



Bulletin No. SPTP002-0306  
AMO1750-4  
March 2006

# AMO1750-4 Series Auxiliary Transmission and Power Tower



## Parts Catalog

INCLUDES:  
APO1750-4  
APO1000-4

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



**1 (877) 776-4600**

**(407) 872-1901**

**parts@eprogear.com**

**906 W. Gore St.**

**Orlando, FL 32805**



## Content, Ratio Table & Identification

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### RATIO TABLE

| SPEEDS      | MODELS                   |                          |                          |                          |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|
|             | AMO1000-4C<br>AMO1750-4C | AMO1000-4D<br>AMO1750-4D | APO1000-4C<br>APO1750-4C | APO1000-4D<br>APO1750-4D |
| 1st         | 2.37                     | 1.59                     | 2.37                     | 1.59                     |
| 2nd         | 1.24                     | 1.24                     | 1.24                     | 1.24                     |
| Direct      | 1.00                     | 1.00                     | 1.00                     | 1.00                     |
| Overdrive   | .812                     | .812                     | .812                     | .812                     |
| Shift Plate | NP-142                   | NP-142                   | NP-119                   | NP-119                   |

### IDENTIFICATION

The Name Plate (NP-96) affixed to the REAR of the transmission is stamped with information:

In requesting more information on these transmissions,  
Please furnish this information

SERIAL

B/M No.

MODEL

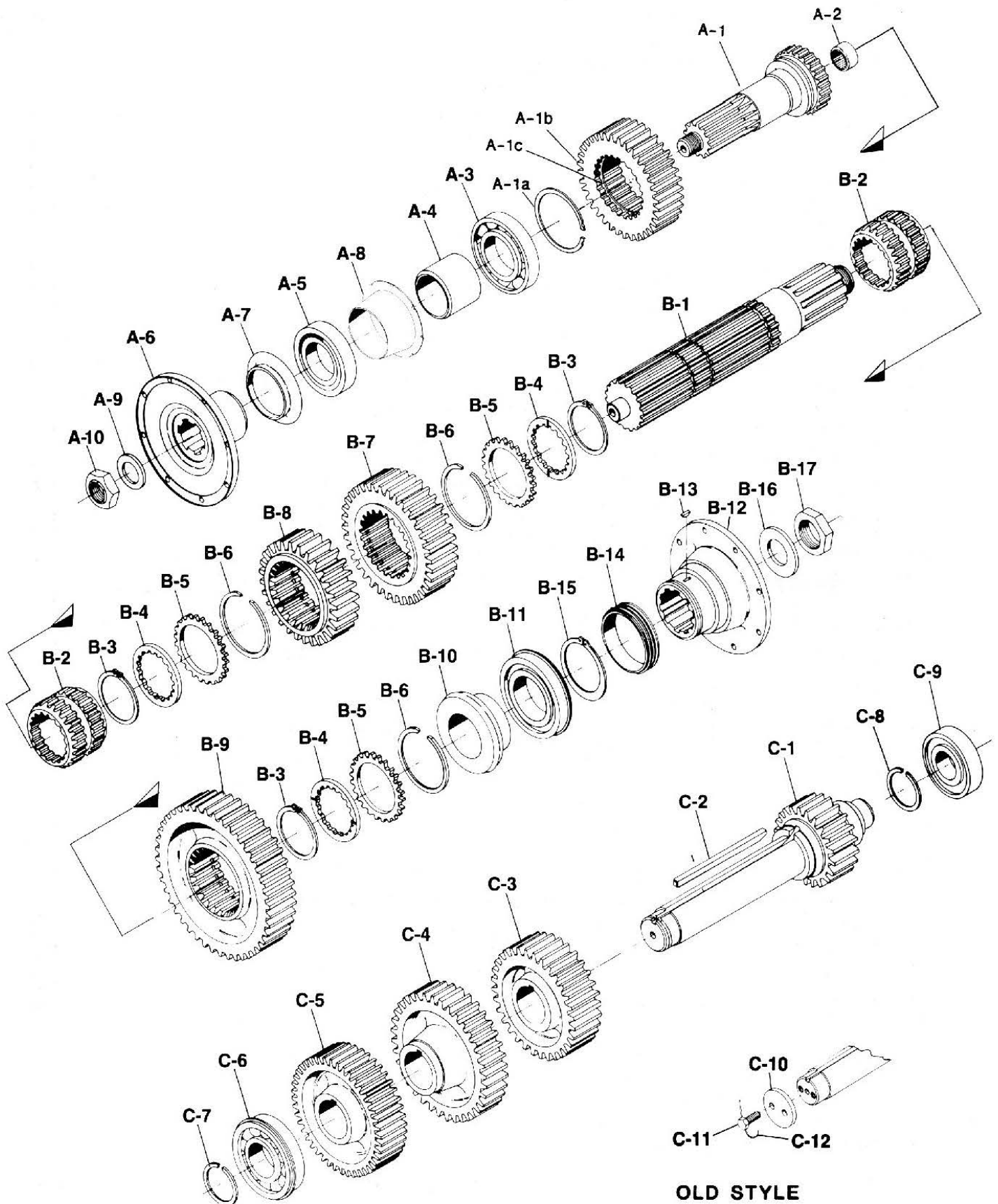
**Abbreviations used in this parts list include:**

**A.R. - As Required**

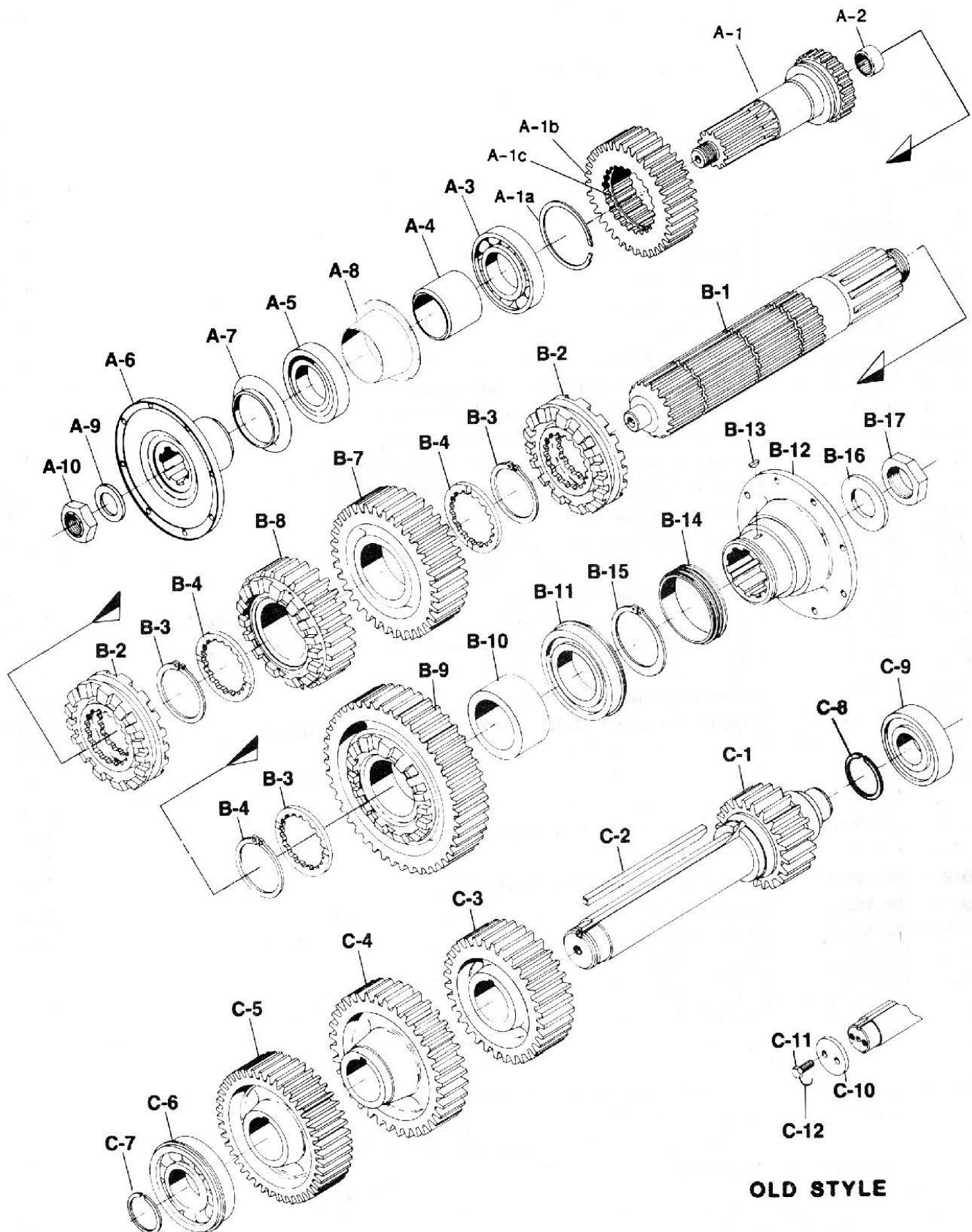
**N.S. - Not Shown**

**N.S.S. - Not Sold Separately**

**"PARTS LISTED IN THIS CATALOG MAY NO LONGER BE AVAILABLE, USE WITH TRANSMISSION SUPERSEDING LIST."**



OLD STYLE



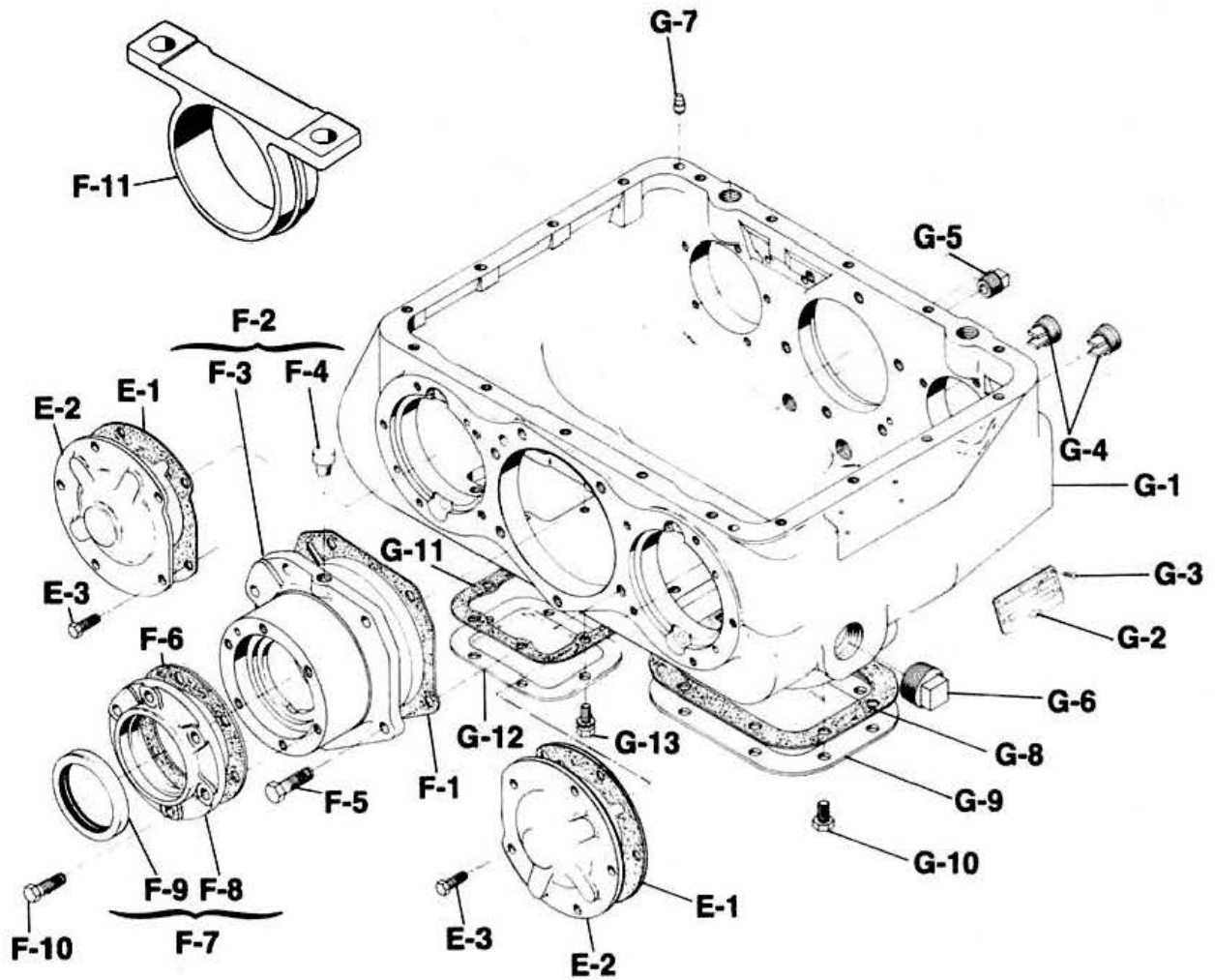
| Ref.No. | Part Number   | Part Description                                                             | Qty. |
|---------|---------------|------------------------------------------------------------------------------|------|
|         |               | Drive Gear Group - Input                                                     | 1    |
| A-1     | 98-35-5-1X    | Input Shaft - (2.594-20T spline)( 2) piece D/G) Model AMO/APO1000-4 &1750-4  | 1    |
| A-1a    | 98-381-6      | Snap Ring - External Model AMO1000-4 &1750-4                                 | 1    |
| A-1b    | 99-35-1-1X    | Drive Gear - (38T) (2) piece D/G) Models AMO1000-4 &1750-4                   | 1    |
| or      | 99-35-2-1X    | Drive Gear - (38T) (2) piece D/G) Model APO1750-4                            | 1    |
| A-1c    | 97-381-32     | Snap Ring - Internal Model AMO/APO1000-4 &1750-4                             | 1    |
| A-2     | 550889        | Bearing - Drive Gear Pocket                                                  | 1    |
| A-3     | 550981        | Bearing - Input Shaft Rear Models AMO/AP01000-4 &1750-4                      | 1    |
| A-4     | 98-37-9       | Spacer - (used with (2) piece D/G) Models AMO/AP01000-4 &1750-4              | 1    |
| A-5     | 313747X       | Bearing - Input Shaft Front Models AMO/APO1000-4 &1750-4                     | 1    |
| A-6     | See Tab Bills | Companion Flange or End Yoke - Front                                         | 1    |
| A-7     | 231745        | Slinger - Oil (used with (2)pc. D/G) Models AMO/APO1000-4 &1750-4            | 1    |
| A-8     | 98-468-2      | Baffle - Breather (used with (2)pc. D/G. - A.S.S.N. 2821901                  | 1    |
| A-9     | 330734        | Washer - 1 25/32" ID (used with (2)pc. D/G) Models AMO/APO1000-4 &1750-4     | 1    |
| A-10    | 545047        | Nut - 1 3/4"-12 hex head (used with (2)pc. D/G) Models AMO/APO1000-4 &1750-4 | 1    |
|         |               | <b>Mainshaft Group - Output</b>                                              |      |
| B-1     | 98-362-3      | Mainshaft Models AMO/APO1000-4 &1750-4                                       | 1    |
| or      | 98-362-2      | Mainshaft Models APO1000-4 & APO1750-4                                       | 1    |
| B-2     | 98-465-4      | Clutch Collar Models AMO1000-4 &1750-4                                       | 2    |
| or      | 98-465-2      | Clutch Collar (Curvic Teeth) Models APO1000-4 &1750-4                        | 2    |
| B-3     | 98-381-1      | Snap Ring - External                                                         | 3    |
| B-4     | 330869        | Thrust Washer - Internal Splined (18T)                                       | 3    |
| B-5     | 330810        | Thrust Washer - External Splined (24T) Models AMO/APO1000-4 &1750-4          | 3    |
| B-6     | 98-381-2      | Snap Ring - Internal AMO1000-4 & AMO1750-4                                   | 3    |

A.S.S.N. - After Starting Serial Number

## Manual/Air-Matic Shift

| Ref.No. | Part Number   | Part Description                                                          | Qty. |
|---------|---------------|---------------------------------------------------------------------------|------|
| B-7     | 99-8-1        | Gear - Mainshaft 2nd speed (34T) (Models AMO1000-4 & 1750-4)              | 1    |
| or      | 99-8-5        | Gear - Mainshaft 2nd speed (34T) (Models APO1000-4 & 1750-4)              | 1    |
| B-8     | 99-8-3        | Gear - Mainshaft 4th speed (28T) Overdrive (Models AMO1000-4 & 1750-4)    | 1    |
| or      | 99-8-6-1X     | Gear - Mainshaft Overdrive (28T)(Curvic Teeth) (Models APO100-4 & 1750-4) | 1    |
| N.S.    | 98-37-7       | Mainshaft Overdrive Lock-out                                              | 1    |
| B-9     | 99-8-8        | Mainshaft 1st speed (44T) (AMO1000-4C & 1750-4C)                          | 1    |
| or      | 99-8-4        | Gear-Mainshaft 1st speed (44T) (APO1000-4C & 1750-4C)                     | 1    |
| or      | 99-8-2        | Gear - Mainshaft 1st speed (38T) (AMO1000-4D & 1750-4D)                   | 1    |
| or      | 99-8-7        | Gear - Mainshaft 1st speed (38T) (APO1000-4D & 1750-4D)                   | 1    |
| B-10    | 98-37-2       | Spacer-Mainshaft 1st speed Gear (AMO1000-4 & 1750-4)                      | 1    |
| or      | 98-37-6       | Spacer - Mainshaft 1st speed Gear (APO1000-4 & 1750-4)                    | 1    |
| B-11    | 550925        | Bearing - Mainshaft rear                                                  | 1    |
| B-12    | See Tab Bills | Companion Flange or End Yoke - Rear                                       | 1    |
| B-13    | 500007-9      | Key - #3 Woodruff (1/8"x1/2") (for Speedo Drive Gear)                     | 1    |
| B-14    | 98-452-1      | Gear - Speedometer Drive (4T) (Mechanical)                                | 1    |
| or      | 98-452-2      | Gear - Speedometer Signal (16 grooves) (Electronic)                       | 1    |
| B-15    | 97-381-6      | Snap Ring - Speedometer Drive or Signal Gear                              | 1    |
| B-16    | 330734        | Washer - 1 25/32" ID                                                      | 1    |
| B-17    | 545047        | Nut - 1 3/4"-12 hex head self-locking                                     | 1    |
|         |               | <b>Countershaft Group</b>                                                 | 2    |
| C-1     | 99-30-1-1X    | Countershaft (21T)(incl. Snap Ring 97-381-30) (AMO1000-4C & 1750-4)       | 2    |
| or      | 99-30-2-1X    | Countershaft (27T) (incl. Snap Ring 97-381-30) (AMO1000-4D, 1750D)        | 2    |
| C-2     | 98-210-2      | Key-Square                                                                | 2    |
| C-3     | 99-196-1      | Gear - 2nd speed C/S (31 T)                                               | 2    |
| C-4     | 99-196-2      | Gear - 4th speed C/S (39T) Overdrive                                      | 2    |
| C-5     | 99-1-1        | Gear - C/S Drive (43T)                                                    | 2    |
| C-6     | 550952        | Bearing - C/S front                                                       | 2    |
| C-7     | 97-381-30     | Snap Ring - Bearing retaining                                             | 2    |
| C-8     | 97-381-34     | Ring - spacer C/S rear bearing (Right Hand side)                          | 1    |
| C-9     | 550720        | Bearing - C/S rear                                                        | 2    |
| C-10    | 636-W         | Washer - C/S bearing retaining                                            | 2    |
| C-11    | 747-D         | Bolt - 1/2" -20 x 1 1/8"                                                  | 4    |
| C-12    | LW-1          | Lockwire                                                                  | A/R  |

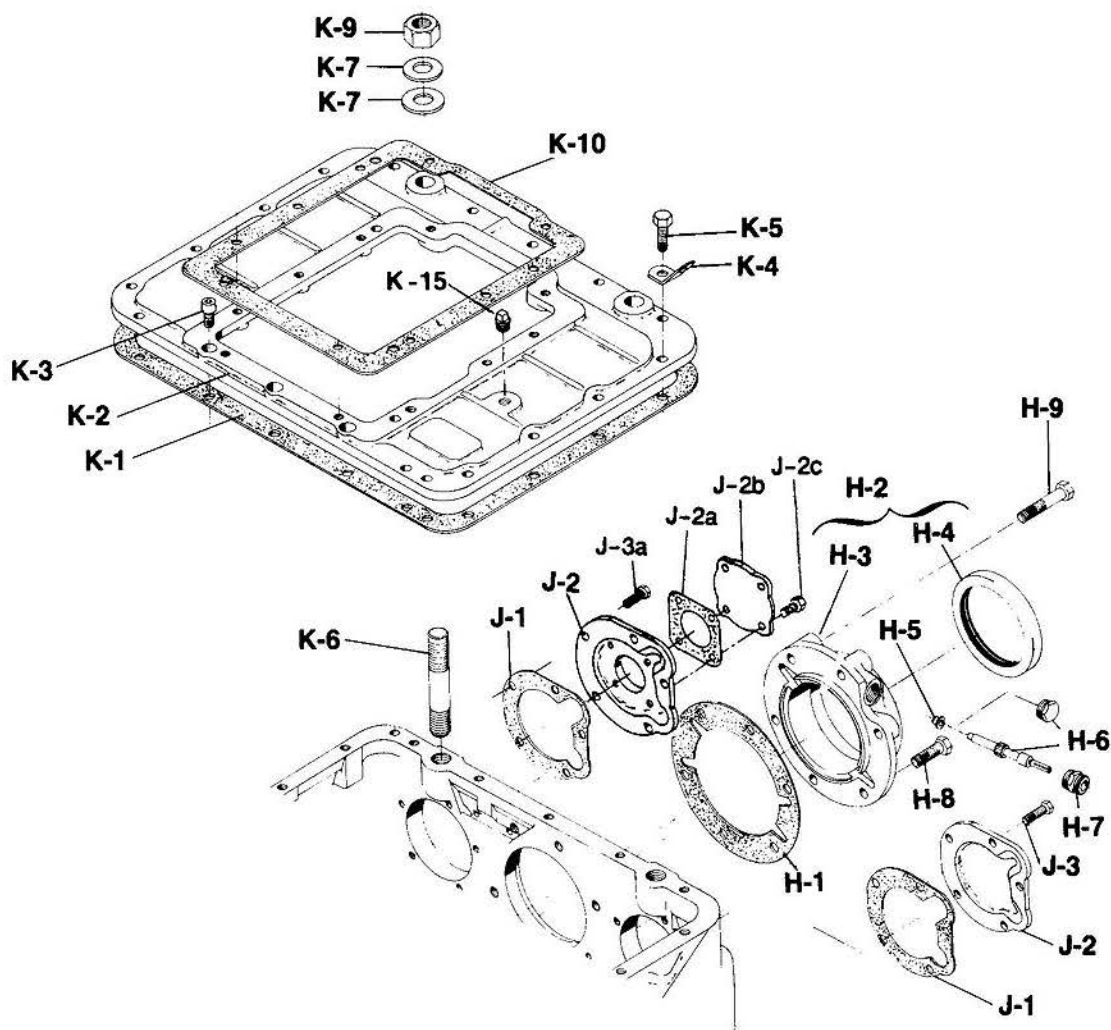
N.S. - Not Shown



| Ref.No.                                          | Part Number  | Part Description                                                             | Qty. |
|--------------------------------------------------|--------------|------------------------------------------------------------------------------|------|
| E-1                                              | 98-223-5     | Gasket                                                                       | 2    |
| E-2                                              | 98-22-1      | Cap                                                                          | 2    |
| E-3                                              | 545002-4     | Bolt - 3/8"-16 x 1 1/8" hex head self-locking                                | 10   |
| <b>Drive Gear Bearing Cap and Retainer Group</b> |              |                                                                              |      |
| F-1                                              | 98-223-1     | Gasket - Drive Gear Bearing Retainer                                         | 1    |
| F-2                                              | 98-360-3-1 X | Retainer Assembly (used with (1) pc. Drive Gear)                             | 1    |
| or                                               | 98-360-4-1X  | Retainer Assembly (used with (2) pc. Drive Gear) (Includes F-1, F-4 and F-6) | 1    |
| F-3                                              | N.S.S.       | Retainer                                                                     | 1    |
| F-4                                              | 4328X        | Breather                                                                     | 1    |
| N.S.                                             | 500113-3     | Plug-Breather hole, Shifter Hsg. (See Ref. No. K-11)                         | 1    |
| N.S.                                             | 500112       | Plug-Breather hole, Top Mount                                                | 1    |
| F-5                                              | 545001-3     | Bolt - 1/2"-13 x 1 3/4" hex head self-locking                                | 6    |
| F-6                                              | 70-223-14    | Gasket - Front Bearing Cap                                                   | 1    |
| F-7                                              | 311726X      | Cap Assembly (Includes F-8 and F-9)                                          | 1    |
| F-8                                              | 70-19-39     | Cap                                                                          | 1    |
| F-9                                              | 82-463-4     | Oil Seal                                                                     | 1    |
| F-10                                             | 545028-2     | Bolt - 7/16"-14 x 1 1/2" hex head self-locking                               | 6    |
| F-11                                             | 70-410-2     | Trunnion                                                                     | 1    |
| <b>Case Group</b>                                |              |                                                                              |      |
|                                                  | 98-15-1-IX   | Case Assembly (Includes G-1 thru G-7)                                        | 1    |
| G-1                                              | N.S.S.       | Case                                                                         | 1    |
| G-2                                              | NP-96        | Nameplate                                                                    | 1    |
| G-3                                              | 252-SP       | Pin - Nameplate                                                              | 4    |
| G-4                                              | 62-39-4      | Drain and Oil line Plug                                                      | 2    |
| G-5                                              | 500114       | Plug - 1/2"-14NPTF Thermocouple                                              | 1    |
| G-6                                              | 50-39-20     | Plug - Magnetic Filler                                                       | 1    |
| G-7                                              | 274-SP       | Dowel Pin                                                                    | 2    |
| G-8                                              | 97-324-2     | Gasket - 8 Bolt PTO opening                                                  | 1    |
| G-9                                              | 73-267-1     | Cover - 8 Bolt PTO opening                                                   | 1    |
| G-10                                             | 545012       | Bolt - 7/16"-14 x 3/4" flanged head self-locking                             | 8    |
| G-11                                             | 97-324-1     | Gasket - 6 Bolt PTO opening                                                  | 1    |
| G-12                                             | 50-267-2     | Cover - 6 Bolt PTO opening                                                   | 1    |
| G-13                                             | 330800       | Bolt - 3/8"-16 x 3/4" flanged head self-locking                              | 6    |

N.S. - Not Shown

N.S.S. - Not Sold Separately



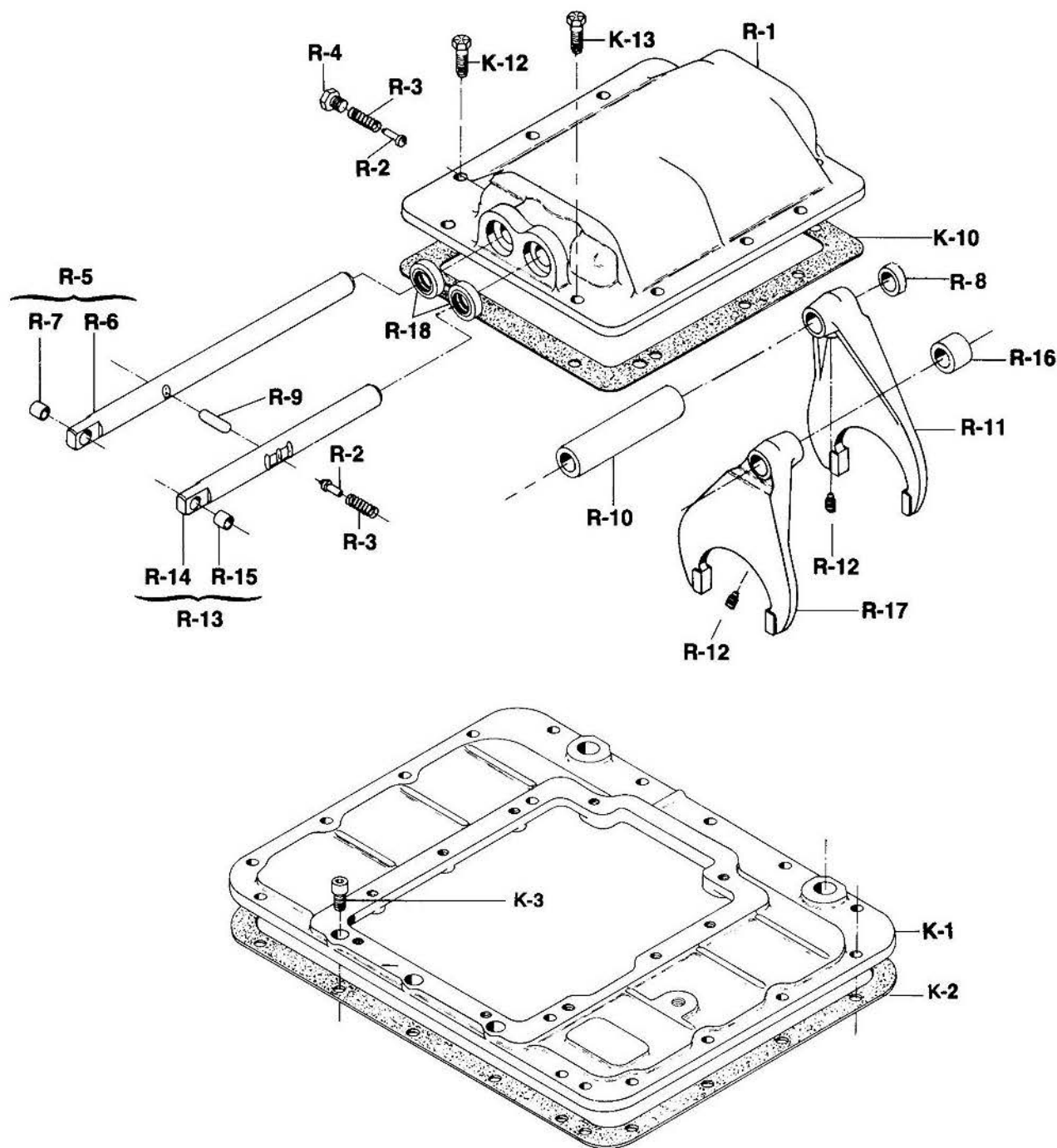
Rear Anchor Stud Chart

| Ref.No | Part Number | Part Description                                                               | Qty |
|--------|-------------|--------------------------------------------------------------------------------|-----|
| K-6    | 330812      | Stud - 7/8" -14 & 7/8" -9 x 5 1/4" rear anchor.....                            | 2   |
| or     | 330812-1    | Stud - 7/8" -14 & 7/8" -9 x 5 3/4" rear anchor.....                            | 2   |
| or     | 330812-2    | Stud - 7/8" -14 & 7/8" -9 x 4 1/8" rear anchor.....                            | 2   |
| or     | 330812-3    | Stud - 7/8" -14 & 7/8" -9 x 4 7/16" rear anchor.....                           | 2   |
| or     | 330812-4    | Stud - 7/8" -14 & 7/8" -9 x 6 3/4" rear anchor.....                            | 2   |
| or     | 330812-5    | Stud - 7/8" -14 & 7/8" -9 x 5" rear anchor.....                                | 2   |
| or     | 330812-7    | Stud - 7/8" -14 & 7/8" -9 x 6" rear anchor.....                                | 2   |
| or     | 330812-8    | Stud - 7/8" -14 & 7/8" -9 x 5 3/4" rear anchor (longer thd. on mntg. end)..... | 2   |
| or     | 330812-9    | Stud - 7/8" -14 & 7/8" -9 x 6 1/4" rear anchor.....                            | 2   |

| Ref.No.                                                               | Part Number | Part Description                                                                   | Qty. |
|-----------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------|------|
| <b>Mainshaft Rear Bearing Cap Group - For Gear Driven Speedometer</b> |             |                                                                                    | 1    |
| H-1                                                                   | 98-223-2    | Gasket                                                                             | 1    |
| H-2                                                                   | 98-19-1-2X  | Bearing Cap Sub-assy. (Includes H-3, H-4 and H-5)                                  | 1    |
| H-3                                                                   | N.S.S.      | Bearing Cap                                                                        | 1    |
| H-4                                                                   | 98-463-1    | Oil Seal                                                                           | 1    |
| H-5                                                                   | 60-475-1    | Speedometer Bushing                                                                | 1    |
| H-6                                                                   | 98-453-1    | Gear - Speedometer Driven (12T)                                                    | 1    |
| or                                                                    | 55-334-1    | Plug (used without Speedometer driven gear)                                        | 1    |
| H-7                                                                   | 98-454-1-1X | Sleeve and Seal Assembly - Speedometer Driven Gear<br>(Includes 98-463-2 Oil Seal) | 1    |
| N.S.                                                                  | 44-539-1    | Dust Cap                                                                           | 1    |
| H-8                                                                   | 545001-4    | Bolt - 1/2"-13 x 1 1/2" hex head self-locking                                      | 4    |
| And                                                                   |             |                                                                                    |      |
| H-9                                                                   | 545001-9    | Bolt - 1/2"-13 x 2 5/8" hex head self-locking                                      | 2    |
| <b>Mainshaft Rear Bearing Cap Group - For Bectronic Speedometer</b>   |             |                                                                                    |      |
| H-1                                                                   | 98-223-2    | Gasket                                                                             | 1    |
| H-2                                                                   | 98-19-5-1X  | Bearing Cap Sub-assembly (Includes H-3,H-4,H-5,55-334-1 & 545021)                  | 1    |
| H-3                                                                   | N.S.S.      | BearingCap                                                                         | 1    |
| H-4                                                                   | 98-463-1    | Oil Seal                                                                           | 1    |
| H-5                                                                   | 60-475-1    | Speedometer Bushing                                                                | 1    |
| N.S.                                                                  | 55-334-1    | Plug - Speedo outlet                                                               | 1    |
| N.S.                                                                  | 545021      | Plug - Electronic Speedo/Cruise                                                    | 4    |
| And                                                                   |             |                                                                                    |      |
| H-9                                                                   | 545001-9    | Bolt - 1/2"-13 x 2 5/8" hex head self-locking                                      | 2    |
| <b>Countershaft Rear Bearing Cap Group</b>                            |             |                                                                                    |      |
| J-1                                                                   | 98-223-4    | Gasket - Right and Left side                                                       | 2    |
| J-2                                                                   | 98-22-3     | Cap - Left side                                                                    | 1    |
| and                                                                   | 98-22-5     | Cap - Right side                                                                   | 1    |
| J-2a                                                                  | 70-223-25   | Gasket - Countershaft Plate                                                        | 1    |
| J-2b                                                                  | 98-20-2     | Plate - Oil Pump opening                                                           | 1    |
| J-2c                                                                  | 545005-2    | Screw - Oil Pump Plate (5/16"-18 x 3/4")                                           | 4    |
| J-3                                                                   | 545002-4    | Bolt - 3/8"-16 x 1 1/8" hex head self-locking                                      | 5    |
| J-3a                                                                  | 545002-6    | Bolt - 3/8"-16 x 1 3/8" hex head self-locking (for right side Cap)                 | 5    |
| <b>Adapter Plate Group</b>                                            |             |                                                                                    |      |
| K-1                                                                   | 98-155-1    | Gasket - Adapter Plate or Shifter Housing                                          | 1    |
| K-2                                                                   | 98-215-3    | Adapter Plate                                                                      | 1    |
| K-3                                                                   | 545094      | Bolt - 7/16"-14 x 7/8" socket head self-locking                                    | 3    |
| K-4                                                                   | 330564-2    | Lift Hook                                                                          | 2    |
| K-5                                                                   | 545028      | Bolt - 7/16"-14 x 1 1/4" hex head self-locking                                     | 15   |
| K-6                                                                   | See Chart   | Stud - Rear Anchor                                                                 | 2    |
| K-7                                                                   | 16-W        | Washer - 7/8" ID case rear anchor stud spacer                                      | 4    |
| K-9                                                                   | 500371-9    | Nut - 7/8-14 hex                                                                   | 2    |
| K-10                                                                  | 70-155-4    | Gasket - Shifter Housing and PTO                                                   | 1    |
| K-15                                                                  | 500114      | Plug - Oil Cooler return hole                                                      | 1    |

N.S. - Not Shown

N.S.S. - Not Sold Separately

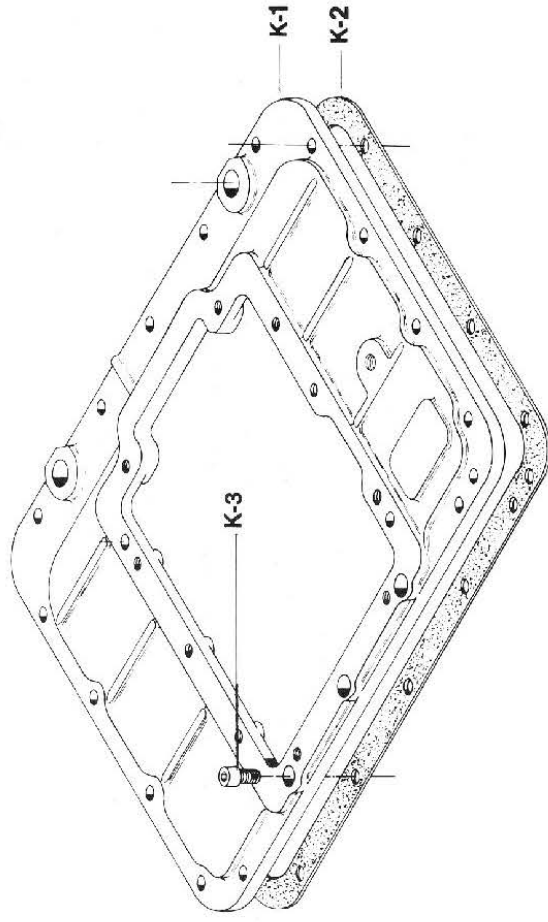
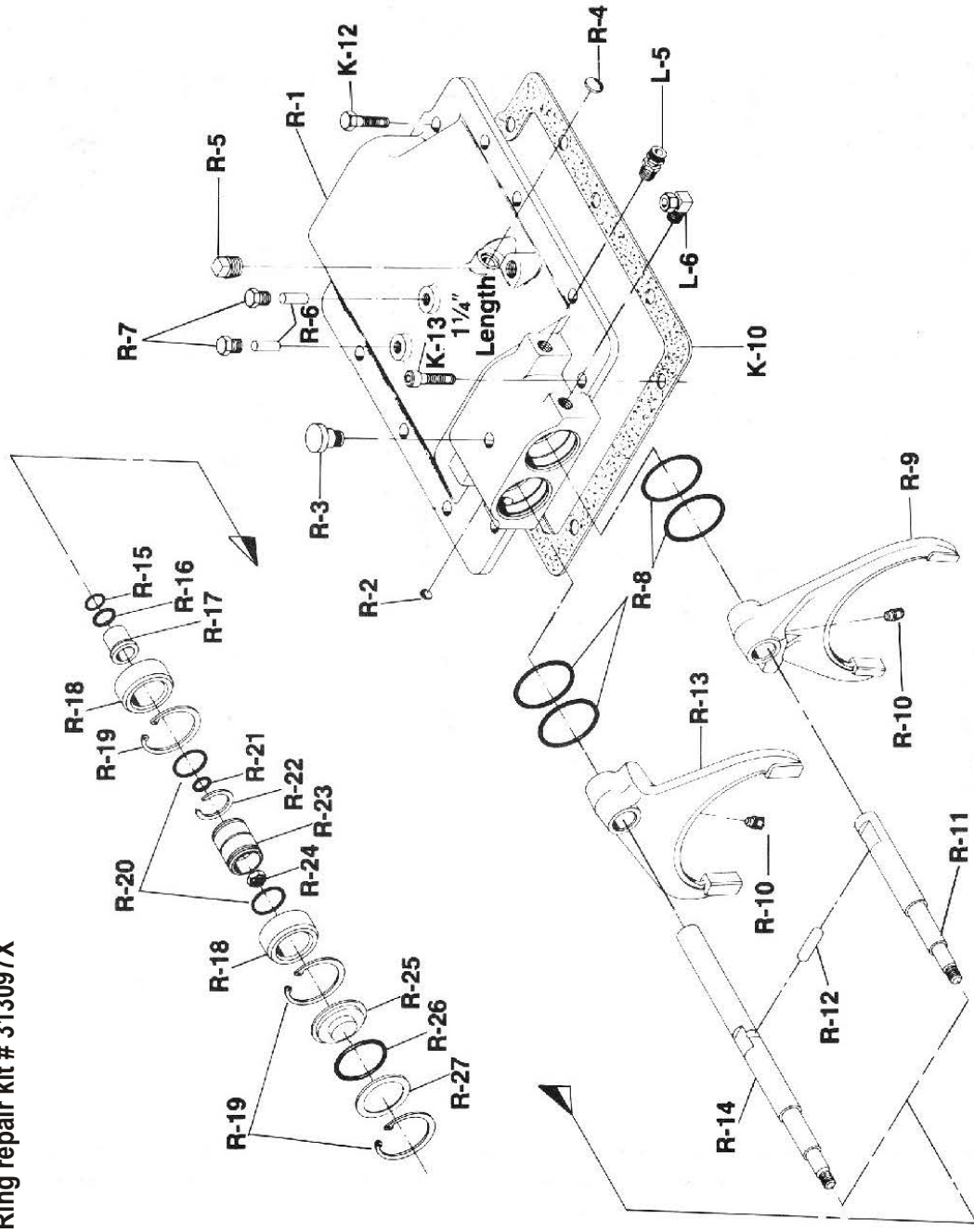


| Ref.No.                                         | Part Number   | Part Description                                                                               | 70-16-10 |     |      |     |      |      |
|-------------------------------------------------|---------------|------------------------------------------------------------------------------------------------|----------|-----|------|-----|------|------|
|                                                 |               |                                                                                                | -7X      | -8X | -11X | 12X | -13X | -14X |
|                                                 | See Tab Bills | Shifter Housing Assembly                                                                       | 1        | 1   | 1    | 1   | 1    | 1    |
| R-1                                             | 70-16-10      | Shifter Housing                                                                                | 1        | 1   | 1    | 1   | 1    | 1    |
| R-2                                             | 97-438-34     | Poppet - Shift Rod                                                                             | 2        | 2   | 2    | 2   | 2    | 2    |
| R-3                                             | 97-72-38      | Spring - Shift Rod Poppet                                                                      | 2        | 2   | 2    | 2   | 2    | 2    |
| R-4                                             | 59-3          | Plug-poppet hole screw (1/2"-20)                                                               | 1        | 1   | 1    | 1   | 1    | 1    |
| R-5                                             | 98-67-14-1X   | Shift Rod and Bushing Assembly -<br>1st and 2nd speed (includes R-6 & R-7)                     | 1        | 1   | 1    | 1   | 1    | 1    |
| R-6                                             | N.S.S.        | Shift Rod                                                                                      | 1        | 1   | 1    | 1   | 1    | 1    |
| R-7                                             | 71-24-14      | Bushing                                                                                        | 1        | 1   | 1    | 1   | 1    | 1    |
| R-8                                             | 203-9         | Sleeve-1st Speed lockout                                                                       |          |     |      | 1   | 1    |      |
| R-9                                             | 70-12-1       | Interloc                                                                                       | 1        | 1   | 1    | 1   | 1    | 1    |
| R-10                                            | 70-203-2      | Sleeve - 2nd speed stop (5 7/8" long)                                                          | 1        | 1   | 1    | 1   | 1    | 1    |
| R-11                                            | 98-66-12      | Shift Fork-1st and 2nd speed                                                                   | 1        | 1   | 1    | 1   | 1    | 1    |
| R-12                                            | 545063        | Screw - 7/16"-20 x .750" alien head self-locking                                               | 2        | 2   | 2    | 2   | 2    | 2    |
| R-13                                            | 98-67-15-1X   | Shift Rod & Bushing Assembly - 3rd and 4th speed                                               | 1        | 1   | 1    | 1   | 1    | 1    |
| R-14                                            | N.S.S.        | Shift Rod (includes R-14 & R-15)                                                               | 1        | 1   | 1    | 1   | 1    | 1    |
| R-15                                            | 71-24-14      | Bushing                                                                                        | 1        | 1   | 1    | 1   | 1    | 1    |
| R-16                                            | 72-203-5      | Sleeve - Overdrive lockout - length 21/32"                                                     |          | 1   |      | 1   |      | 1    |
| R-17                                            | 98-66-12      | Shift Fork - 3rd and 4th speed                                                                 | 1        | 1   | 1    | 1   | 1    | 1    |
| R-18                                            | 61-463-4      | Oil Seal - Shift Rod                                                                           | 2        | 2   | 2    | 2   | 2    | 2    |
| K-1                                             | 98-215-3      | Adapter Plate                                                                                  | 1        | 1   |      |     |      |      |
| K-10                                            | 70-155-4      | Gasket - Shifter Housing                                                                       | 1        | 1   |      |     |      |      |
| K-12                                            | 545028-4      | Screw - 7/16"-14x 1.00" hex head self-locking                                                  | 8        | 8   |      |     |      |      |
| K-13                                            | 545028-5      | Screw - 7/16"-14x 1 1/8" hex head self-locking<br>(used in right and left front hole as shown) | 2        | 2   |      |     |      |      |
| K-2                                             | 98-155-1      | Gasket - Adapter Plate to aux                                                                  |          |     |      |     |      |      |
| PARTS LISTED BELOW ARE NOT INCLUDED IN ASSEMBLY |               |                                                                                                |          |     |      |     |      |      |
| K-10                                            | 70-155-4      | Gasket - Shifter Housing                                                                       |          |     | 1    | 1   | 1    | 1    |
| K-12                                            | 545028-4      | Screw - 7/16"- 14x 1.00" hex head self-locking                                                 |          |     | 8    | 8   | 8    | 8    |
| K-13                                            | 545028-5      | Screw - 7/16"-14x 1 1/8" hex head self-locking<br>(used in right and left front hole as shown) |          |     | 2    | 2   | 2    | 2    |

N.S.S. - Not Sold Separately

Air-Matic Shift

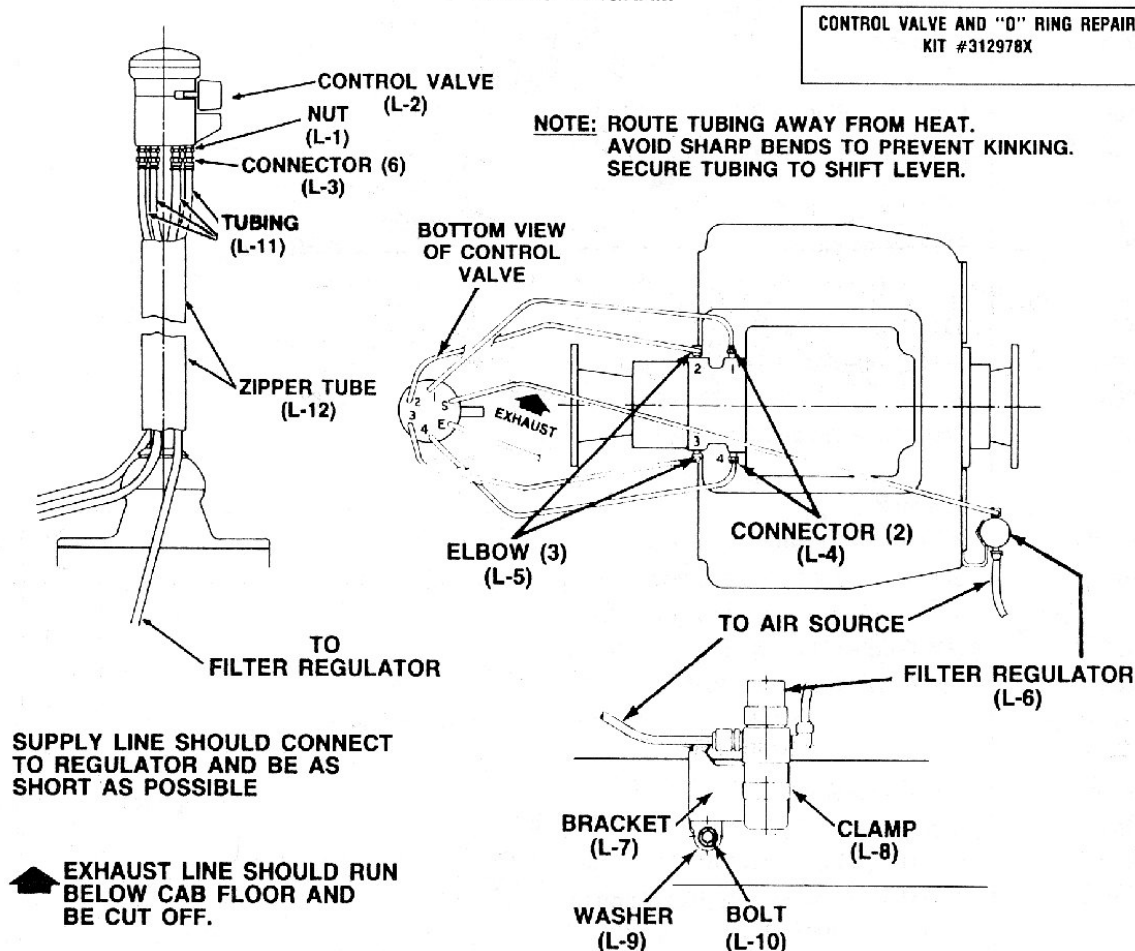
"O" Ring repair kit # 313097X



| Ref.No.                                                                    | Part Number | Part Description                                              | Qty |
|----------------------------------------------------------------------------|-------------|---------------------------------------------------------------|-----|
|                                                                            | 70-16-14-2X | Air-Matic Shifter Housing Assembly                            | 1   |
|                                                                            | 70-16-14-4X | Shifter Housing and Breather Assembly (includes R-1 thru R-3) | 1   |
| R-1                                                                        | N.S.S.      | Shifter Housing                                               | 1   |
| R-2                                                                        | 500166-5    | Expansion Plug - 7/16"                                        | 1   |
| R-3                                                                        | 312268      | Breather 1                                                    | 1   |
| R-4                                                                        | 500166-8    | Expansion Plug - 5/8"                                         | 1   |
| R-5                                                                        | 500113      | Plug - breather hole                                          | 1   |
| R-6                                                                        | 70-438-1    | Pin - Shift rod stop                                          | 2   |
| R-7                                                                        | 59-3        | Plug - stop pin                                               | 2   |
| R-8                                                                        | 70-463-3    | "O" Ring - outer piston 4                                     | 4   |
| R-9                                                                        | 70-66-28    | Shift Fork - 3rd and 4th speed                                | 1   |
| R-10                                                                       | 545063      | Screw - 7/16"-20 x .750" Allen head self-locking              | 2   |
| R-11                                                                       | 98-67-8     | Shift Rod - 3rd and 4th speed                                 | 1   |
| R-12                                                                       | 52-12-3     | Interlock                                                     | 1   |
| R-13                                                                       | 70-66-28    | Shift Fork - 1st and 2nd speed                                | 1   |
| R-14                                                                       | 98-67-7     | Shift Rod - 1st and 2nd speed                                 | 1   |
| R-15                                                                       | 70-463-6    | "O" Ring - piston rod bushing internal                        | 2   |
| R-16                                                                       | 97-463-7    | "O" Ring - piston rod bushing outer                           | 2   |
| R-17                                                                       | 70-24-2     | Bushing - piston rod                                          | 2   |
| R-18                                                                       | 70-136-1    | Piston-external                                               | 4   |
| R-19                                                                       | 80-381-7    | Snapping                                                      | 6   |
| R-20                                                                       | 70-463-7    | "O" Ring - internal piston                                    | 4   |
| R-21                                                                       | 70-463-4    | "O" Ring - internal piston to piston rod                      | 2   |
| R-22                                                                       | 70-381-9    | Snap Ring - internal piston                                   | 2   |
| R-23                                                                       | 70-136-3    | Piston - internal                                             | 2   |
| R-24                                                                       | 545045      | Nut- 7/16" -20 hex nylon patch self-locking                   | 2   |
| R-25                                                                       | 70-96-2     | Cap - piston end                                              | 2   |
| R-26                                                                       | 70-463-1    | "O" Ring - piston end cap                                     | 2   |
| R-27                                                                       | 330868      | Washer - piston end cap                                       | 2   |
| <b>PARTS LISTED BELOW ARE NOT INCLUDED IN ASSEMBLY</b>                     |             |                                                               |     |
| K-10                                                                       | 70-155-4    | Gasket - shifter housing                                      | 1   |
| K-12                                                                       | 545028      | Screw - 7/16"-14 x 1 1/4" hex head self-locking               | 8   |
| K-13                                                                       | 545040-1    | 1 Screw - 7/16"-14x 1 1/4" socket head self-locking           | 2   |
| <b>CONTROL VALVE PARTS</b> (part of 313127X see page 16 for complete list) |             |                                                               |     |
| L-5                                                                        | 312526-1    | Connector                                                     | 2   |
| L-6                                                                        | 545025-1    | Elbow - nylon tubing                                          | 3   |

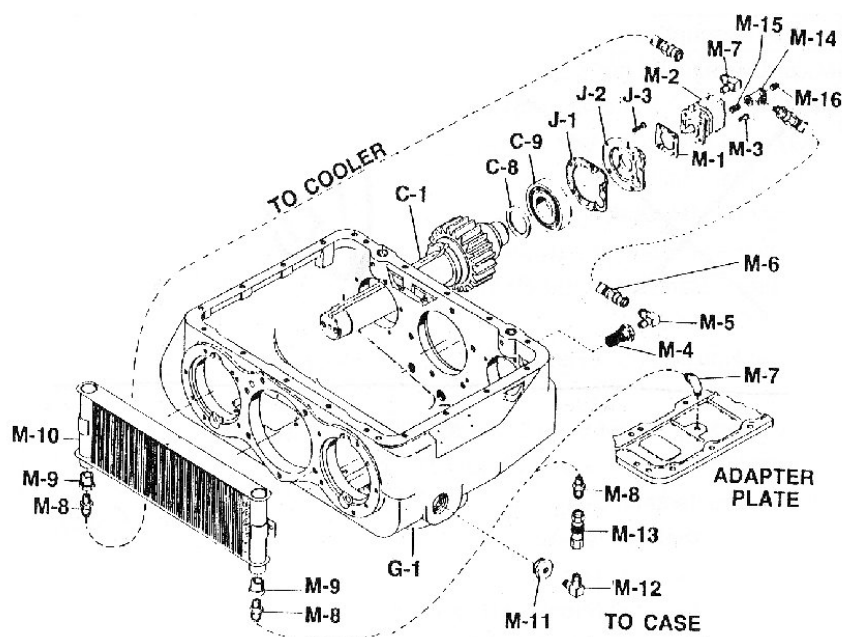
N.S.S. - Not Sold Separately

## TUBING DIAGRAM



| Ref No. | Part Number | Part Description                        | 313127 |     |     |
|---------|-------------|-----------------------------------------|--------|-----|-----|
|         |             |                                         | -X     | -1X | -2X |
| L-1     | 500803      | Nut-Shift Lever jam                     | 1      |     | 1   |
| L-2     | 313179      | Valve-Control                           | 1      |     | 1   |
| L-3     | 312526      | Connector                               | 6      |     | 6   |
| L-4     | 312526-1    | Connector                               | 2      | 2   | 2   |
| L-5     | 545025-1    | Elbow                                   | 3      | 3   | 3   |
| L-6     | 313042      | Filter Regulator                        | 1      | 1   | 1   |
| L-7     | 97-411-19   | Bracket - Filter Regulator              | 1      | 1   | 1   |
| L-8     | 330831      | Clamp - Filter Regulator                | 1      | 1   | 1   |
| L-9     | 500365-26   | Washer - 13/32" flat                    | 2      | 2   | 2   |
| L-10    | 545002-1    | Bolt-3/8"-16x7/8" hex head self-locking | 2      | 2   | 2   |
| L-11    | 85-420-1-1  | Tubing-Nylon Air Line (100 feet)        | 1      |     | 1   |
| L-11    | 85-420-1    | Tubing - Nylon Air Line (50 feet)       |        |     | 1   |
| L-12    | 330716-1    | Tubing - zipper type (3 feet)           | 1      |     | 1   |
| N.S.    | 330717      | Slider-zip                              | 1      |     | 1   |

N.S. - Not Shown



| Ref No.   | Part Number                               | Part Description                                          | 313231 |     |     |
|-----------|-------------------------------------------|-----------------------------------------------------------|--------|-----|-----|
|           |                                           |                                                           | -X     | -1X | -2X |
| 313231-4X | Oil Pump Kit                              |                                                           | 1      | 1   | 1   |
| M-1       | 70-223-25                                 | Gasket - Oil Pump                                         | 1      | 1   | 1   |
| M-2       | 313292                                    | Oil Pump Assy. (Serviced as 313292-1 X which incl. M-1)   | 1      | 1   | 1   |
| C-8       | 97-381-34                                 | Spacer - Countershaft Rear Bearing                        | 1      | 1   | 1   |
| J-1       | 98-223-4                                  | Gasket - Countershaft Rear Bearing Cap                    | 1      | 1   | 1   |
| J-2       | 98-22-5                                   | Bearing Cap - Countershaft rear                           | 1      | 1   | 1   |
| J-3       | 545002-6                                  | Bolt - 3/8"-16 x 1 1/4" hex head self-locking             | 5      | 5   | 5   |
| M-3       | 545005-7                                  | Bolt - (5/16" -18 x 7/8")                                 |        |     |     |
|           | Discard screws from plate on C/S Brg. Cap |                                                           | 4      | 4   | 4   |
| 313231-5X | Oil Cooler and Plumbing Kit               |                                                           | 1      | 1   | 1   |
| M-10      | 313110 *                                  | Oil Cooler Assembly                                       | 1      | 1   | 1   |
| M-4       | 313229                                    | Oil Filter                                                | 1      | 1   | 1   |
| M-5       | 545051                                    | Elbow - 90 deg. Case outlet                               | 1      | 1   | 1   |
| M-6       | 313117-3                                  | Hose Assembly - Case to pump                              | 1      | 1   | 1   |
| M-7       | 545051                                    | Elbow - pump outlet                                       | 2      | 2   | 2   |
| M-8       | 545036                                    | Adapter - case inlet, cooler inlet & outlet               | 3      | 3   | 3   |
| M-9       | 500714-14                                 | Reducer Bushing - cooler inlet & outlet                   | 2      | 2   | 2   |
| M-11      | 500714-18                                 | Reducer Bushing - case inlet                              | 1      | 1   | 1   |
| M-12      | 545054                                    | Elbow - 90 deg. case inlet                                | 1      | 1   | 1   |
| M-13      | 545053                                    | Quick Disconnect Coupling - case inlet                    | 1      | 1   | 1   |
| M-14      | 545146                                    | Tee - Pipe (Pump inlet)                                   | 1      | 1   | 1   |
| M-15      | 545049-1                                  | Nipple - Pump Inlet                                       | 1      | 1   | 1   |
| M-16      | 500114                                    | Plug - (End of Pipe Tee)                                  | 1      | 1   | 1   |
| C-1       | 99-30-1-1X                                | Countershaft (21T) - Model AMO/APO1000-4C, AMO/APO1750-4C |        | 1   |     |
|           | 99-30-10-1X                               | Countershaft (27T) - Modes AMO/APO1000-4C, AMO/APO1750-4C |        |     | 1   |

\* Also available is 313480 Heat Exchanger Assy. All plumbing hardware is the same as shown in 313231-1X and can be ordered as individual components.

Existing Oil Cooler Systems can be serviced with individual components.

| Part Number       | Part Description                                                       | Qty      |
|-------------------|------------------------------------------------------------------------|----------|
| <b>98-400-1X</b>  | <b>Major Overhaul Kit (for Base B/M's 301393,301394,301395.)</b>       | <b>1</b> |
| 98-210-2          | Key - Countershaft Gear                                                | 2        |
| 545047            | Nut - Mainshaft (1 3/4"-12)                                            | 2        |
| 330734            | Washer - Mainshaft Nut                                                 | 2        |
| 330810            | Washer - Mainshaft thrust (24T) external                               | 1        |
| 330869            | Washer-Mainshaft thrust (18T) internal                                 | 1        |
| 98-432-1X         | Minor Overhaul Kit                                                     | 1        |
| 313429-21X        | Shifter Housing Parts Repair Kit                                       | 1        |
| <b>98-432-1X</b>  | <b>Minor Overhaul Kit (Included in Major Overhaul Kit 313400-61 X)</b> | <b>1</b> |
|                   | <b>Bearings</b>                                                        |          |
| 550982            | Front Input Bearing                                                    |          |
| 550908            | Bearing - Drive Gear Front                                             | 1        |
| 550914            | Bearing - Drive Gear Rear                                              | 1        |
| 550720            | Countershaft Rear                                                      | 2        |
| 550952            | Countershaft Front                                                     | 2        |
| 550889            | Drive Gear/Input Shaft Pocket                                          | 1        |
| 550908            | Drive Gear Front                                                       | 1        |
| 550914            | Drive Gear Rear                                                        | 1        |
| 550925            | Mainshaft Rear                                                         | 1        |
| 82-463-4          | Oil Seal - Drive Gear Bearing Cap                                      | 1        |
| 98-463-1          | Oil Seal - Mainshaft Rear Bearing Cap                                  | 1        |
| 545077            | Bearing Lubricant - Packet #2 Moly grease                              | 1        |
| 545080-1          | Anaerobic Sealant - Mainshaft Nut                                      | 1        |
| 747-D             | Screw - Countershaft Retaining Washer                                  | 4        |
| 636-W             | Washer - Countershaft Retaining                                        | 2        |
| 2770              | Bulletin - Pocket Bearing Lube Inst.                                   | 1        |
| 2776              | Bulletin - Overhaul Kit Inst                                           | 1        |
| 2783              | Bulletin - Mainshaft Nuts                                              | 1        |
| 2747              | Bulletin - Control Piping Diagram                                      | 1        |
| 2876              | Bulletin - Minor Overhaul Kit Instructions                             | 1        |
| 2879              | Bulletin - Electronic Service Manuals                                  | 1        |
| <b>312475-25X</b> | <b>Gasket Kit</b>                                                      | <b>1</b> |
| <b>313024-24X</b> | <b>Snap Ring Kit</b>                                                   | <b>1</b> |

| Part Number       | Part Description                                                         | Qty      |
|-------------------|--------------------------------------------------------------------------|----------|
| <b>313429-21X</b> | <b>Shifter Housing Repair Kit (Included in both Major Overhaul Kits)</b> | <b>1</b> |
| 50-80-5           | Ball - Shift Rod Poppet                                                  | 2        |
| 71-24-14          | Bushing                                                                  | 2        |
| 70-12-1           | Interlock (AMO/ATO1000-4 & 1750-4)                                       | 1        |
| 52-12-3           | Interlock (APO1000-4 & 1750-4)                                           | 1        |
| 274-SP            | Pin - Case/Shifter Housing Dowel                                         | 2        |
| 59-3              | Plug - Shift Rod Poppet                                                  | 2        |
| 71-459-1          | Plunger - Shift Rod Poppet                                               | 2        |
| 97-438-34         | Poppet - Shift Rod                                                       | 2        |
| 61-463-4          | Seal - Shift Rod Oil                                                     | 2        |
| 72-203-5          | Sleeve - Overdrive Lockout (.656" long)                                  | 1        |
| 70-203-2          | Sleeve - 2nd Speed stop (5.875" long)                                    | 1        |
| 97-72-38          | Spring - Shift Rod Poppet (used for Manual Shift only)                   | 2        |
| 97-72-4           | Spring - Shift Rod Poppet Ball                                           | 2        |
| <b>312475-25X</b> | <b>Gasket Kit - (Included in both Minor Overhaul Kits)</b>               | <b>1</b> |
| 97-324-1          | Gasket - (6) Bolt PTO                                                    | 1        |
| 97-324-2          | Gasket - (8) Bolt PTO                                                    | 1        |
| 98-155-1          | Gasket - Adapter Plate to Transmission Case                              | 1        |
| 98-223-5          | Gasket - Countershaft Front Bearing Cap                                  | 2        |
| 98-223-4          | Gasket - Countershaft Rear Bearing Cap                                   | 2        |
| 70-223-14         | Gasket - Drive Gear Bearing Cap                                          | 1        |
| 98-223-1          | Gasket - Drive Gear Bearing Retainer                                     | 1        |
| 98-223-2          | Gasket - Mainshaft Rear Bearing Cap                                      | 1        |
| 70-155-4          | Gasket - Shifter Housing or Top Mount PTO                                | 1        |
| <b>313024-24X</b> | <b>Snap Ring Kit - (Included in both Minor Overhaul Kits)</b>            | <b>1</b> |
| 97-381-30         | Countershaft Front Bearing Retaining                                     | 2        |
| 98-381-6          | Ring - Input Shaft External (used for (2)pc. Drive Gear only)            | 1        |
| 97-381-32         | Ring - Drive Gear Internal (used for (2)pc. Drive Gear only)             | 1        |
| 98-381-2          | Ring - Mainshaft Internal (large)                                        | 3        |
| 98-381-1          | Ring - Mainshaft External (large)                                        | 3        |
| 97-381-6          | Ring - Speedometer Drive Gear                                            | 1        |

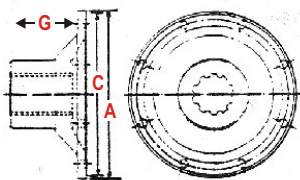
| Part Number                                       | Part Description                                              | Qty      |
|---------------------------------------------------|---------------------------------------------------------------|----------|
| KITS NOT INCLUDED IN MAJOR OR MINOR OVERHAUL KITS |                                                               |          |
| <b>313097X</b>                                    | <b>"O" Ring Kit - (To Service Air Shifter Housing)</b>        | <b>1</b> |
| 70-24-2                                           | Bushing - Piston Rod                                          | 2        |
| 500166-8                                          | Plug-Welch                                                    | 1        |
| 80-381-7                                          | "O" Ring - Cylinder Snap                                      | 6        |
| 70-463-1                                          | "O" Ring - End Cap                                            | 2        |
| 70-463-7                                          | "O" Ring - Internal Piston                                    | 4        |
| 70-381-9                                          | "O" Ring - Internal Piston Snap                               | 2        |
| 70-463-3                                          | "O" Ring - Outer Piston                                       | 4        |
| 70-463-6                                          | "O" Ring - Piston Rod Bushing "O" (internal)                  | 2        |
| 70-463-4                                          | "O" Ring - Piston                                             | 2        |
| 97-463-7                                          | "O" Ring - Splitter or Range Valve Housing                    | 2        |
| 330895                                            | Lubricant - "O" Ring                                          | 1        |
| 2718                                              | Bulletin - Installation Instructions                          | 1        |
| 2726                                              | Bulletin - "O" Ring Repair                                    | 1        |
| <b>312475-26X</b>                                 | <b>Gasket Kit - (To Service Units with Top Mounted PTO's)</b> | <b>1</b> |
| 97-324-1                                          | Gasket - (6) Bolt PTO                                         | 1        |
| <b>97-324-2-1 X</b>                               | <b>Gasket - (8) Bolt PTO</b>                                  | <b>1</b> |
| 98-155-2                                          | Gasket - Adapter Plate to PTO Case                            | 1        |
| 98-155-1                                          | Gasket - Adapter Plate to Transmission Case                   | 1        |
| 98-223-5                                          | Gasket - Countershaft Front Bearing Cap                       | 2        |
| 98-223-4                                          | Gasket - Countershaft Rear Bearing Cap                        | 2        |
| 70-223-14                                         | Gasket - Drive Gear Bearing Cap                               | 1        |
| 98-223-1                                          | Gasket - Drive Gear Bearing Retainer                          | 1        |
| 98-223-2                                          | Gasket - Mainshaft Rear Bearing Cap                           | 1        |
| 70-223-26                                         | Gasket - Output Shaft Front & Rear Bearing Cap                | 2        |
| 70-223-24                                         | Gasket - Output Shaft Rear Bearing Cap                        | 1        |
| 70-223-25                                         | Gasket - PTO Oil Pump Mounting                                | 1        |
| 70-223-23                                         | Gasket - Reverse Shaft Front & Rear Bearing Cap               | 1        |

| Part Number                                       | Part Description                                                        | Qty      |
|---------------------------------------------------|-------------------------------------------------------------------------|----------|
| KITS NOT INCLUDED IN MAJOR OR MINOR OVERHAUL KITS |                                                                         |          |
| <b>312477-32X</b>                                 | <b>Small Parts Kit - (used to Service Units with Top Mounted PTO's)</b> | <b>1</b> |
| 50-80-1                                           | Ball - Shift Rod Poppet                                                 | 3        |
| 70-12-1                                           | Interlock                                                               | 1        |
| 98-210-2                                          | Key - Countershaft Gear                                                 | 2        |
| 425-SPP                                           | in - Output Drive Gear Sleeve (PTO)                                     | 1        |
| 97-381-30                                         | Snap Ring - Countershaft Front Bearing Retaining                        | 2        |
| 98-381-2                                          | Snap Ring - Mainshaft Internal                                          | 3        |
| 98-381-1                                          | Snap Ring - Mainshaft External                                          | 3        |
| 98-381-3                                          | Snap Ring - Output Drive Gear (PTO)                                     | 1        |
| 70-381-5                                          | Snap Ring - Reverse Gear Shaft                                          | 2        |
| 97-381-6                                          | Snap Ring - Speedometer Drive Gear                                      | 1        |
| 747-DS                                            | crew - Countershaft Front Bearing Retainer Washer                       | 4        |
| 61-463-4                                          | Oil Seal - Output Gear Shift Rod (PTO)                                  | 4        |
| 22-72-5                                           | Spring - Poppet Output Gear Shift Rod (PTO)                             | 1        |
| 22-72-2                                           | Spring - Shift Rod Poppet                                               | 2        |
| 636-W                                             | Washer - Countershaft Front Bearing Retainer                            | 2        |
| 330869                                            | Washer - Mainshaft Internal Thrust (18T) (large)                        | 3        |
| 330810                                            | Washer - Mainshaft External Thrust (24T)                                | 3        |

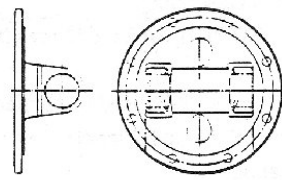
## Bearing Kits for Top Mount PTO Assemblies

|                   |                                             |          |
|-------------------|---------------------------------------------|----------|
| <b>312476-22X</b> | <b>Cylindrical Roller Style Bearing Kit</b> | <b>1</b> |
| 550912            | Bearing Cone - Intermediate Gear Front      | 1        |
| 550913            | Bearing Cup - Intermediate Gear Front       | 1        |
| 550183            | Bearing Cone - Intermediate Gear Rear       | 1        |
| 550228            | Bearing Cup - Intermediate Gear Rear        | 1        |
| 550940            | Bearing - Output Shaft Front and Rear       | 2        |
| 550941            | Bearing - Reverse Shaft Front and Rear      | 2        |

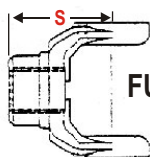
COMPANION FLANGE



FLANGE YOKE



| Joint Series | <b>A</b>        | Companion Flange Sub-Assy. | Consists of                                       |         | <b>G</b>                         | <b>C</b>                 | Flange Yoke | Flange Yoke 1650 Series |
|--------------|-----------------|----------------------------|---------------------------------------------------|---------|----------------------------------|--------------------------|-------------|-------------------------|
|              | Flange Diameter |                            | Companion Flange                                  | Slinger | End of Hub To Flange Face Length | Pilot Dia F-Femal M-Male |             |                         |
| 1710<br>1810 | 8.0"            | 6-1-5691X                  | Front of AMO/AP01000-4 & 1750-4 2.594"-20T Spline |         |                                  | 3.000"                   | F-7 3/4"    |                         |
|              | 8.0"            | 6.5-1-2501X                | 6-1-4881                                          | 231745  | 3.000"                           | F-7 3/4"                 |             |                         |
| 1810         | 8.0"            |                            | Rear of AMO/AP01000-4 & 1750-4 2.747"-10T Spline  |         |                                  |                          |             |                         |
|              |                 |                            | 6.5-1-1991                                        | 231745  | 3.000"                           | F-7 3/4"                 |             |                         |
| 1810         | 8.0"            |                            | 6.5-1-1871                                        |         | 3.750"                           | F-7 3/4"                 | 6.5-2-329"  |                         |



FULL ROUND



U-BOLT - BRG. STRAP - HALF ROUND

| Joint Series | End Yoke Sub-Assembly | Consists of                                      |         | S<br>End of Hub To Center Face Length | Momentary Joint Angle |
|--------------|-----------------------|--------------------------------------------------|---------|---------------------------------------|-----------------------|
|              |                       | Yoke                                             | Slinger |                                       |                       |
|              |                       | Front of AMO/APO1000-4 &1750-4 2.632"-20T Spline |         |                                       |                       |
| 1710         | 6-4-7071 X            | 6/4/5351                                         | 231745  | 5 3/16"                               | 21 deg.               |
| 1710         | 6-4-7071-1X           | 6-4-5351-1                                       | 231745  | 5 3/16"                               | 21 deg.               |
| 1760         | 6.3-4-871 X           | 6.3-4-41                                         | 231745  | 5 9/16"                               | 30 deg.               |
| 1760         | 6.3-4-871-1X          | 6.3-4-41-1                                       | 231745  | 5 9/16"                               | 30 deg.               |
| 1810         | 6.5-4-3541 X          | 6.5-4-3021                                       | 231745  | 5 9/16"                               | 30 deg.               |
| 1810         | 6.5-4-3541-1X         | 6.5-4-3021-1                                     | 231745  | 5 9/16"                               | 30 deg.               |
|              |                       | Rear of AMO/APO1000-4 & 1750-4 2.749"-10T Spline |         |                                       |                       |
| 1710         |                       | 6-4-4651                                         |         | 5 5/16"                               | 20 deg.               |
| 1710         |                       | 6-4-4651-1                                       |         | 5 5/16"                               | 20 deg.               |
| 1760         |                       | 6.3-4-61                                         |         | 6"                                    | 30 deg.               |
| 1760         |                       | 6.3-4-61-1                                       |         | 6"                                    | 30 deg.               |
| 1810         |                       | 6.5-4-2171                                       |         | 6"                                    | 30 deg.               |
| 1810         |                       | 6.5-4-2171-1                                     |         | 6"                                    | 30 deg.               |
| SDC250       |                       | 250-4-551-1                                      |         | 6 9/32"                               | 30 deg.               |

# TABULATED BILLS OF MATERIALS

MODELS:

Manual Shift

AMO1000-4 & 1750-4

| Tab No.                   | Used by          | Trunnion                    | Flange or Yoke              |                        | Speedometer            |                         | Shifter Housing Assembly | Top Mounted PTO |           |
|---------------------------|------------------|-----------------------------|-----------------------------|------------------------|------------------------|-------------------------|--------------------------|-----------------|-----------|
|                           |                  |                             | Front                       | Rear                   | Drive Gear             | Driven Gear             |                          |                 |           |
| 301474 - Model AMO1000-4C |                  |                             |                             |                        |                        |                         |                          |                 |           |
| -1                        | Freightliner     |                             | 6-4-7071 X                  |                        | 98-452-1      98-453-1 |                         | 70-16-10-11X             |                 |           |
| +2                        | Navistar         |                             |                             |                        |                        |                         | 70-16-10-11X             |                 |           |
| s-3                       | Service          |                             |                             |                        |                        |                         |                          |                 |           |
| +S-4                      | Peterbilt        |                             |                             |                        |                        |                         |                          |                 |           |
| -5                        | Mack             |                             |                             |                        |                        |                         |                          |                 |           |
| +6                        | Navistar         |                             | 6.5-4-3541X      6.5-4-2171 |                        | 98-452-1      98-453-1 |                         |                          | 313254-3X       |           |
| -7                        | Can. Kenworth    |                             |                             |                        |                        |                         | 313254-3X                |                 |           |
| -8                        | Mack             |                             |                             |                        |                        |                         | 313254-3X                |                 |           |
| +--9                      | Navistar         |                             |                             |                        |                        |                         | 70-16-10-11X             |                 |           |
| -10                       | Mack             |                             |                             |                        |                        |                         | 98-452-1      98-453-1   | 313254-3X       |           |
| +11                       | Freightliner     | 6-4-7071 X      3-4-4651    |                             | 98-452-2               |                        | 70-16-10-11X            |                          |                 |           |
| +12                       | Kenworth         |                             |                             |                        |                        | 70-16-10-11X            |                          |                 |           |
| +13                       | Pbterbilt        |                             |                             |                        |                        | 70-16-10-11X            |                          |                 |           |
| +14                       | Kenworth         |                             |                             |                        |                        | 6-4-7071X      6-4-4651 |                          | 98-452-2        | 313254-3X |
| +15                       | VolvoGM          |                             |                             |                        |                        | 70-16-10-11X            |                          |                 |           |
| +16                       | Navistar         | 6-4-7071-1X                 |                             | 98-452-2      98-453-1 |                        | 70-16-10-11X            |                          |                 |           |
| +17                       | Peterbilt        |                             |                             |                        |                        | 70-16-10-11X            |                          |                 |           |
| +18                       | Peterbilt        |                             |                             |                        |                        | 313254-3X               |                          |                 |           |
| -19                       | VolvoGM          |                             |                             |                        |                        | 70-16-10-11X            |                          |                 |           |
| +20                       | Freightliner     |                             |                             |                        |                        | 98-452-2                |                          | 313254-3X       |           |
| +21                       | Kenworth         | 6-4-7071-1X      6-4-4651-1 |                             | 98-452-2               |                        | 70-16-10-11X            |                          |                 |           |
| +22                       | Kenworth         |                             |                             |                        |                        | 313254-3X               |                          |                 |           |
| +23                       | Kenworth         |                             |                             |                        |                        | 313254-3X               |                          |                 |           |
| -24                       | VolvoGM          |                             |                             |                        |                        | 98-452-2      98-453-1  |                          | 313254-3X       |           |
| -25                       | VolvoGM          |                             |                             |                        |                        | 98-452-2      98-453-1  |                          | 313254-3X       |           |
| -26                       | Marmon Motor     | 70-410-2                    | 6.5-4-3541X                 | 6.5-4-2171             | 98-452-2      98-453-1 | 70-16-10-11X            | 313254-3X                |                 |           |
| -27                       | Marmon Motor     | 70-410-2                    | 6.5-4-3541X                 | 6.5-4-2171             | 98-452-2      98-453-1 |                         |                          |                 |           |
| +28                       | Western Star     |                             |                             |                        | 98-452-2               | 70-16-10-11X            |                          |                 |           |
| +29                       | Freightliner     |                             |                             |                        | 98-452-2               | 313254-3X               |                          |                 |           |
| -30                       | Ford             |                             |                             |                        | 98-452-2      98-453-1 | 313254-3X               |                          |                 |           |
| -31                       | Spicer Australia | 70-410-2                    | 6-4-7071X                   | 6.5-4-2171             | 98-452-2      98-453-1 | 70-16-10-11X            | 313254-3X                |                 |           |
| -32                       | Can. Kenworth    |                             | 6-4-7071X                   | 6-4-4651               | 98-452-2      98-453-1 |                         |                          |                 |           |
| -33                       | Pacific Truck    |                             | 6.5-1-2501X                 | 6.5-1-1871             | 98-452-2      98-453-1 |                         |                          |                 |           |
| -34                       | Peterbilt        |                             | 6-4-7071X                   | 6-4-4651               | 98-452-2      98-453-1 |                         |                          |                 |           |
| -35                       | Osterlund        | 70-410-2                    | 6.5-4-3541X                 | 6.5-4-2171             |                        |                         |                          | 313254-3X       |           |

Manual Shift

AMO1000-4 & 1750-4

| Tab No.                               | Used by          | Trunnion  | Flange or Yoke |            | Speedometer |             | Shifter Housing Assembly | Top Mounted PTO |
|---------------------------------------|------------------|-----------|----------------|------------|-------------|-------------|--------------------------|-----------------|
|                                       |                  |           | Front          | Rear       | Drive Gear  | Driven Gear |                          |                 |
| 301474 - Model AMO1000-4C (continued) |                  |           |                |            |             |             |                          |                 |
| + 36                                  | Navistar         | 70-410-2  | 6-4-7071X      | 6-4-4651   | 98-452-1    | 98-453-1    | 70-16-10-11X             | 313254-2X       |
| -37                                   | Spicer Australia |           |                |            | 98-452-1    | 98-453-1    |                          | 313254-6X       |
| -38                                   | Kenworth         |           |                |            | 98-452-1    | 98-453-1    |                          |                 |
| -39                                   | Can. Kenworth    |           |                |            | 98-452-1    | 98-453-1    |                          |                 |
| -40                                   | DWT              | 70-410-2  | 6.5-1-2501X    |            | 98-452-1    | 98-453-1    | 70-16-10-11X             |                 |
| -41                                   | VolvoGM          | 6-4-7071X | 6-4-4651       | 6.5-4-2171 | 98-452-1    | 98-453-1    | 70-16-10-11X             | 313254-3X       |
| -42                                   | Peterbilt        |           |                |            | 98-452-1    | 98-453-1    |                          |                 |
| -43                                   | Pacific Truck    |           |                |            | 98-452-1    | 98-453-1    | 313254-3X                |                 |
| -44                                   | Pacific Truck    |           |                |            | 98-452-1    | 98-453-1    | 70-16-10-11X             |                 |
| +45                                   | Mack             |           |                |            | 98-452-2    |             |                          | 313254-3X       |
| #46                                   | Marmon Motor     | 70-410-2  | 6.5-1-2501X    | 6.5-4-2171 | 98-452-1    | 98-453-1    | 70-16-10-12X             |                 |
| -47                                   | Marmon Motor     | 70-410-2  | 6-4-7071X      | 6-4-4651   | 98-452-1    | 98-453-1    |                          | 313254-3X       |
| -48                                   | VolvoGM          |           |                |            | 98-452-1    | 98-453-1    |                          | 313254-3X       |
| -49                                   | VolvoGM          |           |                |            | 98-452-1    | 98-453-1    | 70-16-10-11X             |                 |
| +50                                   | Kenworth Mex.    |           | 6.5-1-2501X    | 6.5-4-2171 | 98-452-2    |             | 70-16-10-11X             |                 |
| +51                                   | Kenworth Mex.    |           | 6.5-1-2501X    | 6.5-4-2171 | 98-452-2    |             | 313254-3X                |                 |
| -52                                   | Mack             | 70-410-2  |                |            | 98-452-1    | 98-453-1    |                          | 313254-3X       |
| **53                                  | Amer. Hoist      | 70-410-2  |                | 6.5-4-2171 | 98-452-1    | 98-453-1    | 70-16-40-14X             |                 |
| +54                                   | CrawfordMS&f     | 70-410-2  | 6-4-7071X      | 6-4-4651   | 98-452-2    |             |                          | 313254-3X       |
| -55                                   | Navistar         |           |                |            |             |             |                          | 313254-3X       |
| 56                                    | Peterbilt        |           | 6-4-7071-1X    |            |             |             |                          | 313254-7X       |
| ^57                                   | Peterbilt        |           | 6-4-7071X      | 6-4-4651   | 98-452-1    | 98-453-1    | 70-16-10-11X             |                 |
| +58                                   | Mack             |           |                |            | 98-452-1    | 98-453-1    |                          | 313254-2X       |
| +59                                   | Peterbilt        |           | 6-4-7071-1X    |            |             |             |                          | 313254-7X       |
| +60                                   | Mack             |           |                |            | 98-452-2    |             |                          | 313254-2X       |
| +61                                   | Mack             |           |                |            | 98-452-2    |             | 70-16-10-11X             |                 |
| +62                                   | Mack             |           |                |            |             |             | 70-16-10-11X             |                 |
| +63                                   | Mack             |           |                |            | 98-452-2    |             |                          | 313254-4X       |
| +64                                   | Crawford         | 70-410-2  | 6.3-4-871-1X   | 6.3-4-4-1  | 98-452-2    |             |                          | 313254-1X       |
| +65                                   | Kenworth         |           | 6-4-7071X      |            | 6-4-465-1   | 98-452-2    | 70-16-10-11X             |                 |
| +66                                   | Greer Ind.       | 70-410-2  | 6-4-7071X      |            |             |             |                          | 313254-7X       |
| ^67                                   | Navistar         |           |                |            |             |             |                          | 313254-3X       |
| +68                                   | Greer Ind.       |           | 6-4-7071-1X    |            |             |             |                          |                 |
| +69                                   | Greer Ind.       |           | 6-4-7071-1X    |            |             |             | 70-16-10-11X             |                 |
| +70                                   | Kenworth         |           | 6.5-4-3541X    | 6.5-4-2171 | 98-452-2    |             |                          | 313254-3X       |
| +71                                   | Kenworth         |           | 6.3-4-871X     |            | 6.3-4-61    | 98-452-2    |                          |                 |
| 313254-3X                             |                  |           |                |            |             |             |                          |                 |
| +72                                   | Kenworth         |           | 6.3-4-871-1X   | 6.3-4-61-1 | 98-452-2    |             |                          | 313254-3X       |

| Tab No.                             | Used by    | Trunnion     | Flange or Yoke |               | Speedometer |             | Shifter Housing Assembly | Top Mounted PTO |          |              |
|-------------------------------------|------------|--------------|----------------|---------------|-------------|-------------|--------------------------|-----------------|----------|--------------|
|                                     |            |              | Front          | Rear          | Drive Gear  | Driven Gear |                          |                 |          |              |
| 301474 - Model AMO1000-4C & 1750-4D |            |              |                |               |             |             |                          |                 |          |              |
| +73                                 | Kenworth   | 70-410-2     | 6.5-4-3541-1X  | 6.5-4-2171-1  | 98-452-2    | 98-452-2    | 70-16-10-11X             | 313254-3X       |          |              |
| +74                                 | Kenworth   |              | 6.5-4-3541X    | 6.5-4-2171    | 98-452-2    |             |                          | 313254-1X       |          |              |
| +75                                 | Kenworth   |              | 6.3-4-871X     |               | 6.3-4-61    |             |                          | 313254-1X       |          |              |
| +76                                 | Kenworth   |              | 6.3-4-871-1X   | 6.3-4-61-1    | 98-452-2    |             |                          | 313254-1X       |          |              |
| +77                                 | Kenworth   |              | 6.5-4-3541-1X  | 6.5-4-1271-1  | 98-452-2    |             |                          | 313254-1X       |          |              |
| +78                                 | Kenworth   |              | 6.3-4-871-1X   | 6.3-4-61-1    | 98-452-2    |             |                          |                 |          |              |
| +79                                 | Kenworth   |              |                | 6-4-7071X     |             |             |                          | 6-4-4651        | 98-452-2 | 313254-3X    |
| +80                                 | Peterbilt  |              |                | 6.5-4-3541-1X |             |             |                          |                 |          | 70-16-10-11X |
| +81                                 | Kenworth   |              |                | 6.5-4-3541-1X | 6.5-4-2171  |             |                          | 98-452-2        |          | 70-16-10-11X |
| +82                                 | Kenworth   |              |                | 6.5-4-3541-1X | 6.5-2171-1  |             |                          | 98-452-2        |          | 313254-5X    |
| ^83                                 | AG Chem    | 70-410-2     | 6-4-7071X      | 6-4-4651      | 98-452-1    | 98-453-1    | 70-16-10-11X             |                 |          |              |
| +84                                 | Kenworth   |              | 6-4-7071X      |               | 6-4-4651    | 98-452-2    |                          | 313254-1X       |          |              |
| +85                                 | Kenworth   | 70-410-2     | 250-4-521-1X   | 250-4-551-1   | 98-452-2    |             |                          | 313254-3X       |          |              |
| +86                                 | Humble EQ. |              | 6.5-4-3541X    | 6.5-4-2171    | 98-452-2    |             |                          | 313254-2X       |          |              |
| +87                                 | Navistar   | 70-410-2     |                |               | 98-452-2    |             |                          | 313254-4X       |          |              |
| +88                                 | Crawford   |              | 6-4-7071X      |               | 6-4-4651    | 98-452-2    |                          | 313254-1X       |          |              |
| +89                                 | Peterbilt  |              | 6.5-4-3541X    |               |             |             |                          | 313254-6X       |          |              |
| #90                                 | Peterbilt  |              | 6-4-7071-1X    |               |             |             |                          | 313254-10X      |          |              |
| +91                                 | Kenworth   | 70-16-10-11X | 250-4-521-1X   | 250-4-551-1   | 98-452-2    |             |                          |                 |          |              |
| +92                                 | Peterbilt  |              | 170-4-1111-1X  |               | 98-452-2    |             |                          | 313254-7X       |          |              |
| +93                                 | Kenworth   |              | 6.5-4-3541-1X  | 6.5-4-2171-1  | 98-452-2    |             |                          |                 |          |              |
| +94                                 | Peterbilt  |              | 250-4-521-1X   |               |             |             |                          | 313254-7X       |          |              |
| +95                                 | Peterbilt  |              | 6.5-4-3541-1X  |               |             |             |                          | 313254-6X       |          |              |
| +96                                 | Peterbilt  |              | 250-4-521-1X   |               |             |             |                          | 313254-6X       |          |              |
| +97                                 | Peterbilt  |              |                | 250-4-521-1X  |             |             |                          | 70-16-10-11X    |          |              |
| +98                                 | Peterbilt  |              |                | 6.5-4-3541-1X |             |             |                          | 313254-7X       |          |              |
| +99                                 |            |              |                |               |             |             |                          |                 |          |              |
| ^100                                | Standard   |              |                |               |             |             |                          |                 |          |              |
| +101                                | Kenworth   |              | 250-4-521-1X   | 250-4-521-1X  | 98-452-2    |             |                          | 313254-1X       |          |              |

s - Short Box

+ - Unit has Electronic Speedo Mainshaft Rear Bearing Cap

^ - Unit has a 313292-1X Oil Cooler Pump Kit

# - Unit has Overdrive blocked out

\* - Unit has 1st speed and Overdrive blocked out

Manual Shift

AMO1000-4 & 1750-4

| Tab No.                  | Used by          | Trunnion | Flange or Yoke |              | Speedometer |              | Shifter Housing Assembly | Top Mounted PTO |
|--------------------------|------------------|----------|----------------|--------------|-------------|--------------|--------------------------|-----------------|
|                          |                  |          | Front          | Rear         | Drive Gear  | Driven Gear  |                          |                 |
| 301475- Model AMO1000-4D |                  |          |                |              |             |              |                          |                 |
| -1                       | Freightliner     | 70-410-2 | 6-4-7071X      | 6-4-4651     | 98-452-1    | 98-453-1     | 70-16-10-11X             | 313254-6X       |
| -2                       | Kenworth         |          |                |              |             |              |                          |                 |
| S-3                      | Service          |          |                |              |             |              |                          |                 |
| S+-4                     | Peterbilt        |          |                |              |             |              |                          |                 |
| -5                       | Western Star     |          |                |              |             |              |                          |                 |
| +6                       | Kenworth         |          |                |              | 98-452-2    | 70-16-10-11X |                          |                 |
| +7                       | Peterbilt        |          |                |              |             |              |                          |                 |
| +8                       | Navistar         |          |                |              |             |              |                          |                 |
| +9                       | Peterbilt        |          |                |              |             |              |                          |                 |
| +10                      | Peterbilt        |          |                |              |             |              |                          |                 |
| +11                      | Kenworth         |          |                |              | 98-452-2    | 70-16-10-11X |                          |                 |
| +12                      | Kenworth         |          |                |              |             |              |                          |                 |
| +13                      | Freightliner     |          |                |              |             |              |                          |                 |
| -14                      | VolvoGM          |          |                |              |             |              |                          |                 |
| -15                      | VolvoGM          |          |                |              |             |              |                          |                 |
| -16                      | VolvoGM          |          | 98-452-1       | 70-16-10-11X |             |              |                          |                 |
| +17                      | Kenworth         |          |                |              |             |              |                          |                 |
| -18                      | Western Star     |          |                |              |             |              |                          |                 |
| -19                      | Western Star     |          |                |              |             |              |                          |                 |
| +20                      | Navistar         |          |                |              |             |              |                          |                 |
| +21                      | Kenworth         |          | 98-452-2       | 70-16-10-11X |             |              |                          |                 |
| +22                      | Western Star     |          |                |              |             |              |                          |                 |
| -23                      | Marmon Motor     |          |                |              |             |              |                          |                 |
| +0-24                    | Kenworth         |          |                |              |             |              |                          |                 |
| -25                      | VolvoGM          |          |                |              |             |              |                          |                 |
| +26                      | VolvoGM          |          | 98-452-1       | 70-16-10-11X |             |              |                          |                 |
| -27                      | Pacific Truck    |          |                |              |             |              |                          |                 |
| -28                      | Pacific Truck    |          |                |              |             |              |                          |                 |
| -29                      | Peterbilt        |          |                |              |             |              |                          |                 |
| +30                      | Navistar         |          |                |              |             |              |                          |                 |
| -31                      | Spicer Australia | 98-452-1 | 70-16-10-11X   |              |             |              |                          |                 |
| +32                      | Kenworth         |          |                |              |             |              |                          |                 |
| +33                      | Pacific Truck    |          |                |              |             |              |                          |                 |
| -34                      | Volvo GM         |          |                |              |             |              |                          |                 |
| -35                      | Halliburton      |          |                |              |             |              |                          |                 |

Manual Shift

AMO1000-4 & 1750-4

| Tab No.                               | Used by    | Trunnion | Flange or Yoke |              | Speedometer |             | Shifter Housing Assembly | Top Mounted PTO                     |
|---------------------------------------|------------|----------|----------------|--------------|-------------|-------------|--------------------------|-------------------------------------|
|                                       |            |          | Front          | Rear         | Drive Gear  | Driven Gear |                          |                                     |
| 301475 - Model AMO1000-4D (Continued) |            |          |                |              |             |             |                          |                                     |
| -36                                   | Volvo GM   | 70-410-2 | 6.5-4-3541X    | 6.5-4-2171   | 98-452-2    | 98-453-1    | 70-16-10-11X             | 313254-1X<br>313254-3X<br>313254-3X |
| -37                                   | CMI        |          |                |              | 98-452-1    |             | 70-16-01-11X             |                                     |
| -38                                   | Manning Eq |          |                |              | 98-452-2    |             |                          |                                     |
| -39                                   | Kenworth   |          |                |              | 98-452-2    |             |                          |                                     |
| -40                                   | Kenworth   |          |                |              | 98-452-2    |             |                          |                                     |
| -41                                   | Kenworth   | 70-410-2 | 6.3-4-871-1X   | 6.3-4-2171-1 | 98-452-2    | 98-453-1    |                          | 313254-3X                           |
| -42                                   | Kenworth   |          | 6.5-4-3541-1X  | 6.5-4-2171-1 | 98-452-2    |             | 313254-3X                |                                     |
| -43                                   | Kenworth   |          | 6.5-4-3541X    | 6.5-4-2171   | 98-452-2    |             | 313254-3X                |                                     |
| -44                                   | Kenworth   |          | 6.3-4-871X     | 6.3-4-61     | 98-452-2    |             | 313254-3X                |                                     |
| -45                                   | Kenworth   |          | 6.3-4-871-1X   | 6.3-4-61-1   | 98-452-2    |             | 313254-3X                |                                     |
| -46                                   | Kenworth   | 70-410-2 | 6.5-4-3541-1X  | 6.5-4-2171-1 | 98-452-2    | 98-453-1    |                          | 313254-3X                           |
| -47                                   | Peterbilt  |          | 6.5-4-3541-1X  |              |             |             | 70-16-10-11X             |                                     |
| -48                                   | CMI        |          | 8-4-1231       | 8-4-1241     | 98-452-1    |             | 70-16-10-11X             |                                     |
| -49                                   |            |          |                |              |             |             |                          |                                     |
| -50                                   | Standard   |          |                |              |             |             | 330429                   |                                     |
| -51                                   | CMI        | 70-410-2 | 6.5-4-3541X    | 6.5-4-2171   | 98-452-1    | 98-453-1    | 70-16-10-11X             |                                     |
| -52                                   | CMI        | 70-410-2 | 8-4-1231       | 8-4-1241     | 98-452-1    | 98-453-1    | 70-16-10-11X             |                                     |

s - Short Box

+ - Unit has electronic speedo mainshaft rear bearing cap

o - Unit has 1st speed blocked out.

Manual Shift

AMO1000-4 & 1750-4

| Tab No.                   | Used by          | Trunnion | Flange or Yoke                              |              | Speedometer |             | Shifter Housing Assembly | Top Mounted PTO |
|---------------------------|------------------|----------|---------------------------------------------|--------------|-------------|-------------|--------------------------|-----------------|
|                           |                  |          | Front                                       | Rear         | Drive Gear  | Driven Gear |                          |                 |
| 301476 - Model AMO1000-4C |                  |          |                                             |              |             |             |                          |                 |
| -1                        | Freightliner     | 70-410-2 | 6-4-7071-1X<br>6.5-4-3541-1    6.5-4-2171-1 |              | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127X         |
| -2                        | Western Star     |          |                                             |              |             |             | 70-16-14-2X              | 313127X         |
| +3                        | Peterbilt        |          |                                             |              |             |             | 70-16-14-2X              | 313127X         |
| +4                        | Freightliner     |          |                                             |              |             |             | 70-16-14-2X              | 313127X         |
| +5                        | DSD              |          |                                             |              |             |             | 70-16-14-2X              |                 |
| -6                        | Spicer Australia | 70-410-2 | 6.5-4-3541X                                 | 6.5-4-2171   | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127X         |
| -7                        | Marmon Motor     | 70-410-2 | 6-4-7071X                                   | 6-4-4651     | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127X         |
| -8                        | Kenworth         |          | 6-4-7071X                                   | 6-4-4651     | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127-3X-      |
| 9                         | VolvoGM          |          |                                             |              | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127X         |
| +10                       | VolvoGM          |          |                                             |              | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| +11                       | Navistar         |          |                                             |              |             |             | 70-16-14-2X              | 313127X         |
| +12                       | Western Star     |          |                                             |              | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| -13                       | Western Star     |          |                                             |              | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127X         |
| -14                       | Pacific Truck    |          | 6.5-1-2501X                                 | 6.5-1-1871   | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127X         |
| +15                       | Ford             |          | 6.5-4-2171                                  |              | 98-452-2    |             | 70-16-14-2X              | 313127-1X       |
| +16                       | Navistar         |          |                                             |              |             |             | 70-16-14-2X              | 313127X         |
| +17                       | Kenworth         |          | 6-4-7071-1X                                 | 6.5-4-2171-1 | 98-452-2    |             | 70-16-14-2X              | 313127-3X       |
| -18                       | Walker-Neer      | 70-410-2 | 6-4-7071X                                   | 6.5-4-2171   |             |             | 70-16-14-2X              | 313127X         |
| #19                       | Mack             |          |                                             |              | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127-1X       |
| -20                       | Mack             |          |                                             |              | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127-1X       |
| +21                       | CrawfordMS&F     | 70-410-2 | 6-4-7071X                                   | 6-4-4651     | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| -22                       | Mack             | 70-410-2 |                                             |              | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127X         |
| -23                       | Timberline       | 70-410-2 | 6-1-5691X                                   | 6-4-4651     |             |             | 70-16-14-2X              | 313127X         |
| +24                       | Mack             |          |                                             |              | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127X         |
| +25                       | Mack             |          |                                             |              | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| -26                       | Mack             | 70-410-2 |                                             | 6.5-1-1871   | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127X         |
| -27                       | American Hoist   | 70-410-2 |                                             | 6.5-871-1X   | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127X         |
| +28                       | Crawford         | 70-410-2 | 6.3-4-871-1X                                | 6.3-4-61-1   | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| +29                       | Peterbilt        |          | 6.5-4-3541X                                 |              |             |             | 70-16-14-2X              | 313127X         |
| +30                       | Kenworth         |          | 6.5-4-3541X                                 | 6.5-4-2171   | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| -31                       | Isuzu-Dan-Japan  | 70-410-2 | 6.5-1-2501X                                 | 6.5-1-1871   | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127X         |
| +32                       | Peterbilt        |          | 6.5-4-3541-1X                               |              |             |             | 70-16-14-2X              | 313127X         |
| #+33                      | Kenworth         |          | 6.5-4-3541X                                 | 3.5-4-2171   | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| +34                       | AG Chem          | 70-410-2 | 6-4-7071X                                   | 6-4-4651     | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| +35                       | Kenworth         |          | 6-4-7071X                                   | 6-4-4651     | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| +36                       | Crawford         | 70-410-2 | 6-4-7071X                                   | 6.5-4-2171   | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| +37                       | Crawford         | 70-410-2 | 6-4-7071-1X                                 | 6.5-4-2171-1 | 98-452-2    |             | 70-16-14-2X              | 313127X         |

Air-Matic Shift

**APO1000-4 & 1750-4**

| Tab No.                   | Used by         | Trunnion | Flange or Yoke |              | Speedometer |             | Shifter Housing Assembly | Top Mounted PTO |
|---------------------------|-----------------|----------|----------------|--------------|-------------|-------------|--------------------------|-----------------|
|                           |                 |          | Front          | Rear         | Drive Gear  | Driven Gear |                          |                 |
| 301476 — Model APO1000-4C |                 |          |                |              |             |             |                          |                 |
| +38                       | Linkbilt        | 70-410-2 | 6.5-4-3541-1X  | 6.5-4-2171-1 |             |             | 70-16-14-2X              |                 |
| +39                       | Kenworth        |          | 6.3-4-871X     | 6.3-4-61     | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| ^+40                      | Manitowac Crane | 70-410-2 | 170-4-1111-1X  | 250-4-551-1  | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| +41                       | TTC Australia   | 70-410-2 | 6.5-4-3541X    | 6.5-4-2171   | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| +42                       | Kenworth        |          | 6.5-4-3541-1X  | 6.5-4-2171-1 | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| +43                       | Peterbilt       |          | 250-4-54-1X    |              |             |             | 70-16-14-2X              | 313127X         |
| -44                       | Service         |          |                |              |             |             | 330429                   | 313127X         |
| +45                       | Kenworth        |          | 250-4-521-1X   | 250-4-551-1  | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| +46                       | Peterbilt       |          | 6-4-7071X      |              |             |             | 70-16-14-2X              | 313127X         |
| -47                       |                 |          |                |              |             |             |                          |                 |
| -48                       |                 |          |                |              |             |             |                          |                 |
| -49                       |                 |          |                |              |             |             |                          |                 |
| ^50                       | Standard        |          |                |              |             |             | 70-16-14-2X              | 313127X         |

# - Unit has Overdrive blocked out.

A - Unit has Oil Cooler Pump Kit 313292-1X

< - Unit has Oil Cooler & Pump Kit 313231-8X

Air-Matic Shift

APO1000-4 & 1750-4

| Tab No.                   | Used by          | Trunnion | Flange or Yoke |              | Speedometer |             | Shifter Housing Assembly | Top Mounted PTO |
|---------------------------|------------------|----------|----------------|--------------|-------------|-------------|--------------------------|-----------------|
|                           |                  |          | Front          | Rear         | Drive Gear  | Driven Gear |                          |                 |
| 301477 - Model APO1000-4D |                  |          |                |              |             |             |                          |                 |
| -1                        | Freightliner     |          | 6-4-7071-1X    |              | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127X         |
| +2                        | Peterbilt        |          |                |              |             |             | 70-16-14-2X              | 313127X         |
| +3                        | Freightliner     |          |                |              |             |             | 70-16-14-2X              | 313127X         |
| +4                        | Service          |          |                |              |             |             | 70-16-14-2X              | 313127X         |
| -5                        | Mack             |          |                |              |             |             | 70-16-14-2X              | 313127-1X       |
| -6                        | Peterbilt        | 70-410-2 | 6-4-7071X      | 6-4-4651     | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127X         |
| +7                        | Navistar         |          |                |              |             |             | 70-16-14-2X              | 313127X         |
| -8                        | Western Star     |          |                |              | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127X         |
| +9                        | Western Star     |          |                |              | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| -10                       | VolvoGM          |          |                |              | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127X         |
| -11                       | Peterbilt        |          | 6-4-7071X      | 6-4-4651     | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127X         |
| +12                       | VolvoGM          |          |                |              | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| <-13                      | Spicer U.K.      |          | 6.5-1-2501X    | 6.5-1-1871   | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127X         |
| -14                       | Spicer Australia |          | 6.5-4-3541X    | 6.5-4-2171-1 | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127X         |
| +15                       | Kenworth         |          | 6-4-7071-1X    | 6-4-4651-1   | 98-452-2    |             | 70-16-14-2X              | 313127-3X       |
| -16                       | Spicer U.K.      |          | 6.5-1-2501X    |              | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127X         |
| +17                       | Kenworth         | 70-410-2 | 6-4-7071X      | 6-4-4651     | 98-452-2    |             | 70-16-14-2X              | 313127-3X       |
| +18                       | Linkbilt         |          | 6.5-4-3541-1X  | 6.5-4-2171-1 | 98-452-2    |             | 70-16-14-2X              |                 |
| +19                       | Peterbilt        |          | 6.5-4-3541-1X  |              |             |             | 70-16-14-2X              | 313127X         |
| +20                       | Peterbilt        |          | 6.5-4-3541X    |              |             |             | 70-16-14-2X              | 313127X         |
| +21                       | Peterbilt        |          | 250-4-521-1X   |              |             |             | 70-16-14-2X              | 313127X         |
| ^22                       | Linkbilt         | 70-410-2 | 6.5-4-3541-1X  | 6.5-4-2171-1 |             |             | 70-16-14-2X              |                 |
| <-23                      | Case IH Tyler    | 70-410-2 | 6-4-7071X      |              | 6-4-4651    | 98-452-2    | 70-16-14-2X              | 313127X         |

# - Unit has Overdrive blocked out.

A - Unit has Oil Cooler Pump Kit 313292-1X

< - Unit has Oil Cooler & Pump Kit 313231-8X

| Tab No.                   | Used by           | Trunnion | Flange or Yoke |              | Speedometer |             | Shifter Housing Assembly | Top Mounted PTO |
|---------------------------|-------------------|----------|----------------|--------------|-------------|-------------|--------------------------|-----------------|
|                           |                   |          | Front          | Rear         | Drive Gear  | Driven Gear |                          |                 |
| 301765 - Model AMO1750-4C |                   |          |                |              |             |             |                          |                 |
| -1                        | Service           |          |                |              |             |             | 70-16-10-11X             |                 |
| -2                        | Freightliner      |          |                |              |             |             |                          |                 |
| +3                        | Navistar          |          |                |              |             |             |                          | 313254-2X       |
| -4                        | Mack              |          |                |              | 98-452-1    | 98-453-1    |                          | 313254-4X       |
| -5                        | Mack              |          |                |              | 98-452-1    | 98-453-1    |                          | 313254-2X       |
| +6                        | Kenworth          |          | 6-4-7071X      | 6-4-4651     | 98-452-2    |             |                          | 313254-3X       |
| +7                        | Peterbilt         |          | 6-4-7071-1X    |              |             |             |                          | 313254-6X       |
| +8                        | Freightliner      |          |                |              | 98-452-2    |             |                          | 313254-2X       |
| +9                        | Western Star      |          |                |              | 98-452-2    |             | 70-16-10-11X             |                 |
| +10                       | Peterbilt         |          | 6-4-7071-1X    |              |             |             |                          | 313254-7X       |
| +11                       | Mack/Western Star |          |                |              | 98-452-2    |             |                          | 313254-2X       |
| +12                       | Mack              |          |                |              |             |             | 70-16-10-11X             |                 |
| +13                       | Mack              |          |                |              | 98-452-2    |             |                          | 313254-4X       |
| +14                       | Kenworth          |          | 6.5-4-3541X    | 6.5-4-2171   | 98-452-2    |             |                          | 313254-3X       |
| +15                       | Kenworth          |          | 6.5-4-3541-1X  | 6.5-4-2171-1 | 98-452-2    |             |                          | 313254-1X       |
| +16                       | Kenworth          |          | 6.5-4-3541-1X  | 6.5-4-2171-1 | 98-452-2    |             |                          | 313254-1X       |
| +17                       | Peterbilt         |          | 6.5-4-3541-1X  |              |             |             | 70-16-10-11X             |                 |
| +18                       | Kenworth          |          | 6.5-4-3541X    | 6.5-4-2171   | 98-452-2    |             | 70-16-10-11X             |                 |
| +19                       | Kenworth          |          | 250-4-521-1X   | 250-4-551-1  | 98-452-2    |             |                          | 313254-3X       |
| +20                       | Peterbilt         |          | 6.5-4-3541X    |              |             |             |                          | 313254-6X       |
| +21                       | Peterbilt         |          | 6-4-7071-1X    |              |             |             |                          | 313254-10X      |
| +22                       | Peterbilt         |          | 6.5-4-3541-1X  |              |             |             |                          | 313254-6X       |
| +23                       | Peterbilt         |          | 250-4-521-1X   |              |             |             |                          | 313254-7X       |
| +24                       | Peterbilt         |          | 6.5-4-3541-1X  |              |             |             |                          | 313254-7X       |
| +S-25                     | Service           |          |                |              |             |             |                          |                 |
| +26                       | Kenworth          |          | 250-4-521-1X   | 250-4-551-1  | 98-452-2    |             |                          | 313254-1X       |
| +27                       | Navistar          |          |                |              |             |             |                          | 313254-3X       |
| +28                       | Peterbilt         |          | 6-4-7071X      | 6-4-4651     | 98-452-1    | 98-453-1    | 70-16-10-11X             |                 |
| +29                       | Peterbilt         |          | 6-4-7071-1X    |              |             |             | 70-16-10-11X             |                 |
| +30                       | Kenworth          |          | 6-4-7071-1X    | 6-4-4651-1   | 98-452-2    |             |                          | 313254-3X       |
| +31                       | Kenworth          |          | 6-4-7071-1X    | 6-4-4651-1   | 98-452-2    |             | 70-16-10-11X             |                 |
| +32                       | Kenworth          |          | 6.3-4-871X     | 6.3-4-61     | 98-452-2    |             |                          | 313254-3X       |
| +33                       | Kenworth          |          | 6.3-4-871-1X   | 6.3-4-61-1   | 98-452-2    |             |                          | 313254-3X       |
| +34                       | Freightliner      |          |                |              | 98-452-2    |             |                          | 313254-4X       |
| +35                       | Peterbilt         |          | 170-4-1111-1X  |              |             |             |                          | 313254-7X       |
| +36                       | Peterbilt         |          | 250-4-521-1X   |              |             |             |                          | 313254-7X       |

| Tab No.                               | Used by       | Trunnion | Flange or Yoke |             | Speedometer |             | Shifter Housing Assembly | Top Mounted PTO |
|---------------------------------------|---------------|----------|----------------|-------------|-------------|-------------|--------------------------|-----------------|
|                                       |               |          | Front          | Rear        | Drive Gear  | Driven Gear |                          |                 |
| 301765 - Model AMO1750-4C (Continued) |               |          |                |             |             |             |                          |                 |
| +37                                   | Kenworth      | 70-410-2 | 250-4-521-1X   | 250-4-551-1 | 98-452-2    |             | 70-16-10-11X             |                 |
| +38                                   | Western Star  |          |                |             | 98-452-2    |             |                          | 313254-3X       |
| +39                                   | Kenworth      |          | 6.5-4-3541X    | 6.5-4-2171  | 98-452-2    |             |                          | 313254-1X       |
| +40                                   | Peterbilt     |          | 250-4-521-1X   |             |             |             | 70-16-10-11X             |                 |
| +41                                   | AG Chem       |          | 6-4-7071X      | 6-4-4651    | 98-452-1    | 98-453-1    | 70-16-10-11X             |                 |
| +42                                   | International |          |                |             |             |             |                          | 313254-3X       |
| +43                                   | Western Star  |          |                |             | 98-452-1    | 98-453-1    | 70-16-10-11X             |                 |
| +44                                   | Western Star  |          |                |             | 98-452-2    |             |                          | 313254-7X       |

s - Short Box

+ - Unit has electronic speedo mainshaft rear bearing cap

o - Unit has 1st speed blocked out.

^ - Unit has a 363292-1X oil control pump kit.

Manual Shift

AMO1000-4 & 1750-4

| Tab No.                   | Used by      | Trunnion | Flange or Yoke |            | Speedometer |             | Shifter Housing Assembly | Top Mounted PTO |
|---------------------------|--------------|----------|----------------|------------|-------------|-------------|--------------------------|-----------------|
|                           |              |          | Front          | Rear       | Drive Gear  | Driven Gear |                          |                 |
| 301766 — Model AMO1750-4D |              |          |                |            |             |             |                          |                 |
| -1                        |              |          |                |            |             |             |                          |                 |
| -2                        | Freightliner |          |                |            |             |             | 70-16-10-11X             |                 |
| -3                        | CMI          | 70-410-2 | 6.5-4-3541X    | 6.5-4-2171 | 98-452-1    | 98-453-1    | 70-16-10-11X             |                 |
| -4                        | CMI          | 70-410-2 | 8-4-1231       | 8-4-1241   | 98-452-1    | 98-453-1    | 70-16-10-11X             |                 |
| ^S-5                      | Service      |          |                |            |             |             |                          |                 |
| ^6                        | CMI          | 70-410-2 | 6.5-4-3541X    | 6.5-4-2171 | 98-452-1    | 98-453-1    | 70-16-10-11X             |                 |
| ^7                        | CMI          | 70-410-2 | 8-4-1231       | 8-4-1241   | 98-452-1    | 98-453-1    | 70-16-10-11X             |                 |
| -8                        | Peterbilt    |          | 6-4-7071-1X    |            |             |             | 70-16-10-11X             |                 |
| -9                        | Kenworth     |          | 6-4-7071-1X    | 6-4-4651-1 | 98-452-2    |             | 70-16-10-11X             |                 |
| -10                       | Kenworth     |          | 6.5-4-3541X    |            |             |             | 70-16-10-11X             |                 |
| -11                       | Peterbilt    |          | 6.5-4-3541-1X  |            |             |             | 70-16-10-11X             |                 |
| -12                       | Kenworth     |          | 6-4-7071X      | 6-4-4651   | 98-452-2    |             | 70-16-10-11X             |                 |
| +13                       | Western Star |          |                |            | 98-452-1    | 97-423-1    | 70-16-10-11X             |                 |
| -14                       | Western Star |          |                |            | 98-452-2    |             | 70-16-10-11X             |                 |
| -15                       | MOL Group    |          | 6.5-1-2501X    | 6.5-1-1871 | 98-452-2    |             |                          | 313254-6X       |
| -16                       |              |          |                |            |             |             |                          |                 |
| -17                       |              |          |                |            |             |             |                          |                 |
| -18                       |              |          |                |            |             |             |                          |                 |
| -19                       |              |          |                |            |             |             |                          |                 |
| -20                       |              |          |                |            |             |             |                          |                 |
| -21                       |              |          |                |            |             |             |                          |                 |
| -22                       |              |          |                |            |             |             |                          |                 |
| -23                       |              |          |                |            |             |             |                          |                 |
| -24                       |              |          |                |            |             |             |                          |                 |
| ^S-25                     | Service      |          |                |            |             |             |                          |                 |

s - Short Box

+ - Unit has electronic speedo mainshaft rear bearing cap

o - Unit has 1st speed blocked out.

^ - Unit has a 363292-1X oil control pump kit.

Air-Matic Shift

AMO1000-4 & 1750-4

| Tab No.                   | Used by         | Trunnion | Flange or Yoke |              | Speedometer |             | Shifter Housing Assembly | Top Mounted PTO |
|---------------------------|-----------------|----------|----------------|--------------|-------------|-------------|--------------------------|-----------------|
|                           |                 |          | Front          | Rear         | Drive Gear  | Driven Gear |                          |                 |
| 301767 — Model APO1750-4C |                 |          |                |              |             |             |                          |                 |
| -1                        |                 |          |                |              |             |             |                          |                 |
| -2                        | Freightliner    |          |                |              |             |             | 70-16-10-11X             | 313127X         |
| +3                        | Australia       |          |                |              |             |             | 70-16-14-2X              | 313127X         |
| +4                        | Marmon Motors   | 20-410-2 | 6-4-7071X      | 6-4-4651     | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127X         |
| +5                        | Western Star    |          |                |              | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| +6                        | Mack            |          |                |              | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| +7                        | Kenworth        |          | 6.5-4-3541X    | 6.5-4-2171   | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| +8                        | Peterbilt       |          | 6.5-4-3541-1X  |              |             |             | 70-16-14-2X              | 313127X         |
| +9                        | Linkbilt        | 70-410-2 | 6.5-4-3541-1X  | 6.5-4-271-1  |             |             | 70-16-14-2X              |                 |
| ^+10                      | Manitowac Crane |          | 170-4-1111-1X  | 250-4-551-1  | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| +11                       | Kenworth        |          | 6.5-4-3541-1X  | 6.5-4-2771-1 | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| +12                       | Peterbilt       |          | 250-4-521-1X   |              |             |             | 70-16-14-2X              | 313127X         |
| S-13                      | Freightliner    |          |                |              |             |             |                          | 313127X         |
| +14                       | Kenworth        |          | 250-4-521-1X   | 250-4-551-1  | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| +15                       | Peterbilt       |          | 6-4-7071-1X    |              |             |             | 70-16-14-2X              | 313127X         |
| +16                       | Peterbilt       |          | 6-4-7071-1X    |              |             |             | 70-16-14-2X              | 313127X         |
| ^+17                      | Kenworth        | 70-410-2 | 6.5-4-3541X    | 6.5-4-2171   | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| ^+18                      | Volvo           | 70-410-2 | 6.5-4-3541-1X  | 6.5-4-2171-1 | 98-452-2    | 98-453-1    | 70-16-14-2X              | 313127X         |
| +19                       | Western Star    |          |                |              | 98-452-1    | 98-453-1    | 70-16-14-2X              | 313127X         |
| +20                       | Kenworth        |          | 6-4-7071-1X    | 6-4-4651-1X  | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| -21                       |                 |          |                |              |             |             |                          |                 |
| -22                       |                 |          |                |              |             |             |                          |                 |
| -23                       |                 |          |                |              |             |             |                          |                 |
| -24                       |                 |          |                |              |             |             |                          |                 |
| ^S-25                     | Service         |          |                |              |             |             | 70-16-14-2X              | 313127X         |
| +26                       | Linkbilt        | 70-410-2 | 6.5-4-3541-1X  | 3.5-4-2171-1 | 98-452-2    |             | 70-16-14-2X              |                 |
| 301768 — Model APO1750-4D |                 |          |                |              |             |             |                          |                 |
| -1                        |                 |          |                |              |             |             |                          |                 |
| -2                        | Freightliner    |          |                |              |             |             | 70-16-14-2X              | 313127X         |
| -3                        | Western Star    |          |                |              | 98-452-1    | 97-453-1    | 70-16-14-2X              | 313127X         |
| -4                        | Western Star    |          |                |              | 98-452-2    |             | 70-16-14-2X              | 313127X         |
| S-25                      | Service         |          |                |              |             |             | 70-16-14-2X              | 313127X         |

+ - Unit has electronic speedo mainshaft rear bearing cap

# - Unit has overdrive blocked out.

^ - Unit has a 313292-1X Oil Cooler Pump Kit.

< - Unit has a 313231-8X Oil Cooler Pump Kit.

# SUPERSESSION LIST

MODELS:

1241 to AMO/APO1000-4 to AMO/APO1750-4

AMO/APO1000-4 & 1750-4

| 1241-C     | 1241-C     | 1241-C     | 1241-C     | AM01000-4C | AMO1750-4C |
|------------|------------|------------|------------|------------|------------|
| 300977 -1  | 301145 -1  | 301145 -1  | 301393 -1  | 301474 -1  | 301765-2   |
| 300977 -3  | 301145 -2  | 301145 -2  | 301393 -2  | 301474 -38 |            |
| 300977 -11 | 301145 -3  | 301145 -3  | 301393 -3  |            |            |
| 300977 -12 | 301145 -4  | 301145 -4  | 301393 -4  | 301474 -2  |            |
| 300977 -17 | 301145 -5  | 301145 -5  | 301393 -5  |            |            |
| 300977 -20 | 301145 -6  | 301145 -6  | 301393 -6  | 301474 -5  | 301765-43  |
| 300977 -22 | 301145 -7  | 301145 -7  | 301393 -7  | 301474 -6  | 301765-3   |
| 300977 -32 | 301145 -8  | 301145 -8  | 301393 -8  | 301474 -7  |            |
| 300977 -39 | 301145 -9  | 301145 -9  | 301393 -9  |            |            |
| 300977 -40 | 301145 -10 | 301145 -10 | 301393 -10 |            |            |
| 300977 -46 | 301145 -11 | 301145 -11 | 301393 -11 |            |            |
| 300977 -49 | 301145 -12 | 301145 -12 | 301393 -12 |            |            |
| 300977 -50 | 301145 -13 | 301145 -13 | 301393 -13 | 301474 -42 | 301765-28  |
| 300977 -55 | 301145 -14 | 301145 -14 | 301393 -14 |            |            |
| 300977 -59 | 301145 -15 | 301145 -15 | 301393 -15 |            |            |
| 300977 -60 | 301145 -16 | 301145 -16 | 301393 -16 |            |            |
| 300977 -62 | 301145 -17 | 301145 -17 | 301393 -17 | 301474 -8  | 301765-4   |
| 300977 -67 | 301145 -18 | 301145 -18 | 301393 -18 | 301474 -9  | 301765-7   |
| 300977 -69 | 301145 -19 | 301145 -19 | 301393 -19 | 301474 -34 |            |
| 300977 -74 | 301145 -20 | 301145 -20 | 301393 -20 |            |            |
| 300977 -75 | 301145 -21 | 301145 -21 | 301393 -21 |            |            |
| 300977 -76 | 301145 -22 | 301145 -22 | 301393 -22 | 301474 -24 |            |
| 300977 -77 | 301145 -23 | 301145 -23 | 301393 -23 | 301474 -48 |            |
| 300977 -81 | 301145 -24 | 301145 -24 | 301393 -24 |            |            |
|            | 301145 -25 | 301145 -25 | 301393 -25 |            |            |
| 300977 -37 | 301145 -26 | 301145 -26 | 301393 -26 | 301474 -10 | 301765-5   |
| 300977 -78 | 301145 -27 | 301145 -27 | 301393 -27 |            |            |
| 300977 -15 | 301145 -28 | 301145 -28 | 301393 -28 |            |            |
| 300977 -80 | 301145 -29 | 301145 -29 | 301393 -29 |            |            |
| 300977 -4  | 301145 -30 | 301145 -30 | 301393 -30 | 301474 -49 |            |
|            | 301145 -31 | 301145 -31 | 301393 -31 | 301474 -32 |            |
| 300977 -7  | 301145 -32 | 301145 -32 | 301393 -32 | 301474 -3  | 301765-1   |
| 300977 -42 | 301145 -33 | 301145 -33 | 301393 -33 | 301474 -36 |            |
| 300977 -43 | 301145 -33 |            |            |            |            |
| 300977 -18 | 301145 -34 | 301145 -34 | 301393 -34 |            |            |
| 300977 -63 | 301145 -35 | 301145 -35 | 301393 -35 | 301145 -36 |            |
|            | 301145 -36 | 301393 -36 |            | 301474 -33 |            |
| 300977 -44 | 301145 -37 | 301145 -37 | 301393 -37 |            |            |
|            | 301145 -38 | 301145 -38 | 301393 -38 |            |            |
|            | 301145 -39 | 301145 -39 | 301393 -39 |            |            |
|            | 301145 -40 | 301145 -40 | 301393 -40 |            |            |
|            | 301145 -41 | 301145 -41 | 301393 -41 |            |            |
| 300977 -36 | 301145 -42 | 301145 -42 | 301393 -42 |            |            |
|            | 301145 -43 | 301145 -43 | 301393 -43 |            |            |
| 300977 -2  | None       | 301145 -44 | 301393 -44 |            |            |
| 300977 -5  | None       | 301145 -45 | 301393 -45 |            |            |
| 300977 -6  | None       | 301145 -46 | 301393 -46 |            |            |

# SUPERSESSION LIST

MODELS:

1241 to AMO/APO1000-4 to AMO/APO1750-4

AMO/APO1000-4 & 1750-4

| 1241-C     | 1241-C | 1241-C     | 1241-C     | AM01000-4C | AM01750-4C |
|------------|--------|------------|------------|------------|------------|
| 300977 -8  | None   | 301151 -47 | 301393 -47 |            |            |
| 300977 -9  | None   | 301151 -48 | 301393 -48 | 301474 -37 |            |
| 300977 -10 | None   | 301151 -49 | 301393 -49 | 301474 -26 |            |
| 300977 -13 | None   | 301151 -50 | 301393 -50 | 301474 -27 |            |
| 300977 -14 | None   | 301151 -51 | 301393 -51 |            |            |
| 300977 -16 | None   | 301151 -52 | 301393 -52 |            |            |
| 300977 -19 | None   | 301151 -53 | 301393 -53 | 301474 -41 |            |
| 300977 -21 | None   | 301151 -54 | 301393 -54 |            |            |
| 300977 -23 | None   | 301151 -55 | 301393 -55 |            |            |
| 300977 -24 | None   | 301151 -56 | 301393 -56 |            |            |
| 300977 -25 | None   | 301151 -57 | 301393 -57 | 301474 -57 |            |
| 300977 -26 | None   | 301151 -58 | 301393 -58 | 301474 -39 |            |
| 300977 -27 | None   | 301151 -59 | 301393 -59 |            |            |
| 300977 -28 | None   | 301151 -60 | 301393 -60 |            |            |
| 300977 -29 | None   | 301151 -61 | 301393 -61 | 301474 -35 |            |
| 300977 -30 | None   | 301151 -62 | 301393 -62 |            |            |
| 300977 -31 | None   | 301151 -63 | 301393 -63 |            |            |
| 300977 -33 | None   | 301151 -64 | 301393 -64 | 301474 -11 |            |
| 300977 -34 | None   | 301151 -65 | 301393 -65 | 301474 -29 | 301765 -34 |
| 300977 -35 | None   | 301151 -66 | 301393 -66 | 301474 -12 |            |
| 300977 -38 | None   | 301151 -67 | 301393 -67 |            |            |
| 300977 -41 | None   | 301151 -68 | 301393 -68 |            |            |
| 300977 -45 | None   | 301151 -69 | 301393 -69 |            |            |
| 300977 -47 | None   | 301151 -70 | 301393 -70 |            |            |
| 300977 -48 | None   | 301151 -71 | 301393 -71 | 301474 -25 |            |
| 300977 -51 | None   | 301151 -72 | 301393 -72 |            |            |
| 300977 -52 | None   | 301151 -73 | 301393 -73 |            |            |
| 300977 -53 | None   | 301151 -74 | 301393 -74 |            |            |
| 300977 -54 | None   | 301151 -75 | 301393 -75 |            |            |
| 300977 -56 | None   | 301151 -76 | 301393 -76 |            |            |
| 300977 -57 | None   | 301151 -77 | 301393 -77 | 301474 -13 |            |
| 300977 -58 | None   | 301151 -78 | 301393 -78 |            |            |
| 300977 -61 | None   | 301151 -79 | 301393 -79 |            |            |
| 300977 -64 | None   | 301151 -80 | 301393 -80 |            |            |
| 300977 -65 | None   | 301151 -81 | 301393 -81 |            |            |
| 300977 -66 | None   | 301151 -82 | 301393 -82 |            |            |
| 300977 -68 | None   | 301151 -83 | 301393 -83 | 301474 -14 | 301765 -6  |
| 300977 -70 | None   | 301151 -84 | 301393 -84 |            |            |
| 300977 -71 | None   | 301151 -85 | 301393 -85 |            |            |
| 300977 -72 | None   | 301151 -86 | 301393 -86 |            |            |
| 300977 -73 | None   | 301151 -87 | 301393 -87 | 301474 -46 |            |
| 300977 -79 | None   | 301151 -88 | 301393 -88 | 301474 -47 |            |
|            |        | 301151 -89 | 301393 -89 |            |            |
|            |        | 301151 -90 | 301393 -90 |            |            |
|            |        | 301151 -91 | 301393 -91 |            |            |
|            |        | 301151 -92 | 301393 -92 |            |            |

1241 to AMO/APO1000-4 to AMO/APO1750-4

AMO/APO1000-4 & 1750-4

| 1241-C      | 1241-C      | AM01000-4C | AMO1750-4C |
|-------------|-------------|------------|------------|
| 301151 -93  | 301393 -93  |            |            |
| 301151 -94  | 301393 -94  |            |            |
| 301151 -95  | 301393 -95  | 301474-15  |            |
| 301151 -96  | 301393 -96  |            |            |
| 301151 -97  | 301393 -97  |            |            |
| 301151 -98  | 301393 -98  |            |            |
| 301151 -99  | 301393 -99  |            |            |
| 301151 -100 | 301393 -100 |            |            |
| 301151 -101 | 301393 -101 |            |            |
| 301151 -102 | 301393 -102 |            |            |
| 301151 -103 | 301393 -103 |            |            |
| 301151 -104 | 301393 -104 | 301474-16  |            |
| 301151 -105 | 301393 -105 | 301474-43  |            |
| 301151 -106 | 301393 -106 | 301474-44  |            |
| 301151 -107 | 301393 -107 |            |            |
| 301151 -108 | 301393 -108 |            |            |
| 301151 -109 | 301393 -109 |            |            |
| 301151 -110 | 301393 -110 |            |            |
| 301151 -111 | 301393 -111 |            |            |
| 301151 -112 | 301393 -112 |            |            |
| 301151 -113 | 301393 -113 | 301474-17  | 301765-29  |
| 301151 -114 | 301393 -114 | 301474-18  | 301765-7   |
| 301151 -115 | 301393 -115 |            |            |
|             | 301393 -116 | 301474-19  |            |
|             | 301393 -117 |            |            |
|             | 301393 -118 | 301474-4   |            |
|             | 301393 -119 | 301474-20  | 301765-8   |
|             | 301393 -120 | 301474-21  | 301765-31  |
|             | 301393 -121 | 301474-22  |            |
|             | 301393 -122 |            |            |
|             | 301393 -123 | 301474-23  |            |
|             | 301393 -124 | 301474-28  | 301765-9   |
|             |             | 301474-30  |            |
|             |             | 301474-40  |            |
|             |             | 301474-45  |            |
|             |             | 301474-50  |            |
|             |             | 301474-51  |            |
|             |             | 301474-52  |            |
|             |             | 301474-53  |            |
|             |             | 301474-54  |            |
|             |             | 301474-55  | 301765-43  |
|             |             | 301474-56  |            |
|             |             | 301474-59  | 301765-10  |
|             |             | 301474-60  | 301765-11  |
|             |             | 301474-62  | 301765-12  |
|             |             | 301474-63  | 301765-13  |
|             |             | 301474-67  | 301765-27  |
|             |             | 301474-68  |            |
|             |             | 301474-69  |            |

# SUPERSESSION LIST

MODELS:

1241 to AMO/APO1000-4 to AMO/APO1750-4

AMO/APO1000-4 & 1750-4

| 1241-C | 1241-C | AM01000-4C | AMO1750-4C |
|--------|--------|------------|------------|
|        |        | 301474-70  | 301765-14  |
|        |        | 301474-71  | 301765-32  |
|        |        | 301474-72  | 301765-33  |
|        |        | 301474-73  | 301765-15  |
|        |        | 301474-74  | 301765-39  |
|        |        | 301474-80  | 301765-17  |
|        |        | 301474-81  | 301765-18  |
|        |        | 301474-83  | 301765-41  |
|        |        | 301474-85  | 301765-19  |
|        |        | 301474-89  | 301765-20  |
|        |        | 301474-90  | 301765-21  |
|        |        | 301474-91  | 301765-37  |
|        |        | 301474-92  | 301765-35  |
|        |        | 301474-94  | 301765-36  |
|        |        | 301474-95  | 301765-22  |
|        |        | 301474-96  | 301765-23  |
|        |        | 301474-97  | 301765-40  |
|        |        | 301474-98  | 301765-24  |
|        |        | 301474-101 | 301765-26  |
|        |        |            | 301765-25  |
|        |        |            | 301765-30  |
|        |        |            | 301765-38  |
|        |        |            | 301765-44  |

# SUPERSESSION LIST

MODELS:

1241 to AMO/APO1000-4 to AMO/APO1750-4

AMO/APO1000-4 & 1750-4

| 1241-D     | 1241-D     | 1241-D     | 1241-D     | AM01000-4D | AMO1750-4D |
|------------|------------|------------|------------|------------|------------|
| 300978 -1  | 301146 -1  | 301152 -1  | 301394 -1  | 301475 -1  | 301766-2   |
| 300978 -2  | 301146 -2  | 301152 -2  | 301394 -2  | 301475 -2  |            |
| 300978 -5  | 301146 -3  | 301152 -3  | 301394 -3  |            |            |
| 300978 -7  | 301146 -4  | 301152 -4  | 301394 -4  |            |            |
| 300978 -10 | 301146 -5  | 301152 -5  | 301394 -5  | 301475 -20 |            |
| 300978 -13 | 301146 -6  | 301152 -6  | 301394 -6  | 301475 -5  |            |
| 300978 -23 | 301146 -7  | 301152 -7  | 301394 -7  |            |            |
| 300978 -24 | 301146 -8  | 301152 -8  | 301394 -8  | 301475 -29 |            |
| 300978 -29 | 301146 -9  | 301152 -9  | 301394 -9  | 301475 -30 |            |
| 300978 -31 | 301146 -10 | 301152 -10 | 301394 -10 |            |            |
| 300978 -4  | 301146 -11 | 301152 -11 | 301394 -11 | 301475 -3  |            |
| 300978 -27 | 301146 -12 | 301152 -12 | 301394 -12 | 301475 -18 |            |
| 300978 -19 | 301146 -13 | 301152 -13 | 301394 -13 | 301475 -19 |            |
|            | 301146 -14 | 301152 -14 | 301394 -14 |            |            |
| 300978 -17 | 301146 -15 | 301152 -15 | 301394 -15 |            |            |
| 300978 -8  | 301146 -16 | 301152 -16 | 301394 -16 |            |            |
|            | 301146 -17 | 301152 -17 | 301394 -17 |            |            |
| 300978 -18 | 301146 -18 | 301152 -18 | 301394 -18 |            |            |
|            | 301146 -19 | 301152 -19 | 301394 -19 |            |            |
|            | 301146 -20 | 301152 -20 | 301394 -20 |            |            |
| 300978 -3  | None       | 301152 -21 | 301394 -21 |            |            |
| 300978 -6  | None       | 301152 -22 | 301394 -22 |            |            |
| 300978 -9  | None       | 301152 -23 | 301394 -23 |            |            |
| 300978 -11 | None       | 301152 -24 | 301394 -24 | 301475 -27 |            |
| 300978 -12 | None       | 301152 -25 | 301394 -25 | 301475 -23 |            |
| 300978 -14 | None       | 301152 -26 | 301394 -26 |            |            |
| 300978 -15 | None       | 301152 -27 | 301394 -27 | 301475 -13 |            |
| 300978 -16 | None       | 301152 -28 | 301394 -28 |            |            |
| 300978 -20 | None       | 301152 -29 | 301394 -29 | 301475 -6  | 301766-12  |
| 300978 -21 | None       | 301152 -30 | 301394 -30 |            |            |
| 300978 -22 | None       | 301152 -31 | 301394 -31 | 301475 -25 |            |
| 300978 -25 | None       | 301152 -32 | 301394 -32 |            |            |
| 300978 -26 | None       | 301152 -33 | 301394 -33 | 301475 -15 |            |
| 300978 -28 | None       | 301152 -34 | 301394 -34 | 301475 -7  |            |
| 300978 -30 | None       | 301152 -35 | 301394 -35 |            |            |
|            |            | 301152 -36 | 301394 -36 |            |            |
|            |            | 301152 -37 | 301394 -37 |            |            |
|            |            | 301152 -38 | 301394 -38 | 301475 -31 |            |
|            |            | 301152 -39 | 301394 -39 |            |            |
|            |            | 301152 -40 | 301394 -40 |            |            |
|            |            | 301152 -41 | 301394 -41 |            |            |
|            |            | 301152 -42 | 301394 -42 |            |            |
|            |            | 301152 -43 | 301394 -43 |            |            |
|            |            | 301152 -44 | 301394 -44 | 301475 -24 |            |
|            |            | 301152 -45 | 301394 -45 |            |            |
|            |            | 301152 -46 | 301394 -46 | 301475 -26 |            |
|            |            | 301152 -47 | 301394 -47 |            |            |

# SUPERSESSION LIST

MODELS:

1241 to AMO/APO1000-4 to AMO/APO1750-4

AMO/APO1000-4 & 1750-4

| 1241-D | 1241-D | 1241-D     | 1241-D     | AMO1000-4D | AMO1750-4D |
|--------|--------|------------|------------|------------|------------|
|        |        | 301152 -48 | 301394 -48 |            |            |
|        |        | 301152 -49 | 301394 -49 |            |            |
|        |        | 301152 -50 | 301394 -50 |            |            |
|        |        | 301152 -51 | 301394 -51 | 301475 -8  |            |
|        |        | 301152 -52 | 301394 -52 |            |            |
|        |        | 301152 -53 | 301394 -53 |            |            |
|        |        | 301152 -54 | 301394 -54 |            |            |
|        |        | 301152 -55 | 301394 -55 | 301475 -28 |            |
|        |        | 301152 -56 | 301394 -56 | 301475 -17 |            |
|        |        |            |            |            |            |
|        |        | 301152 -57 | 301394 -57 | 301475 -9  | 301766 -8  |
|        |        |            |            |            |            |
|        |        | 301152 -58 | 301394 -58 | 301475 -10 |            |
|        |        |            | 301394 -59 | 301475 -16 |            |
|        |        |            | 301394 -60 |            |            |
|        |        |            | 301394 -61 | 301475 -4  |            |
|        |        |            | 301394 -62 | 301475 -11 | 301766 -9  |
|        |        |            | 301394 -63 | 301475 -12 |            |
|        |        |            | 301394 -64 | 301475 -22 |            |
|        |        |            | None       | 301475 -14 |            |
|        |        |            | None       | 301475 -21 |            |
|        |        |            | None       | 301475 -32 |            |
|        |        |            |            | 301475 -33 |            |
|        |        |            |            | 301475 -34 |            |
|        |        |            |            | 301475 -35 |            |
|        |        |            |            | 301475 -36 |            |
|        |        |            |            | 301475 -37 | 301766 -3  |
|        |        |            |            | 301475 -38 |            |
|        |        |            |            | 301475 -39 | 301766 -10 |
|        |        |            |            | 301475 -40 |            |
|        |        |            |            | 301475 -41 |            |
|        |        |            |            | 301475 -42 |            |
|        |        |            |            | 301475 -44 |            |
|        |        |            |            | 301475 -45 |            |
|        |        |            |            | 301475 -46 |            |
|        |        |            |            | 301475 -47 | 301766 -11 |
|        |        |            |            | 301475 -48 | 301766 -4  |
|        |        |            |            | 301475 -50 | 301766 -5  |
|        |        |            |            | 301475 -51 | 301766 -6  |
|        |        |            |            | 301475 -52 | 301766 -7  |
|        |        |            |            |            | 301766 -25 |

# SUPERSESSION LIST

MODELS:

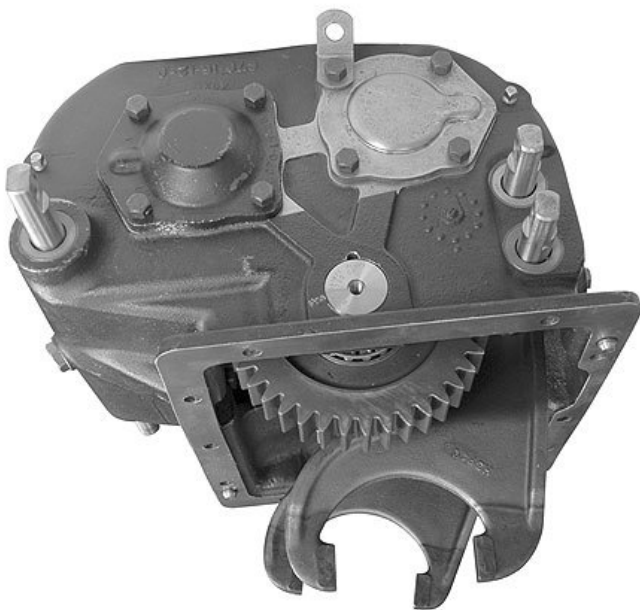
1241 to AMO/APO1000-4 to AMO/APO1750-4

AMO/APO1000-4 & 1750-4

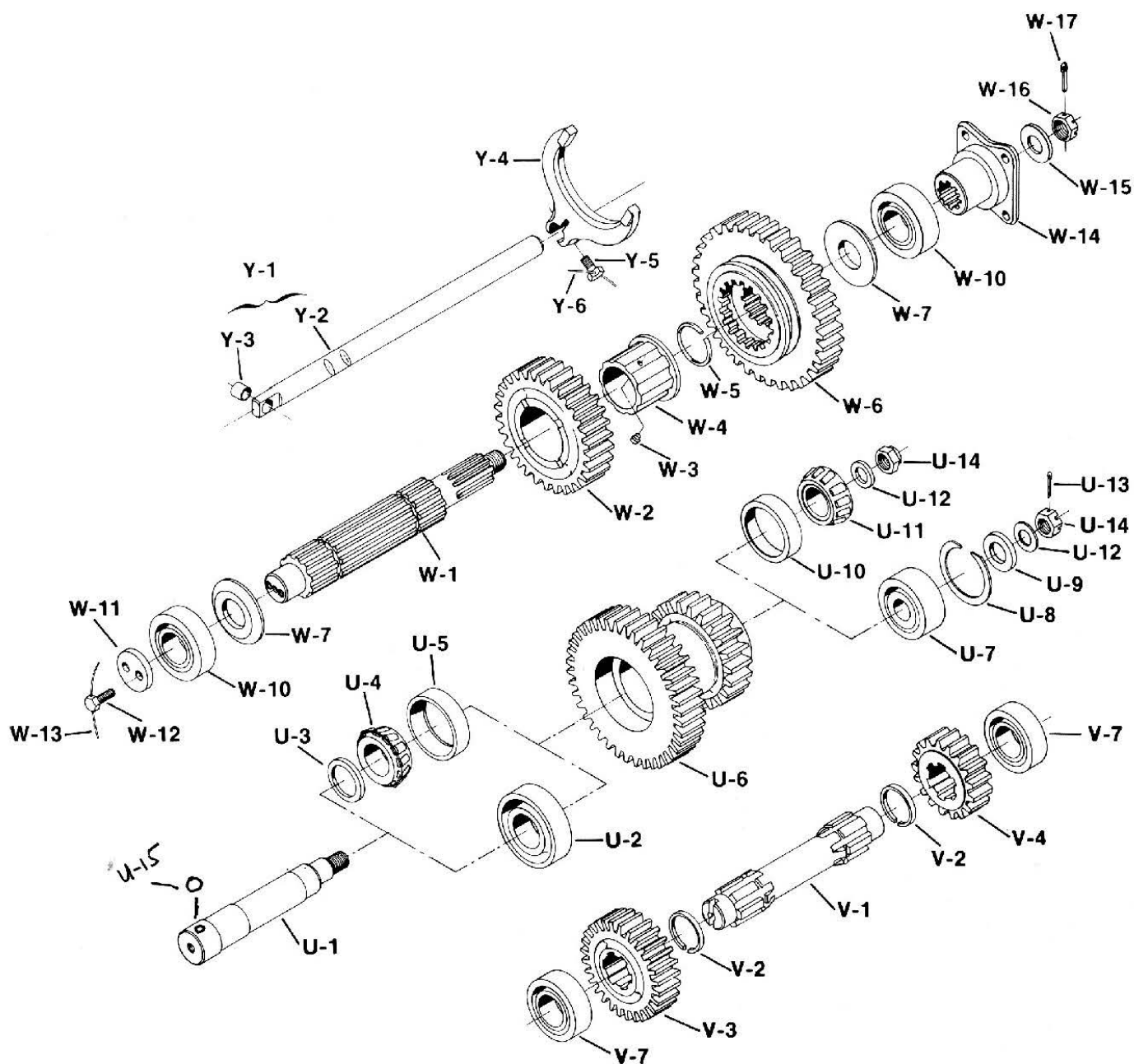
| P1241-C    | P1241-C    | APO1000-4C | APO1750-4C | P1241-D    | P1241-D    | APO1000-4D | APO1750-4D |
|------------|------------|------------|------------|------------|------------|------------|------------|
| 301053 -1  | 301053 -1  | 301476 -1  |            | 301053 -1  | 301053 -1  | 301477 -1  | 301767 -2  |
| 301053 -2  | 301053 -2  | 301476 -11 |            | 301053 -2  | 301053 -2  |            |            |
| 301053 -3  | 301053 -3  |            |            | 301053 -3  | 301053 -3  |            |            |
| 301053 -4  | 301053 -4  |            |            | 301053 -4  | 301053 -4  | 301477 -7  | 301767 -4  |
| 301053 -5  | 301053 -5  |            |            | 301053 -5  | 301053 -5  | 301477 -11 |            |
| 301053 -6  | 301053 -6  |            |            | 301053 -6  | 301053 -6  |            |            |
| 301053 -7  | 301053 -7  |            |            | 301053 -7  | 301053 -7  |            |            |
| 301053 -8  | 301053 -8  |            |            | 301053 -8  | 301053 -8  |            |            |
| 301053 -9  | 301053 -9  | 301476-14  |            | 301053 -9  | 301053 -9  |            |            |
| 301053 -10 | 301053 -10 |            |            | 301053 -10 | 301053 -10 |            |            |
| 301053 -11 | 301053 -11 |            |            | 301053 -11 | 301053 -11 |            |            |
| 301053 -12 | 301053 -12 |            |            | 301053 -12 | 301053 -12 |            |            |
| 301053 -13 | 301053 -13 |            |            | 301053 -13 | 301053 -13 | 301477 -5  |            |
| 301053 -14 | 301053 -14 |            |            | 301053 -14 | 301053 -14 | 301477 -6  | 301767 -3  |
| 301053 -15 | 301053 -15 |            |            | 301053 -15 | 301053 -15 |            |            |
| 301053 -16 | 301053 -16 | 301476 -8  |            | 301053 -16 | 301053 -16 |            |            |
| 301053 -17 | 301053 -17 |            |            | 301053 -17 | 301053 -17 | 301477 -10 |            |
| 301053 -18 | 301053 -18 | 301476 -7  |            | 301053 -18 | 301053 -18 | 301477 -3  |            |
| 301053 -19 | 301053 -19 |            |            | 301053 -19 | 301053 -19 |            |            |
| 301053 -20 | 301053 -20 |            |            | 301053 -20 | 301053 -20 |            |            |
| 301053 -21 | 301053 -21 |            |            | 301053 -21 | 301053 -21 | 301477 -4  |            |
| 301053 -22 | 301053 -22 |            |            | 301053 -22 | 301053 -22 |            |            |
| 301053 -23 | 301053 -23 | 301476 -20 |            | 301053 -23 | 301053 -23 |            |            |
| 301053 -24 | 301053 -24 |            |            | 301053 -24 | 301053 -24 |            |            |
| 301053 -25 | 301053 -25 | 301476 -2  |            | 301053 -25 | 301053 -25 |            |            |
| 301053 -26 | 301395 -26 |            |            | 301054 -26 | 301396 -26 |            |            |
| 301053 -27 | 301395 -27 |            |            | 301054 -27 | 301396 -27 |            |            |
| 301053 -28 | 301395 -28 |            |            | 301396 -2  | 301477 -2  |            |            |
| 301053 -29 | 301395 -29 | 301476 -9  |            |            | 301396 -29 |            |            |
| 301053 -30 | 301395 -30 |            |            |            |            | 301477 -8  | 301768 -3  |
| 301053 -31 | 301395 -31 | 301476 -4  |            |            |            | 301477 -9  | 301768 -4  |
| 301053 -32 | 301395 -32 |            |            |            |            | 301477 -12 |            |
| 301053 -33 | 301395 -33 | 301476 -3  | 301767-16  |            |            | 301477 -13 |            |
| 301053 -34 | 301395 -34 |            |            |            |            | 301477 -14 |            |
| 301053 -35 | 301395 -35 |            |            |            |            | 301477 -15 |            |
| 301053 -36 | 301395 -36 |            |            |            |            | 301477 -16 |            |
| 301053 -37 | 301395 -37 |            |            |            |            | 301477 -1  | 301768 -2  |
| 301053 -38 | 301395 -38 | 301476 -19 |            |            |            |            | 301768 -25 |
| 301053 -39 | 301395 -39 |            |            |            |            |            |            |
| 301053 -40 | 301395 -40 | 301476 -16 |            |            |            |            |            |
| 301053 -41 | 301395 -41 | 301476 -6  |            |            |            |            |            |
| 301053 -42 | 301395 -42 | 301476 -15 |            |            |            |            |            |
| 301053 -43 | 301395 -43 |            |            |            |            |            |            |
| 301053 -44 | 301395 -44 |            |            |            |            |            |            |
| None       | None       | 301476 -5  |            |            |            |            |            |
| None       | None       | 301476 -10 |            |            |            |            |            |
| None       | None       | 301476 -12 | 301767 -5  |            |            |            |            |
| None       | None       | 301476 -13 | 301767 -19 |            |            |            |            |
| None       | None       | 301476 -17 | 301767 -20 |            |            |            |            |
| None       | None       | 301476 -18 |            |            |            |            |            |
| None       | None       | 301476 -21 |            |            |            |            |            |
|            |            | 301476 -25 | 301767 -6  |            |            |            |            |
|            |            | 301476 -30 | 301767 -7  |            |            |            |            |
|            |            | 301476 -32 | 301767 -8  |            |            |            |            |
|            |            | 301476 -38 | 301767 -9  |            |            |            |            |
|            |            | 301476 -40 | 301767 -10 |            |            |            |            |
|            |            | 301476 -42 | 301767 -11 |            |            |            |            |
|            |            | 301476 -43 | 301767 -12 |            |            |            |            |
|            |            | 301476 -44 | 301767 -13 |            |            |            |            |
|            |            | 301476 -45 | 301767 -14 |            |            |            |            |
|            |            | 301476 -46 | 301767 -15 |            |            |            |            |
|            |            |            | 301767 -25 |            |            |            |            |

**INTERNAL LUBE**

**TOP MOUNTED  
POWER TAKE-OFFS  
for Auxiliary  
Transmissions**



**Parts Catalog**

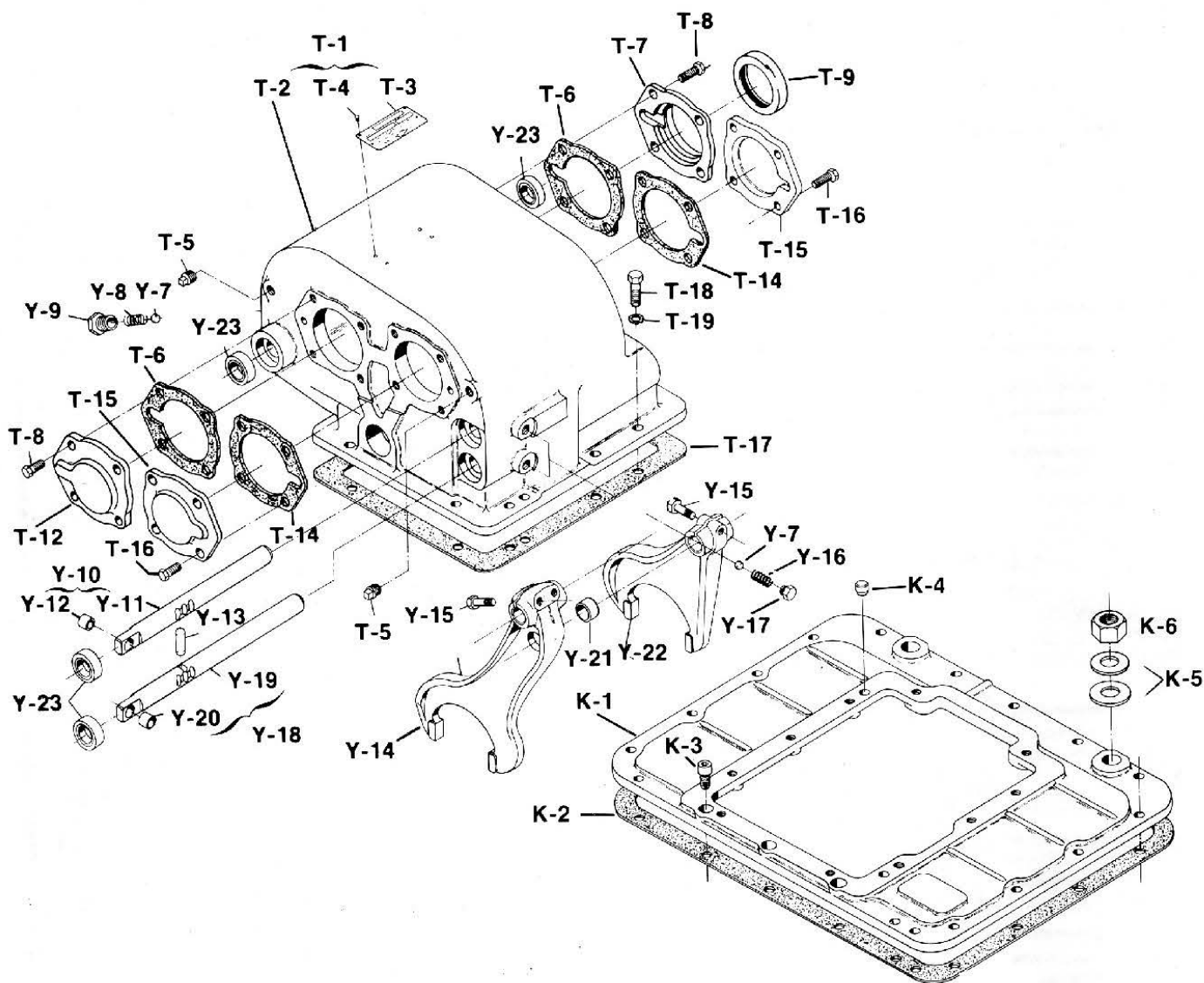


| Ref. No.                        | Part No.   | Basic Assembly                                     | 313254X |
|---------------------------------|------------|----------------------------------------------------|---------|
|                                 |            | <b>Top Mounted P.T.O. Assembly</b>                 |         |
|                                 |            | ATO1750-4      ATO1000-4                           | 1       |
| <b>SHIFTER PARTS</b>            |            |                                                    |         |
| Y-1                             | 98-67-4-1X | Rod & Bushing Assembly P.T.O. shift (includes Y-3) | 1       |
| Y-2                             | N.S.S.     | Shift Rod                                          | 1       |
| Y-3                             | 71-24-14   | Bushing-shift rod                                  | 1       |
| Y-4                             | 70-66-12   | Fork-output sliding gear shift                     | 1       |
| Y-5                             | 595-D      | Screw-shift fork                                   | 2       |
| Y-6                             | LW-3-9     | Lockwire                                           | AR      |
| <b>OUTPUT SHAFT &amp; GEARS</b> |            |                                                    |         |
| W-1                             | 70-362-10  | Output Shaft                                       | 1       |
| W-2                             | 98-8-9     | Gear-output drive (28T)                            | 1       |
| W-3                             | 425-SP     | Pin-output drive gear sleeve                       | 1       |
| W-4                             | 98-37-5    | Sleeve-output drive gear                           | 1       |
| W-5                             | 98-381-3   | Snap Ring                                          | 1       |
| W-6                             | 98-8-11    | Gear-output sliding (37T)                          | 1       |
| W-7                             | 948-W      | Washer-output shaft bearing                        | 2       |
| W-10                            | 550940     | Cylindrical-output shaft bearing                   | 2       |
| W-11                            | 517-W      | Washer-bearing retainer                            | 1       |
| W-12                            | 689-D      | Screw-bearing retainer washer                      | 2       |
| W-13                            | LW-3-9     | Lockwire                                           | AR      |
| W-14                            | See Tab    | Flange or Yoke                                     | AR      |
| W-15                            | 139-W      | Washer-29/32" I. D.                                | 1       |
| W-16                            | 263-J      | Nut-7/8"-16 hex castellated                        | 1       |
| W-17                            | 500024-7   | Cotter Pin-1/8" x 1 1/4"                           | 1       |

| Ref. No.                             | Part No. | Basic Assembly                        | 313254X |
|--------------------------------------|----------|---------------------------------------|---------|
| <b>INTERMEDIATE SHAFT &amp; GEAR</b> |          |                                       |         |
| U-1                                  | 98-187-1 | Intermediate Shaft-w/self-locking nut | 1       |
| U-3                                  | 330816   | Washer-w/cup & cone bearing           | 1       |
| U-4                                  | 550912   | Cone-intermediate shaft front bearing | 1       |
| U-5                                  | 550913   | Cup-intermediate shaft front bearing  | 1       |
| U-6                                  | 98-30-5  | Gear-intermediate(39T - 20T)          | 1       |
| U-10                                 | 550228   | Cup-intermediate rear bearing         | 1       |
| U-11                                 | 550183   | Cone-intermediate rear bearing        | 1       |
| U-12                                 | 22W      | Flat Washer                           | 1       |
| U-14                                 | 545007   | Nut-3/4"-16 hex (self locking)        | 1       |
| U-15                                 | 500566-8 | Ball Intermediate Shaft               | 1       |
| <b>REVERSE SHAFT &amp; GEARS</b>     |          |                                       |         |
| V-1                                  | 70-60-6  | Reverse Shaft (1 3/4"-6 spline)       | 1       |
| V-2                                  | 70-381-5 | Snap Ring                             | 2       |
| V-3                                  | 98-196-5 | Gear-reverse drive (26T)              | 1       |
| V-4                                  | 70-5-4   | Gear-reverse (17T)                    | 1       |
| V-7                                  | 550941   | Cylindrical-reverse shaft bearing     | 2       |

N.S.S. - Not Sold Separately

N.S. - Not Shown



| Ref. No.          | Part No.    | Basic Assembly                               | 313254X |
|-------------------|-------------|----------------------------------------------|---------|
|                   |             | <b>Top Mounted P.T.O. Assembly</b>           |         |
|                   |             | ATO1750-4      ATO1000-4                     | 1       |
| <b>CASE PARTS</b> |             |                                              |         |
| T-1               | 70-15-42-3X | Case Assembly                                | 1       |
| T-2               | N.S.S.      | Case                                         | 1       |
| T-3               | NP-96-TTC   | Nameplate                                    | 1       |
| T-4               | 252-SP      | Pins nameplate                               | 4       |
| T-5               | 500111      | Plug-1/8" - 27 N. P. T. F.                   | 2       |
| T-6               | 70-223-26   | Gasket-output shaft bearing cap              | 2       |
| T-7               | 98-19-4     | Cap-output shaft bearing (open end)          | 1       |
| T-8               | 545002-4    | Screw-3/8"-16 x 1 1/8" hex head nylon patch  | 8       |
| T-9               | 22-463-13   | Oil Seal-output shaft                        | 1       |
| T-12              | 98-19-3     | Cap-output shaft bearing (closed end)        | 1       |
| T-14              | 70-223-23   | Gasket-reverse shaft bearing cap             | 2       |
| T-15              | 70-22-16    | Cap-reverse shaft bearing                    | 2       |
| T-16              | 545002-1    | Screw-3/8"-16 x 7/8" hex head nylon patch    | 8       |
| T-17              | 70-155-4    | Gasket - P.T.O. to Auxiliary                 | 1       |
| T-18              | 545028      | Screw-7/16"-14 x 1 1/4" hex head nylon patch | 8       |
| N.S.              | 237-V       | Stud 7/16" 14 --- 20 x 1 7/8"                | 2       |
| T-19              | 330547      | Lock washer - 7/16" (external tooth)         | 2       |
| N.S.              | 500371-4    | Nut - 7/16" - 20                             | 2       |

| Ref. No.                   | Part No.    | Basic Assembly                                           | 313254X |
|----------------------------|-------------|----------------------------------------------------------|---------|
| <b>SHIFTER PARTS</b>       |             |                                                          |         |
| Y-7                        | 50-80-1     | Ball - poppet                                            | 3       |
| Y-8                        | 22-72-5     | Spring poppet                                            | 1       |
| Y-9                        | 30-59-4     | Retainer-poppet spring                                   | 1       |
| Y-10                       | 98-67-13-1X | Rod and Bushing Assembly - Use with M/S 98-362-3         | 1       |
| Y-11                       | N.S.S.      | Shift Rod                                                | 1       |
| Y-12                       | 71-24-14    | Bushing - shift rod                                      | 1       |
| Y-13                       | 70-12-1     | Interlock                                                | 1       |
| Y-14                       | 98-66-10    | Fork - 3rd & 4th shift                                   | 1       |
| Y-15                       | 545063      | Screw - 7/16" - 20 x 13/16" square head nylon patch      | 2       |
| Y-16                       | 22-72-2     | Spring poppet                                            | 2       |
| Y-17                       | 854-D       | Plug - poppet spring                                     | 2       |
| Y-18                       | 98-67-2-1X  | Rod & Bushing Assembly - 1st & 2nd shift (includes Y-20) | 1       |
| Y-19                       | N.S.S.      | Shift Rod                                                | 1       |
| Y-20                       | 71-24-4     | Bushing - shift rod                                      | 1       |
|                            | 98-66-3     | Fork - 1st & 2nd shift                                   | 1       |
| Y-23                       | 61-463-4    | Oil Seal - shift rod                                     | 4       |
| <b>ADAPTER PLATE PARTS</b> |             |                                                          |         |
| K-1                        | 98-215-3    | Adapter Plate MUST be ordered separately                 | 1       |
| K-2                        | 98-155-1    | Gasket Adapter plate to Auxiliary                        | 1       |
| K-3                        | 500504-5    | Screw 7/16" 14 x 7/8" socket head                        | 2       |
| K-4                        | 275-SP      | Dowel Pin                                                | 2       |
| K-5                        | 16-W        | Washer 7/8" I.D. case anchor spacer                      | 4       |
| K-6                        | 500371-9    | Nut 7/8" 14 (Not included in Assembly)                   | 2       |

| Tab No.     | Used with Auxiliary   | Location of Output Shaft | Companion Flange |        |
|-------------|-----------------------|--------------------------|------------------|--------|
|             |                       |                          | Part No.         | Series |
| 313254 -1X  | ATO1000-4 & ATO1750-4 | Rear                     |                  |        |
| 313254 -2X  | ATO1000-4 & ATO1750-4 | Rear                     |                  |        |
| 313254 -3X  | ATO1000-4 & ATO1750-4 | Front                    |                  |        |
| 313254 -4X  | ATO1000-4 & ATO1750-4 | Front                    |                  |        |
| 313254 -5X  | ATO1000-4 & ATO1750-4 | Front                    |                  |        |
| 313254 -6X  | ATO1000-4 & ATO1750-4 | Front                    | 3-1-4011         | 1410   |
| 313254 -7X  | ATO1000-4 & ATO1750-4 | Rear                     | 3-1-4011         | 1410   |
| 313254 -8X  | ATO1000-4 & ATO1750-4 | Front                    |                  |        |
| 313254 -9X  | ATO1000-4 & ATO1750-4 | Rear                     | 3-4-3291         | 1350   |
| 313254 -10X | ATO1000-4 & ATO1750-4 | Rear                     | 3-1-4011         | 1410   |

| Tab No.     | Lockout Sleeve |      | Shift Rod Assembly |             |             |
|-------------|----------------|------|--------------------|-------------|-------------|
|             | Part No.       | Gear | • 1st only         | • 1st & 2nd | P.T.O.      |
| 313254 -1X  |                |      | • 98-67-2 -1X      |             | 98-67-4 -1X |
| 313254 -2X  |                |      | • 98-67-2 -1X      |             | 98-67-4 -1X |
| 313254 -3X  |                |      | • 98-67-2 -1X      |             | 98-67-4 -1X |
| 313254 -4X  |                |      | • 98-67-2 -1X      |             | 98-67-4 -1X |
| 313254 -5X  | 60-203-14      | OD   | • 98-67-2 -1X      |             | 98-67-4 -1X |
| 313254 -6X  |                |      | • 98-67-2 -1X      |             | 98-67-4 -1X |
| 313254 -7X  |                |      | • 98-67-2 -1X      |             | 98-67-4 -1X |
| 313254 -8X  | 60-203-14      | OD   | • 98-67-2 -1X      |             | 98-67-4 -1X |
| 313254 -9X  |                |      | • 98-67-2 -1X      |             | 98-67-4 -1X |
| 313254 -10X | 60-203-14      | OD   | • 98-67-2 -1X      |             | 98-67-4 -1X |

**TOP MOUNTED POWER TAKE OFF**

## Superseding List

| Part No.  | Model    | Use        |
|-----------|----------|------------|
| 313221-1X | 1241/ATO | 313254-1X  |
| 313221-2X | 1241/ATO | 313254-2X  |
| 313221-3X | 1241/ATO | 313254-3X  |
| 313221-4X | 1241/ATO | 313254-4X  |
| 313221-5X | 1241/ATO | 313254-5X  |
| 313221-6X | 1241/ATO | 313254-6X  |
|           | 1241/ATO | 313254-7X  |
|           | 1241/ATO | 313254-8X  |
|           | 1241/ATO | 313254-9X  |
|           | 1241/ATO | 313254-10X |

## Companion Flanges & Flange Yokes

T210-59

| Joint Series | Flange Diameter | Companion Flange Sub-Assembly | Consists of      |         | End of Hub to Flange Face Length | Pilot Diameter<br>F-Female<br>M-Male | Used with   |                         |
|--------------|-----------------|-------------------------------|------------------|---------|----------------------------------|--------------------------------------|-------------|-------------------------|
|              |                 |                               | Companion Flange | Flinger |                                  |                                      | Flange Yoke | Flange Yoke 1650 Series |

### Output End of Shaft ..... 1.377" Ten Spline

|           |       |          |  |  |        |          |         |  |
|-----------|-------|----------|--|--|--------|----------|---------|--|
| 1350-1410 | 45/8" | 3-1-4011 |  |  | 27/16" | F-2 3/4" | 3-2-159 |  |
| 1480      | 55/8" | 4-1-4691 |  |  | 25/8"  | F-3 3/4" | 4-2-669 |  |

## End Yoke

| Joint Series | End Yoke Sub-Assembly | Consists of |         | End of Hub to Center Line Length | Joint Angle |
|--------------|-----------------------|-------------|---------|----------------------------------|-------------|
|              |                       | Yoke        | Flinger |                                  |             |

### Output End of Shaft ..... 1.377" Ten Spline

|           |  |          |  |          |         |
|-----------|--|----------|--|----------|---------|
| 1260-1310 |  | 2-4-1731 |  | 37/16"   | 18°     |
| 1350      |  | 3-4-3291 |  | 3 11/16" | 22 1/2° |

## Bearing Kits - Cylindrical Roller Style

| Ref. No. | Part No. | Part Name | For Assembly No. | 313232X | 313254X |
|----------|----------|-----------|------------------|---------|---------|
|----------|----------|-----------|------------------|---------|---------|

### 312476-22X

### Bearing Kit - 1241/ATO10004-4, ATO1750-4

|      |        |                                         |  |   |   |
|------|--------|-----------------------------------------|--|---|---|
| W-10 | 550940 | Cylindrical-output shaft                |  | 1 | 1 |
| U-4  | 550912 | Cone - intermediate shaft front bearing |  | 2 | 2 |
| U-5  | 55Q913 | Cup - intermediate shaft front bearing  |  | 1 | 1 |
| U-10 | 550228 | Cup - intermediate shaft rear bearing   |  | 1 | 1 |
| U-11 | 550183 | Cone - intermediate shaft rear bearing  |  | 1 | 1 |
| V-7  | 550941 | Cylindrical - reverse shaft bearing     |  | 2 | 2 |

The Name Plate (NP-96) affixed to the TOP of the case is stamped with information:

SERIAL

B/M No.  MODEL

In requesting more information on these furnish the B/M No. and the Serial Number. Abbreviations used in this parts list include:

N.S. - Not Shown

N.S.S. - Not Sold Separately

N.R. - Not Required

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**906 W. Gore St.**

**Orlando, FL 32805**

