# Eaton Fuller FM-14D310B-LST Transmission Parts Manual

This is Eaton Fuller FM-14D310B-LST Transmission parts manual brought to you by Pro Gear and Transmission to assist you identifying the parts for your Eaton / Fuller transmission unit.

If you need any assistance identifying the correct Eaton / Fuller unit for your truck and equipment, contact your Eaton replacement partspecialists at Pro Gear and Transmission.

Pro Gear stocks every part for your Eaton transmission including: Valve Assemblies, Synchronizers, Yoke Assemblies, O-Ring Kits, Drive Gears, Gaskets, Bearing and Seal Kits, and much more.

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# Illustrated Parts List

**FM-14D310B-LST**

**November 2012**

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# Contents


**How To Use The Illustrated Parts List** ..... 3
**AFTERMARKET TRANSMISSIONS** ..... 4
**AUXILIARY DRIVE GEAR** ..... 5
**CASE (AUX)** ..... 6
**CASE (FRONT)** ..... 8
**CONTROLLER ECU & HARNESS** ..... 11
**COUNTERSHAFT & BRGS (AUX)** ..... 12
**COUNTERSHAFT ASSY** ..... 13
**FILTER REGULATOR** ..... 15
**HARNESS MOUNTING BRACKETS** ..... 16
**INERTIA BRAKE** ..... 20
**INPUT SHAFT & DRIVE GEAR** ..... 21
**INTEGRAL OIL PUMP** ..... 22
**KITS & ASSEMBLIES** ..... 24
**MAINSHAFT & SYNCHRO(AUX)** ..... 26
**MAINSHAFT ASSY** ..... 28
**MISCELLANEOUS** ..... 30
**OIL COOLER** ..... 31
**RANGE CYLINDER** ..... 33
**REVERSE IDLER** ..... 35
**SHIFT BAR HOUSING** ..... 37
**SHIFT CONTROLS** ..... 39
**X-Y SHIFTER MODULE** ..... 41

## How To Use The Illustrated Parts List

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

### Model Designation or Nomenclature

- For information regarding Model Designation and Nomenclature, visit www.roadranger.com.

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

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

### Identifying Kits and Assemblies

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

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

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

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

### Illustrations

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

### Parts Listing

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

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

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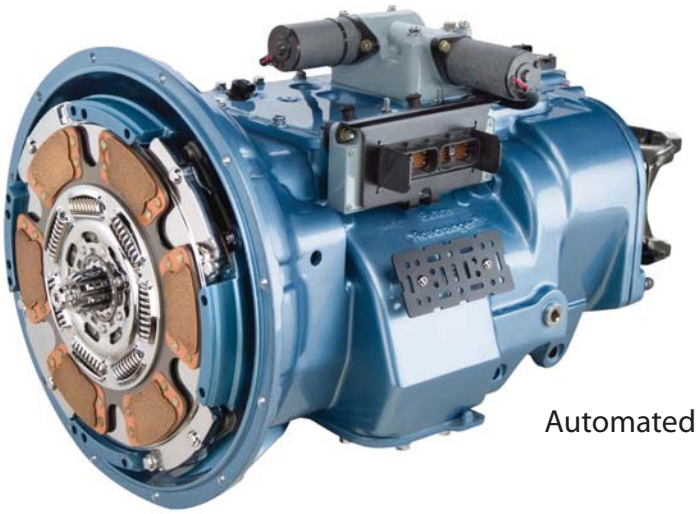

Automated Transmission

AFTMKT 09A-12

Generic Illustration - Not specific to part numbers listed below

## AFTERMARKET TRANSMISSIONS

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| | TA-G22-12X | FM-14D310B-LST NEW SVC EXCH TRANS | | 1 | WITH INTERNAL PUMP - NO CLUTCH HOUSING | |
| | TN-G22-12R | FM-14D310B-LST REMAN TRANS | | 1 | WITH INTERNAL PUMP | |
| | TN-G22-12X | FM-14D310B-LST NEW SVC EXCH TRANS | | 1 | WITH INTERNAL PUMP - NO CLUTCH HOUSING | |



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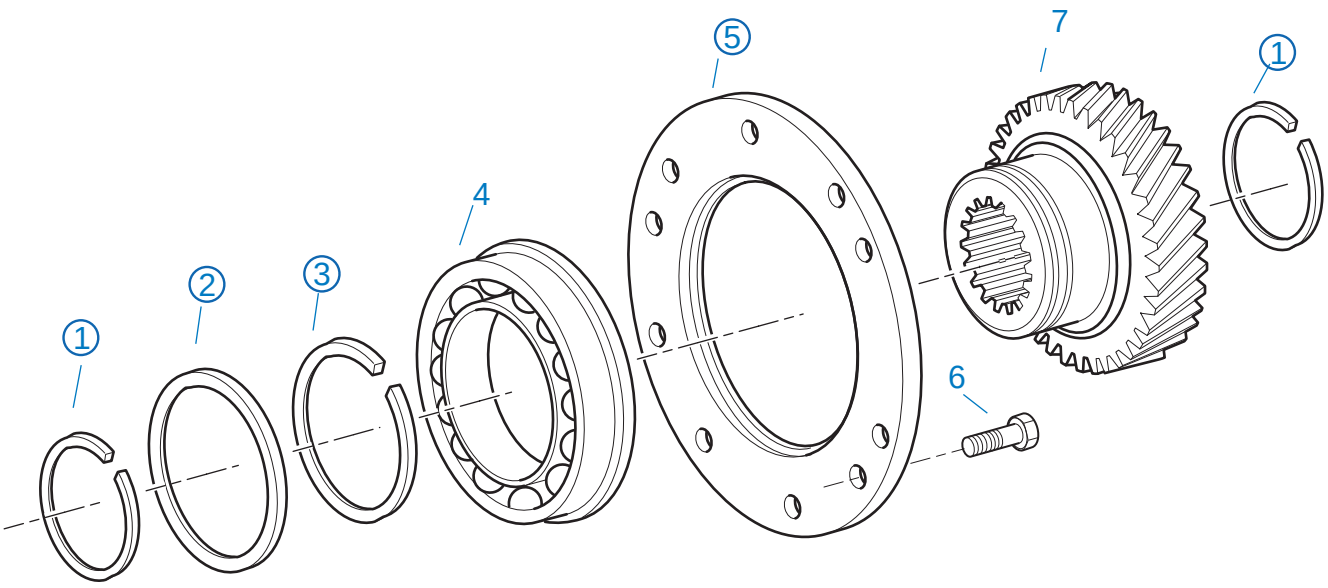
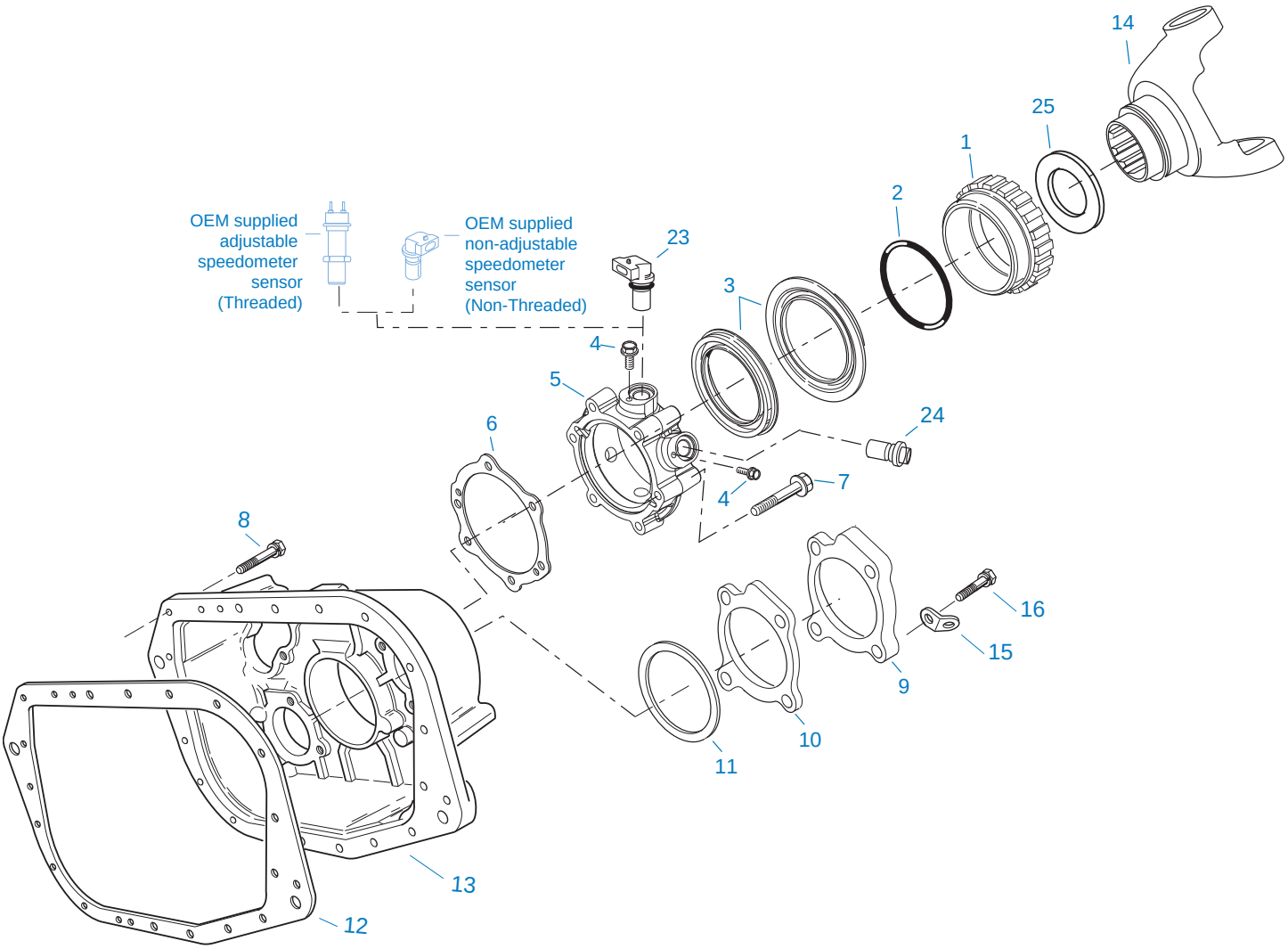
Group: AUXILIARY DRIVE GEAR




10480-12/92 Aux DG

## AUXILIARY DRIVE GEAR

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 1 ▶ | 16763 | SNAP RING | | 2 | | K-3519,K-3522 |
| 2 ▶ | 21320 | SNAP RING RETAINER | | 1 | | K-3519,K-3522 |
| 3 ▶ | 16628 | SNAP RING | | 1 | | |
| 4 | 5566507-BOX | BEARING | 5566504,5566507 | 1 | | K-3519,K-3522 |
| 5 ▶ | 16138 | BEARING RETAINER | | 1 | | |
| 6 | X-8-645 | CAPSCREW | X 8 612 | 6 | 3/8"-16X1" | |
| 7 ▶ | 23159 | AUXILIARY DRIVE GEAR | 21321 | 1 | | |




11406B-03-03

## CASE (AUX)

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 1 | S-2501 | SPEEDO ROTOR ASSY | 4302242 | 1 | MAGNETIC | |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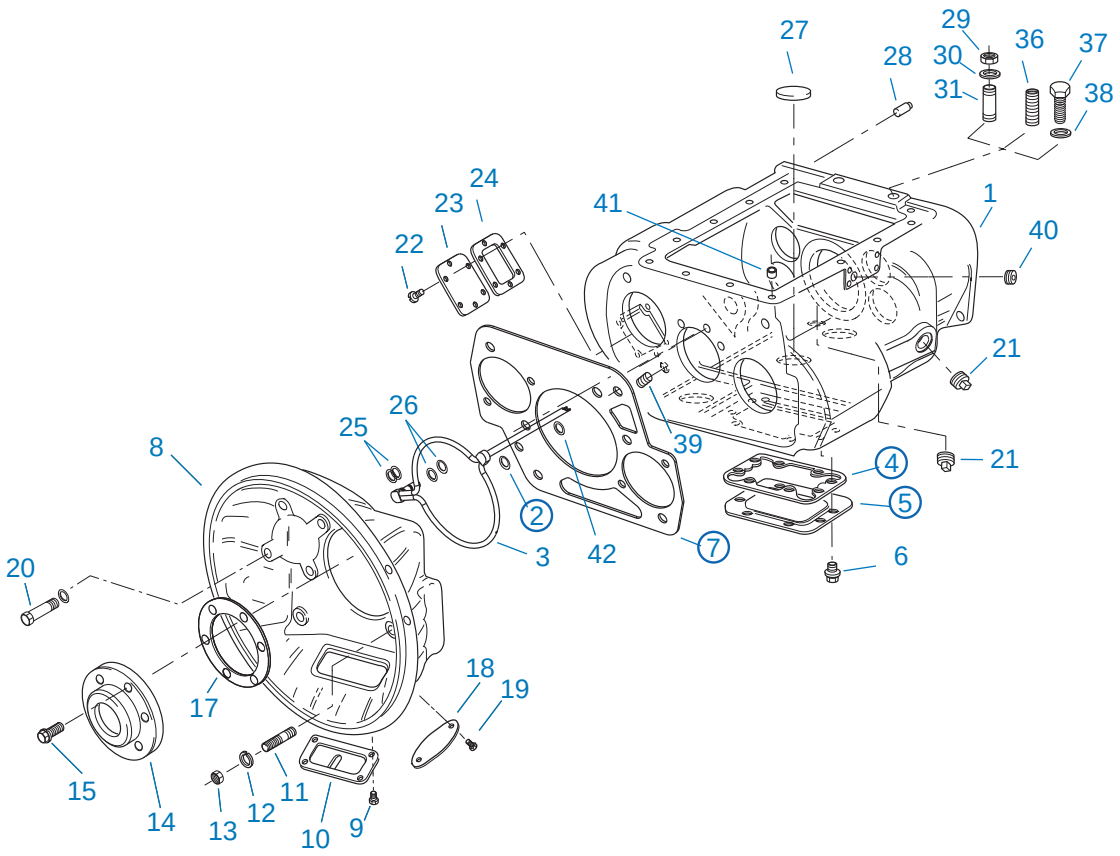
Blue part numbers link to our listing. ▶ = add that part to your cart.

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 2 ▶ | 5568511 | -O- RING | | 1 | | K-2918,S-2501,S-2913,S-2956 |
| 3 | K-2918 | OIL SEAL KIT | 4302322 4302323 | 1 | "FOR MAGNETIC COVER" | K-3519,K-3522 |
| 4 | X-8-0801M | CAPSCREW | | 3 | M8 X 1.25 X 12MM | |
| 5 | S-2913 | REAR BEARING COVER ASSY | 691637 ,4304651 ,4305833 | 1 | | |
| 6 ▶ | 1009551 | GASKET - RED EDGE MOLDED | | 1 | RED EDGE MOLDED GASKET - UNCOMPRESSED THICKNESS .043 - .051 - NOT INTERCHANGEABLE WITH ANY OTHER GASKET | K-2918,K-3518,S-2913 |
| 6 | 4302247 | GASKET - PURPLE EDGE MOLDED | | 1 | NON EDGE MOLDED GASKET - UNCOMPRESSED THICKNESS - .013 - .018 - NOT INTERCHANGABLE WITH ANY OTHER GASKET | K-2918,K-3518 |
| 7 | X-8L-611 | CAPSCREW | | 4 | 3/8"-16X3-1/4" | |
| 7 | X-8L-614 | CAPSCREW | | 2 | 3/8"-16X2" | |
| 8 | X-8L-602 | CAPSCREW | | 16 | 3/8"-16X1-1/2" | |
| 8 | X-8L-614 | CAPSCREW | | 2 | 3/8"-16X2" | |
| 8 | X-8L-616 | CAPSCREW | X 8 616 | 1 | 3/8"-16X2-3/4" | |
| 9 ▶ | 4302320 | COVER | 21346 | 2 | | S-2956 |
| 10 | 4305978 | GASKET | 4302246 | 2 | | K-3518,S-2956 |
| 11 | K-2805 | SHIM KIT | 21452 K - 2106 | 1 | | K-3519,K-3522,S-2956 |
| 12 ▶ | 14335 | GASKET | | 1 | | K-3518,S-2956 |
| 13 ▶ | 4305046 | REAR HOUSING | | 1 | | |
| 14 ▶ | 5505543 | YOKE-1710 HALF ROUND | | 1 | | |
| 15 ▶ | 20815 | LIFTING EYE | 17105 | 2 | | S-2956 |
| 16 | X-8L-600 | CAPSCREW | | 8 | 3/8"-16X1" | |
| 23 | K-3231 | SPEED SENSOR KIT | A - 6398 ,A - 6724 | 1 | SINGLE PICK-UP (2 PIN) | |
| 24 | K-3523 | SPEEDO PLUG KIT | 4302707 | 2 | | |
| 25 ▶ | 4304653 | SHIELD | | 1 | | S-2913 |

Group: CASE (FRONT)




10305E-08-04

## CASE (FRONT)

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 1 | S-3017 | CASE ASSEMBLY | 4305693 | 1 | | |
| 2 ▶ | 5568544 | -O- RING | | 1 | | |
| 3 | A-7471 | EXTENDED LUBE TUBE ASSY | 4305393 | 1 | | |
| 4 ▶ | 4305310 | GASKET | 4302810 | 1 | | K-3518,K-3637,K-3644 |
| 5 ▶ | 4302809 | PTO COVER | 16596 ,4300571 | 1 | | |
| 6 | X-8-725 | CAPSCREW | X 8 724 | 8 | 7/16"-14X7/8" | |
| 7 ▶ | 4306584 | CLUTCH HOUSING GASKET | 4304815,4305668 | 1 | | K-3518,K-3760,K-4051 |
| 8 | K-3760 | FORCED LUBE CL HSG KIT | 4304328, 4305819, 4305751 | 1 | #1 PULL ALUMINUM | |
| 9 | X-8-1200M | CAPSCREW | | (4) | M12 X 1.75 X 20MM | |
| 10 | K-3643 | CLUTCH HOUSING | 691954 | 1 | | |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| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| | | COVER KIT | | | | |
| 11 ▶ | 4306583 | STUD | 5966 | 6 | | |
| 12 | X-10-1005 | WASHER | X 3 1000 ,X10 1000 ,X10 1004 | 6 | 1.23 X 6.60 | K-4051 |
| 13 | X-1-1012 | HEX NUT | X-1-1005 | 6 | .625-18 | K-4051 |
| 14 ▶ | 20550 | FRONT BRG COVER | | 1 | 2" PULL | |
| 15 | X-8L-604 | CAPSCREW | | 6 | 3/8"-16X1-1/4" | |
| 17 ▶ | 14311 | GASKET | | 1 | | K-3518 |
| 18 ▶ | 4303692 | HAND HOLE COVER | | 1 | SEE PART MARKING ON COMPONENT PRIOR TO ORDERING TO ENSURE THAT THE PROPER SIZE HAND HOLE CAVER IS ORDERED | K-3760 |
| 18 ▶ | 4305365 | HAND HOLE COVER | | 1 | SEE PART MARKING ON COMPONENT PRIOR TO ORDERING TO ENSURE THAT THE PROPER SIZE HAND HOLE CAVER IS ORDERED | |
| 19 | X-8-423 | CAPSCREW | | 2 | 1/4"-20X1/2" | K-3760 |
| 20 | X-8C-830 | HEX HEAD SCREW/WASHER ASSY | X-8C-826 | 6 | .500-13 X 1.490 | K-3760,K-4051 |
| 21 ▶ | 4304023 | PLUG | 4303747 | 2 | 1-1/16" MAGNETIC, O-RING INCLUDED | |
| 22 | X-8-686 | CAPSCREW | | 6 | 3/8"-16X3/4" | |
| 23 ▶ | 14575 | PTO COVER | 4302254 | 1 | | |
| 24 ▶ | 4305309 | GASKET | 1684 | 1 | | K-3518,K-3637,K-3644,K-3739 |
| 25 ▶ | 13835 | -O- RING | | 2 | | |
| 26 ▶ | 13653 | -O- RING | | 2 | | K-2908 |
| 27 ▶ | 14373 | MAGNET | | 3 | | S-3017 |
| 28 ▶ | 18128 | PIN | | 2 | | |
| 29 | X-1-1012 | HEX NUT | | 2 | .625-18 | K-4051 |
| 30 | X-10-1005 | WASHER | X 3 1000 ,X10 1000 ,X10 1004 | 2 | 1.23 X 6.60 | K-4051 |
| 31 ▶ | 14554 | STUD | 1632 ,6579 | 2 | 5/8" X 2-3/16" | |
| 36 ▶ | 23104 | PLUG | 1712 | 2 | | |
| 37 | X-8-1005 | CAPSCREW | | 2 | 5/8"-11X1-1/4" | |
| 38 ▶ | 20814 | SPACER | | 2 | | |
| 39 | X-12-802 | PIPE PLUG | X12 800 | 1 | 1/2" | |

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 40 | X-12-1212 | PIPE PLUG | | 1 | | |
| 41 ▶ | 691447 | PIN | | 1 | | S-3017 |
| 42 ▶ | 13834 | -O- RING | | 1 | | |


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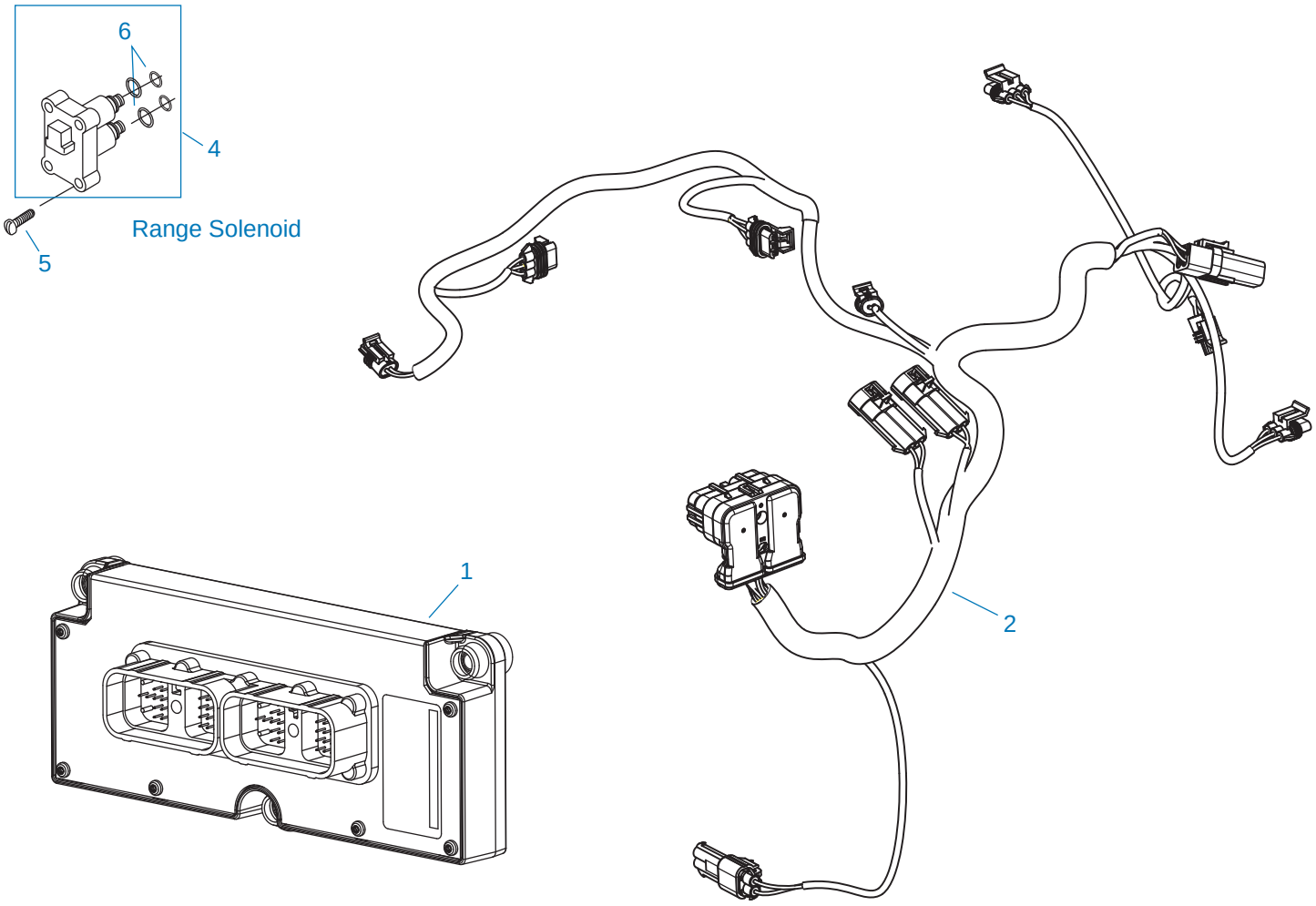
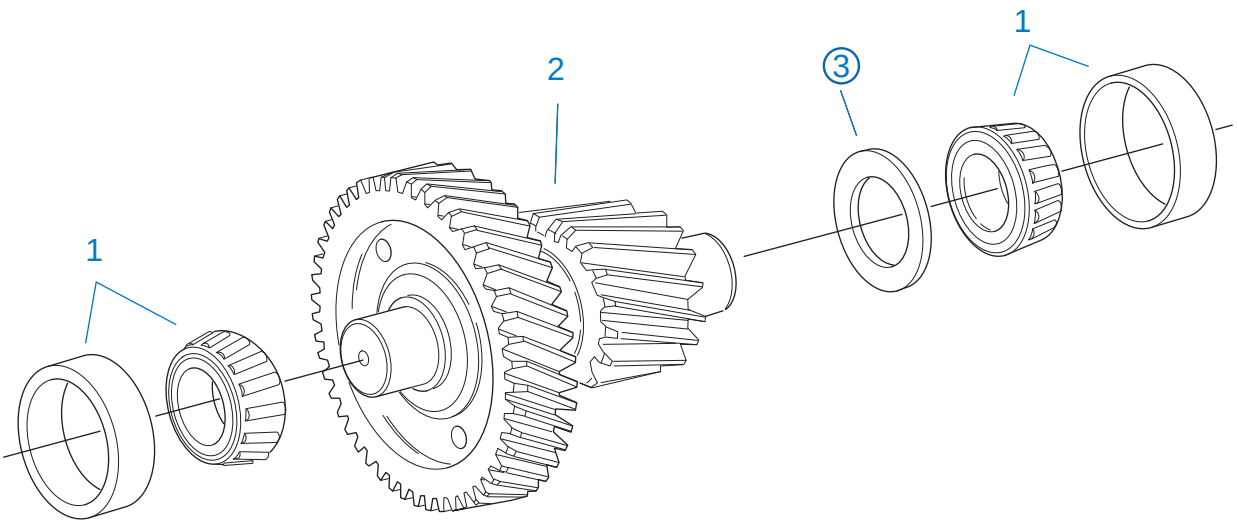



20322-10-05

## CONTROLLER ECU & HARNESS

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 1 | K-3766RX | REMAN EXCH TRANS CONTROLLER KIT | K-3766 | 1 | | |
| 2 | K-3681 | TRANS HARNESS KIT | 4305915 | 1 | | |
| 4 | K-3682 | RANGE/SPLITTER VALVE KIT | 5561801 ,5561804 ,K - 2907 | 1 | | |
| 5 | X-8-264 | HEX FLANGE HEAD SCREW | X 8 259 | 4 | #10-24 X 1 1/4 | |
| 6 | K-2908 | -O- RING KIT | | 1 | FOR SOLENOID VALVE | |

Group: COUNTERSHAFT & BRGS (AUX)




10440-1/92 Aux CS Helical

## COUNTERSHAFT & BRGS (AUX)

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 1 | 4302074-BOX | BEARING | 21343,4302074 | 4 | | K-3519,K-3522 |
| 2 | A-6338 | WELDED COUNTERSHAFT ASSY | A - 5626 | 2 | C/S 4302093 - D/G 23160 | |
| 3 ▶ | 21342 | SPACER | | 2 | | |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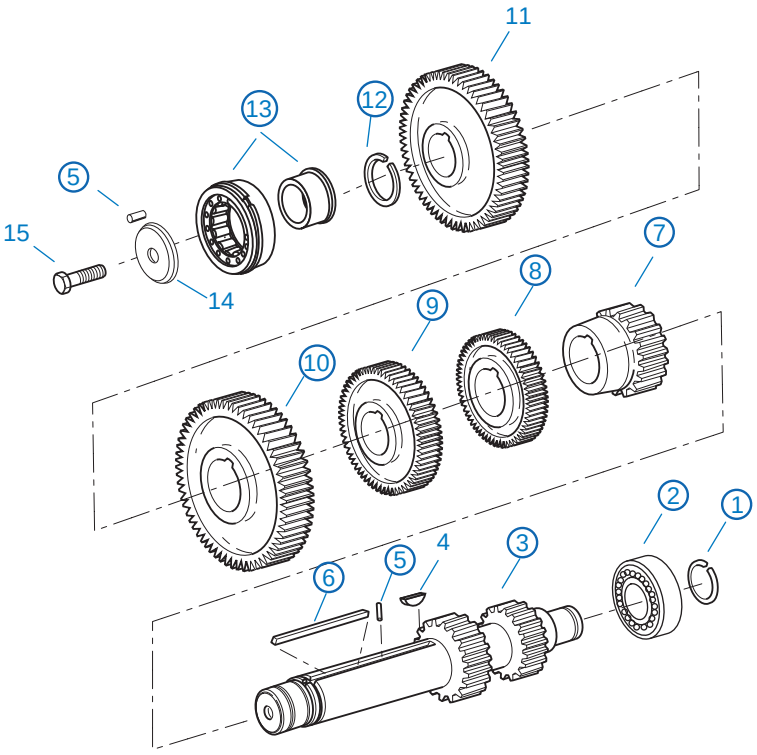
Group: COUNTERSHAFT ASSY




10341-1/92 CS/RT

## COUNTERSHAFT ASSY

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 1 ▶ | 14317 | SNAP RING | | 2 | | K-3519,K-3522 |
| 2 | 14366 | BEARING | | 2 | | K-3519,K-3522 |
| 3 ▶ | 4303621 | CNTRSHFT-W/REV & 1ST | 4303619 | 2 | | |
| 4 | X-6-E | KEY | | 2 | | |
| 5 ▶ | 62511 | ROLL PIN | | 4 | | |
| 6 ▶ | 4304840 | KEY | 19673 | 2 | | |
| 7 ▶ | 4306076 | 2ND GEAR-CNTRSHFT | | 2 | | |
| 8 ▶ | 4306072 | 3RD GEAR-CNTRSHFT | | 2 | | |
| 9 ▶ | 4306069 | 4TH GEAR-CNTRSHFT | | 2 | | |
| 10 ▶ | 15953 | PTO GEAR - LOWER | | 1 | | |
| 10 ▶ | 20840 | PTO GEAR - UPPER | 15952 | 1 | | |
| 11 ▶ | 4306079 | DRIVE GEAR-CNTRSHFT | | 2 | | |
| 12 ▶ | 19198 | SNAP RING | | 2 | | |
| 13 | 4304599 | BEARING | 4302677 4304598 | 2 | | K-3519,K-3522 |

**Blue part numbers link to our listing. ▶ = add that part to your cart.**

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 14 ▶ | 4304605 | RETAINER | 19548 | 2 | ROLL PIN NO LONGER REQUIRED | |
| 15 | X-7-1005 | CAPSCREW | | 2 | 5/8"-18X1-3/4" | |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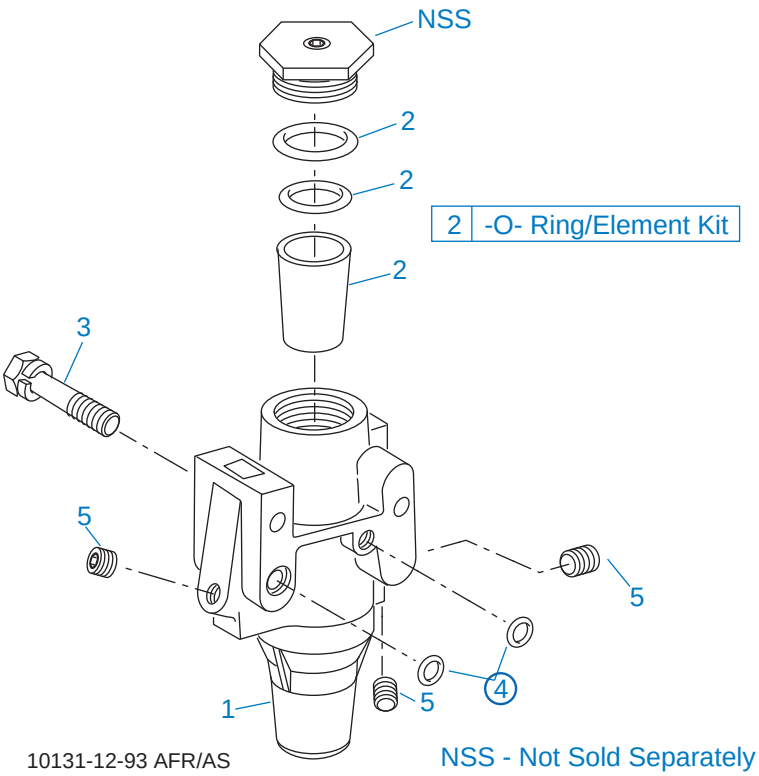
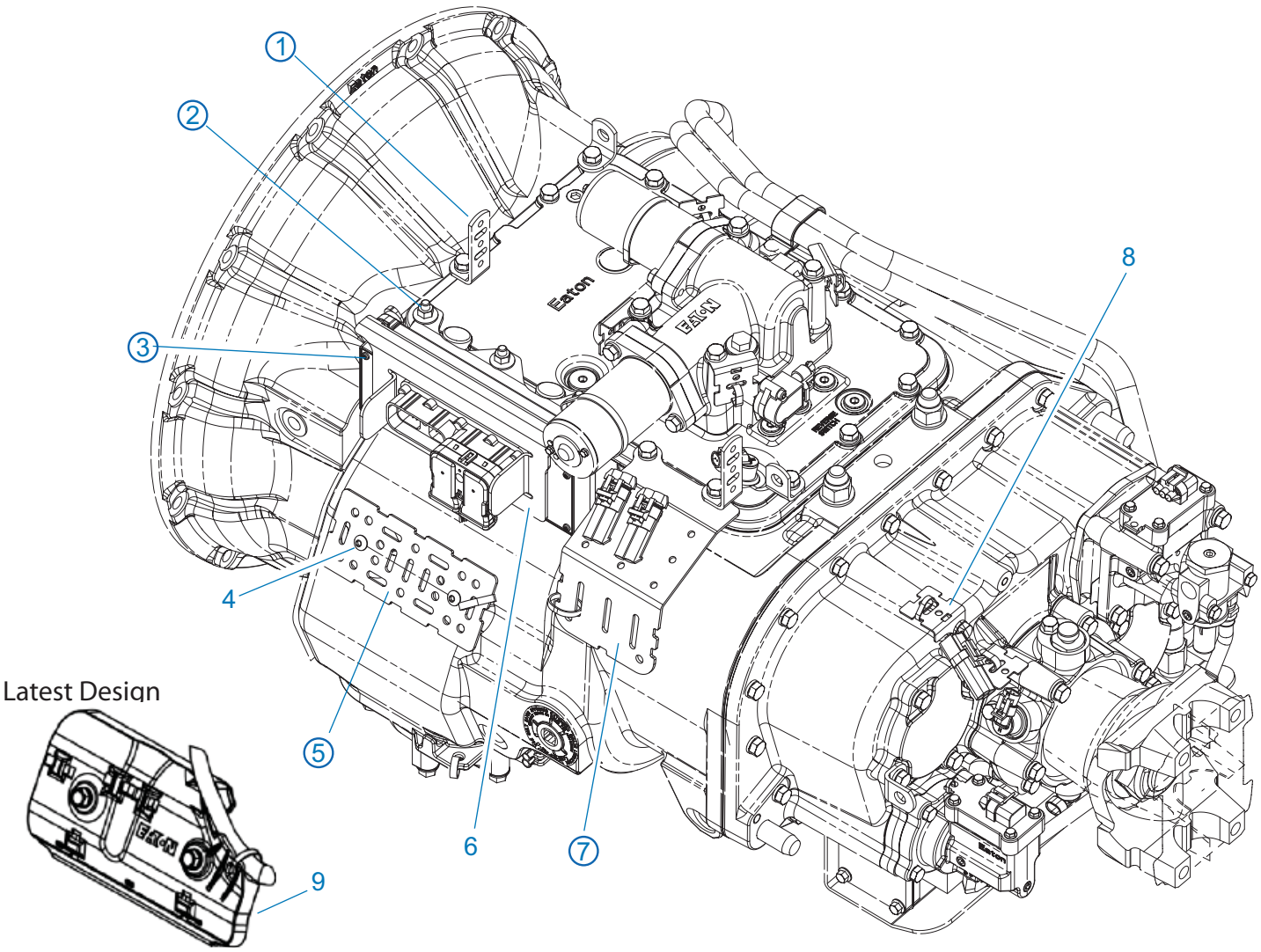
Group: FILTER REGULATOR




## FILTER REGULATOR

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 1 | K-2170 | FILTER REG KIT | A - 5454 | 1 | | |
| 2 | K-1698 | -O- RING/ELEMENT KIT | | 1 | FOR FILTER REGULATOR | |
| 3 | X-8C-412 | CAPSCREW | X 8S 412 | 2 | 1/4"-20X2-1/4" | |
| 4 ▶ | 15114 | -O- RING | | 2 | | K-2170,K-3365,K-3484 |
| 5 | X-12-208 | PIPE PLUG | | 3 | 1/8" NPT | |

Group: HARNESS MOUNTING BRACKETS




20323-07-06

## HARNESS MOUNTING BRACKETS

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 1 ▶ | 4305801 | STRAIN RELIEF BRACKET | | 1 | | |
| 2 ▶ | 4305870 | NUT ASSEMBLY | | 3 | 5/16-18 | K-3734 |
| 3 ▶ | 4305919 | NUT ASSEMBLY | | 3 | (1/4-20) | K-3734 |
| 4 | X-8-561 | BUTTON HEAD SCREW | | 2 | 5/16 X 5/8 | |
| 5 ▶ | 4305914 | HARNESS BRACKET | | 1 | | |
| 6 | K-3734 | TRANS CONTROLLER MOUNTING KIT | | 1 | | |
| 7 ▶ | 4305871 | WIRE BRACKET | | 1 | | |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| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 8 ▶ | 4307036 | HARNESS STRAP BRACKET | | 1 | | |
| 9 | K-4147 | HARNESS CRADLE BRACKET KIT | 4306511 | 1 | | |

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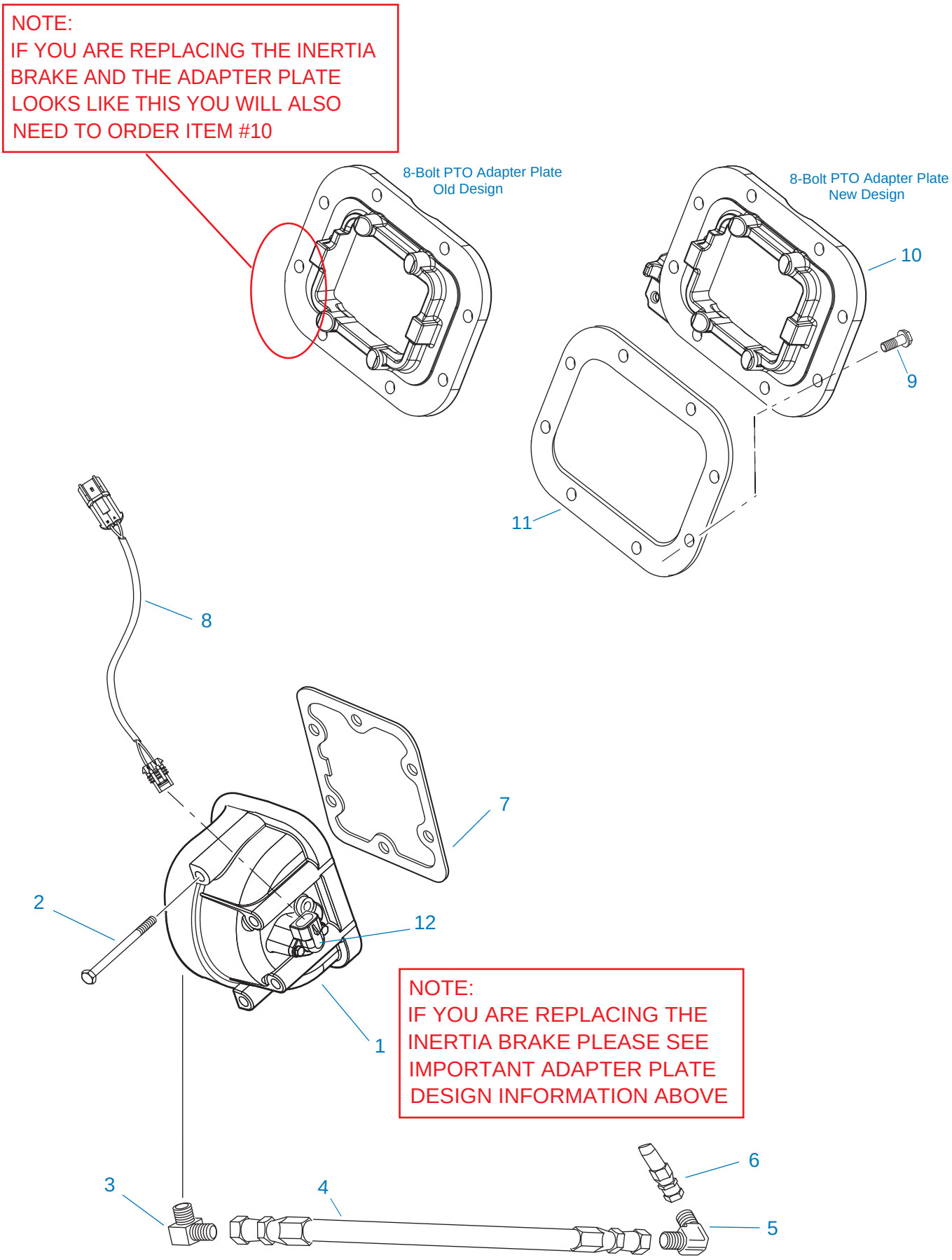
NOTE:
IF YOU ARE REPLACING THE INERTIA BRAKE AND THE ADAPTER PLATE LOOKS LIKE THIS YOU WILL ALSO NEED TO ORDER ITEM #10
8-Bolt PTO Adapter Plate
Old Design
8-Bolt PTO Adapter Plate
New Design
10
9
11
8
7
2
12
1
NOTE:
IF YOU ARE REPLACING THE INERTIA BRAKE PLEASE SEE IMPORTANT ADAPTER PLATE DESIGN INFORMATION ABOVE
6
3
4
5

20427-03-03

## INERTIA BRAKE

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 1 | K-3637 | INERTIA BRAKE KIT | A - 7452 | 1 | PLEASE SEE IMPORTANT SERVICE INFORMATION INDICATED ON ILLUSTRATION. | |
| 2 | X-8C-6123 | FASTENER & WASHER ASSY | X-8-6116 | (6) | | |
| 3 ▶ | 691603 | CONN 3/8 PIPE TO3/4 16 | | 1 | | |
| 4 ▶ | 5588210 | OIL HOSE ASSEMBLY | | 1 | | |
| 5 ▶ | 691651 | ELBOW, 90 DEG MALE | | 1 | | |
| 6 ▶ | 4305714 | FILTER FITTING | | 1 | | |
| 7 ▶ | 4305309 | GASKET | 1684 | 1 | | K-3518,K-3637,K-3644,K-3739 |
| 8 | K-3739 | INERTIA BRAKE RELOCATION KIT | | 1 | | |
| 9 | X-8C-722 | CAPSCREW | | 8 | 7/16-14X1-1/4 | |
| 10 | K-3644 | INERTIA BRK ADPT PLT KIT | 4305450 ,4305732 | 1 | | |
| 11 ▶ | 4305310 | GASKET | 4302810 | 1 | | K-3518,K-3637,K-3644 |
| 12 | K-3638 | I-BRAKE CONNECTOR KIT | 691499 | 1 | | |


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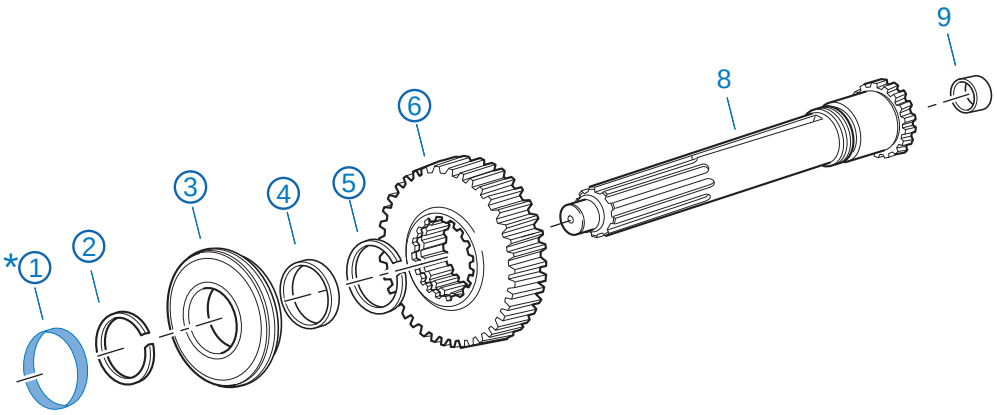
Group: INPUT SHAFT & DRIVE GEAR




* For Shipping Only -- Do Not Replace

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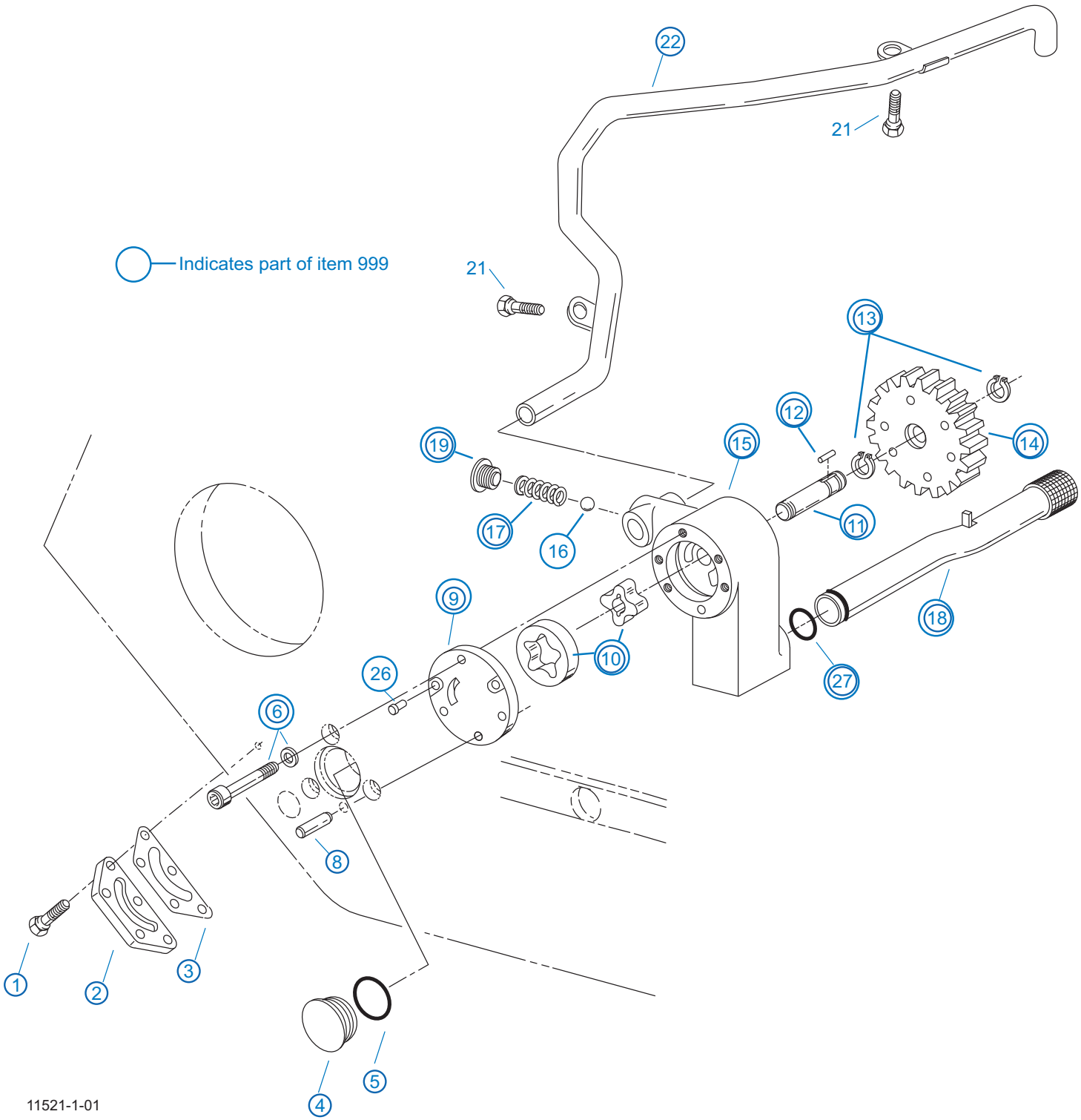
10370-1/92 IS

## INPUT SHAFT & DRIVE GEAR

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 1 ▶ | 23559 | SEAL | | 1 | NOT SOLD FOR SERVICE | |
| 2 ▶ | 16980 | SNAP RING | | 1 | | K-3519 |
| 3 ▶ | 81504 | BEARING | | 1 | | K-3519,K-3522 |
| 4 ▶ | 16463 | SPACER | | 1 | | |
| 5 ▶ | 14750 | SNAP RING | | 1 | | K-3519,K-3522 |
| 6 ▶ | 4306078 | MAIN DRIVE GEAR | | 1 | | |
| 8 | S-1659 | INPUT SHAFT | 20535 23566 ,4302661 | 1 | USE W/FBC 20550 | K-3519 |
| 9 ▶ | 16566 | BUSHING | | 1 | | K-3522,S-1659 |

Circled callout numbers jump to that part in the parts list.

Group: INTEGRAL OIL PUMP




## INTEGRAL OIL PUMP

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 1 | X-8C-409 | CAPSCREW | | 5 | 1/4"-20X5/8" | |
| 2 | K-2402 | COVER & SCREW KIT | 20513 ,4300751 | 1 | | |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Blue part numbers link to our listing. ▶ = add that part to your cart.

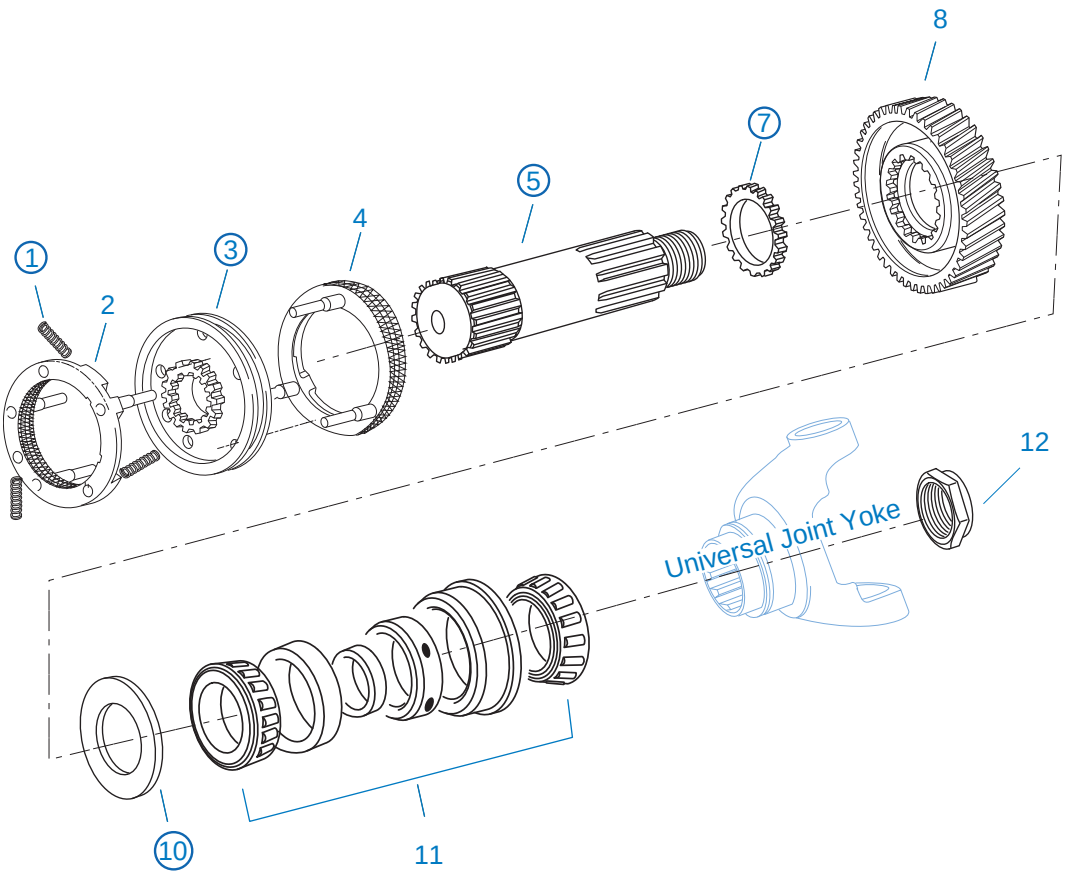
| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 3 ▶ | 20514 | GASKET | | 1 | | K-2402 |
| 4 ▶ | 20823 | PLUG | | 1 | | |
| 5 ▶ | 14765 | -O- RING | | 1 | | K-3484 |
| 6 | K-4126 | FASTENER KIT | 20824, X-8-448 | 1 | KIT CONTAINS 3 FASTENERS AND 3 WASHERS | K-3367 |
| 8 ▶ | 20825 | DOWEL PIN | | 1 | | |
| 9 ▶ | 4303773 | RETAINER | | 1 | | |
| 10 | K-3367 | OIL PUMP KIT | 4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173 | 1 | | |
| 11 | K-3367 | OIL PUMP KIT | 4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173 | 1 | | |
| 12 ▶ | 20509 | KEY | | 1 | | |
| 13 ▶ | 14853 | SNAP RING | | 2 | | |
| 14 ▶ | 4303774 | PUMP DRIVE GEAR | 4304880 | 1 | | |
| 15 | K-3367 | OIL PUMP KIT | 4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173 | 1 | | |
| 16 | X-14-700 | STEEL BALL | | 1 | 7/16" | |
| 17 ▶ | 4303775 | SPRING | | 1 | | |
| 18 ▶ | 4305713 | SUCTION TUBE | 4304628 | 1 | O-RING INCLUDED ON SUCTION TUBE | K-3367 |
| 19 ▶ | 4304629 | PLUG | | 1 | | |
| 21 | X-8-686 | CAPSCREW | | 2 | 3/8"-16X3/4" | |
| 22 ▶ | 4305715 | SPLITTER LUBE TUBE | A - 7197 | 1 | | |
| 26 | X-8-447 | SCREW | | 2 | | |
| 27 ▶ | 20225 | -O- RING | | 1 | | |
| 999 | K-3367 | OIL PUMP KIT | 4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173 | 1 | | |

## KITS & ASSEMBLIES

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| | K-1698 | -O- RING/ELEMENT KIT | | 1 | FOR FILTER REGULATOR | |
| | K-1956 | COOLER INSTLN KIT | | 1 | | |
| | K-2170 | FILTER REG KIT | A - 5454 | 1 | | |
| | K-2402 | COVER & SCREW KIT | 20513 ,4300751 | 1 | | |
| | K-2805 | SHIM KIT | 21452 K - 2106 | 1 | | K-3519,K-3522,S-2956 |
| | K-2908 | -O- RING KIT | | 1 | FOR SOLENOID VALVE | |
| | K-2918 | OIL SEAL KIT | 4302322 4302323 | 1 | "FOR MAGNETIC COVER" | K-3519,K-3522 |
| | K-3231 | SPEED SENSOR KIT | A - 6398 ,A - 6724 | 1 | SINGLE PICK-UP (2 PIN) | |
| | K-3365 | RANGE CYL COVER KIT | 691442 | 1 | | |
| | K-3367 | OIL PUMP KIT | 4301829 ,4301948 ,4303776 ,4304529 ,4304572 A - 6963 ,A - 7173 | 1 | | |
| | K-3438 | POSITION SENSOR KIT | 691551 ,691926 | 1 | | |
| | K-3484 | O-RING KIT - RANGE | | 1 | | K-3519,K-3522 |
| | K-3492 | SYNCHRONIZER KIT | K - 2446 | 1 | | |
| | K-3494 | SYNCHRONIZER REPLACEMENT KIT | K - 2448 | 1 | SLIDING CLUTCH INCLUDED IN KIT | |
| | K-3518 | GASKET KIT | | 1 | | K-3519,K-3522 |
| | K-3519 | BASIC OVERHAUL KIT | | 1 | | |
| | K-3522 | BASIC REBUILD KIT | | 1 | | |
| | K-3523 | SPEEDO PLUG KIT | 4302707 | 1 | | |
| | K-3637 | INERTIA BRAKE KIT | A - 7452 | 1 | | |
| | K-3638 | I-BRAKE CONNECTOR KIT | 691499 | 1 | | |
| | K-3643 | CLUTCH HOUSING COVER KIT | 691954 | 1 | | |
| | K-3644 | INERTIA BRK ADPT PLT KIT | 4305450 ,4305732 | 1 | | |
| | K-3681 | TRANS HARNESS KIT | 4305915 | 1 | | |
| | K-3682 | RANGE/SPLITTER VALVE KIT | 5561801 ,5561804 ,K - 2907 | 1 | | |
| | K-3734 | TRANS CONTROLLER MOUNTING KIT | | 1 | | |

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| | K-3739 | INERTIA BRAKE RELOCATION KIT | | 1 | | |
| | K-3760 | FORCED LUBE CL HSG KIT | 4304328, 4305819, 4305751 | 1 | #1 PULL ALUMINUM | |
| | K-3766RX | REMAN EXCH TRANS CONTROLLER KIT | K-3766 | 1 | | |
| | K-3784RX | REMAN EXCH GEN 3 X-Y SHIFTER KIT | A - 7670,K-3665,K-3784 | 1 | | |
| | K-3979 | SPACER KIT | | 1 | INCLUDES (4) SPACER MOUNTING SCREWS | |
| | K-3980 | COBRA SHIFT LEVER KIT (RHO) | K-3680 | 1 | (LEFT HAND DRIVE), ALSO KNOWN AS (RHO) RIGHT HAND OPERATION | |
| | K-3997 | COBRA SHIFT LEVER KIT (RHO) W/MACK SWING ARM | A - 7181,K-3680 | 1 | (LEFT HAND DRIVE), ALSO KNOWN AS (RHO) RIGHT HAND OPERATION - FOR UNITS USING THE MACK 10MY559M SWING ARM BRACKET | |
| | K-4051 | RT CLUTCH HOUSING SERVICE KIT | | 1 | | |
| | S-1404 | OIL FILTER | 17238 | 1 | | |
| | S-1659 | INPUT SHAFT | 20535 23566 ,4302661 | 1 | 2" PULL - USE W/FBC 20550 | K-3519 |
| | S-2501 | SPEEDO ROTOR ASSY | 4302242 | 1 | MAGNETIC | |
| | S-2688 | MAINSHAFT ASSY | 4303404 ,4303913 | 1 | | |
| | S-2913 | REAR BEARING COVER ASSY | 691637 ,4304651 ,4305833 | 1 | | |
| | S-2956 | RANGE SECTION ASSY | | 1 | "B" RATIO | |
| | S-3017 | CASE ASSEMBLY | 4305693 | 1 | | |
| | S-3021 | SHIFT BAR HOUSING ASSY | 4305895 | 1 | COMPLETE | |
| | S-3022 | SHIFT BAR HOUSING ASSY | 4305895 | 1 | HOUSING ONLY | |

Group: MAINSHAFT & SYNCHRO(AUX)




10421A-10-01

## MAINSHAFT & SYNCHRO(AUX)

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 1 ▶ | 14897 | SPRING | | 3 | | K-3492,K-3494,K-3519,K-3522 |
| 2 | A-7331 | SYNCHRONIZER ASSY | 4304396 4304397 A - 5917 | 1 | HI RANGE | K-3492,K-3494 |
| 3 ▶ | 20323 | SLIDING CLUTCH | | 1 | | K-3494 |
| 4 | A-7254 | SYNCHRONIZER ASSEMBLY | A - 4937 A - 5876 | 1 | LO RANGE | K-3492,K-3494 |
| 5 ▶ | 4302276 | AUXILIARY MAINSHAFT | | 1 | | |
| 7 ▶ | 22899 | WASHER | | 1 | | |
| 8 ▶ | 4302092 | REDUCTION GEAR | 23661 | 1 | | |
| 10 ▶ | 22898 | SPACER | | 1 | | |
| 11 | 5556503-BOX | BEARING | 5556503 | 1 | | K-3519,K-3522 |
| 12 | K-4122 | HEX FLANGE CRIMPED | 4302321,4306520 | (1) | | |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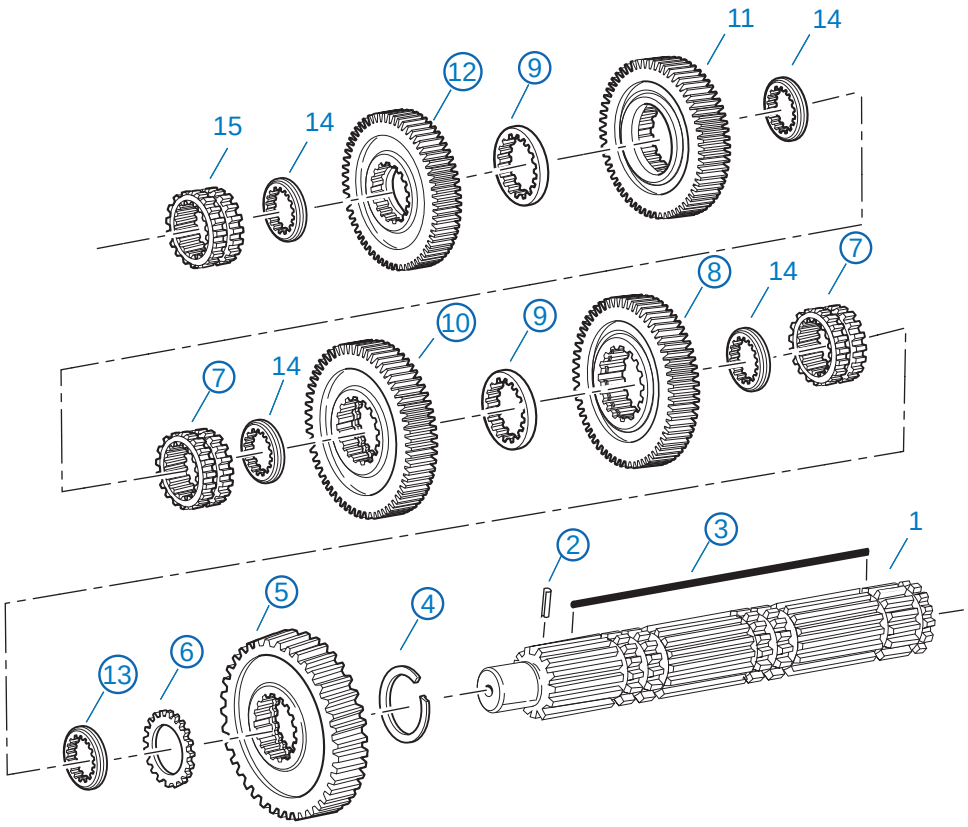
| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| | | NUT KIT | | | | |

Group: MAINSHAFT ASSY




10337B-10-96

## MAINSHAFT ASSY

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 1 | S-2688 | MAINSHAFT ASSY | 4303404 ,4303913 | 1 | | |
| 2 ▶ | 62504 | ROLL PIN | | 1 | | S-2688 |
| 3 ▶ | 4304614 | 3-SIDED KEY | 4300890 | 1 | | |
| 4 ▶ | 14750 | SNAP RING | | 1 | | K-3519,K-3522 |
| 5 ▶ | 23653 | REVERSE GEAR-MAINSHAFT | | 1 | | |
| 6 ▶ | 14749 | SPACER | | 1 | | |
| 7 ▶ | 4305997 | SLIDING CLUTCH | | 2 | | |
| 8 ▶ | 4303620 | 1ST GEAR-MAINSHAFT | 4303618 | 1 | | |
| 9 ▶ | 4303603 | WASHER | 4302397 | 2 | | |
| 10 ▶ | 4306074 | 2ND GEAR-MAINSHAFT | | 1 | | |
| 11 ▶ | 4306070 | 3RD GEAR-MAINSHAFT | | 1 | | |
| 12 ▶ | 4306080 | 4TH GEAR-MAINSHAFT | | 1 | | |
| 13 ▶ | 4300830 | WASHER .244-BLUE | | 1 | | |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| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 14 ▶ | 4302398 | WASHER | | 4 | | |
| 15 ▶ | 4305997 | SLIDING CLUTCH | | 1 | | |

## MISCELLANEOUS

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| ▶ | 5586272 | SHIFT DIAGRAM LABEL | 5586268 | 1 | | |
| ▶ | 71203 | SILICONE LUBE | | 1 | 8 OZ (236.59 CC)-FLEET SIZE | |
| ▶ | 71204 | ADHESIVE SEALANT | | 1 | 0.5 CC (SINGLE APPLICATION SIZE) | |
| ▶ | 71205 | SEALANT | | 1 | 2 CC (SINGLE APPLICATION SIZE) | K-3519 |
| ▶ | 71206 | SILICONE LUBE | | 1 | 4 CC (SINGLE APPLICATION SIZE) | K-3484 |


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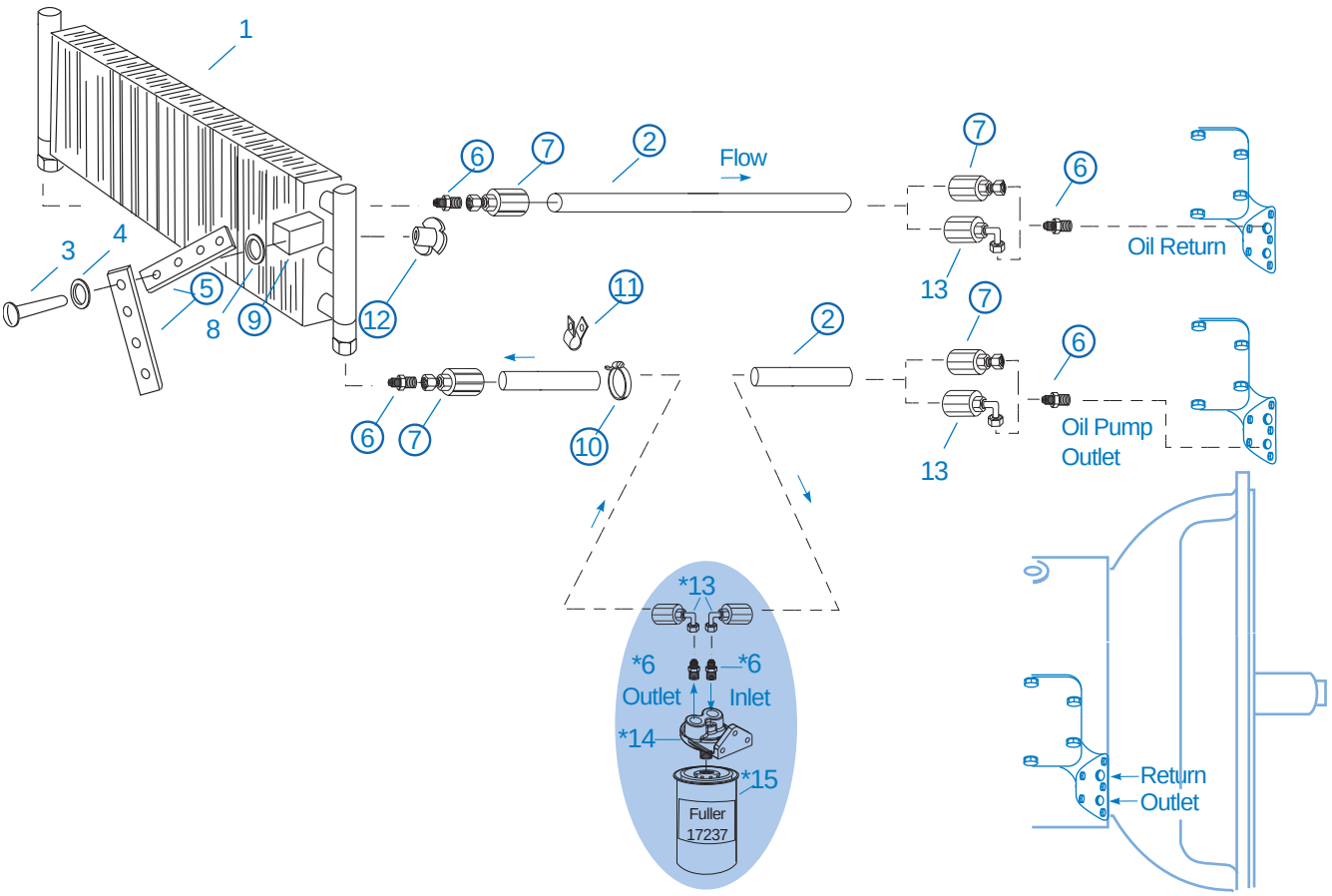
Group: OIL COOLER




10525-4/92 Cooler

*Adding Oil Filter and parts as shown is optional.

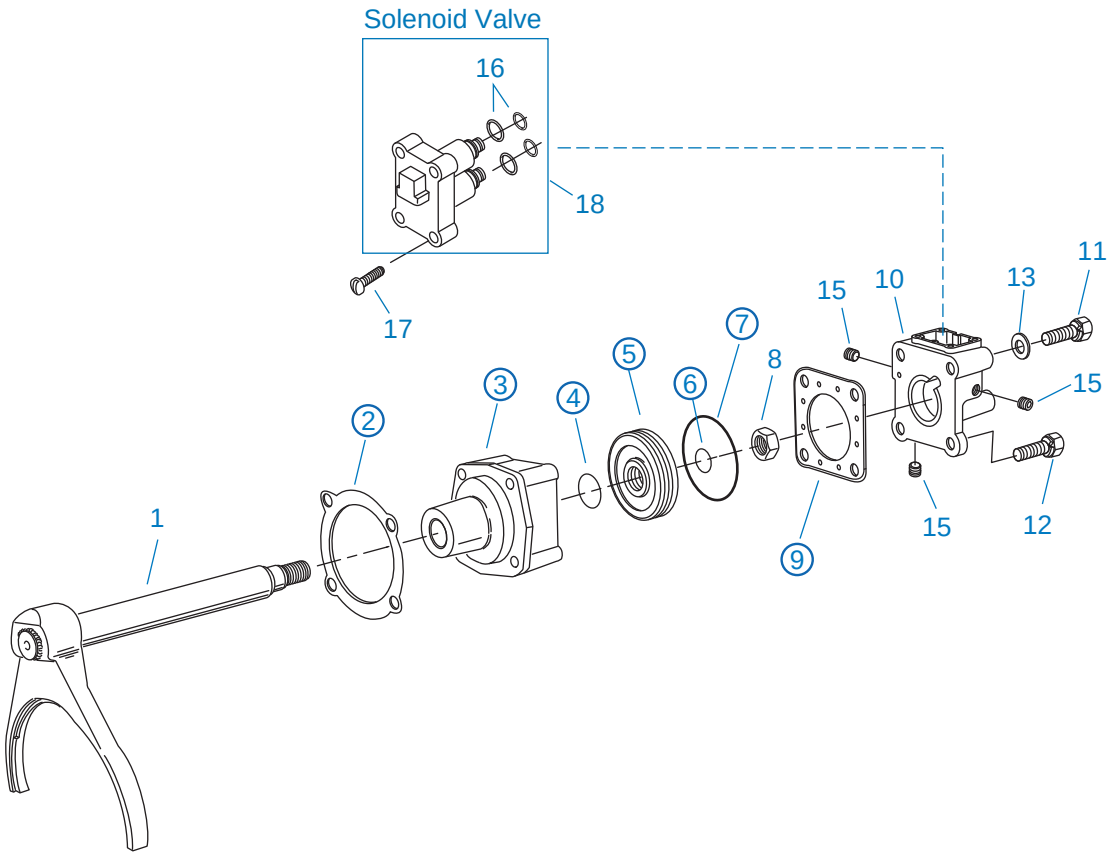
Return / Outlet Location

## OIL COOLER

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 1 ▶ | 18025 | OIL COOLER | | 1 | | K-1956 |
| 2 ▶ | 19424 | HOSE | | 1 | 25 FEET | K-1956 |
| 3 | X-8-535 | CAPSCREW | | 2 | 5/16"-16X2-1/2" | |
| 4 | X-3-506 | LOCKWASHER | | 2 | 5/16" | |
| 5 ▶ | 18211 | BRACKET | | 4 | | K-1956 |
| 6 ▶ | 19419 | CONNECTOR | | 6 | | K-1956,S-1404 |
| 7 ▶ | 19415 | SWIVEL | | 4 | | K-1956 |
| 8 | X-10-501 | WASHER | | 2 | 5/16" | |
| 9 ▶ | 18209 | PLUG-RUBBER MOUNT | | 2 | | K-1956 |
| 10 ▶ | 17190 | STRAP | | 8 | | K-1956 |
| 11 ▶ | 19423 | CLAMP | | 5 | | K-1956 |
| 12 ▶ | 18210 | NUT | | 2 | | K-1956 |

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 13 ▶ | 19422 | ELBOW | | 4 | | K-1956 |
| 14 | S-1404 | OIL FILTER | 17238 | 1 | | |
| 15 ▶ | 17237 | FILTER ELEMENT | | 1 | | S-1404 |

Group: RANGE CYLINDER



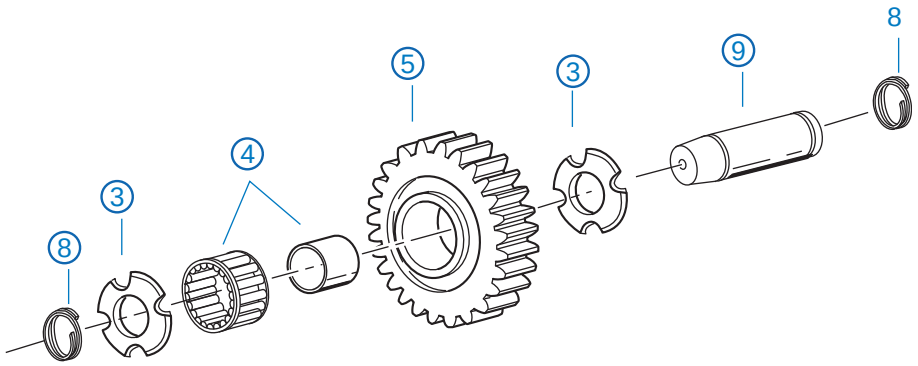

20539-03-01

## RANGE CYLINDER

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 1 | A-5474 | SHIFT YOKE ASSY | | 1 | | |
| 2 ▶ | 14347 | GASKET | | 1 | | K-3484,K-3518 |
| 3 ▶ | 691348 | RANGE CYLINDER | | 1 | | |
| 4 ▶ | 14765 | -O- RING | | 1 | | K-3484 |
| 5 ▶ | 14341 | PISTON | 23353 | 1 | | |
| 6 ▶ | 14345 | -O- RING | | 1 | | K-3484 |
| 7 ▶ | 14344 | -O- RING | | 1 | | K-3484 |
| 8 | X-1-1010 | NUT | | 1 | 5/8"-18 | |
| 9 ▶ | 691955 | GASKET | 691440 | 1 | | K-3365,K-3484,K-3518 |
| 10 | K-3365 | RANGE CYL COVER KIT | 691442 | 1 | | |
| 11 | X-8-647 | CAPSCREW | | (2) | 3/8"-16X4-3/4" | |
| 12 | X-8L-605 | CAPSCREW | | (2) | 3/8"-16X3" | |
| 13 | X-3-600 | LOCKWASHER | | (2) | 3/8" | |

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 15 | X-12-208 | PIPE PLUG | | 3 | 1/8" NPT | |
| 16 | K-2908 | -O- RING KIT | | 1 | FOR SOLENOID VALVE | |
| 17 | X-8-264 | HEX FLANGE HEAD SCREW | X 8 259 | 4 | #10-24 X 1 1/4 | |
| 18 | K-3682 | RANGE/SPLITTER VALVE KIT | 5561801 ,5561804 ,K - 2907 | 1 | | |

Group: REVERSE IDLER



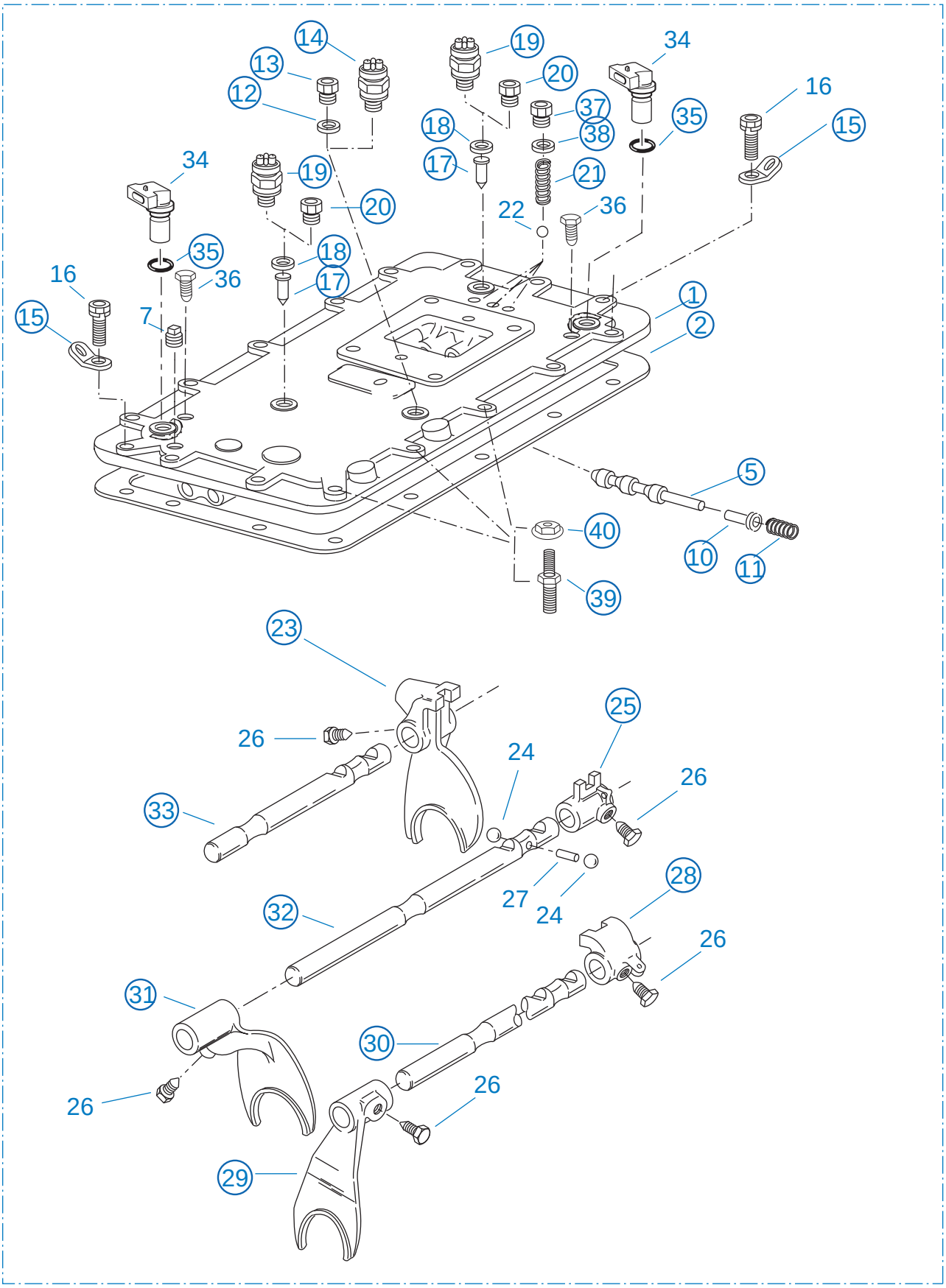

11382A-10-04

## REVERSE IDLER

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 3 ▶ | 4302982 | WASHER | 14282 | 4 | | |
| 4 ▶ | 14287 | BEARING | 4305020 | 2 | | K-3519,K-3522 |
| 5 ▶ | 16757 | REVERSE IDLER GEAR | 22409 | 2 | | |
| 8 ▶ | 4303336 | RETAINING RING | | 4 | | |
| 9 ▶ | 4305513 | IDLER SHAFT | | 2 | | |

**Circled callout numbers jump to that part in the parts list.**

Group: SHIFT BAR HOUSING




20237-10-05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## SHIFT BAR HOUSING

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 1 | S-3022 | SHIFT BAR HOUSING ASSY | 4305895 | 1 | HOUSING ONLY | |
| 2 ▶ | 4302676 | GASKET | 14918 | 1 | | K-3518,S-3021,S-3022 |
| 5 ▶ | 20332 | AIR VALVE SHAFT | 17177 | 1 | | S-3021 |
| 7 | X-12-603 | PIPE PLUG | X12 602 | 1 | 3/8" NPT | |
| 10 ▶ | 21966 | PLUNGER | | 1 | | |
| 11 ▶ | 4301372 | SPRING | | 1 | | |
| 12 ▶ | 17179 | GASKET | | 1 | | S-3021,S-3022 |
| 13 ▶ | 4303655 | PLUG | 17178 | 1 | | S-3021,S-3022 |
| 14 ▶ | 22941 | NEUTRAL LIGHT SWITCH | 12639 | 1 | SWITCH NORMALLY CLOSED | |
| 15 ▶ | 20815 | LIFTING EYE | 17105 | 2 | | S-2956 |
| 16 | X-8L-602 | CAPSCREW | | 5 | 3/8"-16X1-1/2"- TWO FOR LIFTING EYES, 2 FOR HARNESS BRACKET AND 1 FOR STRAIN RELIEF VALVE | |
| 16 | X-8L-604 | CAPSCREW | | 8 | 3/8"-16X1-1/4" | |
| 17 ▶ | 15899 | PIN | | 2 | | |
| 18 ▶ | 15900 | GASKET | | 2 | | S-3021,S-3022 |
| 19 ▶ | 22940 | REVERSE LIGHT SWITCH | 16830 | 1 | SWITCH NORMALLY OPEN | |
| 20 ▶ | 4303656 | PLUG | 15917 | 1 | | S-3021,S-3022 |
| 21 ▶ | 691661 | COMPRESSION SPRING | | 3 | | S-3021 |
| 22 | X-14-800 | STEEL BALL | | 3 | 1/2" | |
| 23 ▶ | 691712 | SHIFT YOKE | 4301376 | 1 | REVERSE/1ST | S-3021 |
| 24 | X-14-1200 | STEEL BALL | | 2 | 3/4" | |
| 25 ▶ | 14658 | SHIFT BLOCK | | 1 | 2ND/3RD | S-3021 |
| 26 | 3220 | LOCKSCREW | | 5 | | S-3021 |
| 27 | 1634 | INTERLOCK PIN | | 1 | | S-3021 |
| 28 ▶ | 14659 | SHIFT BLOCK | | 1 | 4TH/5TH | S-3021 |
| 29 ▶ | 691601 | SHIFT YOKE | 4302212 | 1 | 4TH/5TH | S-3021 |
| 30 ▶ | 4301366 | YOKE BAR | | 1 | 4TH/5TH | S-3021 |
| 31 ▶ | 691600 | SHIFT YOKE | 4302994 | 1 | 2ND/3RD | S-3021 |
| 32 ▶ | 4301365 | YOKE BAR | | 1 | 2ND/3RD | S-3021 |
| 33 ▶ | 4301364 | YOKE BAR | | 1 | REVERSE/1ST | S-3021 |

Blue part numbers link to our listing. ▶ = add that part to your cart.

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 34 | K-3231 | SPEED SENSOR KIT | A - 6398 ,A - 6724 | 2 | SINGLE PICK-UP (2 PIN) | |
| 35 ▶ | 14142 | -O- RING | | 2 | | K-3638,S-3021 |
| 36 | X-8C-409 | CAPSCREW | | 2 | 1/4"-20X5/8" | |
| 37 ▶ | 4303656 | PLUG | 15917 | 3 | | S-3021,S-3022 |
| 38 ▶ | 15900 | GASKET | | 3 | | S-3021,S-3022 |
| 39 ▶ | 4305869 | SCREW 3/8 & 5/16 | | 3 | USED FOR MOUNTING ECU | |
| 40 ▶ | 4305870 | NUT ASSEMBLY | | 3 | 5/16-18, USED FOR MOUNTING ECU | K-3734 |
| 999 | S-3021 | SHIFT BAR HOUSING ASSY | 4305895 | 1 | COMPLETE | |


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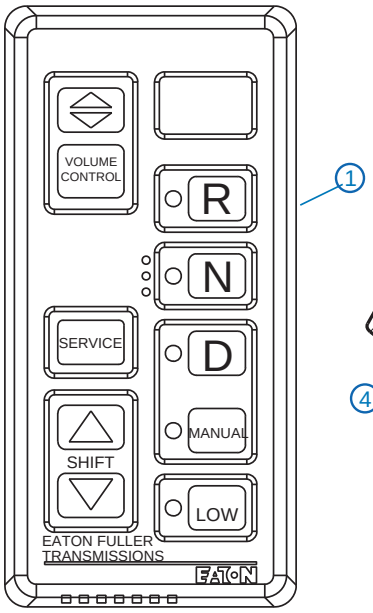
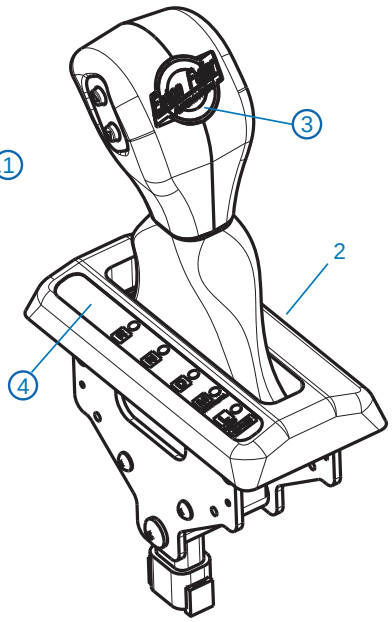
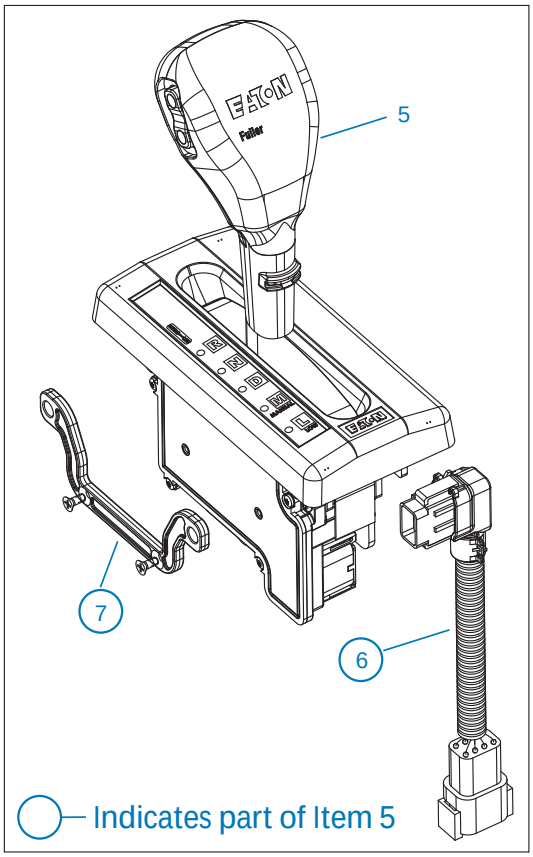
Group: SHIFT CONTROLS




PUSHBUTTON ASSEMBLY




COBRA LEVER - only for use with 10MY559M Mack Swing Arm Bracket




COBRA LEVER - Latest Design - for all applications with the exception of units using the 10MY559M Mack Swing Arm Bracket (see illustration to the left)

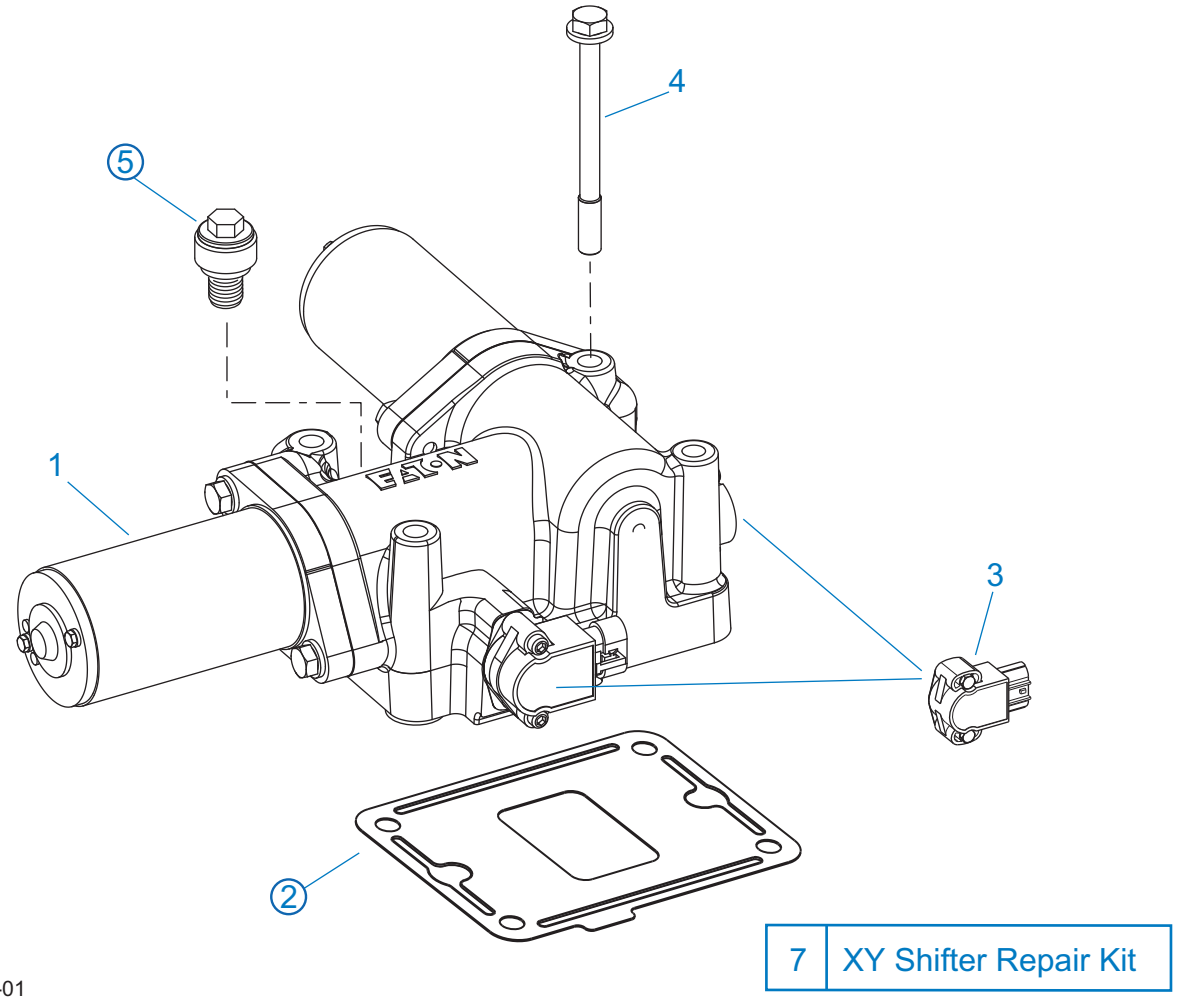
10209-06-09

## SHIFT CONTROLS

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 1 ▶ | 4306043 | PUSHBUTTON ASSY | A - 7466,S-3007 | 1 | | |
| 2 | K-3997 | COBRA SHIFT LEVER KIT (RHO) W/MACK SWING ARM | 4305447,K-3680 | 1 | (LEFT HAND DRIVE), ALSO KNOWN AS (RHO) RIGHT HAND OPERATION - FOR UNITS USING THE MACK 10MY559M SWING ARM BRACKET | |
| 3 | 5505111 | SHIFT LEVER KNOB DECAL | | 1 | | |
| 4 ▶ | 5505110 | SHIFT LEVER POSITION STRIP | | 1 | | |
| 5 | K-3980 | COBRA SHIFT LEVER KIT (RHO) | K-3680 | (1) | (LEFT HAND DRIVE), ALSO KNOWN AS (RHO) RIGHT HAND OPERATION | |
| 6 | A-7982 | JUMPER HARNESS ASSY | | (1) | | |

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 7 | K-3979 | SPACER KIT | | 1 | INCLUDES (4) SPACER MOUNTING SCREWS | |

Group: X-Y SHIFTER MODULE

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## X-Y SHIFTER MODULE

| Item | Current Part | Description | Replaced Part | Qty. | Notes | Kits/Assys Where Needed |
|---|---|---|---|---|---|---|
| 1 | K-3784RX | REMAN EXCH GEN 3 X-Y SHIFTER KIT | A - 7670,K-3665,K-3784 | 1 | | |
| 2 ▶ | 4305452 | GASKET | 4301958 | 1 | | K-4009 |
| 3 | K-3438 | POSITION SENSOR KIT | 691551 ,691926 | 2 | | |
| 4 | X-8C-615 | CAPSCREW | | 4 | | |
| 5 ▶ | 4304602 | BREATHER | 23605 | 1 | 1/4" NPT | |
| 7 | K-4009 | XY SHIFTER REPAIR KIT | | 1 | | |