



## Meritor MTC4210XLEV Transfer Case Parts Manual

Pro Gear Meritor MTC4210XLEV Transfer Case Parts Manual to assist in identifying your Meritor / Fabco unit.

If you need any assistance identifying the correct transfer case unit for your truck and equipment, contact your Meritor / Fabco replacement part specialists at Pro Gear and Transmission.

Pro Gear Transmission has same day shipping and 1000's of products in stock and ready to ship internationally for your next project.

For parts or service contact the Meritor / Fabco specialists at Pro Gear & Transmission, Inc.

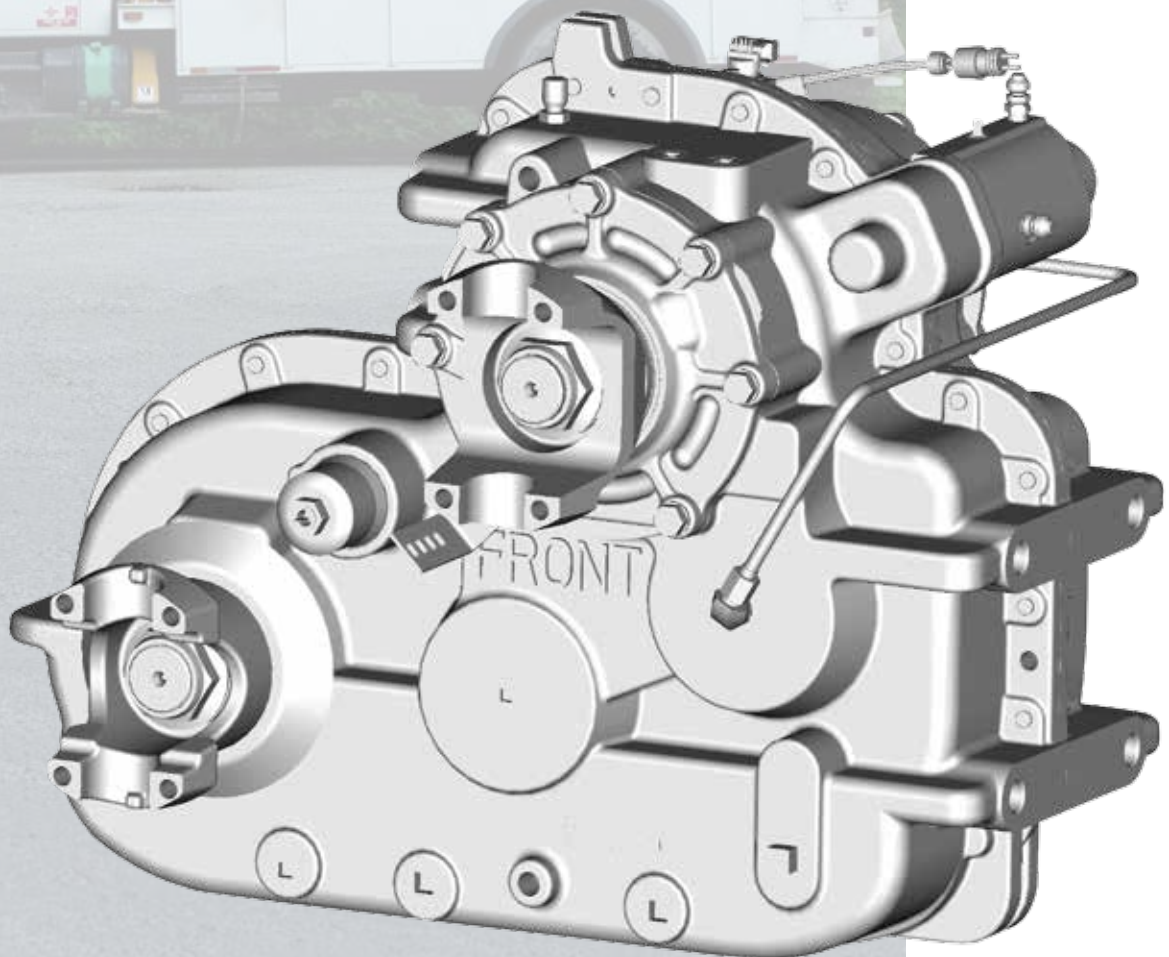
1 (877) 776-4600  
(407) 872-1901  
[parts@eprogear.com](mailto:parts@eprogear.com)

# MERITOR® TRANSFER CASE

## MTC4210XLEV



**MERITOR**



## MTC4210XLEV YOKES

| TRANSFER CASE MODEL NUMBERS | PART NUMBERS  |             |              |
|-----------------------------|---------------|-------------|--------------|
|                             | FRONT OUTPUT  | FRONT INPUT | REAR OUTPUT  |
| MTC4210XLEV 100 100 205     | 140TYS38A     | 17TYS38-76  | 140TYS38A    |
| MTC4210XLEV 101 100 205     | 140TYS38A     | 17TYS38-76  | 170TYS38A-4A |
| MTC4210XLEV 102 100 205     | 16N-4-7341-1X | 17TYS38-76  | 17TYS38A-76A |
| MTC4210XLEV 103 100 205     | 16NYS38-8A    | 17NYS38-61  | 17NYS38-61A  |
| MTC4210XLEV 104 100 205     | 16N-4-7341-1X | 176TYS38-27 | 176TYS38-27A |
| MTC4210XLEV 105 100 205     | 16NYS38-8A    | 176NYS38-14 | 176NYS38-14A |
| MTC4210XLEV 106 100 205     | 140TYS38A     | 140TYS38    | 140TYS38A    |
| MTC4210XLEV 107 100 205     | 140TYS38A     | 140TYS38    | 140TYS38A    |
| MTC4210XLEV 108 100 205     | 17TYS38-76A   | 17TYS38-76  | 17TYS38-76A  |

**NOTE:** Other yokes under RAP and RCE spline code (2-3/8"-46T) will fit. However, all yokes must be compatible with unitized seals. For more information about yoke type or compatibility, see [xpresswayplus.meritor.com](http://xpresswayplus.meritor.com), [meritorhvs.com/LODSearch.aspx](http://meritorhvs.com/LODSearch.aspx) or call 1-866-ONTRAC1.

## SEAL REPLACEMENT

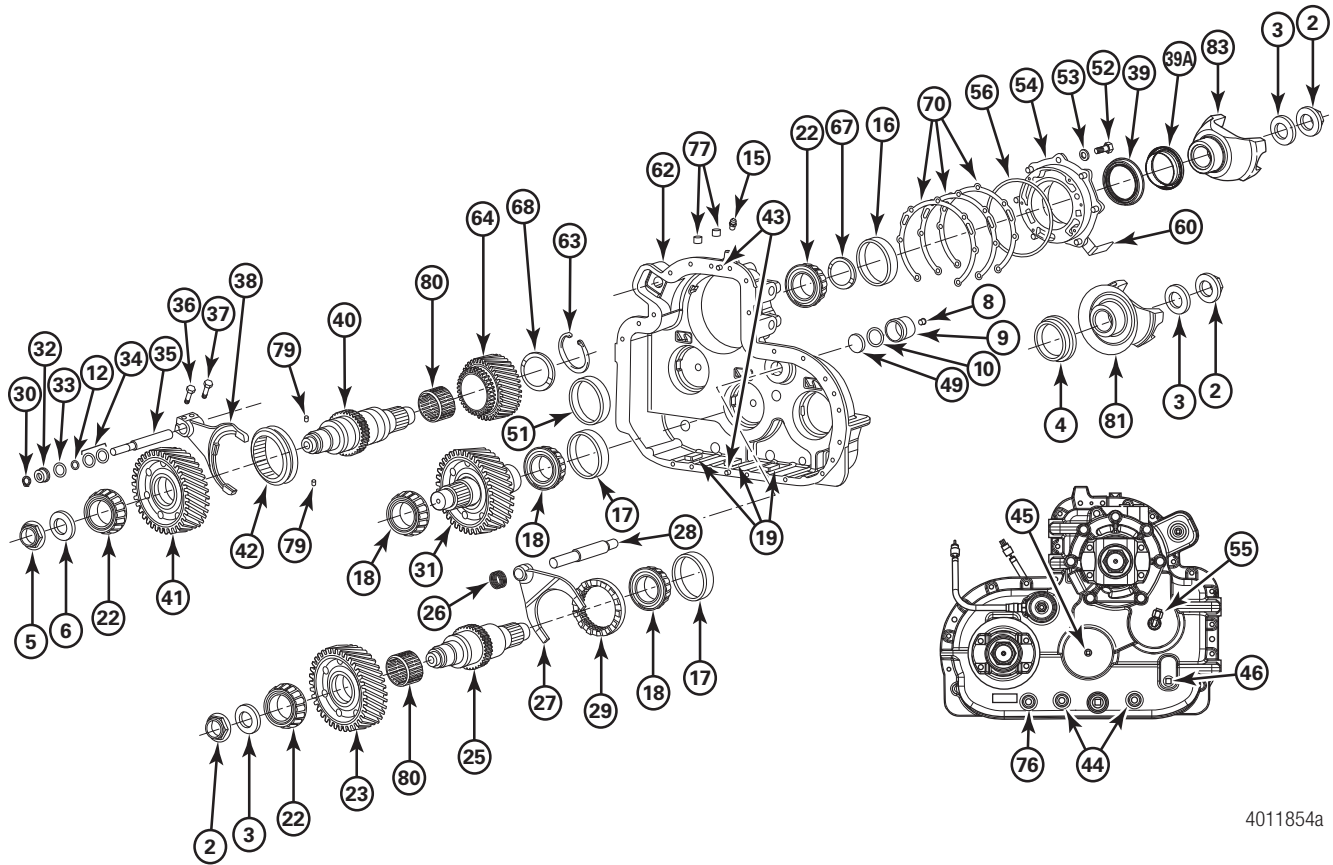
Meritor has released the Multiple-Lip Seal (MLS) for use in the INPUT POSITION ONLY on the MTC-4208, -4210 and -4213 transfer cases. The multiple-lip seal is compatible with current input shaft seal and can be used in service.

| TRANSFER CASE MODEL       | SEAL POSITION           | SEAL SERVICE PART NUMBER | PREVIOUS SEAL PART NUMBER | SEAL DRIVER | SLEEVE DRIVER |
|---------------------------|-------------------------|--------------------------|---------------------------|-------------|---------------|
| MTC-4208, -4210 and -4213 | Input Shaft             | A1-1205X2728             | A-1205R2592               | 2728T1      | 2728T2        |
| MTC-4208 and -4210        | Forward and Rear Output | R945007                  | A-1205R2592               | KIT 4454    | NA            |
| MTC-4213                  | Forward Output          | R945007                  | A-1205R2592               | KIT 4454    | NA            |
| MTC-4213                  | Rear Output             | R945007                  | A-1205Q2591               | KIT 4454    | NA            |

**NOTE:** The MTC4208XLEV/MTC4210XLEV transfer case models are NOT directly interchangeable with MTC-4208/MTC-4210 transfer case specifications. Interface points for the oil cooler lines (if equipped) on the XL models are different, which affect the lengths of the oil cooler lines. The exterior geometry of the housing and location of lubrication lines has also changed, which potentially impacts clearances to surrounding components. In addition, current models cannot be used in place of the new models in applications with "engage-on-the-fly" systems or mid-ship pumps.

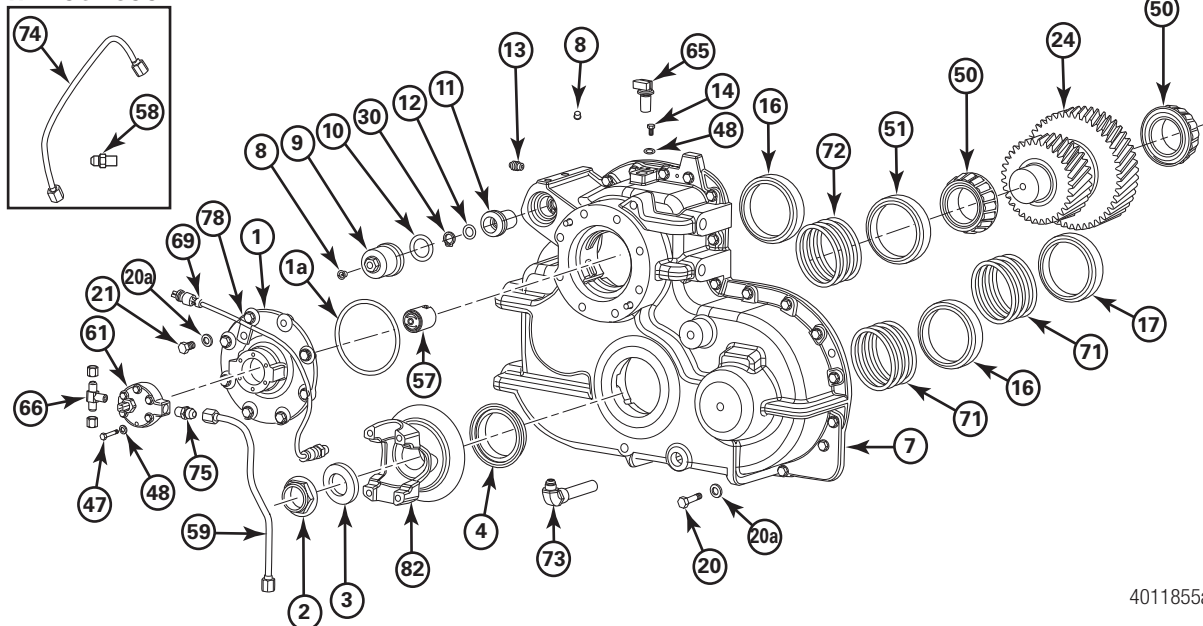


## MTC4210XLEV – FRONT



## MTC4210XLEV – REAR

WITHOUT COOLER



## MTC4210XLEV

| ITEM | PART NUMBER    | DESCRIPTION                           | QUANTITY | REMARKS                          |
|------|----------------|---------------------------------------|----------|----------------------------------|
| 1    | 3266-Z-1534    | Pump Cover                            | 1        |                                  |
| 1a   | 5X-1348        | O-Ring (Pump Cover)                   | 1        |                                  |
| 2    | 40X-1233       | Lock Nut, FIN.                        | 4        | M45 x 1.5 thd.                   |
| 3    | 1229-N-1730    | Flat Washer                           | 4        | 1.79" ID x 3.00" OD x 0.19" wide |
| 4    | A1-1205-R-2592 | Seal Assembly (Front and Rear Output) | 2        | 3.25" ID x 4.25" OD x 0.86" long |
| 5    | 40X-1341       | Lock Nut, FIN.                        | 1        | 2.25"-12 thd.                    |
| 6    | 1229-E-4113    | Washer                                | 1        | 2.28" ID x 3.25" OD x 0.32" wide |
| 7    | 3289-L-1182    | Rear Transfer Case Cover              | 1        |                                  |
| 8    | 1779-F-344     | Shipping Plug                         | 3        |                                  |
| 9    | 3261-A-1067    | Shift Cylinder                        | 2        |                                  |
| 10   | 5X-1326        | O-Ring                                | 2        | 1.459" ID x 0.208" thick         |
| 11   | 2230-Q-1369    | Piston (Outer)                        | 1        |                                  |
| 12   | 5X-1290        | O-Ring (Inner)                        | 2        | 0.734" ID x 0.139" thick         |
| 13   | A-1199-C-1043  | Breather Assembly                     | 1        |                                  |
| 14   | S244-2         | Capscrew (Speed Sensor Retainer)      | 1        |                                  |
| 15   | A-1199-R-4048  | Breather Assembly                     | 1        |                                  |
| 16   | HM813810       | Bearing Cup                           | 3        | 5.00" OD cup                     |
| 17   | HM212011       | Bearing Cup                           | 3        | 4.8125" OD cup                   |
| 18   | HM212049       | Bearing Cone                          | 3        | 2.625" ID cone                   |
| 19   | 2297-K-6771    | Magnet                                | 3        |                                  |
| 20   | S2714A-2       | Bolt/Capscrew                         | 29       | 7/16"-14 thd x 1.75"             |
| 20a  | 1229-E-1513    | Flat Washer                           | 37       | 0.47" ID x 0.81" OD x 0.09" wide |
| 21   | S2710A-2       | Bolt/Capscrew                         | 8        |                                  |
| 22   | HM813843       | Bearing Cone                          | 3        | 2.4375" ID cone                  |
| 23   | 3892-L-5862    | Front Output Gear                     | 1        |                                  |
| 24   | 3892-X-6316    | Idler Gear                            | 1        |                                  |
| 25   | 3297-G-1567    | Output Shaft                          | 1        |                                  |
| 26   | 2258-U-411     | Spring                                | 1        |                                  |
| 27   | 3296-T-1346    | Shift Fork                            | 1        |                                  |
| 28   | 2244-S-1189    | Push Rod (Differential Lock Out)      | 1        |                                  |
| 29   | 3107-S-1397    | Clutch Collar                         | 1        |                                  |
| 30   | 1229-U-4857    | Snap Ring                             | 2        | 0.689" ID                        |
| 31   | 3892-H-5676    | Rear Output Gear                      | 1        |                                  |
| 32   | 2230-T-1346    | Inner Piston                          | 1        |                                  |
| 33   | 5X-1292        | O-Ring                                | 1        | 1.17" ID x 0.139" thick          |



| ITEM | PART NUMBER          | DESCRIPTION           | QUANTITY | REMARKS                          |
|------|----------------------|-----------------------|----------|----------------------------------|
| 34   | <b>5X-1291</b>       | O-Ring (Housing)      | 2        | 0.984" ID x 0.139" thick         |
| 35   | <b>2244-T-1190</b>   | Shifter Shaft         | 1        |                                  |
| 36   | <b>S1712A-2</b>      | Bolt/Capscrew         | 1        | 7/16" x 1.5"                     |
| 37   | <b>S1612A-2</b>      | Bolt/Capscrew         | 1        | 3/8" x 1.5"                      |
| 38   | <b>3296-Q-1317</b>   | Shift Fork            | 1        |                                  |
| 39   | <b>A-1205-X-2728</b> | Seal Assembly (Input) | 1        | 3.25" ID x 4.25" OD x 0.58" long |
| 39A  | <b>A-1199-U-4025</b> | Yoke Sleeve           | 1        |                                  |
| 40   | <b>3297-P-1810</b>   | Input Shaft           | 1        |                                  |
| 41   | <b>3892-R-5660</b>   | Input Gear (High)     | 1        |                                  |
| 42   | <b>3107-K-1181</b>   | Clutch Collar         | 1        |                                  |
| 43   | <b>1246-T-1190</b>   | Dowel                 | 2        | 0.375" dia x 1.00" long          |
| 44   | <b>1250-E-473</b>    | Magnet Plug           | 2        | 3/4"-14 NPT square socket        |
| 45   | <b>P-26</b>          | Plug                  | 2        | 3/8"-18 NPT square socket        |
| 46   | <b>P-112</b>         | Fill Plug             | 1        |                                  |
| 47   | <b>S2414-2</b>       | Bolt/Capscrew         | 6        | 1/4"-20 thd - 1.75"              |
| 48   | <b>WA-34</b>         | Flat Washer           | 7        |                                  |
| 49   | <b>2230-T-1190</b>   | Piston                | 1        |                                  |
| 50   | <b>A-1228-M-1807</b> | Bearing Cone          | 2        |                                  |
| 51   | <b>1228-J-1804</b>   | Bearing Cup           | 2        |                                  |
| 52   | <b>S2814A-2</b>      | Bolt/Capscrew         | 7        | 1/2"-13 thd x 1.75"              |
| 53   | <b>1229-C-1511</b>   | Flat Washer           | 7        | 0.53" ID x 0.88" OD x 0.09" wide |
| 54   | <b>3226-D-1512</b>   | Bearing Cage Assembly | 1        |                                  |
| 55   | <b>A-2206-K-1545</b> | Elbow Assembly        | 1        | 3/8"-18 NPT                      |
| 56   | <b>5X-1327</b>       | O-Ring (Bearing Cage) | 1        | 7.483" x 0.139" thick            |
| 57   | <b>A-3303-X-1038</b> | Pump Assembly         | 1        |                                  |
| 58   | <b>2206-Z-1430</b>   | Connector Fitting     | 1        | Without Oil Cooler               |
| 59   | <b>A-2296-V-1166</b> | Tube Assembly         | 1        |                                  |
| 60   | <b>3155-Q-1499</b>   | Angle Bracket         | 1        |                                  |
| 61   | <b>3266-G-1567</b>   | Cover                 | 1        |                                  |
| 62   | <b>3290-B-1276</b>   | Transfer Case (Front) | 1        |                                  |
| 63   | <b>1229-R-5322</b>   | Snap Ring             | 1        |                                  |
| 64   | <b>3892-F-6194</b>   | Input Gear (Low)      | 1        |                                  |
| 65   | <b>A-3380-L-1858</b> | Speed Sensor          | 1        |                                  |
| 66   | <b>2206-G-1541</b>   | T-Fitting             | 1        | Cooler Equipped                  |
| 66A  | <b>2206-C-1433</b>   | T-Fitting Caps        | 2        | Cooler Equipped                  |

| ITEM | PART NUMBER      | DESCRIPTION               | QUANTITY | REMARKS                                       |
|------|------------------|---------------------------|----------|-----------------------------------------------|
| 67   | 1244-P-2694      | Spacer                    | 1        |                                               |
| 68   | 1229-H-5312      | Thrust Washer             | 1        |                                               |
| 69   | 3237-W-1167      | Connector Assembly        | 1        |                                               |
| 70   | 2203-K-9241      | Shim - 0.003"             | 1        | Input Bearing Cage                            |
|      | 2203-L-9242      | Shim - 0.005"             | 1        |                                               |
|      | 2203-M-9243      | Shim - 0.010"             | 1        |                                               |
|      | 2803-F-2866      | Shim - 0.197"             | 1        |                                               |
| 71   | 2803-P-3110      | Shim - 0.010"             | 2        | Output Bearing Cup                            |
|      | 2803-Q-3111      | Shim - 0.005"             | 2        |                                               |
|      | 2803-R-3112      | Shim - 0.003"             | 2        |                                               |
| 72   | 2803-N-4252      | Shim - 0.010"             | 1        | Idler Shaft Bearing Cup                       |
|      | 2803-P-4254      | Shim - 0.005"             | 1        |                                               |
|      | 2803-Q-4255      | Shim - 0.003"             | 1        |                                               |
| 73   | A-2206-S-1527    | Filter Assembly Elbow     | 1        | (Elbow - 2206-S-1527<br>Filter - 2297-S-3841) |
| 74   | A-2296-M-1183    | Pump Outlet Tube Assembly | 1        | Without Oil Cooler                            |
| 75   | 2206-D-1434      | Connector Fitting         | 1        |                                               |
| 76   | P-28             | Drain Plug                |          |                                               |
| 77   | P-18             | Plug                      | 2        |                                               |
| 78   | 2257-M-1235      | Speed Sensor Clip         | 1        |                                               |
| 79   | 1246-S-1163      | Pump Drive Pin            | 2        |                                               |
| 80   | A-1228-K-2273    | Needle Bearing            | 2        |                                               |
| 81   | See table page 2 | Front Output Yoke         | 1        |                                               |
| 82   | See table page 2 | Rear Output Yoke          | 1        |                                               |
| 83   | See table page 2 | Input Yoke                | 1        |                                               |



## SERVICE KITS

### SEAL/SNAP RING — KIT 2562

| PART NUMBER    | DESCRIPTION                              | QUANTITY | REMARKS                          |
|----------------|------------------------------------------|----------|----------------------------------|
| R945007        | Seal Assembly<br>(Front and Rear Output) | 2        | 3.25" ID x 4.25" OD x 0.86" long |
| A1-1205-X-2728 | Seal Assembly (Input)                    | 1        | 3.25" ID x 4.25" OD x 0.58" long |
| 5X-1326        | O-Ring                                   | 2        | 1.459" ID x 0.208" thick         |
| 5X-1290        | O-Ring (Innver)                          | 2        | 0.734" ID x 0.139" thick         |
| 1229-U-4857    | Snap Ring                                | 2        | 0.689" ID                        |
| 5X-1292        | O-Ring                                   | 1        | 1.17" ID x 0.139" thick          |
| 5X-1291        | O-Ring (Housing)                         | 2        | 0.984" ID x 0.139" thick         |
| 5X-1327        | O-Ring (Bearing Cage)                    | 1        | 7.483" x 0.139" thick            |
| 5X-1348        | O-Ring (Pump Cover)                      | 1        |                                  |

### SHIM — INPUT/OUTPUT BEARING — KIT 2889

| PART NUMBER | DESCRIPTION   | QUANTITY | REMARKS              |
|-------------|---------------|----------|----------------------|
| 2203-K-9241 | SHIM - 0.003" | 5        | Input bearing cage   |
| 2203-L-9242 | SHIM - 0.005" | 5        |                      |
| 2203-M-9243 | SHIM - 0.010" | 5        |                      |
| 2803-R-3112 | SHIM - 0.003" | 5        | Housing bearing cups |
| 2803-Q-3111 | SHIM - 0.005" | 5        |                      |
| 2803-P-3110 | SHIM - 0.010" | 5        |                      |
| 2803-F-2866 | SHIM - 0.197" | 5        |                      |

### SHIM — IDLER BEARING — KIT 2947

| PART NUMBER | DESCRIPTION           | QUANTITY | REMARKS              |
|-------------|-----------------------|----------|----------------------|
| 2803-Q-4255 | SHIM - 0.003" (Idler) | 5        | Housing bearing cups |
| 2803-P-4254 | SHIM - 0.005" (Idler) | 5        |                      |
| 2803-N-4252 | SHIM - 0.010" (Idler) | 5        |                      |

NEED THESE PARTS? 119 Meritor MTC-4210XLEV parts, priced online >>

Call 877-776-4600

## SEAL AND BEARING — KIT 2946

| PART NUMBER    | DESCRIPTION                         | QUANTITY | REMARKS                          |
|----------------|-------------------------------------|----------|----------------------------------|
| A-3226-D-1512  | Bearing Cage Assembly               | 1        |                                  |
| 40X-1233       | Lock Nut                            | 4        | M45 x 1.5 thd.                   |
| 1229-N-1730    | Flat Washer                         | 4        | 1.79" ID x 3.00" OD x 0.19" wide |
| R945007        | Seal Assembly (Front & Rear Output) | 2        | 3.25" ID x 4.25" OD x 0.86" long |
| A1-1205-X-2728 | Seal Assembly (Input)               | 1        | 3.25" ID x 4.25" OD x 0.58" long |
| 40X-1341       | Lock Nut                            | 1        | 2.25"-12 thd.                    |
| 1229-E-4113    | Washer                              | 1        | 2.28" ID x 3.25" OD x 0.32" wide |
| A-1228-K-2273  | Needle Bearing                      | 2        |                                  |
| HM813810       | Bearing Cup                         | 3        | 5.00" OD cup                     |
| HM212011       | Bearing Cup                         | 3        | 4.8125" OD cup                   |
| 1228-J-1804    | Bearing Cup                         | 2        | (1228-V-2362)                    |
| HM212049       | Bearing Cone                        | 3        | 2.625" ID cone                   |
| HM813843       | Bearing Cone                        | 3        | 2.4375" ID cone                  |
| A-1228-M-1807  | Bearing Cone                        | 2        |                                  |

## SHIFT CYLINDER — KIT 2598

| PART NUMBER | DESCRIPTION    | QUANTITY | REMARKS                  |
|-------------|----------------|----------|--------------------------|
| 3261-A-1067 | Shift Cylinder | 1        |                          |
| 5X-1326     | O-Ring         | 1        | 1.459" ID x 0.208" thick |
| 5X-1290     | O-Ring (Inner) | 1        | 0.734" ID x 0.139" thick |
| 2230-Q-1369 | Piston (Outer) | 1        |                          |

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## MERITOR AFTERMARKET PARTS WARRANTY

We warrant all new parts for one year from date of shipment to the buyer against defective material or workmanship (but not against damage caused by accident, abuse or improper installation, maintenance or repair) when such parts are used on vehicles the specifications of which have been approved by our Engineering Department.

As the exclusive remedy under this warranty, we will, at our option, repair or replace such parts free of charge, or take back the nonconforming parts and refund the monies paid by buyer for such parts, if found on examination by us to be nonconforming and if any necessary return charges are prepaid.

If it is necessary to return any parts under this warranty, buyer agrees not to make any deduction on account thereof from remittances on current accounts while claims are in the process of disposition. Any expense incurred without our consent for repairs or replacement will not be allowed.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS, IMPLIED OR STATUTORY, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. IN NO EVENT SHALL SELLER BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE.

Only genuine Meritor replacement parts are covered by this aftermarket parts warranty.

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Meritor Heavy Vehicle Systems, LLC  
7975 Dixie Highway  
Florence, Kentucky 41042 USA

888-725-9355 U.S.  
800-387-3889 Canada  
[meritorpartsonline.com](http://meritorpartsonline.com)  
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Pro Gear and Transmission • 906 W. Gore St. Orlando, FL 32805 • 1 (877) 776-4600 / (407) 872-1901 • [parts@eprogear.com](mailto:parts@eprogear.com)