



**Roadranger®**

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# Illustrated Parts List

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**RTX-12609R**  
**July 2011**

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## How To Use The Illustrated Parts List

The information contained in this document is subject to frequent updates. Therefore, for the latest information available, please visit the interactive Electronic Parts Catalog at [www.roadranger.com/epc](http://www.roadranger.com/epc).

### Model Designation or Nomenclature

- For information regarding Model Designation and Nomenclature, visit [www.roadranger.com](http://www.roadranger.com).

### Kits and Assemblies (K/A's)

- Kits and Assemblies contain groups of individual or assembled parts developed for optimal replacement or repair of a service problem.
- Kits and Assemblies are shown with applicable parts groupings in the parts listings.

### Identifying Kits and Assemblies

A- Part numbers beginning with the letter 'A' are pre-assembled Production Assemblies

K- Part numbers beginning with the letter 'K' are kits that are not assembled

S- Part numbers beginning with the letter 'S' are pre-assembled Service Assemblies

- Note: Some Production Assemblies do not begin with a letter prefix (Midrange only).

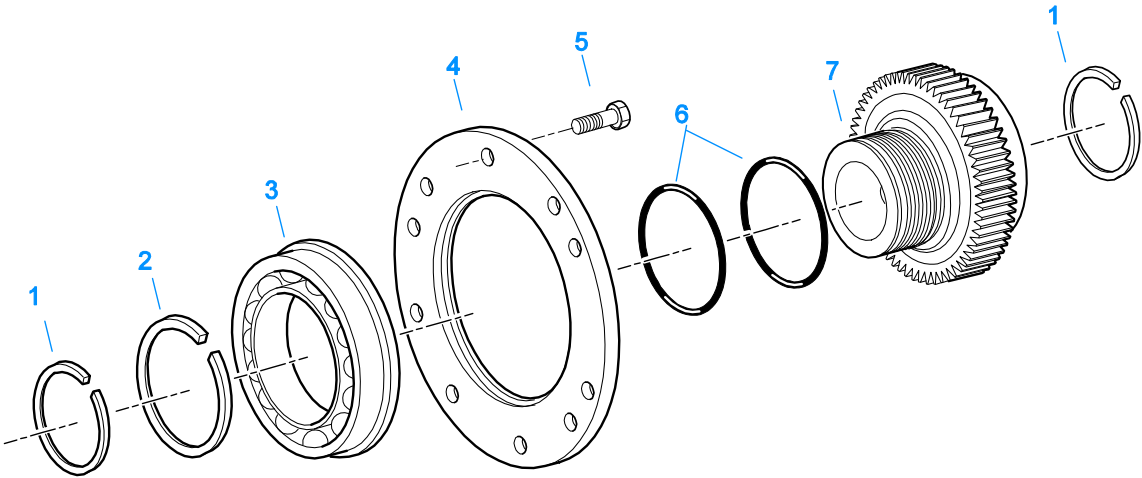
### Illustrations

- Illustrations show parts in assembly groups.
- Item numbers on illustrations correspond with parts listings on pages adjacent to the illustration.
- Notes are included on illustrations where additional information is needed.

### Parts Listing

Parts listings are defined by parts groupings and are broken down by service assemblies. Parts listings identify a part for servicing with the following categories

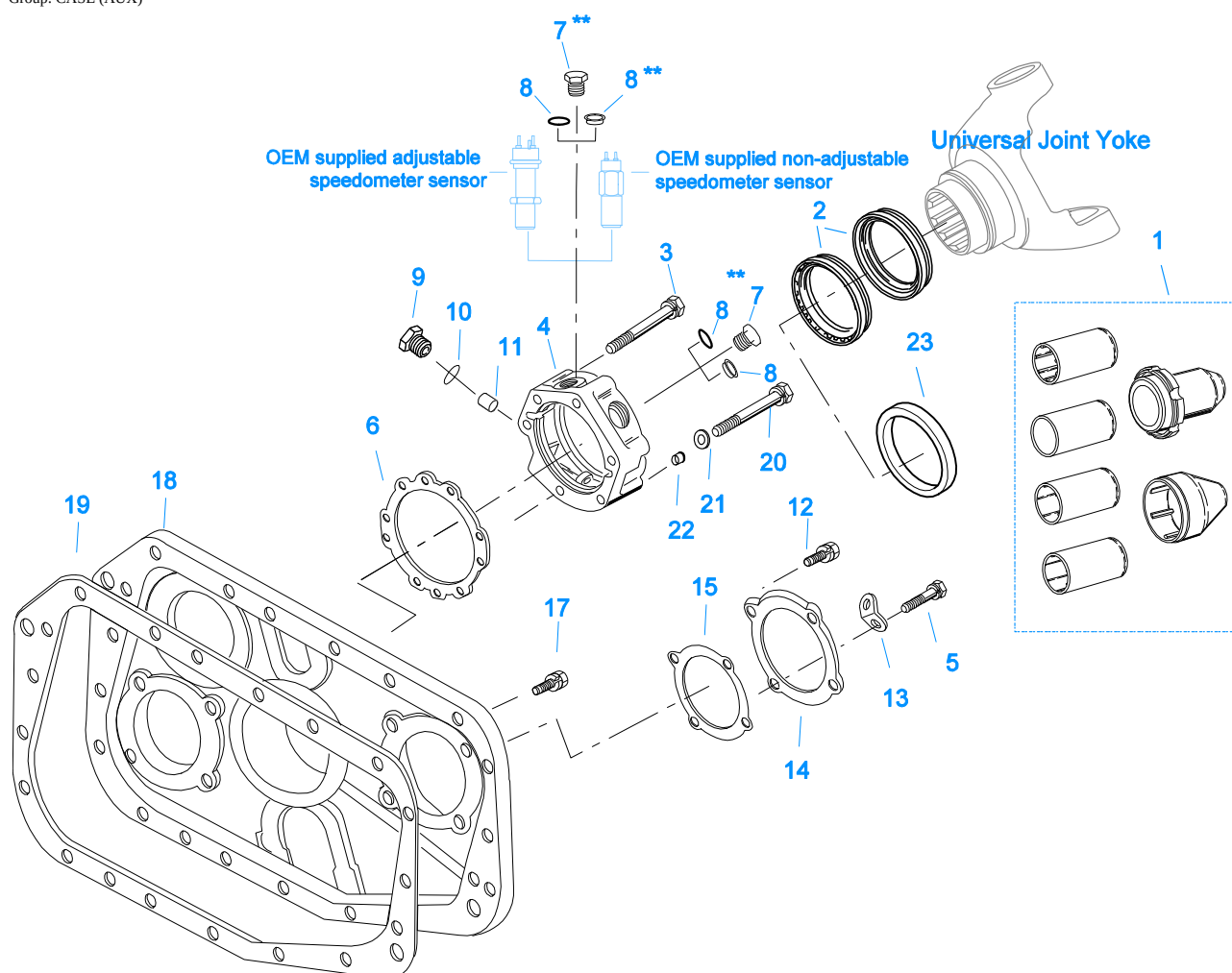
- **Item Number** - corresponding with numbers on illustrations for part identification.
- **Current Part** - identifies part as it is available for service.
- **Description** - specifies part name or description.
- **Replaced Part** - quantity quantity required for assembly.
- **Quantity** - defines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



10483-5/93 Aux DG

AUXILIARY DRIVE GEAR

| Item | Current Part | Description         | Replaced Part   | Qty. | Notes      | Kits/Assys Where Needed                                 |
|------|--------------|---------------------|-----------------|------|------------|---------------------------------------------------------|
| 1    | 16763        | SNAP RING           |                 | 2    |            | K-1790,K-2283,K-2345,K-2761,K-3155,K-3156,K-3157,K-3158 |
| 2    | 16628        | SNAP RING           |                 | 1    |            | K-1790                                                  |
| 3    | 5566507-BOX  | BEARING             | 5566504,5566507 | 1    |            | K-2283,K-2345,K-2761                                    |
| 4    | 16138        | BEARING RETAINER    |                 | 1    |            |                                                         |
| 5    | X-8-645      | CAPSCREW            | X 8 612         | 6    | 3/8"-16X1" |                                                         |
| 6    | 17453        | -O- RING            |                 | 2    |            | K-2283,K-2309,K-2311,K-2345,K-2761                      |
| 7    | K-2311       | REPL KIT-DRIVE GEAR | 19275 ,4300466  | 1    |            |                                                         |



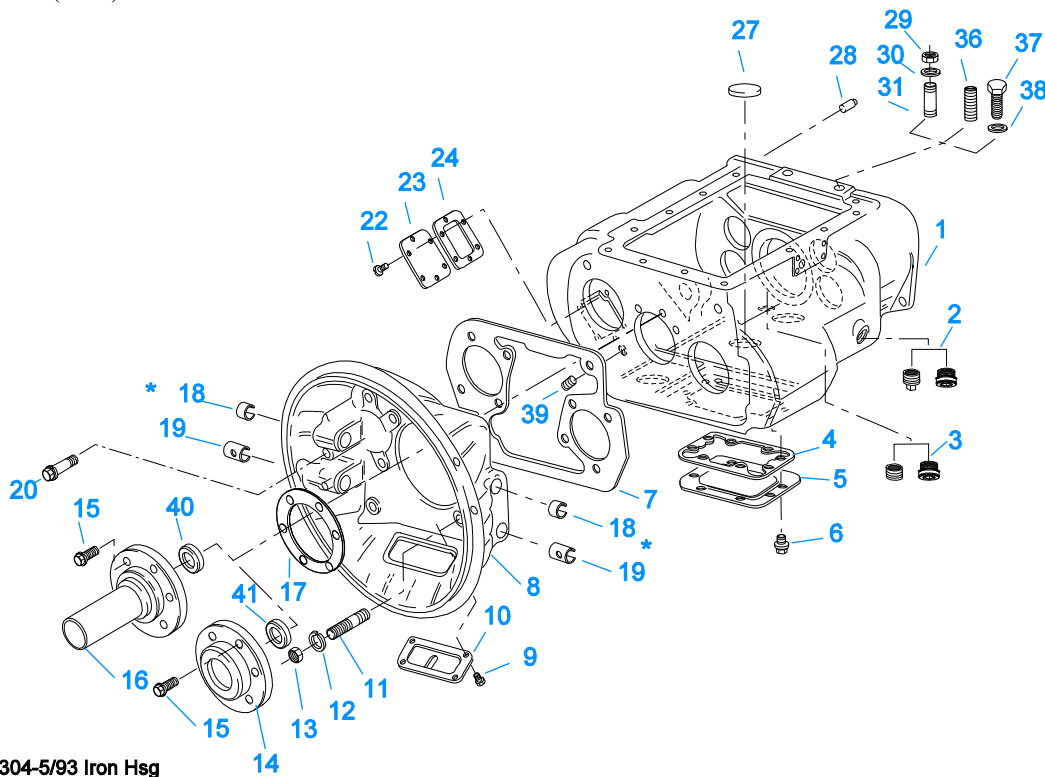
**\*\* Note — Items 7 & 8 / Magnetic Speedometer Openings:**  
 Use 13679 "O" ring w/ OEM supplied adjustable speedometer sensor  
 and 20225 "O" ring w/ OEM supplied non-adjustable speedometer sensor or Eaton part #20224 Plug

#### 10409-5-94 Aux Case

### CASE (AUX)

| Item | Current Part | Description         | Replaced Part                                          | Qty. | Notes                                                                | Kits/Assys Where Needed                   |
|------|--------------|---------------------|--------------------------------------------------------|------|----------------------------------------------------------------------|-------------------------------------------|
| 1    | K-3651       | OIL SEAL TOOL KIT   |                                                        | 1    |                                                                      |                                           |
| 2    | K-2262       | OIL SEAL W/SLINGER  | 19109 ,20807 ,20808                                    | 1    | "FOR MECHANICAL COVER"                                               |                                           |
| 3    | X-8L-605     | CAPSCREW            |                                                        | 5    | 3/8"-16X3" - USE W/S-2136 COVER                                      |                                           |
| 3    | X-8L-616     | CAPSCREW            | X 8 616                                                | 5    | 3/8"-16X2-3/4" - USE W/S-2149 COVER                                  |                                           |
| 4    | S-2136       | REAR BRG COVER ASSY | 21950 ,22040 ,22041 ,22042 ,4302006 ,4302007 ,S - 1563 | 1    | EXTENDED                                                             |                                           |
| 4    | S-2149       | REAR BRG COVER ASSY | 20208 ,21062                                           | 1    |                                                                      |                                           |
| 5    | X-8L-600     | CAPSCREW            |                                                        | 2    | 3/8"-16X1" - USE WITH 20815 LIFTING EYES                             |                                           |
| 6    | 15532        | GASKET              |                                                        | 1    |                                                                      | K-1603,K-2199,K-2256,K-2262,S-2136,S-2149 |
| 7    | 20224        | PLUG-MAGNETIC       |                                                        | 2    |                                                                      | S-1944,S-2099,S-2136,S-2149               |
| 8    | 13679        | -O- RING            |                                                        | 1    | USE W/OEM SUPPLIED ADJUSTABLE SPEEDOMETER SENSOR NOT TO BE USED WITH |                                           |

| Item | Current Part | Description        | Replaced Part       | Qty. | Notes                                                                                                                                               | Kits/Assys Where Needed                           |
|------|--------------|--------------------|---------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| 8    | 20225        | -O- RING           |                     | 2    | 4301954 SEAL<br>USE W/20224 PLUG OR OEM<br>SUPPLIED NON-ADJUSTABLE<br>SPEEDOMETER SENSOR NOT TO<br>BE USED WITH 4301954 SEAL<br>O-RING NOT REQUIRED |                                                   |
| 8    | 4301954      | SENSOR SEAL        |                     | 2    |                                                                                                                                                     | S-2136,S-2149                                     |
| 9    | 20226        | PLUG-MECHANICAL    | 2237                | 1    |                                                                                                                                                     | S-1944,S-2099,S-<br>2136,S-2149                   |
| 10   | 14142        | -O- RING           |                     | 1    |                                                                                                                                                     | S-1944,S-2099,S-<br>2136,S-2149                   |
| 11   | 7992         | BUSHING            |                     | 1    |                                                                                                                                                     | S-2136,S-2149                                     |
| 12   | X-8-686      | CAPSCREW           |                     | 6    | 3/8"-16X3/4"                                                                                                                                        |                                                   |
| 13   | 20815        | LIFTING EYE        | 17105               | 2    |                                                                                                                                                     |                                                   |
| 14   | 16724        | REAR BRG COVER     |                     | 2    |                                                                                                                                                     |                                                   |
| 15   | 17097        | GASKET             |                     | 2    |                                                                                                                                                     | K-1603,K-2199                                     |
| 17   | X-8L-609     | CAPSCREW           |                     | 14   | 3/8"-16X1-3/4"                                                                                                                                      |                                                   |
| 17   | X-8L-614     | CAPSCREW           |                     | 5    | 3/8"-16X2"                                                                                                                                          |                                                   |
| 18   | 19469        | REAR HOUSING       | 19465               | 1    |                                                                                                                                                     |                                                   |
| 19   | 14335        | GASKET             |                     | 1    |                                                                                                                                                     | K-1603,K-2199,S-<br>1944,S-2099                   |
| 20   | X-8-681      | CAPSCREW           |                     | 1    | 3/8"-16X2-3/4" - USE W/S-2149<br>COVER                                                                                                              |                                                   |
| 20   | X-8-682      | CAPSCREW           |                     | 1    | 3/8"-16X3" - USE W/S-2136 COVER                                                                                                                     |                                                   |
| 21   | 17106        | GASKET             |                     | 1    |                                                                                                                                                     | K-2199,K-2256,K-<br>2262,S-2136,S-2149            |
| 22   | 19709        | COLLAR             |                     | 1    |                                                                                                                                                     | K-1603,K-2199,K-<br>2256,K-2262,S-2136,S-<br>2149 |
| 23   | K-2262       | OIL SEAL W/SLINGER | 19109 ,20807 ,20808 | 1    | "FOR MECHANICAL COVER"                                                                                                                              |                                                   |



10304-5/93 Iron Hsg

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

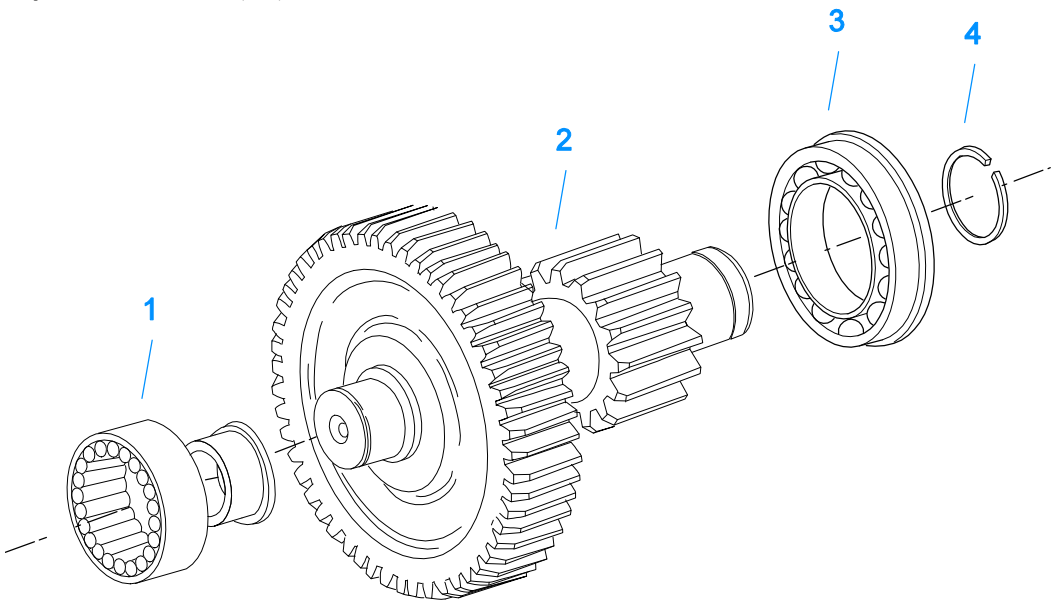
#2 Housing – Upper bore use 2 #12815 and 1 #8677 / Lower bore use 2 #8677.

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-1318       | CASE ASSY             | 15390                                            | 1    |                                          |                         |
| 1    | S-1519       | CASE ASSY             | 20500                                            | 1    | FOR USE W/INTEGRAL PUMP                  |                         |
| 2    | 4304023      | PLUG                  | 4303747                                          | 1    | 1-1/16" MAGNETIC, O-RING INCLUDED        | S-1318,S-1519           |
| 2    | X-12-2007    | PIPE PLUG             | X12 2006                                         | 1    |                                          |                         |
| 3    | 4304023      | PLUG                  | 4303747                                          | 1    | 1-1/16" MAGNETIC, O-RING INCLUDED        | S-1318,S-1519           |
| 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              | X 8 724                                          | 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                        |                         |
| 8    | A-4772       | CLUTCH HOUSING ASSY   | A - 4344 ,A - 4771                               | 1    | #2 PUSH-PULL ALUM.                       |                         |
| 8    | A-6064       | CLUTCH HOUSING ASSY   | A - 4342 ,A - 4770 ,A - 6062 ,A - 6063 ,A - 6065 | 1    | #1 PUSH-PULL ALUM.                       |                         |
| 9    | 239614       | SCREW                 | X-8L-509                                         | 4    | 5/16-18X.81 QUANTITY DEPENDENT ON DESIGN |                         |
| 10   | 14506        | HAND HOLE COVER       |                                                  | 1    | #2 PUSH                                  |                         |
| 10   | 14507        | HAND HOLE COVER       |                                                  | 1    | #2 PULL                                  |                         |
| 10   | 4305230      | HAND HOLE COVER       | 11453                                            | 1    | #1 PULL                                  |                         |
| 10   | 4305231      | HAND HOLE COVER       | 1565                                             | 1    | #1 PUSH                                  |                         |
| 11   | 4306583      | STUD                  | 5966                                             | 6    |                                          |                         |
| 12   | X-10-1005    | WASHER                | X 3 1000 ,X10 1000 ,X10 1004                     | 6    | 1.23 X 6.60                              |                         |
| 13   | X-1-1012     | HEX NUT               |                                                  | 6    | .625-18                                  |                         |
| 14   | 14267        | FRONT BRG. COVER      |                                                  | 1    | 1-3/4" PULL                              |                         |
| 14   | 15111        | FRONT BRG. COVER      |                                                  | 1    | 2" PULL                                  |                         |
| 14   | 18699        | FRONT BRG. COVER      |                                                  | 1    | 1-3/4" & 2" PULL W/SEAL                  |                         |
| 14   | 20550        | FRONT BRG COVER       |                                                  | 1    | 2" PULL                                  | K-2468,K-2761,K-4125    |

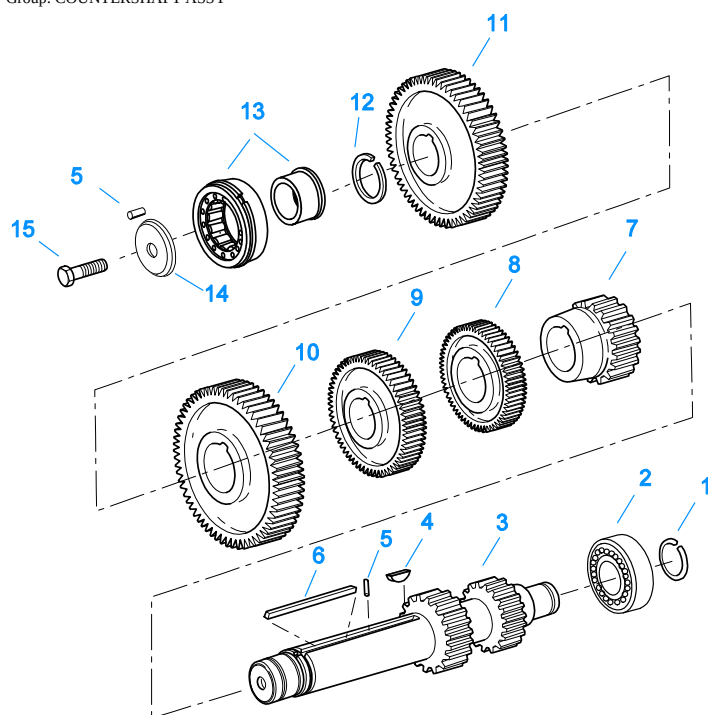
| Item | Current Part | Description                | Replaced Part                | Qty. | Notes                                                                        | Kits/Assys Where Needed            |
|------|--------------|----------------------------|------------------------------|------|------------------------------------------------------------------------------|------------------------------------|
| 14   | 20552        | FRONT BRG COVER            |                              | 1    | 1-3/4" PULL                                                                  | K-2345                             |
| 15   | X-8L-604     | CAPSCREW                   |                              | 6    | 3/8"-16X1-1/4" USE 6 PCS WITH PULL TYPE COVER USE 4 PCS WITH PUSH TYPE COVER |                                    |
| 15   | X-8L-619     | CAPSCREW                   |                              | 2    | 3/8"-16X1-1/4" - USE WITH PUSH TYPE COVER                                    |                                    |
| 16   | 14994        | FRONT BRG. COVER           |                              | 1    | 2" PUSH                                                                      |                                    |
| 16   | 15113        | FRONT BRG. COVER           |                              | 1    | 1-3/4" & 2" PUSH W/SEAL                                                      |                                    |
| 16   | 20549        | FRONT BRG COVER            |                              | 1    | 2" PUSH                                                                      |                                    |
| 16   | 20551        | FRONT BRG. COVER           |                              | 1    | 1-3/4" PUSH                                                                  |                                    |
| 16   | S-1478       | NO LONGER AVAILABLE        |                              | 1    | 1-3/4" PUSH                                                                  |                                    |
| 17   | 14311        | GASKET                     |                              | 1    |                                                                              | K-2199                             |
| 18   | 12815        | BUSHING                    |                              | 4    | FOR #1 HOUSING - UPPER                                                       | A-3713,A-3723,A-4772,A-6064,K-2468 |
| 18   | 12815        | BUSHING                    |                              | 2    | FOR #2 HOUSING - UPPER                                                       | A-3713,A-3723,A-4772,A-6064,K-2468 |
| 18   | 8677         | BUSHING                    |                              | 1    | FOR #2 HOUSING - UPPER                                                       | A-3713,A-3723,A-4772,A-6064        |
| 19   | 8677         | BUSHING                    |                              | 3    | FOR #1 AND #2 HOUSING - LOWER                                                | A-3713,A-3723,A-4772,A-6064        |
| 20   | X-8C-830     | HEX HEAD SCREW/WASHER ASSY | X-8C-826                     | 4    | .500-13 X 1.490, USE 2 PCS FOR IRON HOUSING, USE 4 PCS FOR ALUMINUM HOUSING  |                                    |
| 20   | X-8C-831     | HEX HEAD SCREW/WASHER ASSY | X-8C-822                     | 2    | .500-13 X 3.460, FOR IRON HOUSING                                            |                                    |
| 22   | X-8-686      | CAPSCREW                   |                              | 6    | 3/8"-16X3/4"                                                                 |                                    |
| 23   | 14575        | PTO COVER                  | 4302254                      | 1    |                                                                              | K-2199                             |
| 24   | 4305309      | GASKET                     | 1684                         | 1    |                                                                              | S-1318,S-1519                      |
| 27   | 14373        | MAGNET                     |                              | 3    |                                                                              |                                    |
| 28   | 14334        | DOWEL                      |                              | 2    |                                                                              |                                    |
| 29   | X-1-1012     | HEX NUT                    |                              | 2    | .625-18                                                                      |                                    |
| 30   | X-10-1005    | WASHER                     | X 3 1000 ,X10 1000 ,X10 1004 | 2    | 1.23 X 6.60                                                                  |                                    |
| 31   | 14554        | STUD                       | 1632 ,6579                   | 2    | 5/8" X 2-3/16"                                                               |                                    |
| 36   | 23104        | PLUG                       | 1712                         | 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   | 12581        | OIL SEAL                   |                              | 1    | USE W/15113 COVER ONLY                                                       |                                    |
| 41   | 16976        | SEAL                       |                              | 1    | 1-3/4"                                                                       |                                    |
| 41   | 16977        | SEAL                       |                              | 1    | 2"                                                                           |                                    |



10442-4/92 Aux CS

COUNTERSHAFT & BRGS(AUX)

| Item | Current Part | Description              | Replaced Part      | Qty. | Notes                   | Kits/Assys Where Needed            |
|------|--------------|--------------------------|--------------------|------|-------------------------|------------------------------------|
| 1    | 8879         | BEARING                  |                    | 2    |                         | K-2283,K-2345,K-2761,S-1944,S-2099 |
| 2    | A-5735       | WELDED COUNTERSHAFT ASSY | A - 4727 ,A - 5051 | 2    | C/S 4300326 - D/G 19276 |                                    |
| 3    | 81052        | BEARING                  | 81008              | 2    |                         | K-2283,K-2345,K-2761               |
| 4    | 16723        | SNAP RING                |                    | 2    |                         | K-1790,K-2283,K-2345,K-2761        |

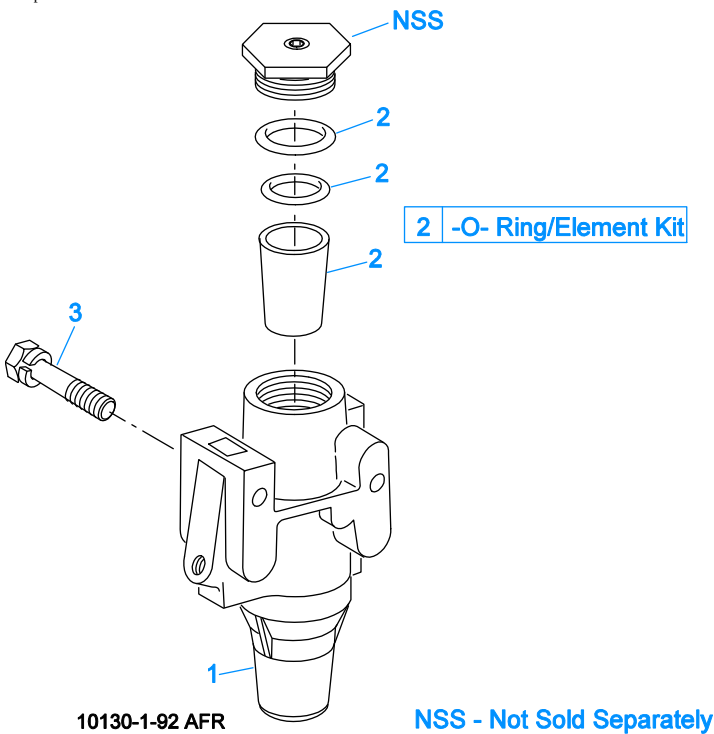


10341-1/92 CS/RT

## COUNTERSHAFT ASSY

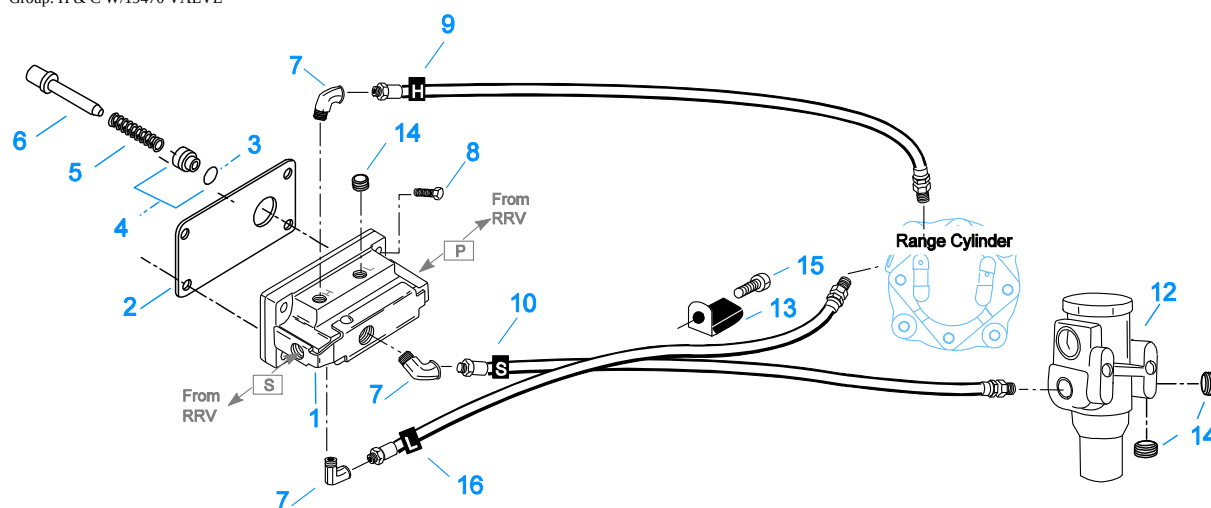
| Item | Current Part | Description         | Replaced Part                      | Qty. | Notes                              | Kits/Assys Where Needed     |
|------|--------------|---------------------|------------------------------------|------|------------------------------------|-----------------------------|
| 1    | 14317        | SNAP RING           |                                    | 2    |                                    | K-1790,K-2283,K-2345,K-2761 |
| 2    | 14366        | BEARING             |                                    | 2    |                                    | K-2283,K-2345,K-2761        |
| 3    | K-2934       | CNTRSHFT-W/REV & LO | 19549                              | 2    |                                    |                             |
| 4    | X-6-E        | KEY                 |                                    | 2    |                                    |                             |
| 5    | 62511        | ROLL PIN            |                                    | 4    |                                    |                             |
| 6    | 4304840      | KEY                 | 19673                              | 2    |                                    |                             |
| 7    | 21501        | 2ND GEAR-CNTRSHFT   | 21542                              | 2    |                                    |                             |
| 8    | 21499        | 3RD GEAR-CNTRSHFT   |                                    | 2    |                                    |                             |
| 9    | 22744        | OD GEAR-CNTRSHFT    | 22785                              | 2    |                                    |                             |
| 10   | 15953        | PTO GEAR - LOWER    |                                    | 1    |                                    |                             |
| 10   | 16390        | NO LONGER AVAILABLE |                                    | 2    | OPTIONAL IF PTO GEARS ARE NOT USED |                             |
| 10   | 20840        | PTO GEAR - UPPER    | 15952                              | 1    |                                    |                             |
| 11   | 4305657      | DRIVE GEAR-CNTRSHFT | 19240 ,19243 ,20392 ,4302087,21020 | 2    |                                    |                             |
| 12   | 19198        | SNAP RING           |                                    | 2    |                                    | K-2283,K-2345,K-2761        |
| 13   | 4304599      | BEARING             | 4302677 4304598                    | 2    |                                    | K-2283,K-2345,K-2761        |
| 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"       |                         |

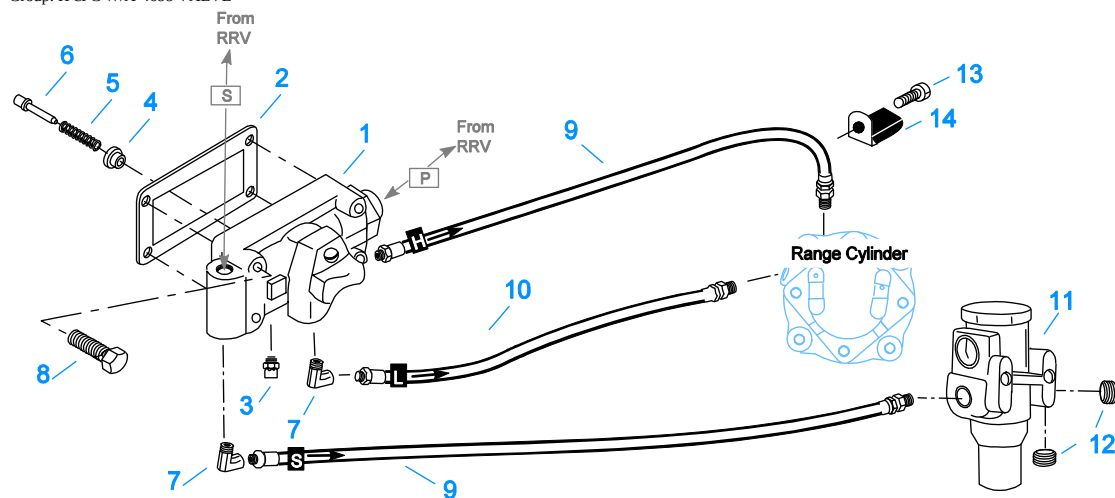


10111E-6/93 19470 HC

**H & C W/19470 VALVE**

| Item | Current Part | Description           | Replaced Part      | Qty. | Notes            | Kits/Assys Where Needed |
|------|--------------|-----------------------|--------------------|------|------------------|-------------------------|
| 1    | K-2424       | VALVE REPLACEMENT KIT | 19470              | 1    |                  |                         |
| 2    | 19481        | GASKET                |                    | 1    |                  | K-1963,K-2199,K-2424    |
| 3    | 19462        | -O- RING              | 14033              | 1    |                  | A-4688,K-1699,K-1969    |
| 4    | K-1969       | SLEEVE KIT            | 14362 19460 ,21446 | 1    | FOR SLAVE VALVES | K-1963                  |
| 5    | 21268        | SPRING                | 19572              | 1    |                  | K-1963                  |
| 6    | 20490        | PIN                   | 19459              | 1    |                  | K-1963                  |
| 7    | 12845        | ELBOW                 |                    | 3    | 1/8"             | K-1963                  |
| 8    | X-8C-401     | CAPSCREW              |                    | 4    | 1/4"-20X1-1/8"   |                         |
| 9    | 55522        | HOSE ASSY             |                    | 1    | 28"              |                         |
| 10   | 55523        | HOSE ASSY             |                    | 1    | 29"              | K-2033                  |
| 12   | A-4740       | FILTER/REGULATOR      | 19600              | 1    |                  |                         |
| 13   | 19779        | HOSE CLAMP            |                    | 1    |                  |                         |
| 14   | X-12-208     | PIPE PLUG             |                    | 3    | 1/8" NPT         |                         |
| 15   | X-8L-614     | CAPSCREW              |                    | 1    | 3/8"-16X2"       |                         |
| 16   | 55526        | HOSE ASSY             |                    | 1    | 26"              |                         |

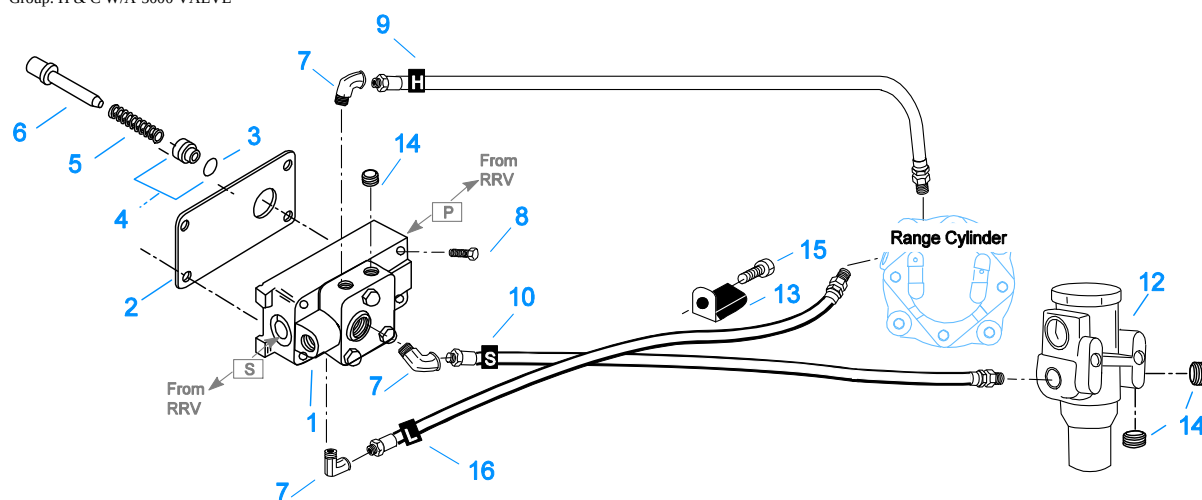
Group: H & C W/A-4688 VALVE



10112-5/93 A-4688 HC

## H & C W/A-4688 VALVE

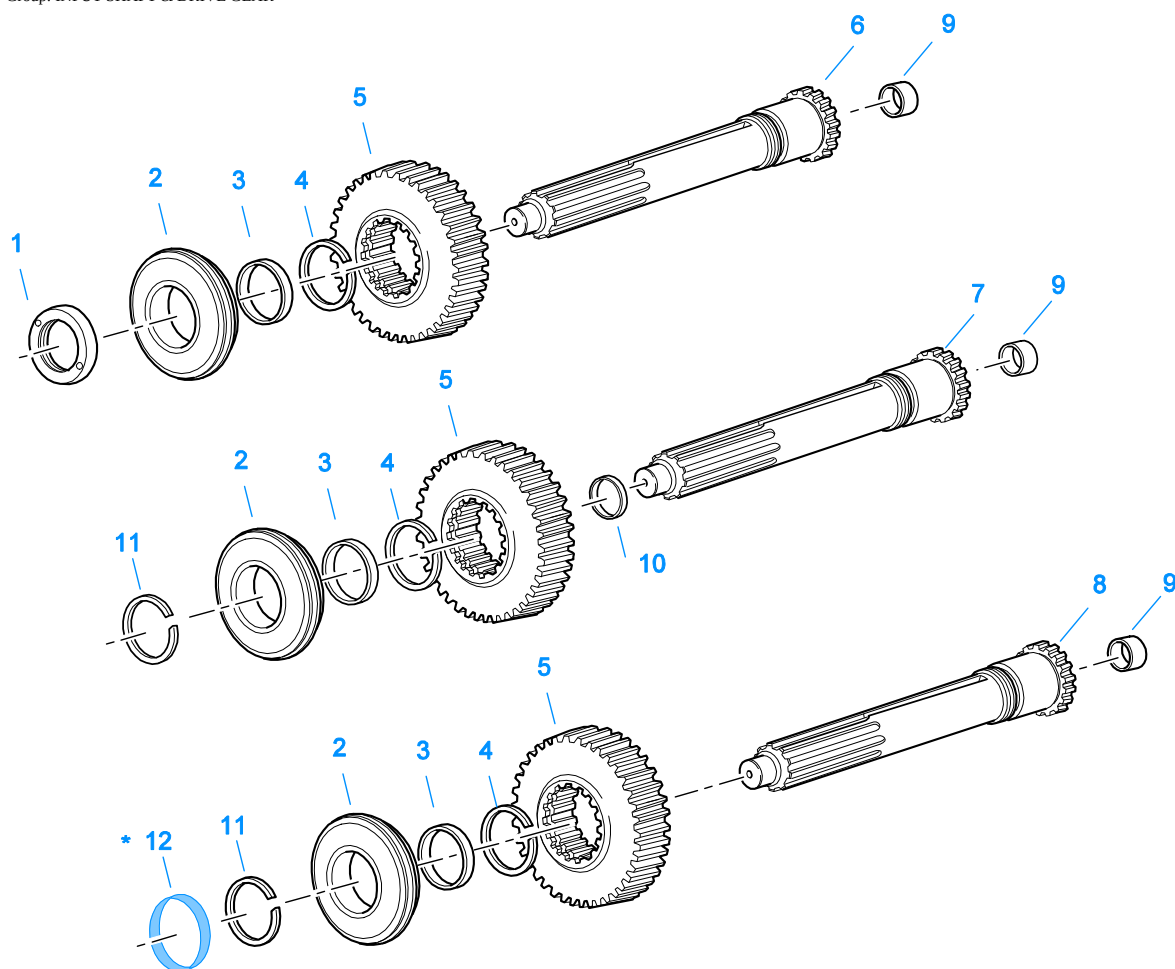
| Item | Current Part | Description      | Replaced Part          | Qty. | Notes            | Kits/Assys Where Needed            |
|------|--------------|------------------|------------------------|------|------------------|------------------------------------|
| 1    | A-4688       | SLAVE VALVE ASSY | 15125 ,19464 ,A - 3991 | 1    |                  |                                    |
| 2    | 15758        | GASKET           |                        | 1    |                  | K-1699,K-2199                      |
| 3    | X2014210     | BREATHER         | 7935                   | 1    |                  |                                    |
| 4    | K-1969       | SLEEVE KIT       | 14362 19460 ,21446     | 1    | FOR SLAVE VALVES | K-1963                             |
| 5    | 6392         | SPRING           |                        | 1    |                  | S-1219,S-1527,S-1528,S-1529,S-1531 |
| 6    | 14361        | PIN              |                        | 1    |                  |                                    |
| 7    | 12845        | ELBOW            |                        | 2    | 1/8"             | K-1963                             |
| 8    | X-8L-411     | CAPSCREW         | X 8 411                | 4    | 1/4"-20X1-3/4"   |                                    |
| 9    | 55522        | HOSE ASSY        |                        | 2    | 28"              |                                    |
| 10   | 55523        | HOSE ASSY        |                        | 1    | 29"              | K-2033                             |
| 11   | A-4740       | FILTER/REGULATOR | 19600                  | 1    |                  |                                    |
| 12   | X-12-208     | PIPE PLUG        |                        | 2    | 1/8" NPT         |                                    |
| 13   | X-8L-601     | CAPSCREW         |                        | 1    | 3/8"-16X3/4"     |                                    |
| 14   | 19779        | HOSE CLAMP       |                        | 1    |                  |                                    |



10110E-6-93 A-5000 HC

## H & C W/A-5000 VALVE

| Item | Current Part | Description      | Replaced Part      | Qty. | Notes            | Kits/Assys Where Needed |
|------|--------------|------------------|--------------------|------|------------------|-------------------------|
| 1    | A-5000       | SLAVE VALVE ASSY | 20850              | 1    |                  | K-1963,K-2424           |
| 2    | 19481        | GASKET           |                    | 1    |                  | K-1963,K-2199,K-2424    |
| 3    | 19462        | -O- RING         | 14033              | 1    |                  | A-4688,K-1699,K-1969    |
| 4    | K-1969       | SLEEVE KIT       | 14362 19460 ,21446 | 1    | FOR SLAVE VALVES | K-1963                  |
| 5    | 21268        | SPRING           | 19572              | 1    |                  | K-1963                  |
| 6    | 20490        | PIN              | 19459              | 1    |                  | K-1963                  |
| 7    | 12845        | ELBOW            |                    | 3    | 1/8"             | K-1963                  |
| 8    | X-8C-411     | CAPSCREW         |                    | 4    | 1/4"-20X1-3/4"   |                         |
| 9    | 55522        | HOSE ASSY        |                    | 1    | 28"              |                         |
| 10   | 55523        | HOSE ASSY        |                    | 1    | 29"              | K-2033                  |
| 12   | A-4740       | FILTER/REGULATOR | 19600              | 1    |                  |                         |
| 13   | 19779        | HOSE CLAMP       |                    | 1    |                  |                         |
| 14   | X-12-208     | PIPE PLUG        |                    | 3    | 1/8" NPT         |                         |
| 15   | X-8L-614     | CAPSCREW         |                    | 1    | 3/8"-16X2"       |                         |
| 16   | 55526        | HOSE ASSY        |                    | 1    | 26"              |                         |



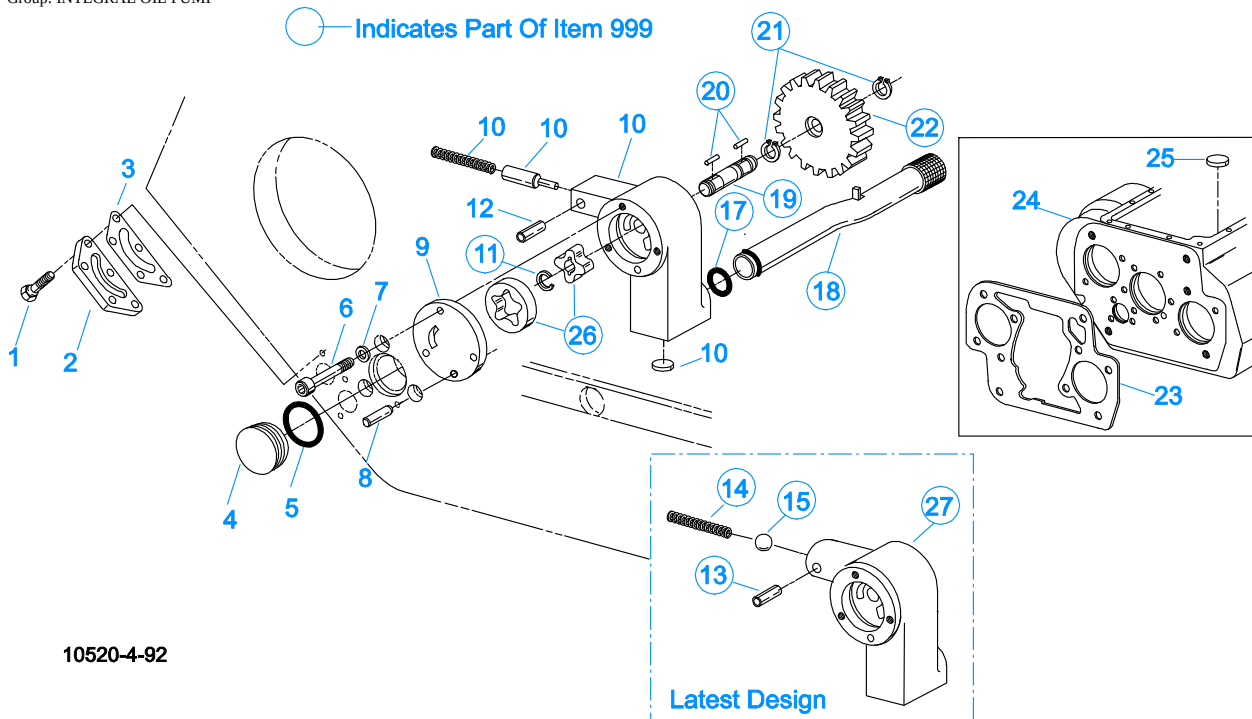
10372-5/93 IS (3)

\* For Shipping Only -- Do Not Replace

## INPUT SHAFT & DRIVE GEAR

| Item | Current Part | Description         | Replaced Part         | Qty. | Notes                                  | Kits/Assys Where Needed                   |
|------|--------------|---------------------|-----------------------|------|----------------------------------------|-------------------------------------------|
| 1    | 11466        | NUT                 |                       | 1    |                                        |                                           |
| 1    | 8858         | NUT                 |                       | 1    | PUSH                                   |                                           |
| 1    | 8997         | NUT                 |                       | 1    | PULL                                   |                                           |
| 2    | 81504        | BEARING             |                       | 1    |                                        | K-2283,K-2345,K-2468,K-2761,K-4125        |
| 3    | 16463        | SPACER              |                       | 1    |                                        |                                           |
| 4    | 14750        | SNAP RING           |                       | 1    |                                        | K-1790,K-2283,K-2345,K-2468,K-2761,K-4125 |
| 5    | 21021        | MAIN DRIVE GEAR     | 19241                 | 1    | USE W/16118 SL CLUTCH AND 14749 SPACER |                                           |
| 5    | 4305659      | MAIN DRIVE GEAR     | 22030 ,4302086,22028  | 1    | USE W/22026 SL CLUTCH AND 22032 SPACER |                                           |
| 6    | 19714        | NO LONGER AVAILABLE |                       | 1    | 1-3/4" PUSH - USE W/FBC 14370          |                                           |
| 6    | S-1128       | INPUT SHAFT         | 16465                 | 1    | 2" PULL - USE W/FBC 15111              |                                           |
| 6    | S-1129       | INPUT SHAFT         | 16466                 | 1    | 2" PUSH - USE W/FBC 14994              |                                           |
| 6    | S-1406       | INPUT SHAFT         | 19316                 | 1    | 1-3/4" PULL - USE W/FBC 14267          |                                           |
| 7    | S-1409       | INPUT SHAFT         | 18837                 | 1    | 2" PULL W/SEAL - USE W/FBC 18699       |                                           |
| 8    | S-1498       | INPUT SHAFT         | 20532                 | 1    | 1-3/4" PUSH - USE W/FBC 20551          |                                           |
| 8    | S-1504       | INPUT SHAFT         | 20538                 | 1    | 1-3/4" PULL - USE W/FBC 20552          |                                           |
| 8    | S-1659       | INPUT SHAFT         | 20535 ,23566 ,4302661 | 1    | 2" PULL - USE W/FBC 20550              | K-2468,K-2761,K-4125                      |
| 8    | S-1660       | INPUT SHAFT         | 20536 ,23567          | 1    | 2" PUSH - USE W/FBC 20549              |                                           |

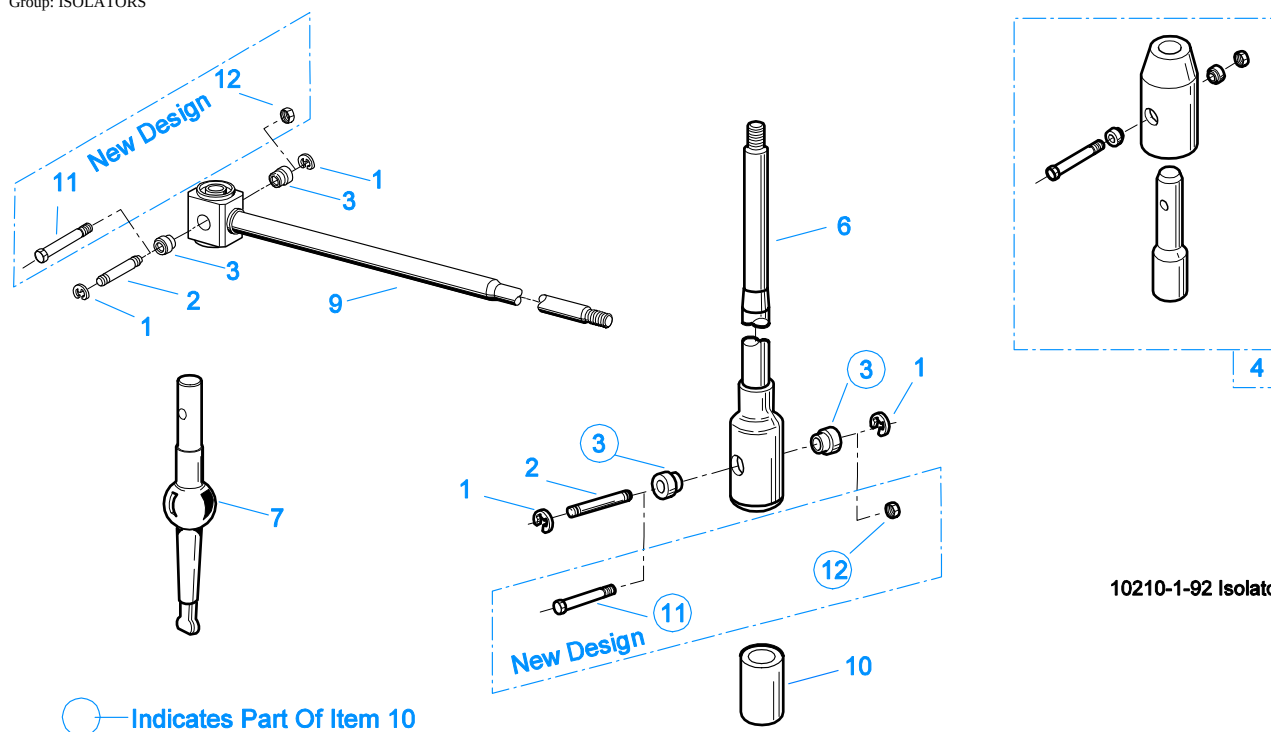
| Item | Current Part | Description   | Replaced Part | Qty. | Notes                | Kits/Assys Where Needed                                        |
|------|--------------|---------------|---------------|------|----------------------|----------------------------------------------------------------|
| 9    | 16566        | BUSHING       |               | 1    |                      | K-2283,S-1128,S-1129,S-1406,S-1409,S-1498,S-1504,S-1659,S-1660 |
| 10   | 16978        | SLEEVE        |               | 1    | 2" W/SEAL            | S-1409                                                         |
| 11   | 16980        | SNAP RING     |               | 1    |                      | K-2345,K-2468,K-2761,K-4125                                    |
| 12   | 23559        | SHIPPING SEAL |               | 1    | NOT SOLD FOR SERVICE |                                                                |



## INTEGRAL OIL PUMP

| Item | Current Part | Description       | Replaced Part                                                  | Qty. | Notes                                 | Kits/Assys Where Needed |
|------|--------------|-------------------|----------------------------------------------------------------|------|---------------------------------------|-------------------------|
| 1    | X-8C-409     | CAPSCREW          |                                                                | 5    | 1/4"-20X5/8" - USE WITH 4300751 COVER |                         |
| 1    | X-8C-430     | CAPSCREW          |                                                                | 5    | 1/4"-20X7/8" - USE WITH 20513 COVER   |                         |
| 2    | K-2402       | COVER & SCREW KIT | 20513 ,4300751                                                 | 1    |                                       | K-2402                  |
| 3    | 20514        | GASKET            |                                                                | 1    |                                       |                         |
| 4    | 20823        | PLUG              |                                                                | 1    |                                       |                         |
| 5    | 14765        | -O- RING          |                                                                | 1    |                                       | K-1431,K-1450           |
| 6    | X-8-448      | SCREW             | X 8 445                                                        | 3    | 1/4"-20X1-1/4"                        |                         |
| 7    | 20824        | WASHER            |                                                                | 3    |                                       | K-3367                  |
| 8    | 20825        | DOWEL PIN         |                                                                | 1    |                                       |                         |
| 9    | 4303107      | RETAINER          | 20510                                                          | 1    |                                       | S-1519                  |
| 10   | K-3367       | OIL PUMP KIT      | 4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173 | 1    |                                       |                         |
| 11   | 20518        | CRESCENT RING     |                                                                | 1    |                                       |                         |
| 12   | 62516        | ROLL PIN          | 62521                                                          | 1    |                                       |                         |
| 13   | 62514        | ROLL PIN          |                                                                | 1    |                                       |                         |
| 14   | K-3367       | OIL PUMP KIT      | 4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173 | 1    |                                       |                         |
| 15   | X-14-700     | STEEL BALL        |                                                                | 1    | 7/16"                                 |                         |
| 17   | 20225        | -O- RING          |                                                                | 1    |                                       |                         |
| 18   | 4305713      | SUCTION TUBE      | 4304628                                                        | 1    | O-RING INCLUDED ON SUCTION TUBE       | K-3367                  |
| 19   | 20508        | DRIVE SHAFT       |                                                                | 1    |                                       |                         |
| 20   | 20509        | KEY               |                                                                | 2    |                                       |                         |
| 21   | 14853        | SNAP RING         |                                                                | 2    |                                       |                         |
| 22   | 20511        | DRIVE GEAR        |                                                                | 1    |                                       |                         |
| 23   | 4306584      | CLUTCH HOUSING    | 4304815,4305668                                                | 1    |                                       | K-2199                  |
| 24   | S-1519       | CASE ASSY         | 20500                                                          | 1    | FOR USE W/INTEGRAL PUMP               |                         |
| 25   | 14373        | MAGNET            |                                                                | 3    |                                       | S-1318,S-1519           |
| 26   | 20507        | ELEMENT           |                                                                | 1    |                                       |                         |
| 27   | K-3367       | OIL PUMP KIT      | 4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A -      | 1    |                                       |                         |

| Item | Current Part | Description  | Replaced Part                                                                   | Qty. | Notes | Kits/Assys Where Needed |
|------|--------------|--------------|---------------------------------------------------------------------------------|------|-------|-------------------------|
| 999  | K-3367       | OIL PUMP KIT | 7173<br>4301829 ,4301948<br>,4303776 ,4304529<br>,4304572 A - 6963 ,A -<br>7173 | 1    |       |                         |



10210-1-92 Isolator

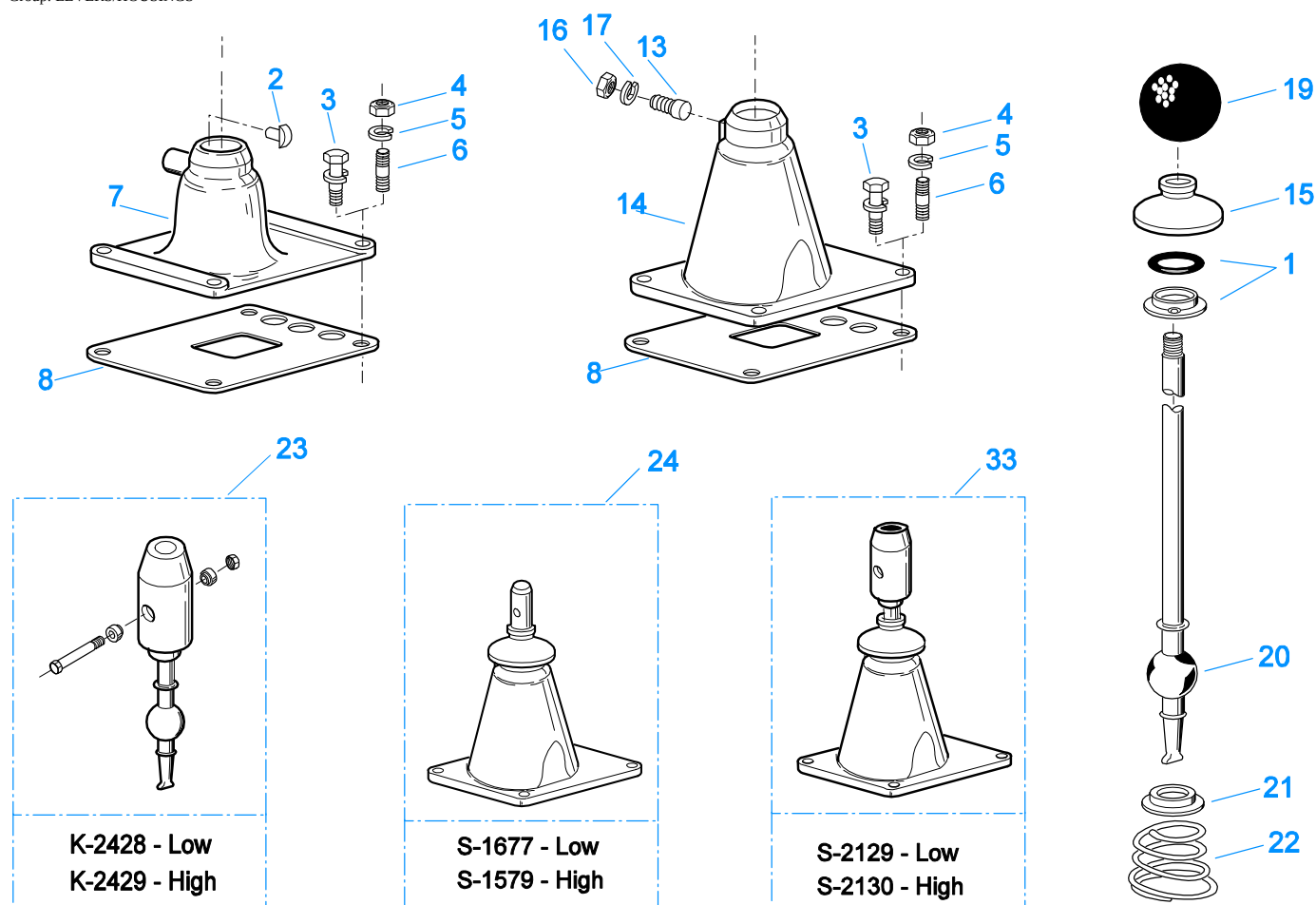
## ISOLATORS

| Item | Current Part | Description          | Replaced Part | Qty. | Notes           | Kits/Assys Where Needed                   |
|------|--------------|----------------------|---------------|------|-----------------|-------------------------------------------|
| 1    | 19124        | -E- RING             |               | 2    |                 |                                           |
| 2    | K-3467       | PIN REPLACEMENT KIT  | 21245         | 1    |                 |                                           |
| 3    | 21246        | BUSHING              |               | 2    |                 | K-2003,K-2428,K-2429,K-3399,S-2129,S-2130 |
| 4    | S-1794       | ISOLATOR ASSY        |               | 1    |                 |                                           |
| 6    | 21247        | LEVER                |               | 1    | STRAIGHT 18.67" |                                           |
| 7    | 21235        | STUB LEVER           |               | 1    | LOW TOWER       | K-2428,S-1677                             |
| 7    | 21236        | STUB LEVER           |               | 1    | HIGH TOWER      | K-2429,S-1579,S-2130                      |
| 9    | 21767        | 90 DEG LEVER         |               | 1    | STRAIGHT 33"    |                                           |
| 10   | K-3399       | ISOLATOR BUSHING KIT | 21244 ,23311  | 1    |                 |                                           |
| 11   | X-8-560      | SCREW                |               | 1    |                 |                                           |
| 12   | X-9-503      | NUT                  |               | 1    |                 |                                           |

## KITS & ASSEMBLIES

| Item   | Current Part | Description                                     | Replaced Part                                                  | Qty. | Notes                                                              | Kits/Assys Where Needed |
|--------|--------------|-------------------------------------------------|----------------------------------------------------------------|------|--------------------------------------------------------------------|-------------------------|
| K-1431 |              | RANGE CYL-KIT                                   |                                                                | 1    |                                                                    |                         |
| K-1450 |              | -O- RING KIT-RANGE                              |                                                                | 1    |                                                                    |                         |
| K-1476 |              | SHIFT LEVER HSG                                 | 4530 ,17163 ,18298 ,4304905 ,A - 4437                          | 1    | LOW TOWER                                                          |                         |
| K-1566 |              | VALVE REPAIR KIT                                |                                                                | 1    | FOR A-3546 VALVE                                                   |                         |
| K-1603 |              | GASKET KIT                                      |                                                                | 1    | FOR AUXILIARY SECTION                                              |                         |
| K-1613 |              | CAP REPLACEMENT KIT                             | 16429 ,18707                                                   | 1    | FOR A-4688 VALVE                                                   |                         |
| K-1698 |              | -O- RING/ELEMENT KIT                            |                                                                | 1    | FOR FILTER REGULATOR                                               |                         |
| K-1699 |              | REPAIR KIT-SLAVE VALVE                          |                                                                | 1    | FOR A-4688 VALVE                                                   |                         |
| K-1790 |              | SMALL PARTS KIT                                 |                                                                | 1    |                                                                    |                         |
| K-1921 |              | MASTER VALVE REPAIR KIT                         |                                                                | 1    | FOR A-6909 & A-5010 VALVES                                         |                         |
| K-1935 |              | REPAIR KIT-SLAVE VALVE                          |                                                                | 1    | FOR A-5000 VALVE                                                   |                         |
| K-1956 |              | COOLER INSTLN KIT                               |                                                                | 1    |                                                                    |                         |
| K-1963 |              | SLAVE VLV CONVERSION KI                         |                                                                | 1    | CONVERTS A-4688 TO A-5000 VALVE                                    |                         |
| K-1969 |              | SLEEVE KIT                                      | 14362 19460 ,21446                                             | 1    | FOR SLAVE VALVES                                                   | K-1963                  |
| K-2003 |              | PIN & BUSHING KIT                               |                                                                | 1    |                                                                    |                         |
| K-2010 |              | VALVE CONVERSION KIT                            |                                                                | 1    | FOR A-5010 VALVE                                                   |                         |
| K-2033 |              | CONVERSION KIT                                  |                                                                | 1    |                                                                    |                         |
| K-2199 |              | GASKET KIT                                      |                                                                | 1    |                                                                    | K-2283,K-2345,K-2761    |
| K-2256 |              | OIL SEAL KIT                                    | 14337 ,19109 ,21036                                            | 1    |                                                                    |                         |
| K-2262 |              | OIL SEAL W/SLINGER                              | 19109 ,20807 ,20808                                            | 1    | "FOR MECHANICAL COVER"                                             |                         |
| K-2283 |              | BASIC REBUILD KIT                               |                                                                | 1    |                                                                    |                         |
| K-2309 |              | REPL KIT-DRIVE GEAR                             | 19254 ,4300465                                                 | 1    | A-RATIO                                                            |                         |
| K-2311 |              | REPL KIT-DRIVE GEAR                             | 19275 ,4300466                                                 | 1    | B,P & R RATIOS                                                     |                         |
| K-2345 |              | BASIC OVERHAUL KIT                              |                                                                | 1    | 1-3/4" PULL TYPE                                                   |                         |
| K-2394 |              | AIR SYSTEMS TOOL KIT                            |                                                                | 1    |                                                                    |                         |
| K-2424 |              | VALVE REPLACEMENT KIT                           | 19470                                                          | 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-2761 |              | BASIC OVERHAUL KIT                              | K - 1742 ,K - 1974                                             | 1    | 2" PULL TYPE                                                       |                         |
| K-2934 |              | COUNTERSHAFT REPL KIT                           | 19549                                                          | 1    |                                                                    |                         |
| K-2966 |              | RETAINER KIT                                    | 19668 ,A - 4729                                                | 1    |                                                                    |                         |
| K-2973 |              | SHIFT LEVER HSG KIT                             | 17166 ,17167 ,4303050 ,4304910 ,K - 1630 K - 1941              | 1    | HIGH TOWER                                                         |                         |
| K-3155 |              | WASHER UPDATE KIT                               |                                                                | 1    | RT/F-12609A                                                        |                         |
| K-3156 |              | WASHER UPDATE KIT                               |                                                                | 1    | RT0/RTX/F-12609A                                                   |                         |
| K-3157 |              | WASHER UPDATE KIT                               |                                                                | 1    | RT0/RTX/F-12609B                                                   |                         |
| K-3158 |              | WASHER UPDATE KIT                               |                                                                | 1    | RTX/F-12609R                                                       |                         |
| K-3217 |              | IDLER SHAFT REPL KIT                            | 4302981                                                        | 1    |                                                                    |                         |
| K-3367 |              | OIL PUMP KIT                                    | 4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173 | 1    |                                                                    |                         |
| K-3399 |              | ISOLATOR BUSHING KIT                            | 21244 ,23311                                                   | 1    |                                                                    |                         |
| K-3467 |              | PIN REPLACEMENT KIT                             | 21245                                                          | 1    |                                                                    |                         |
| K-3491 |              | SYNCHRONIZER KIT                                | K - 2445                                                       | 1    | LO RANGE / SMALL PIN                                               |                         |
| K-3492 |              | SYNCHRONIZER KIT                                | K - 2446                                                       | 1    | LO RANGE / LARGE PIN                                               |                         |
| K-3494 |              | SYNCHRONIZER REPLACEMENT KIT                    | K - 2448                                                       | 1    | SLIDING CLUTCH INCLUDED IN KIT                                     |                         |
| K-3651 |              | OIL SEAL TOOL KIT                               |                                                                | 1    |                                                                    |                         |
| K-4125 |              | CLUTCH INSTALLATION KIT (RT), HYDRAULIC RELEASE |                                                                | 1    | STANDARD RT INPUT SHAFT AND YOKE FOR HYDRAULIC CLUTCH RELEASE      |                         |
| S-1128 |              | INPUT SHAFT                                     | 16465                                                          | 1    | 2" PULL                                                            |                         |
| S-1129 |              | INPUT SHAFT                                     | 16466                                                          | 1    | 2" PUSH                                                            |                         |

| Item | Current Part | Description              | Replaced Part                                                                                                                                                                                                                                                                             | Qty. | Notes                                       | Kits/Assys Where Needed         |
|------|--------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------|---------------------------------|
|      | S-1219       | YOKE ASSY LOW-REV        |                                                                                                                                                                                                                                                                                           | 1    |                                             |                                 |
|      | S-1318       | CASE ASSY                | 15390                                                                                                                                                                                                                                                                                     | 1    |                                             |                                 |
|      | S-1341       | MAINSHAFT ASSY           | 16761 ,18729                                                                                                                                                                                                                                                                              | 1    |                                             |                                 |
|      | S-1404       | OIL FILTER               | 17238                                                                                                                                                                                                                                                                                     | 1    |                                             |                                 |
|      | S-1406       | INPUT SHAFT              | 19316                                                                                                                                                                                                                                                                                     | 1    | 1-3/4" PULL                                 |                                 |
|      | S-1409       | INPUT SHAFT              | 18837                                                                                                                                                                                                                                                                                     | 1    | 2" PULL W/SEAL                              |                                 |
|      | S-1440       | SHIFT BAR HSG (STD)      | 15890 ,15928 ,16913<br>,17115 ,17180 17182<br>,17428 ,18571 ,18640<br>,18644 18840 ,18847<br>,19448 ,19449 ,19453<br>19454 ,19455 ,19605<br>,20074 ,20210 20211<br>,21133 ,22955 ,S - 1360<br>,S - 1364 S - 1376 ,S -<br>1377                                                             | 1    | HOUSING ONLY                                |                                 |
|      | S-1441       | SHIFT BAR HSG (F)        | 15891 ,16340 ,16564<br>,17114 ,17128 17181<br>,17218 ,17492 ,17577<br>,17900 18203 ,18436<br>,18642 ,18646 ,18886<br>19159 ,19450 ,19451<br>,19456 ,19457 19458<br>,19717 ,19956 ,20072<br>,20212 20213 ,21134<br>,22956 ,S - 1106 ,S -<br>1361 S - 1370 ,S - 1374<br>,S - 1375 ,S - 1378 | 1    | HOUSING ONLY                                |                                 |
|      | S-1445       | SHIFT BAR HSG (X)        | 18920 ,20135 ,20214<br>,20215 ,20487 21135<br>,4302452                                                                                                                                                                                                                                    | 1    | HOUSING ONLY (X)                            |                                 |
|      | S-1446       | SHIFT BAR HSG (XF)       | 18925 ,20136 ,20216<br>,20217 ,20488 21136 ,S -<br>1361                                                                                                                                                                                                                                   | 1    | HOUSING ONLY (XF)                           |                                 |
|      | S-1498       | INPUT SHAFT              | 20532                                                                                                                                                                                                                                                                                     | 1    | 1-3/4" PUSH                                 |                                 |
|      | S-1504       | INPUT SHAFT              | 20538                                                                                                                                                                                                                                                                                     | 1    | 1-3/4" PULL                                 |                                 |
|      | S-1516       | CAP ASSY                 | 20851 ,20853                                                                                                                                                                                                                                                                              | 1    |                                             |                                 |
|      | S-1519       | CASE ASSY                | 20500                                                                                                                                                                                                                                                                                     | 1    | FOR USE W/INTEGRAL PUMP                     |                                 |
|      | S-1527       | SHIFT BAR HSG ASSY (X)   | 20215 ,21135 ,4302452                                                                                                                                                                                                                                                                     | 1    | COMPLETE (X)                                |                                 |
|      | S-1528       | SHIFT BAR HSG ASSY (XF)  | 20217 ,21136                                                                                                                                                                                                                                                                              | 1    | COMPLETE (XF)                               |                                 |
|      | S-1529       | SHIFT BAR HSG ASSY (F)   | 20213 ,22956                                                                                                                                                                                                                                                                              | 1    | COMPLETE                                    |                                 |
|      | S-1531       | SHIFT BAR HSG ASSY (STD) | 20211 ,22955                                                                                                                                                                                                                                                                              | 1    | COMPLETE                                    |                                 |
|      | S-1659       | INPUT SHAFT              | 20535 23566 4302661                                                                                                                                                                                                                                                                       | 1    | 2" PULL - USE W/FBC 20550                   | K-2468,K-2761,K-4125            |
|      | S-1660       | INPUT SHAFT              | 20536 ,23567                                                                                                                                                                                                                                                                              | 1    | 2" PUSH - USE W/FBC 20549                   |                                 |
|      | S-1794       | ISOLATOR ASSY            |                                                                                                                                                                                                                                                                                           | 1    |                                             |                                 |
|      | S-1944       | RANGE SECTION ASSY       |                                                                                                                                                                                                                                                                                           | 1    | B,P & R RATIOS                              |                                 |
|      | S-1944R      | REMAN RANGE SECTION ASSY |                                                                                                                                                                                                                                                                                           | 1    | B,P & R RATIOS                              |                                 |
|      | S-2099       | RANGE SECTION ASSY       |                                                                                                                                                                                                                                                                                           | 1    | A-RATIO                                     |                                 |
|      | S-2129       | SHIFT LEVER HSG ASSY     |                                                                                                                                                                                                                                                                                           | 1    | LOW TOWER                                   |                                 |
|      | S-2130       | SHIFT LEVER HSG ASSY     | S - 2053                                                                                                                                                                                                                                                                                  | 1    | HIGH TOWER                                  |                                 |
|      | S-2136       | REAR BRG COVER ASSY      | 21950 ,22040 ,22041<br>,22042 ,4302006<br>4302007 ,S - 1563                                                                                                                                                                                                                               | 1    | EXTENDED                                    |                                 |
|      | S-2149       | REAR BRG COVER ASSY      | 20208 ,21062                                                                                                                                                                                                                                                                              | 1    |                                             |                                 |
|      | S-2540       | ROADRANGER VALVE ASSY    | A - 5037                                                                                                                                                                                                                                                                                  | 1    | RT - W/SHIFT DIAGRAM<br>MEDALLION           |                                 |
|      | S-2541       | ROADRANGER VALVE ASSY    | A - 5040                                                                                                                                                                                                                                                                                  | 1    | RTO - W/SHIFT DIAGRAM<br>MEDALLION          |                                 |
|      | S-2542       | ROADRANGER VALVE ASSY    | A - 5185                                                                                                                                                                                                                                                                                  | 1    | P & R RATIO (9 SPEEDS)-W/SHIFT<br>MEDALLION |                                 |
|      | S-2688       | MAINSHAFT ASSY           | 4303404 4303913                                                                                                                                                                                                                                                                           | 1    |                                             | K-3155,K-3156,K-<br>3157,K-3158 |

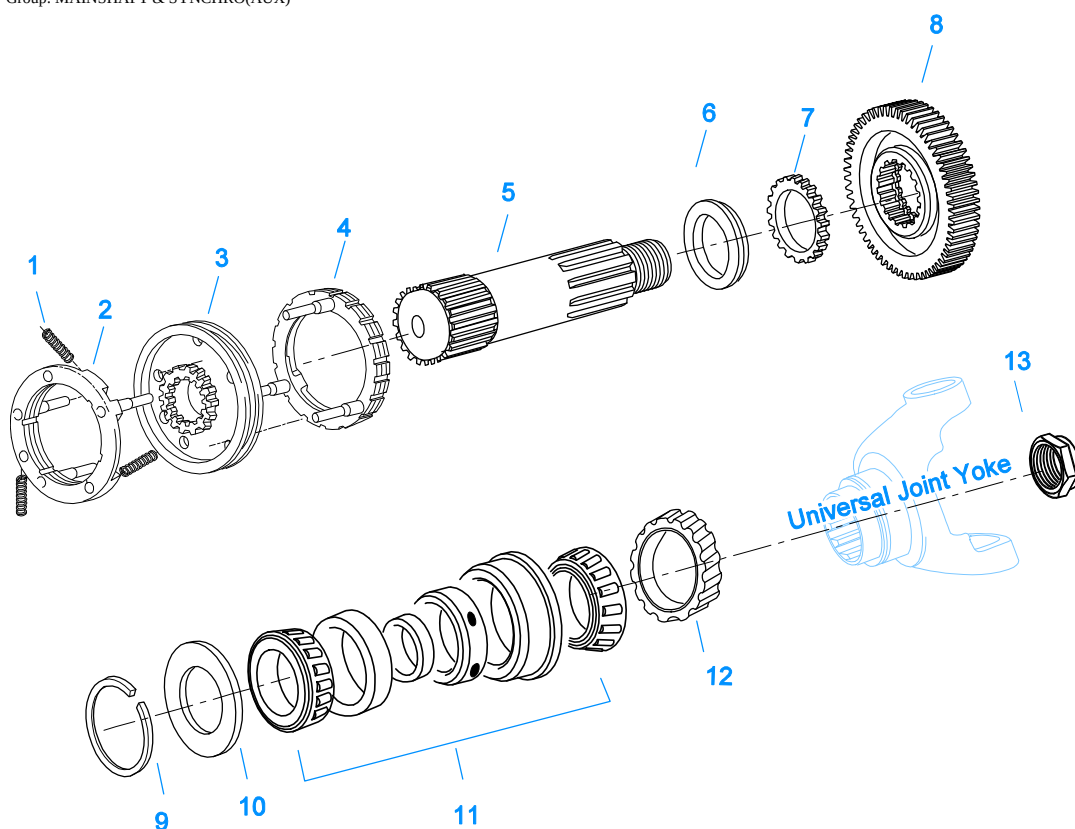


10200-10/92

## LEVERS/HOUSINGS

| Item | Current Part | Description         | Replaced Part                                     | Qty. | Notes                  | Kits/Assys Where Needed                                                                    |
|------|--------------|---------------------|---------------------------------------------------|------|------------------------|--------------------------------------------------------------------------------------------|
| 1    | K-3376       | O-RING & WASHER KIT | 4301211                                           | 1    |                        |                                                                                            |
| 2    | 18299        | PIN                 |                                                   | 1    |                        | K-1476,S-1677                                                                              |
| 3    | X-8C-604     | CAPSCREW            |                                                   | 4    | 3/8"-16X1-1/4"         | S-1445,S-1446,S-1527,S-1528,S-1529,S-1531                                                  |
| 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,S-1527,S-1528,S-1529,S-1531,S-1579,S-1677,S-2129,S-2130 |
| 13   | 6541         | PIN                 |                                                   | 1    | 3/8"                   |                                                                                            |
| 14   | K-2973       | SHIFT LEVER HSG KIT | 17166 ,17167 ,4303050 ,4304910 ,K - 1630 K - 1941 | 1    | HIGH TOWER             |                                                                                            |
| 15   | 10427        | BOOT                |                                                   | 1    |                        | K-1476,K-2973,S-1579,S-1677,S-2130                                                         |
| 16   | X-1-600      | NUT                 |                                                   | 1    | 3/8"-24-N.F.PLAIN      |                                                                                            |
| 17   | X-3-600      | LOCKWASHER          |                                                   | 1    | 3/8"                   |                                                                                            |
| 19   | 17560        | LEVER GRIP          |                                                   | 1    | 1/2"-13                |                                                                                            |
| 20   | 17600        | GEAR SHIFT LEVER    |                                                   | 1    | STRAIGHT - LOW 21-1/2" |                                                                                            |
| 20   | 18482        | GEAR SHIFT LEVER    |                                                   | 1    | STRAIGHT - HIGH 35"    |                                                                                            |
| 21   | 2538         | RETAINER            |                                                   | 1    |                        | K-1476,K-2973,S-                                                                           |

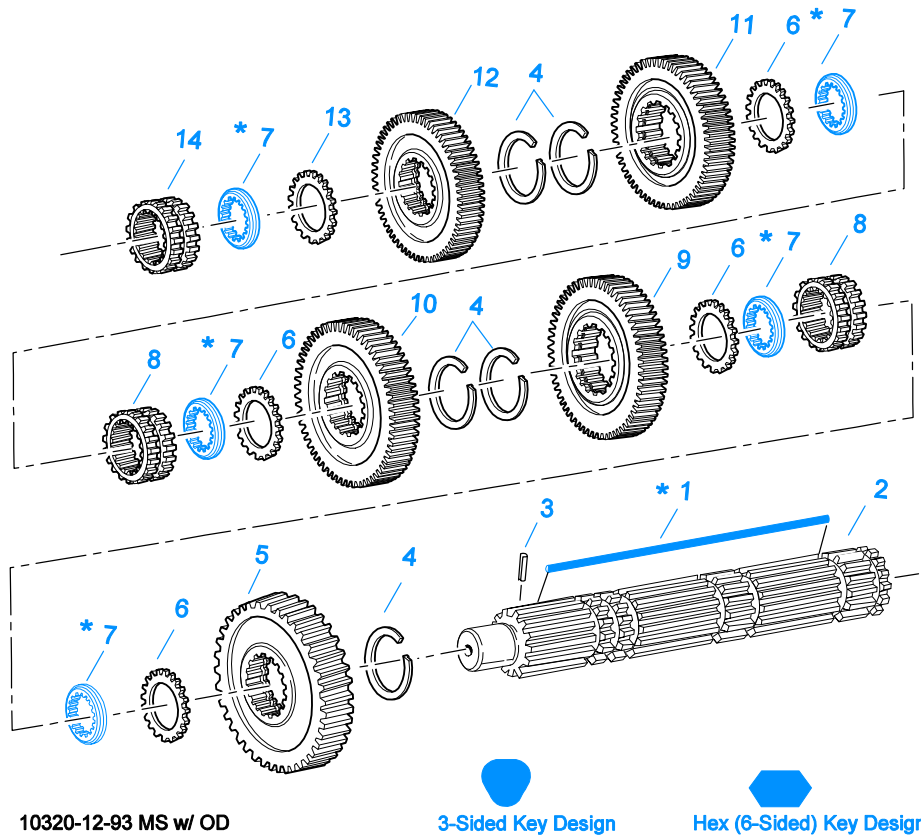
| Item | Current Part | Description           | Replaced Part | Qty. | Notes      | Kits/Assys Where Needed            |
|------|--------------|-----------------------|---------------|------|------------|------------------------------------|
| 22   | 2536         | SPRING                |               | 1    |            | 1579,S-1677,S-2130                 |
| 23   | K-2428       | LEVER REPLACEMENT KIT |               | 1    | LOW TOWER  | K-1476,K-2973,S-1579,S-1677,S-2130 |
| 23   | K-2429       | LEVER REPLACEMENT KIT |               | 1    | HIGH TOWER |                                    |
| 24   | S-1579       | SHIFT TOWER ASSY      |               | 1    | HIGH TOWER |                                    |
| 24   | S-1677       | SHIFT TOWER ASSY      |               | 1    | LOW TOWER  |                                    |
| 33   | S-2129       | SHIFT LEVER HSG ASSY  |               | 1    | LOW TOWER  |                                    |
| 33   | S-2130       | SHIFT LEVER HSG ASSY  | S - 2053      | 1    | HIGH TOWER |                                    |



## 10424-3/93 Aux MS

## MAINSHAFT &amp; SYNCHRO(AUX)

| Item | Current Part | Description           | Replaced Part            | Qty. | Notes                  | Kits/Assys Where Needed                          |
|------|--------------|-----------------------|--------------------------|------|------------------------|--------------------------------------------------|
| 1    | 14897        | SPRING                |                          | 3    |                        | K-1790,K-2283,K-2345,K-2761,K-3491,K-3492,K-3494 |
| 2    | A-7331       | SYNCHRONIZER ASSY     | 4304396 4304397 A - 5917 | 1    | HI RANGE               | K-3491,K-3492,K-3494                             |
| 3    | 20323        | SLIDING CLUTCH        |                          | 1    | USE W/A-4937 OR A-5876 | K-3494                                           |
| 4    | A-6153       | SYNCHRONIZER ASSY     | A - 4416                 | 1    | LO RANGE - SMALL PIN   | K-3491                                           |
| 4    | A-7254       | SYNCHRONIZER ASSEMBLY | A - 4937 A - 5876        | 1    | LO RANGE - LARGE PIN   | K-3492,K-3494                                    |
| 5    | 20472        | MAINSHAFT             |                          | 1    |                        |                                                  |
| 6    | 14332        | WASHER                |                          | 1    |                        | K-1790                                           |
| 7    | 14331        | WASHER                |                          | 1    |                        | K-1790                                           |
| 8    | 4300325      | REDUCTION GEAR        | 19665 ,20932             | 1    |                        |                                                  |
| 9    | 14327        | SNAP RING             |                          | 1    |                        | K-1790                                           |
| 10   | 19466        | WASHER                |                          | 1    |                        | K-1790                                           |
| 11   | 14367        | BEARING               |                          | 1    |                        | K-2283,K-2345,K-2761                             |
| 12   | 20192        | ROTOR                 |                          | 1    |                        |                                                  |
| 13   | 22254        | NUT                   | 11956                    | 1    |                        | S-1944,S-2099                                    |



\* Updating to 3-Sided Key is Recommended.

When Updating to 3-Sided Key Replace all Washers to Match Key Design

Always Use Matching Key and Washer Sets (See Appendix - Mainshaft Washers)

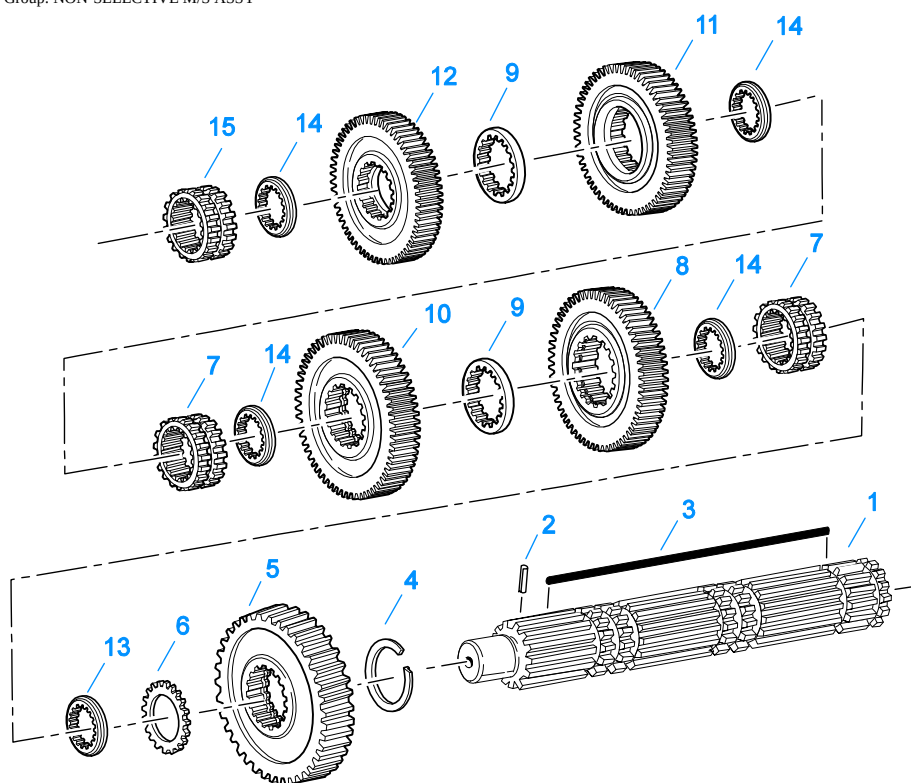
## MAINSHAFT ASSY

| Item | Current Part | Description             | Replaced Part   | Qty. | Notes                                                     | Kits/Assys Where Needed                      |
|------|--------------|-------------------------|-----------------|------|-----------------------------------------------------------|----------------------------------------------|
| 1    | 17109        | HEX (6-SIDED) KEY       |                 | 1    | MUST USE MATCHING WASHERS                                 |                                              |
| 1    | 4304615      | 3-SIDED KEY             | 4300120         | 1    |                                                           | K-2439,K-3157,K-3158                         |
| 1    | K-2439       | KEY & WASHER KIT        |                 | 1    | CONTAINS 3-SIDED KEY                                      |                                              |
| 2    | S-1341       | MAINSHAFT ASSY          | 16761 ,18729    | 1    |                                                           |                                              |
| 2    | S-2688       | MAINSHAFT ASSY          | 4303404 4303913 | 1    |                                                           | K-3155,K-3156,K-3157,K-3158<br>S-1341,S-2688 |
| 3    | 62504        | ROLL PIN                |                 | 1    |                                                           | K-1790,K-2283,K-2345,K-2468,K-2761,K-4125    |
| 4    | 14750        | SNAP RING               |                 | 5    |                                                           |                                              |
| 5    | 16756        | REVERSE GEAR-MAINSHAFT  | 22408           | 1    |                                                           |                                              |
| 6    | 14749        | SPACER                  |                 | 4    |                                                           | K-1790                                       |
| 7    | 14711        | WASHER .248-.250 WHITE  | 18701           | 5    | OPTIONAL 14711-14716 USE ANY 5 WASHERS USE WITH 17109 KEY | K-1790                                       |
| 7    | 14712        | WASHER .253-.255 GREEN  | 18702           | 5    | OPTIONAL 14711-14716 USE ANY 5 WASHERS USE WITH 17109 KEY | K-1790                                       |
| 7    | 14713        | WASHER .258-.260 ORANGE | 18703           | 5    | OPTIONAL 14711-14716 USE ANY 5 WASHERS USE WITH 17109 KEY | K-1790                                       |
| 7    | 14714        | WASHER .263-.265 PURPLE | 18704           | 5    | OPTIONAL 14711-14716 USE ANY 5 WASHERS USE WITH 17109 KEY |                                              |
| 7    | 14715        | WASHER .268-.270 YELLOW | 18705           | 5    | OPTIONAL 14711-14716 USE ANY 5 WASHERS USE WITH 17109 KEY |                                              |
| 7    | 14716        | WASHER .273-.275 BLACK  | 18706           | 5    | OPTIONAL 14711-14716 USE ANY 5 WASHERS USE WITH 17109 KEY |                                              |
| 7    | 4300382      | WASHER .249-WHITE       |                 | 5    |                                                           | K-2439                                       |

| Item | Current Part | Description        | Replaced Part | Qty. | Notes                                                                       | Kits/Assys Where Needed |
|------|--------------|--------------------|---------------|------|-----------------------------------------------------------------------------|-------------------------|
| 7    | 4300383      | WASHER .254-GREEN  |               | 5    | OPTIONAL 4300382-4300387 OR 4300830 USE ANY 5 WASHERS. USE WITH 3-SIDED KEY | K-2439                  |
| 7    | 4300384      | WASHER .259-ORANGE |               | 5    | OPTIONAL 4300382-4300387 OR 4300830 USE ANY 5 WASHERS. USE WITH 3-SIDED KEY | K-2439                  |
| 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-2439                  |
| 8    | 16118        | SLIDING CLUTCH     |               | 2    |                                                                             | K-2345,K-2761           |
| 9    | 16754        | LO GEAR-MAINSHAFT  |               | 1    |                                                                             |                         |
| 10   | 21500        | 2ND GEAR-MAINSHAFT | 21541         | 1    |                                                                             |                         |
| 11   | 21498        | 3RD GEAR-MAINSHAFT |               | 1    |                                                                             |                         |
| 12   | 22743        | OD GEAR-MAINSHAFT  | 22784         | 1    | USE W/16118 SL CLUTCH AND 14749 SPACER                                      |                         |
| 12   | 23014        | OD GEAR-MAINSHAFT  |               | 1    | USE W/22026 SL CLUTCH AND 22032 SPACER                                      |                         |
| 13   | 14749        | SPACER             |               | 1    | USE W/16118 SL CLUTCH AND 22743 OD GEAR                                     | K-1790                  |
| 13   | 22032        | SPACER             |               | 1    | USE W/22026 SL CLUTCH AND 23014 OD GEAR                                     |                         |
| 14   | 16118        | SLIDING CLUTCH     |               | 1    | USE W/14749 SPACER AND 22743 OD GEAR                                        | K-2345,K-2761           |
| 14   | 4304317      | SLIDING CLUTCH     | 22026         | 1    | USE W/22032 SPACER AND 23014 OD GEAR                                        |                         |

## MISCELLANEOUS

| Item  | Current Part | Description         | Replaced Part | Qty. | Notes                            | Kits/Assys Where Needed                   |
|-------|--------------|---------------------|---------------|------|----------------------------------|-------------------------------------------|
| 20398 |              | SHIFT DIAGRAM LABEL | 19675         | 1    | RT-RTX                           |                                           |
| 20399 |              | SHIFT DIAGRAM LABEL | 19677 ,19679  | 1    | RTO                              |                                           |
| 21503 |              | SHIFT LABEL         |               | 1    | RTX-P/R                          |                                           |
| 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-2345,K-2761                             |
| 71206 |              | SILICONE LUBE       |               | 1    | 4 CC (SINGLE APPLICATION SIZE)   | K-1431,K-1450,K-1566,K-1699,K-2428,K-2429 |

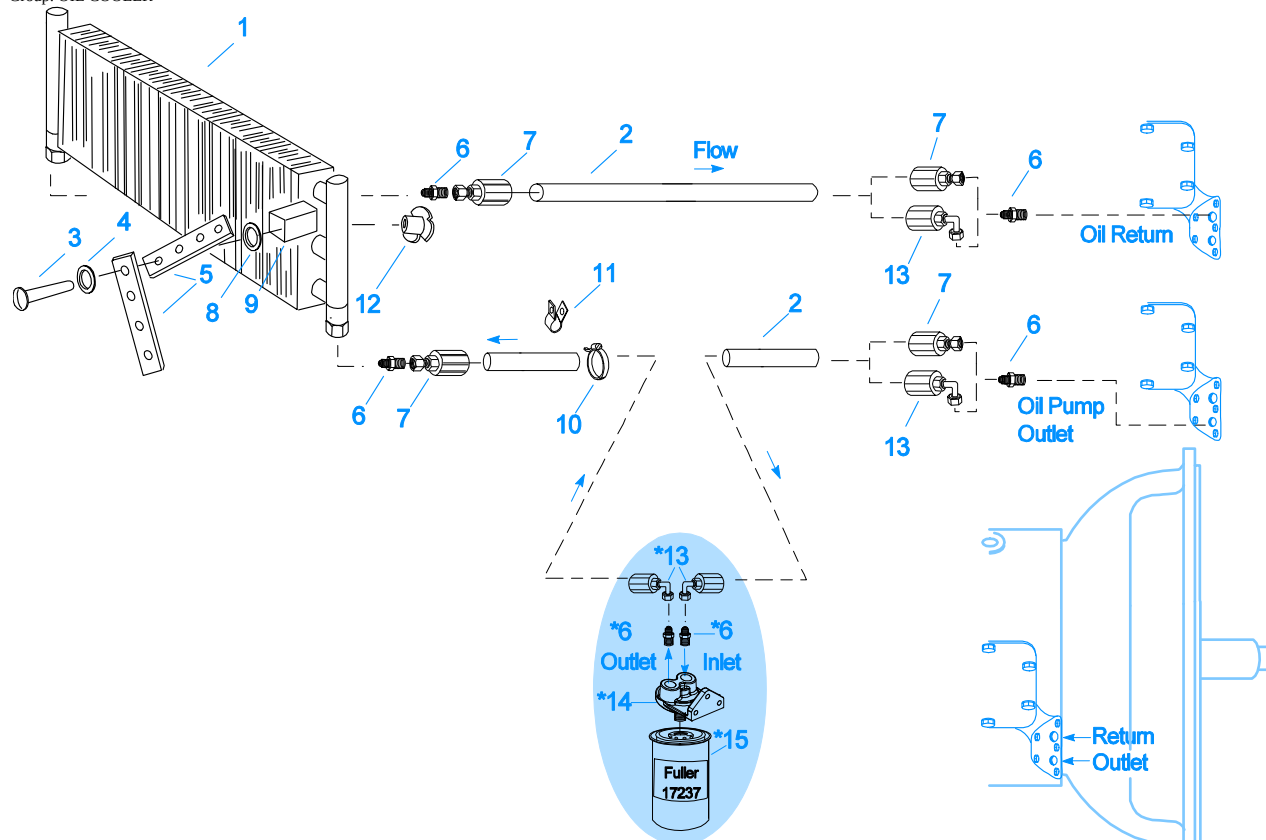


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### NON-SELECTIVE M/S ASSY

| Item | Current Part | Description            | Replaced Part   | Qty. | Notes | Kits/Assys Where Needed                   |
|------|--------------|------------------------|-----------------|------|-------|-------------------------------------------|
| 1    | S-2688       | MAINSHAFT ASSY         | 4303404 4303913 | 1    |       | K-3155,K-3156,K-3157,K-3158               |
| 2    | 62504        | ROLL PIN               |                 | 1    |       | S-1341,S-2688                             |
| 3    | 4304615      | 3-SIDED KEY            | 4300120         | 1    |       | K-2439,K-3157,K-3158                      |
| 4    | 14750        | SNAP RING              |                 | 1    |       | K-1790,K-2283,K-2345,K-2468,K-2761,K-4125 |
| 5    | 16756        | REVERSE GEAR-MAINSHAFT | 22408           | 1    |       |                                           |
| 6    | 14749        | SPACER                 |                 | 1    |       | K-1790                                    |
| 7    | 16118        | SLIDING CLUTCH         |                 | 2    |       | K-2345,K-2761                             |
| 8    | 4303487      | 1ST GEAR-MAINSHAFT     | 4303488         | 1    |       | K-3158                                    |
| 9    | 4303603      | WASHER                 | 4302397         | 2    |       | K-3155,K-3156,K-3157,K-3158               |
| 10   | 4303486      | 2ND GEAR-MAINSHAFT     | 4303475         | 1    |       | K-3158                                    |
| 11   | 4302964      | 3RD GEAR-MAINSHAFT     |                 | 1    |       | K-3158                                    |
| 12   | 4302962      | OD GEAR-MAINSHAFT      |                 | 1    |       | K-3158                                    |
| 13   | 4300830      | WASHER .244-BLUE       |                 | 1    |       | K-2439                                    |
| 14   | 4302398      | WASHER                 |                 | 4    |       | K-3155,K-3156,K-3157,K-3158               |
| 15   | 4304317      | SLIDING CLUTCH         | 22026           | 1    |       |                                           |

Group: OIL COOLER



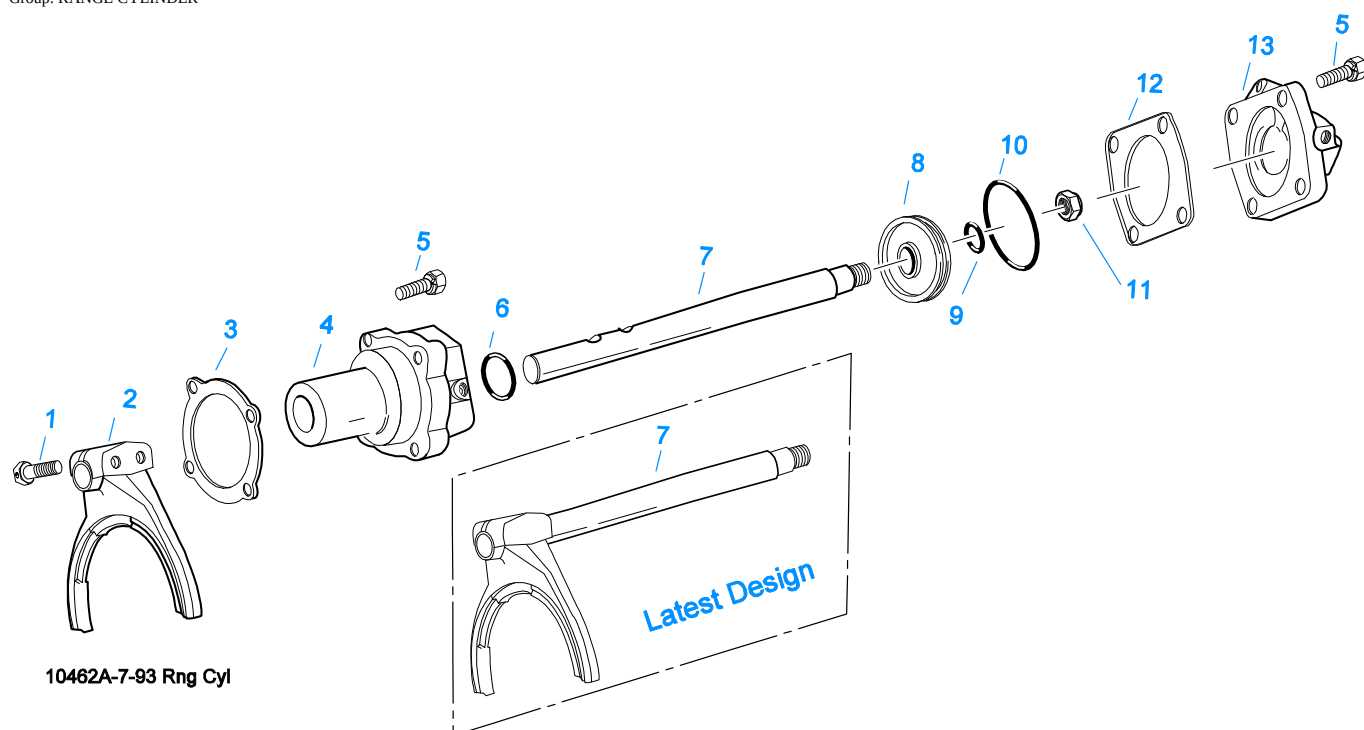
10525-4/92 Cooler

\*Adding Oil Filter and parts as shown is optional.

Return / Outlet Location

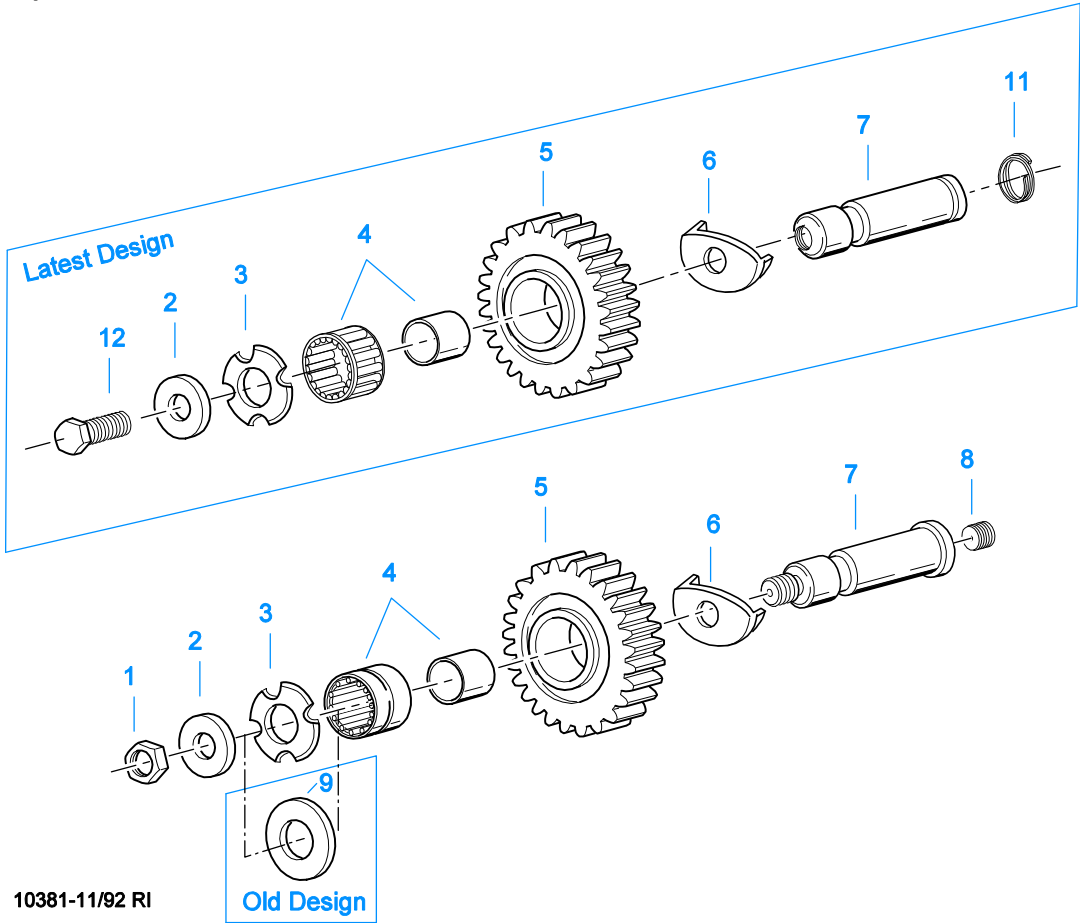
## OIL COOLER

| 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

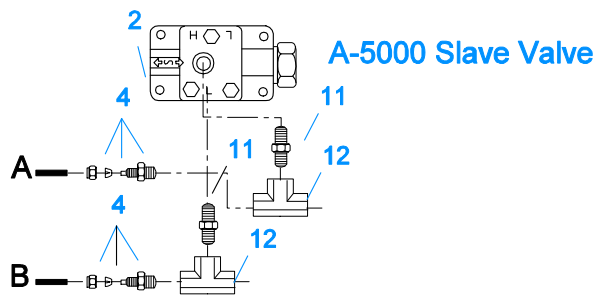
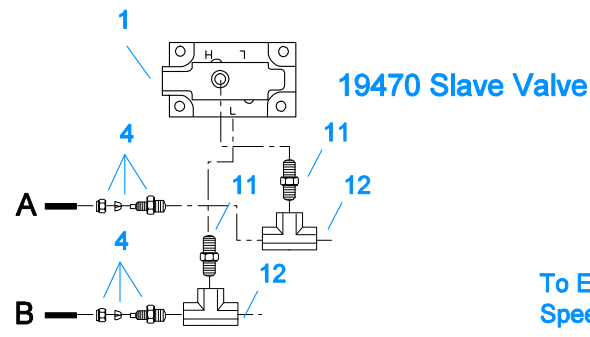
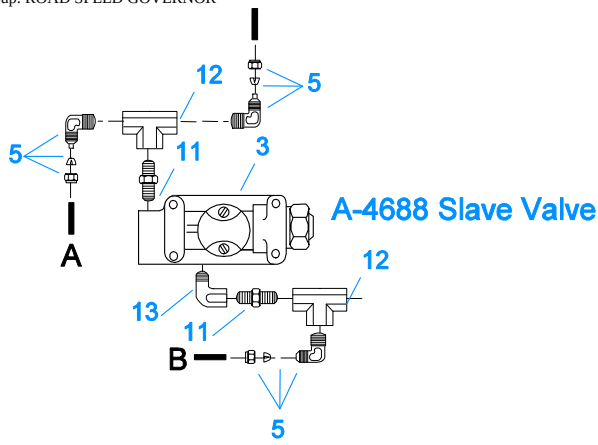
| Item | Current Part | Description            | Replaced Part    | Qty. | Notes          | Kits/Assys Where Needed     |
|------|--------------|------------------------|------------------|------|----------------|-----------------------------|
| 1    | X-7-809      | BOLT                   | X 7 810 ,X 7 811 | 2    | 1/2"-20X1-3/4" |                             |
| 2    | 22823        | SHIFT YOKE             | 16775            | 1    |                |                             |
| 3    | 14347        | GASKET                 |                  | 1    |                | K-1431,K-1603,K-2199        |
| 4    | 16778        | AUXILIARY CYLINDER     |                  | 1    |                | K-1431                      |
| 5    | X-8L-604     | CAPSCREW               |                  | 8    | 3/8"-16X1-1/4" |                             |
| 6    | 14765        | -O- RING               |                  | 1    |                | K-1431,K-1450               |
| 7    | 16993        | YOKE BAR               |                  | 1    |                |                             |
| 7    | A-6162       | WELDED YOKE & BAR ASSY |                  | 1    |                |                             |
| 8    | 14341        | PISTON                 | 23353            | 1    |                | K-1431                      |
| 9    | 14345        | -O- RING               |                  | 1    |                | K-1431,K-1450               |
| 10   | 14344        | -O- RING               |                  | 1    |                | K-1431,K-1450               |
| 11   | X-1-1010     | NUT                    |                  | 1    | 5/8"-18        |                             |
| 12   | 14349        | GASKET                 |                  | 1    |                | K-1431,K-1450,K-1603,K-2199 |
| 13   | 19690        | CYLINDER COVER         |                  | 1    |                |                             |



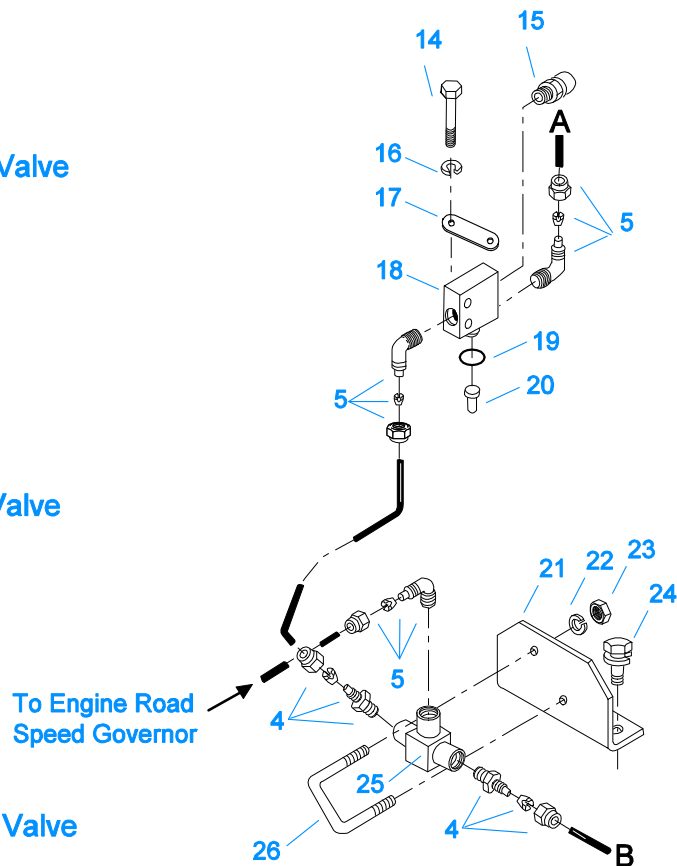
10381-11/92 RI

REVERSE IDLER

| Item | Current Part | Description          | Replaced Part | Qty. | Notes         | Kits/Assys Where Needed |
|------|--------------|----------------------|---------------|------|---------------|-------------------------|
| 1    | X-1-1008     | NUT                  |               | 2    | 5/8"-18       |                         |
| 2    | 14283        | WASHER               |               | 2    |               | K-3217                  |
| 3    | 4302982      | WASHER               | 14282         | 2    |               | K-3217,S-1318,S-1519    |
| 4    | 14287        | BEARING              | 4305020       | 2    |               | K-2283,K-2345,K-2761    |
| 5    | 16757        | REVERSE IDLER GEAR   | 22409         | 2    |               |                         |
| 6    | 16403        | WASHER               |               | 2    |               | K-3217                  |
| 7    | K-3217       | IDLER SHAFT REPL KIT | 4302981       | 2    |               |                         |
| 8    | 5202         | PLUG                 |               | 2    |               |                         |
| 9    | 14282        | NO LONGER AVAILABLE  |               | 2    |               |                         |
| 11   | 4303336      | RETAINING RING       |               | 2    |               | K-3217                  |
| 12   | X-7-1008     | CAPSCREW             |               | 2    | 5/8"-18X1-1/4 |                         |



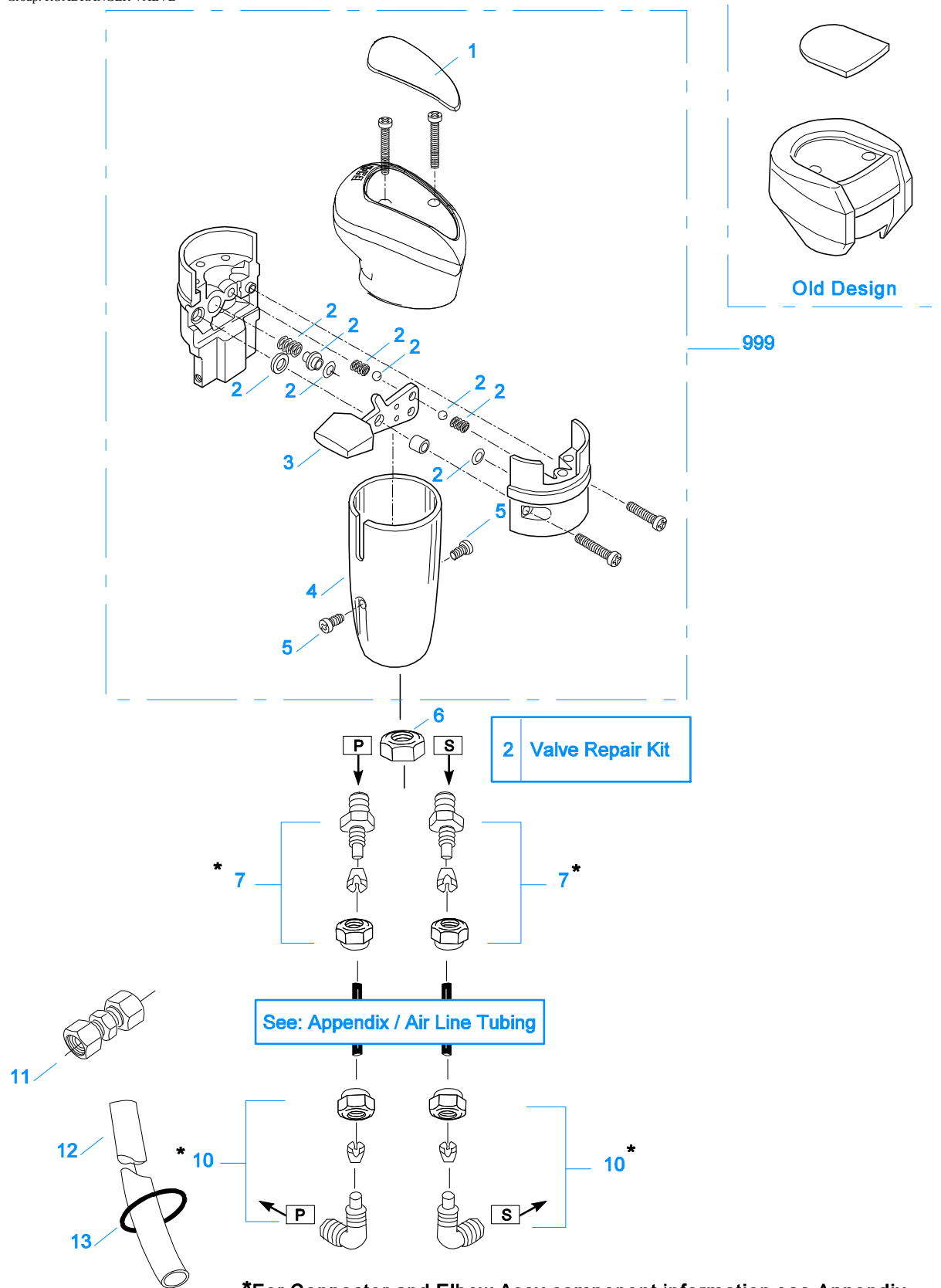
10501-6-94 HC/RSG



## ROAD SPEED GOVERNOR

| Item | Current Part | Description           | Replaced Part          | Qty. | Notes                                  | Kits/Assys Where Needed                                 |
|------|--------------|-----------------------|------------------------|------|----------------------------------------|---------------------------------------------------------|
| 1    | K-2424       | VALVE REPLACEMENT KIT | 19470                  | 1    |                                        |                                                         |
| 2    | A-5000       | SLAVE VALVE ASSY      | 20850                  | 1    |                                        | K-1963,K-2424                                           |
| 3    | A-4688       | SLAVE VALVE ASSY      | 15125 ,19464 ,A - 3991 | 1    |                                        |                                                         |
| 4    | 84002        | CONNECTOR ASSY        | 82502                  | 4    | 1/8" TUBE-1/8" NPTF                    | K-1963,K-2345,K-2761                                    |
| 4    | 84004        | CONNECTOR ASSY        | 82504                  | 4    | 5/32" TUBE-1/8" NPTF                   |                                                         |
| 4    | 84006        | CONNECTOR ASSY        |                        | 4    | "PUSH-TO-CONNECT" 5/32" TUBE-1/8" NPTF | K-2010,K-2033                                           |
| 5    | 85001        | ELBOW ASSY            | 84501                  | 6    | 5/32" TUBE-1/8" NPTF                   |                                                         |
| 5    | 85002        | ELBOW ASSY            | 84502                  | 6    | 1/8" TUBE-1/8" NPTF                    | K-1963,K-2345,K-2761                                    |
| 5    | 85003        | ELBOW ASSY            |                        | 6    | "PUSH-TO-CONNECT" 5/32" TUBE-1/8" NPTF | K-2010,K-2033                                           |
| 11   | 12769        | NIPPLE                |                        | 2    | 1/8"                                   | K-1963,K-2033                                           |
| 12   | 12881        | TEE                   |                        | 2    | 1/8"                                   | K-1963,K-2033                                           |
| 13   | 12845        | ELBOW                 |                        | 1    | 1/8"                                   | K-1963                                                  |
| 14   | X-8-434      | CAPSCREW              |                        | 2    | 1/4"-20X2"                             |                                                         |
| 15   | 7935         | BREATHER              |                        | 1    |                                        |                                                         |
| 16   | X-3-400      | LOCKWASHER            |                        | 2    | 1/4"                                   |                                                         |
| 17   | 20199        | PLATE                 | 18724                  | 1    |                                        | S-1440,S-1441,S-1445,S-1446,S-1527,S-1528,S-1529,S-1531 |

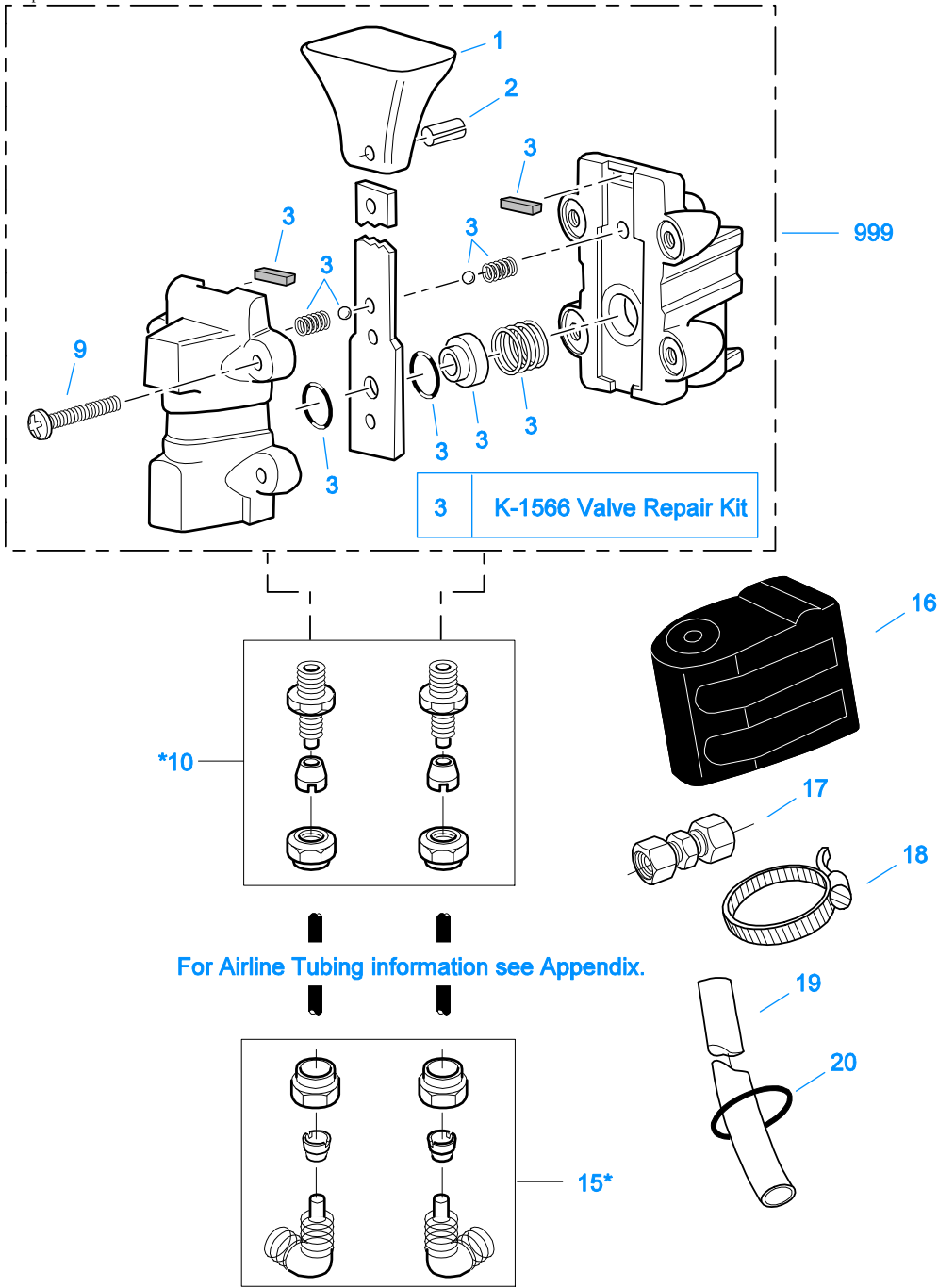
| Item | Current Part | Description         | Replaced Part | Qty. | Notes           | Kits/Assys Where Needed                                 |
|------|--------------|---------------------|---------------|------|-----------------|---------------------------------------------------------|
| 18   | 18734        | VALVE               |               | 1    |                 |                                                         |
| 19   | 18656        | NO LONGER AVAILABLE |               | 1    |                 |                                                         |
| 20   | 15899        | PIN                 |               | 1    | RT-RTF-RTO-RTOF | S-1440,S-1441,S-1445,S-1446,S-1527,S-1528,S-1529,S-1531 |
| 20   | 20119        | PIN                 |               | 1    | RTX-RTXF        |                                                         |
| 21   | 18685        | NO LONGER AVAILABLE |               | 1    |                 |                                                         |
| 22   | X-3-305      | LOCKWASHER          |               | 2    | #10             |                                                         |
| 23   | X-1-250      | NO LONGER AVAILABLE |               | 2    | #10-32          |                                                         |
| 24   | X-8L-602     | CAPSCREW            |               | 2    | 3/8"-16X1-1/2"  |                                                         |
| 25   | 18675        | VALVE               |               | 1    |                 |                                                         |
| 26   | 18684        | NO LONGER AVAILABLE |               | 1    |                 |                                                         |



10100A-3-97 RRV-2

## 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-6909                  |
| 1    | 5586104      | SHIFT DIAGRAM MEDALLION |                   | 1    | RT                                       | S-2540                  |
| 1    | 5586105      | SHIFT DIAGRAM MEDALLION |                   | 1    | RTO                                      | S-2541                  |
| 1    | 5586108      | SHIFT DIAGRAM MEDALLION |                   | 1    | P & R RATIO (9 SPEEDS)                   | S-2542                  |
| 2    | K-1921       | MASTER VALVE REPAIR KIT |                   | 1    | FOR A-6909 & A-5010 VALVES               |                         |
| 3    | 20495        | LEVER                   |                   | 1    |                                          | A-6909                  |
| 4    | 20112        | COVER                   |                   | 1    |                                          | A-6909                  |
| 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             | 2    | 1/8" TUBE-1/16" NPTF                     |                         |
| 7    | 84003        | CONNECTOR ASSY          | 82503             | 2    | 5/32" TUBE-1/16" NPTF                    |                         |
| 7    | 84005        | CONNECTOR ASSY          |                   | 2    | "PUSH-TO-CONNECT" 5/32" TUBE-1/16" NPTF  | K-2010,K-2033           |
| 10   | 85001        | ELBOW ASSY              | 84501             | 2    | 5/32" TUBE-1/8" NPTF                     |                         |
| 10   | 85002        | ELBOW ASSY              | 84502             | 2    | 1/8" TUBE-1/8" NPTF                      | K-1963,K-2345,K-2761    |
| 10   | 85003        | ELBOW ASSY              |                   | 2    | "PUSH-TO-CONNECT" 5/32" TUBE-1/8" NPTF   | K-2010,K-2033           |
| 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           | K-2010,K-2033           |
| 12   | 80120        | SHEATHING (50 FT ROLL)  |                   | 1    | 5/32" - BLACK 50'                        |                         |
| 13   | 13571        | -O- RING CLAMP          |                   | 1    |                                          |                         |
| 999  | A-6909       | ROADRANGER VALVE ASSY   | A - 5010 A - 5310 | 1    | STANDARD-W/LOGO                          | K-2010                  |
| 999  | S-2540       | ROADRANGER VALVE ASSY   | A - 5037          | 1    | RT - W/SHIFT DIAGRAM MEDALLION           |                         |
| 999  | S-2541       | ROADRANGER VALVE ASSY   | A - 5040          | 1    | RTO - W/SHIFT DIAGRAM MEDALLION          |                         |
| 999  | S-2542       | ROADRANGER VALVE ASSY   | A - 5185          | 1    | P & R RATIO (9 SPEEDS)-W/SHIFT MEDALLION |                         |



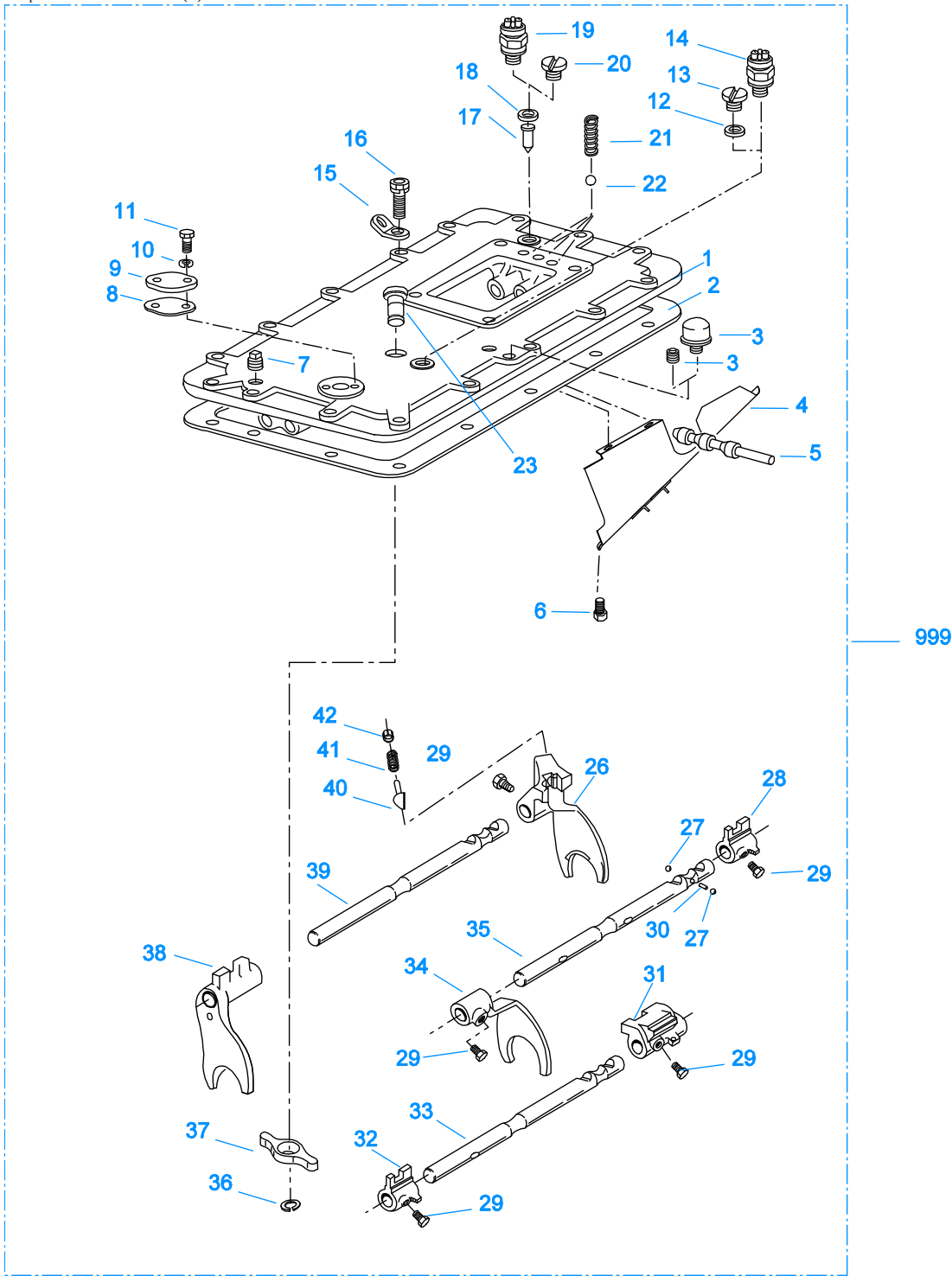
\*For Connector and Elbow Assy component information see Appendix

10099-5/93 AV

ROADRANGER VALVES

| Item | Current Part | Description      | Replaced Part | Qty. | Notes                         | Kits/Assys Where Needed |
|------|--------------|------------------|---------------|------|-------------------------------|-------------------------|
| 1    | 15120        | KNOB             |               | 1    |                               | A-3546                  |
| 2    | 62512        | ROLL PIN         |               | 1    |                               | A-3546                  |
| 3    | K-1566       | VALVE REPAIR KIT |               | 1    | FOR A-3546 VALVE              |                         |
| 9    | X-13-214     | SCREW            |               | 4    | 8-32X3/4"                     |                         |
| 10   | 84002        | CONNECTOR ASSY   | 82502         | 2    | 1/8" TUBE-1/8" NPTF           | K-1963,K-2345,K-2761    |
| 10   | 84004        | CONNECTOR ASSY   | 82504         | 2    | 5/32" TUBE-1/8" NPTF          |                         |
| 10   | 84006        | CONNECTOR ASSY   |               | 2    | "PUSH-TO-CONNECT" 5/32" TUBE- | K-2010,K-2033           |

| Item | Current Part | Description            | Replaced Part       | Qty. | Notes                                | Kits/Assys Where Needed |
|------|--------------|------------------------|---------------------|------|--------------------------------------|-------------------------|
| 15   | 85001        | ELBOW ASSY             | 84501               | 2    | 1/8"NPTF                             |                         |
| 15   | 85002        | ELBOW ASSY             | 84502               | 2    | 5/32"TUBE-1/8"NPTF                   | K-1963,K-2345,K-2761    |
| 15   | 85003        | ELBOW ASSY             |                     | 2    | 1/8"TUBE-1/8"NPTF                    | K-2010,K-2033           |
|      |              |                        |                     |      | "PUSH-TO-CONNECT" 5/32"TUBE-1/8"NPTF |                         |
| 16   | 18905        | NO LONGER AVAILABLE    |                     | 1    |                                      |                         |
| 17   | 84101        | UNION ASSY             |                     | 1    | 1/8" TUBING                          |                         |
| 17   | 84102        | UNION ASSY             |                     | 1    | 5/32" TUBING                         |                         |
| 17   | 84103        | UNION ASSY             |                     | 1    | "PUSH-TO-CONNECT" 5/32" TUBING       | K-2010,K-2033           |
| 18   | 14441        | CLAMP                  | 14465               | 1    |                                      |                         |
| 19   | 80120        | SHEATHING (50 FT ROLL) |                     | 1    | 5/32" - BLACK 50'                    |                         |
| 20   | 13571        | -O- RING CLAMP         |                     | 1    |                                      |                         |
| 999  | A-3546       | RANGE VALVE ASSY       | 18268 ,18269 ,18272 | 1    |                                      |                         |



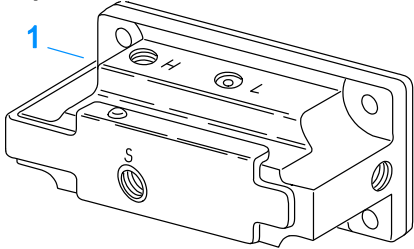
10244-11-96 X-Bar

SHIFT BAR HOUSING (X)

| Item | Current Part | Description       | Replaced Part                                    | Qty. | Notes            | Kits/Assys Where Needed            |
|------|--------------|-------------------|--------------------------------------------------|------|------------------|------------------------------------|
| 1    | S-1445       | SHIFT BAR HSG (X) | 18920 ,20135 ,20214 ,20215 ,20487 21135 ,4302452 | 1    | HOUSING ONLY (X) |                                    |
| 2    | 4302676      | GASKET            | 14918                                            | 1    |                  | K-2199,S-1527,S-1528,S-1529,S-1531 |
| 3    | 4304602      | BREATHER          | 23605                                            | 1    | 1/4" NPT         |                                    |
| 3    | X-12-404     | PIPE PLUG         |                                                  | 1    | 1/4" NPT         |                                    |

| Item | Current Part | Description            | Replaced Part         | Qty. | Notes                                                             | Kits/Assys Where Needed                                 |
|------|--------------|------------------------|-----------------------|------|-------------------------------------------------------------------|---------------------------------------------------------|
| 4    | 20070        | OIL TROUGH             |                       | 1    |                                                                   | S-1527,S-1528,S-1529,S-1531                             |
| 5    | 20332        | AIR VALVE SHAFT        | 17177                 | 1    |                                                                   | S-1527,S-1528,S-1529,S-1531                             |
| 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-1440,S-1441,S-1445,S-1446,S-1527,S-1528,S-1529,S-1531 |
| 9    | 20199        | PLATE                  | 18724                 | 1    |                                                                   | S-1440,S-1441,S-1445,S-1446,S-1527,S-1528,S-1529,S-1531 |
| 10   | X-3-400      | LOCKWASHER             |                       | 2    | 1/4"                                                              |                                                         |
| 11   | X-8-406      | CAPSCREW               |                       | 2    | 1/4"-20X3/4"                                                      |                                                         |
| 12   | 17179        | GASKET                 |                       | 1    |                                                                   | S-1440,S-1441,S-1445,S-1446,S-1527,S-1528,S-1529,S-1531 |
| 13   | 4303655      | PLUG                   | 17178                 | 1    |                                                                   | S-1440,S-1441,S-1445,S-1446,S-1527,S-1528,S-1529,S-1531 |
| 14   | 22941        | NEUTRAL LIGHT SWITCH   | 12639                 | 1    | SWITCH NORMALLY CLOSED                                            |                                                         |
| 15   | 20815        | LIFTING EYE            | 17105                 | 2    |                                                                   |                                                         |
| 16   | X-8L-602     | CAPSCREW               |                       | 2    | 3/8"-16X1-1/2" USE W/20815 LIFTING EYES                           |                                                         |
| 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-1440,S-1441,S-1445,S-1446,S-1527,S-1528,S-1529,S-1531 |
| 18   | 15900        | GASKET                 |                       | 1    |                                                                   | S-1440,S-1441,S-1445,S-1446,S-1527,S-1528,S-1529,S-1531 |
| 19   | 22940        | REVERSE LIGHT SWITCH   | 16830                 | 1    | SWITCH NORMALLY OPEN                                              |                                                         |
| 20   | 4303656      | PLUG                   | 15917                 | 1    |                                                                   | S-1440,S-1441,S-1445,S-1446,S-1527,S-1528,S-1529,S-1531 |
| 21   | 15918        | SPRING                 |                       | 3    |                                                                   | K-1790,K-2345,K-2761,S-1527,S-1528,S-1529,S-1531        |
| 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,S-1531                                    |
| 27   | X-14-1200    | STEEL BALL             |                       | 2    | 3/4"                                                              |                                                         |
| 28   | 14658        | SHIFT BLOCK            |                       | 1    | 1ST/2ND                                                           | S-1527,S-1531                                           |
| 29   | 3220         | LOCKSCREW              |                       | 5    |                                                                   | S-1527,S-1528,S-1529,S-1531                             |
| 30   | 1634         | INTERLOCK PIN          |                       | 1    |                                                                   | K-1790,S-1527,S-1528,S-1529,S-1531                      |
| 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                                                  |
| 33   | 20117        | YOKE BAR               |                       | 1    | 3RD/OD-W/ROAD SPEED GOVERNOR                                      |                                                         |
| 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,S-1529,S-1531                      |
| 41   | 6392         | SPRING                 |                       | 1    |                                                                   | S-1219,S-1527,S-1528,S-1529,S-1531                      |
| 42   | 8968         | PLUG                   |                       | 1    |                                                                   | S-1219,S-1527,S-1528,S-1529,S-1531                      |
| 999  | S-1527       | SHIFT BAR HSG ASSY (X) | 20215 ,21135 ,4302452 | 1    | COMPLETE                                                          |                                                         |

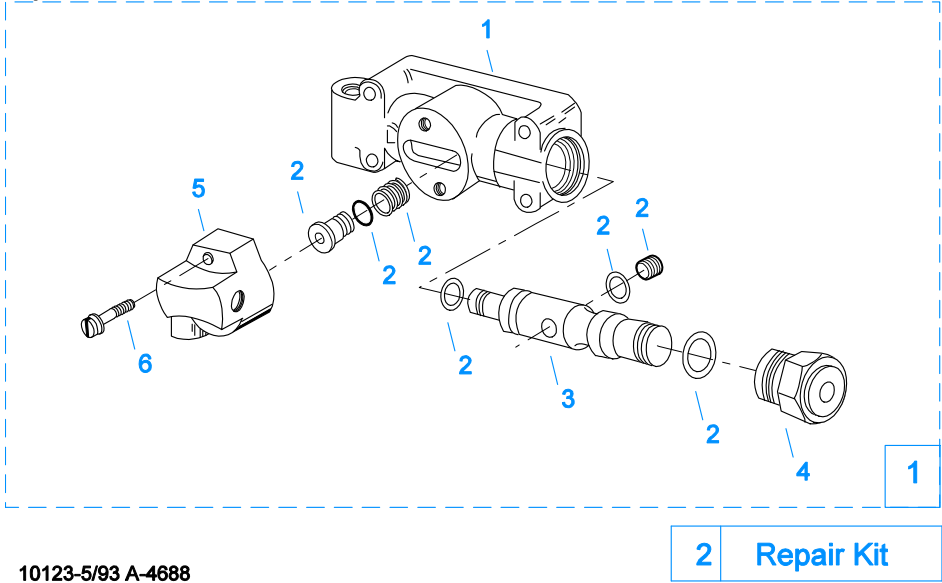
Group: SLAVE VALVE - 19470



10121-1/92 19470 SV

SLAVE VALVE - 19470

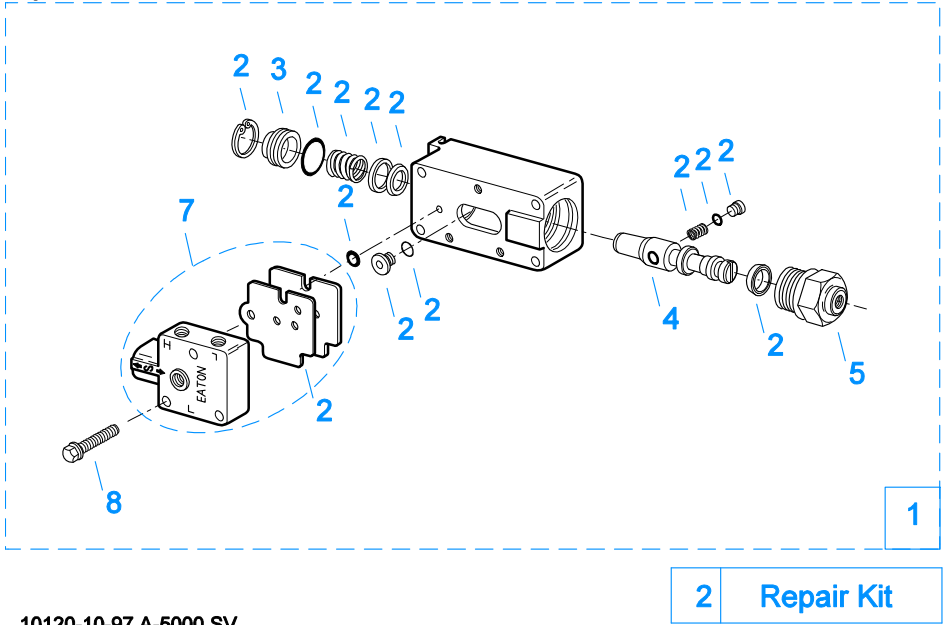
| Item | Current Part | Description           | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|------|--------------|-----------------------|---------------|------|-------|-------------------------|
| 1    | K-2424       | VALVE REPLACEMENT KIT | 19470         | 1    |       |                         |



10123-5/93 A-4688

**SLAVE VALVE - A-4688**

| Item | Current Part | Description            | Replaced Part          | Qty. | Notes            | Kits/Assys Where Needed |
|------|--------------|------------------------|------------------------|------|------------------|-------------------------|
| 1    | A-4688       | SLAVE VALVE ASSY       | 15125 ,19464 ,A - 3991 | 1    |                  |                         |
| 2    | K-1699       | REPAIR KIT-SLAVE VALVE |                        | 1    | FOR A-4688 VALVE |                         |
| 3    | 19463        | PISTON                 | 15126                  | 1    |                  | A-4688                  |
| 4    | 20849        | CAP                    | 15131                  | 1    |                  | A-4688,A-5000           |
| 5    | K-1613       | CAP REPLACEMENT KIT    | 16429 ,18707           | 1    | FOR A-4688 VALVE |                         |
| 6    | X-8S-401     | CAPSCREW               |                        | 2    | 1/4"-20X1-1/8"   |                         |



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"   |                         |



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