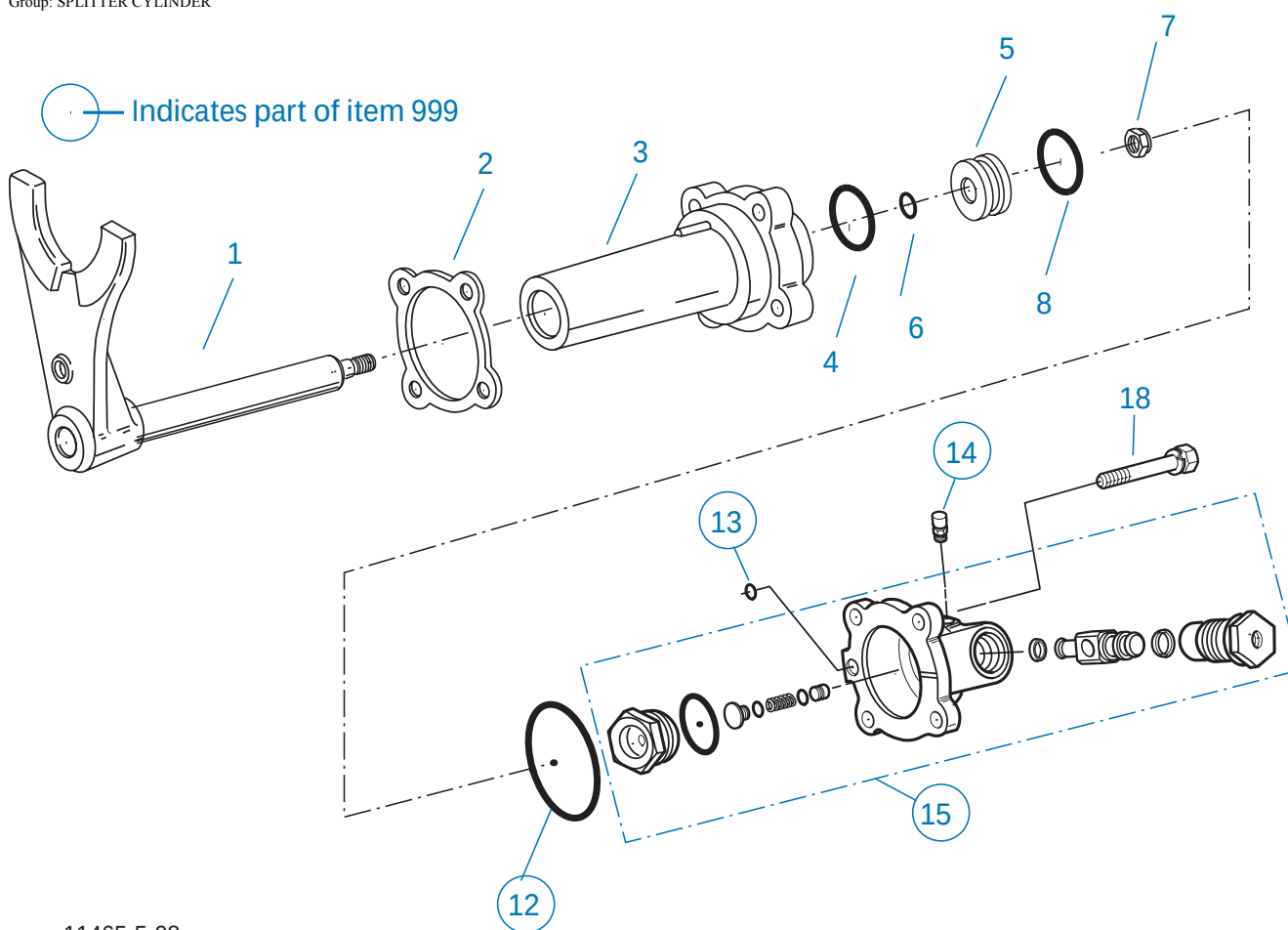


10120-10-97

2	Repair Kit
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SLAVE VALVE - A-5000

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	A-5000	SLAVE VALVE ASSY	20850	1		K-1963 ,K-2424
2	K-1935	REPAIR KIT-SLAVE VALVE		1	FOR A-5000 VALVE	
3	20855	PLUG		1		A-5000
4	20854	PISTON		1		A-5000
5	20849	CAP	15131	1		A-4688 ,A-5000
7	S-1516	CAP ASSY	20851 ,20853	1		
8	X-8C-413	CAPSCREW		3	1/4"-20X1-1/2"	A-5000



11465-5-98

SPLITTER CYLINDER

Item	Current Part	Description	Replaced Part	Qty.	Notes	Kits/Assys Where Needed
1	A-7012	SPLITTER YOKE ASSY	A - 6304 ,A - 6892	1		
2	4303583	GASKET		1		K-3593 ,K-3594
3	4303582	SPLITTER CYLINDER		1		
4	21208	-O- RING		1		K-3594
5	4301964	PISTON		1		
6	13653	-O- RING		1		K-3331 ,K-3594
7	X-1-805	NUT		1		
8	21209	-O- RING		1		K-3594
12	5568534	-O- RING		1		K-3331
13	13653	-O- RING		1		K-3331 ,K-3594
14	X2014210	BREATHER	7935	1		
15	K-3331	SPLITTER VLV REPL KIT	4300927 ,4304031 ,4304032 ,A - 6862	1		
18	X-8L-540	CAPSCREW		4	5/16"-18X1-7/8"	
999	K-3331	SPLITTER VLV REPL KIT	4300927 ,4304031 ,4304032 ,A - 6862	1		

Appendix



Air Line Tubing

Choosing nylon tubing for air lines

Use the following chart to specify the Eaton® Fuller® nylon tube appropriate to your vehicle's air system.

 5/32" Air Line and Harness Combinations			
Line Type	Line Color	Order Part No#	Length
Supply + Port	Red (S) + Black (P)	52601	50 ft
Splitter + Deep Reduction	Blue (SP) + Green (H/L)	52701	50 ft
Supply + Splitter + Port	Red(S)+Blue(SP)+ Black(P)	74601	50 ft

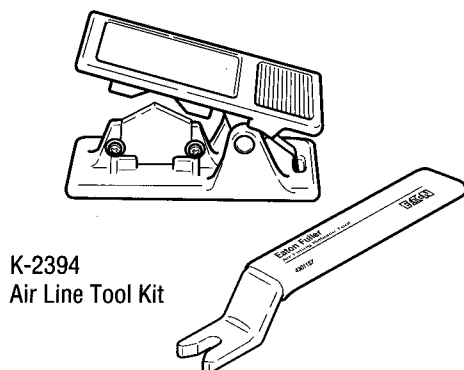
5/32" Air Lines			
Line Type	Line Color	Order Part No#	Length
Supply	Red (S)	75120	50 ft
Port	Black (P)	75320	50 ft
Splitter	Blue (SP)	75720	50 ft
Deep Reduction	Green (H/L)	75520	50 ft
Sheathing		80120	50 ft

1/8" Air Lines			
Line Type	Line Color	Order Part No#	Length
Supply	White	68526	50 ft
Port	Black	82013	50 ft
Sheathing		80000	50 ft

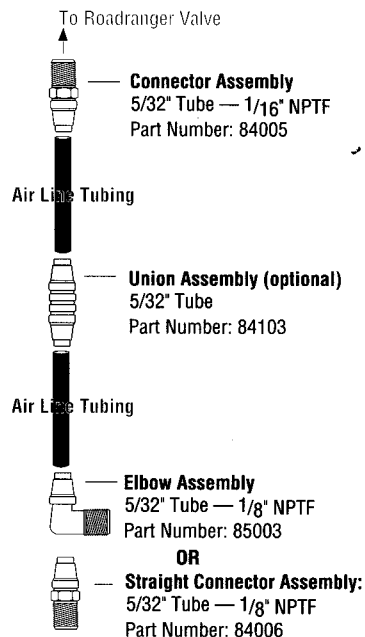
10650-1/92 AL Chart

Identifying fittings

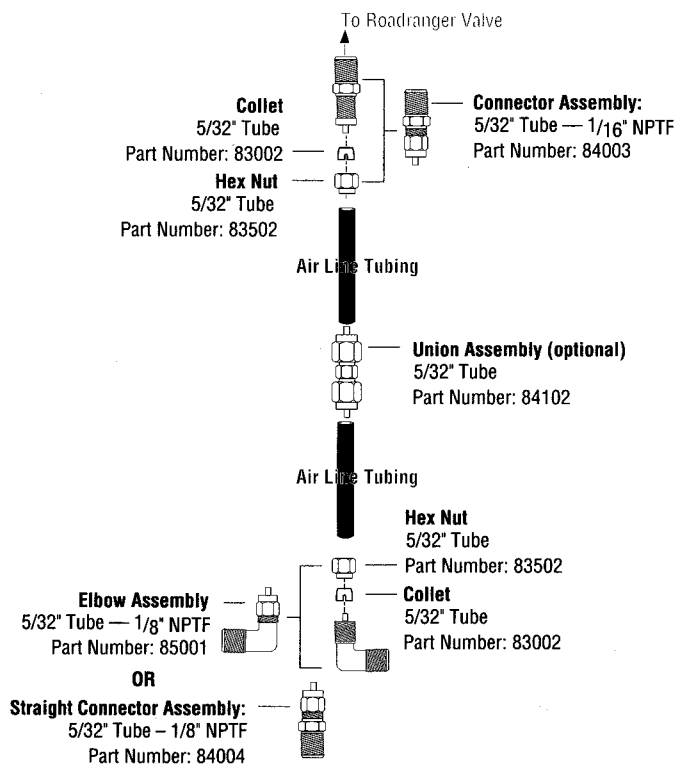
Fittings are available in 5/32" and 1/8" sizes as appropriate for vehicle air line sizes. 5/32" fittings are available as 'push to connect' or compression fittings. 1/8" fittings are available as compression fittings.



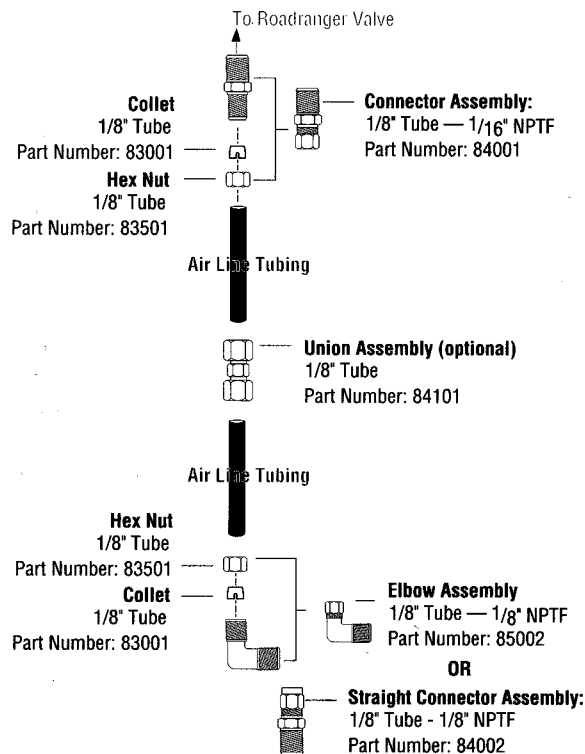
5/32" 'Push-to-Connect' Fittings

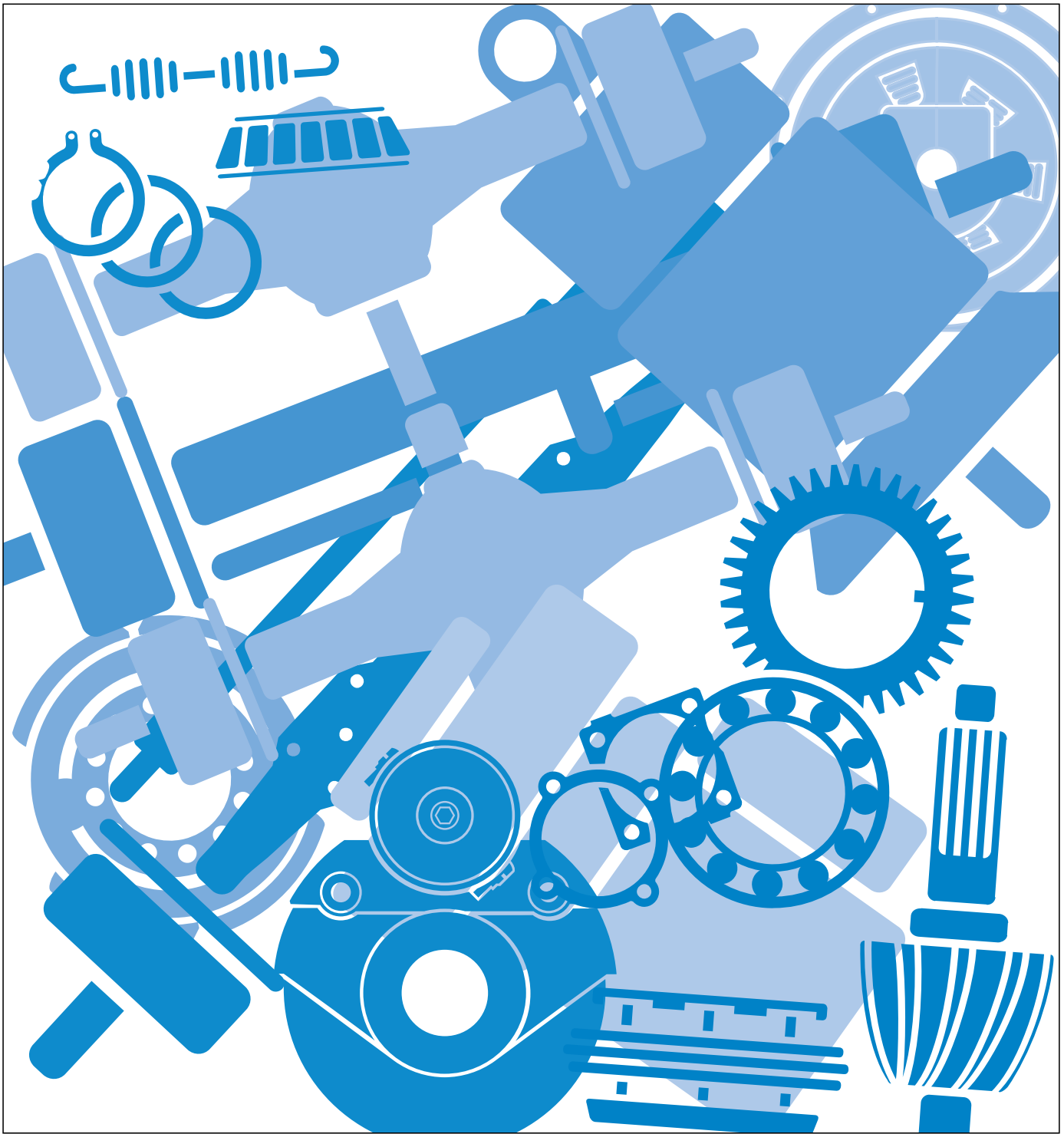


5/32" Compression Fittings



1/8" Compression Fittings





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