



## Meritor MTC3124 / Fabco T-2119 Transfer Case Parts Manual

Pro Gear Meritor MTC3124 / Fabco T-2119 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.

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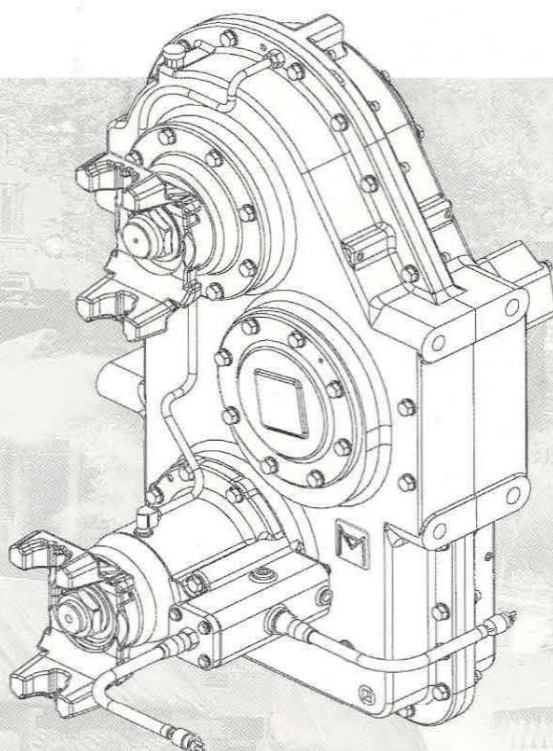
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Revised 10/2004

# T-2119 Series Transfer Case

Catalog PB-0145



**Strength • Power • Speed • Agility**

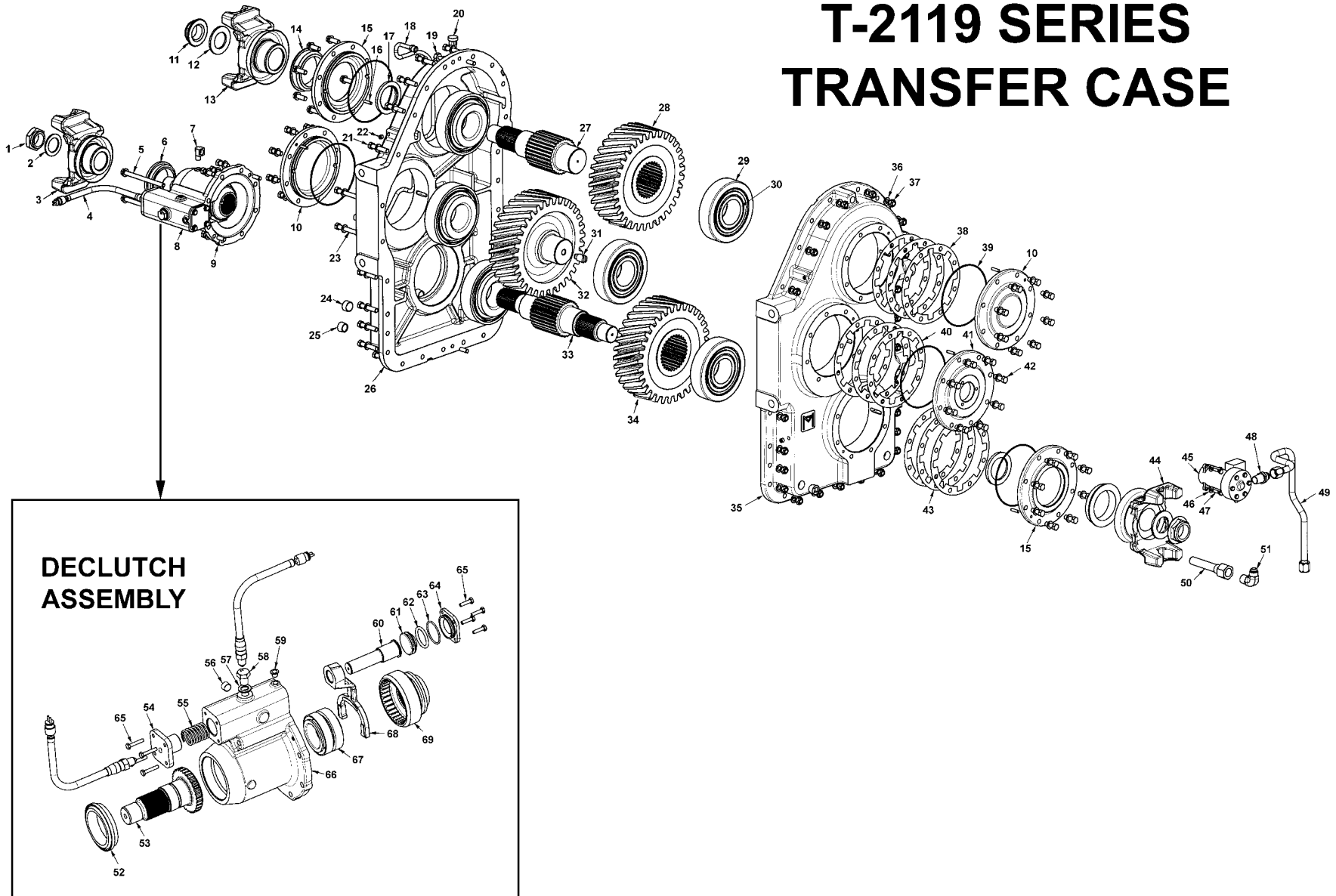
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# INTRODUCTION

- To find the part you need to order, match the item number on the exploded view (inside the front cover) with the item number in the parts list.
- All Meritor gears and shafts are marked with the check letter and final digits of the part number, for example, F-5024 or X-2442.
- When you service gears, we recommend that you replace all mating gears for the best quality repair.
- Service kits are available as well as individual parts.
- For service parts contact Meritor's Customer Service Department, 7975 Dixie Hwy., Florence, Kentucky 41042 or call (888) 725-9355.

# T-2119 SERIES TRANSFER CASE



NEED THESE PARTS? 78 Meritor MTC-3124 parts, priced online >>

Call 877-776-4600

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# T-2119 SERIES SERVICE KITS

## KIT 2527

## FASTENERS KIT

| Part Name             | Qty. | Part Number | Description                         |
|-----------------------|------|-------------|-------------------------------------|
| Locknut               | 1    | 40-X-1237   | M39 x 1.5 thd.                      |
| Washer                | 1    | 1229-T-1736 | 2.36" o.d. x 1.56" i.d. x .12" thk. |
| Capscrew              | 2    | S-2746-2    | 7/16" - 14 thd. x 5.75" long        |
| Dowel - pin           | 4    | 1246-T-1190 | 3/8" dia. x 1" long                 |
| Locknut               | 2    | 40-X-1233   | M45 x 1.5 thd.                      |
| Washer - flat         | 2    | 1229-N-1730 | 3" o.d. x 1.79" i.d. x .19" thk.    |
| Dowel - pin           | 5    | 1246-J-1206 | 1/4" dia. x 1" long                 |
| Washer - thrust       | 2    | 1229-N-4720 | 3.5" o.d. x 2.49" i.d. x .281" thk. |
| Capscrew              | 24   | S-2718-2    | 7/16" - 14 thk. x 2.25" long        |
| Plug                  | 8    | P-42        | 1/8 NPT, hex socket                 |
| Capscrew              | 2    | S-2734-2    | 7/16" - 14 thk. x 4.25" long        |
| Plug                  | 3    | P-212       | 3/4 NPT, square socket              |
| Drain plug - magnetic | 3    | 1250-E-473  | 3/4 NPT                             |
| Washer                | 98   | 1229-E-1513 | .81" o.d. x .47" i.d. x .09" thk.   |
| Locknut               | 24   | NL-27-1     | 7/16" - 14, hex                     |
| Shim                  | 1    | 2803-A-2705 | 7.63" b.c. dia., 8 bolt, .005" thk. |
| Capscrew              | 46   | S-2710-2    | 7/16" - 14 thd. x 1.25" long        |
| Shim                  | 2    | 2803-B-2706 | 7.63" b.c. dia., 8 bolt, .003" thk. |
| Shim                  | 6    | 2803-Z-2704 | 7.63" b.c. dia., 8 bolt, .010" thk. |
| Cap                   | 1    | 2205-P-1134 | 1/4" - 4 bolt 2.75" x 2.75"         |
| Plug                  | 1    | P-26        | 3/8 NPT, square socket              |
| Washer - flat         | 1    | 1229-U-1503 | 1.06" o.d. x .66" i.d. x .09" thk.  |
| Screw - special       | 1    | 41-X-1022   | M16 x 1 thd. x 20 mm long           |
| Washer - flat         | 3    | WA-34       | 5/8" o.d. x 1/4" i.d. x .065" thk.  |
| Capscrew              | 11   | S-248-2     | 1/4" - 20 thd. x 1" long            |

## KIT 2528

## SEAL KIT

| Part Name                                                        | Qty. | Part Number   | Description                         |
|------------------------------------------------------------------|------|---------------|-------------------------------------|
| Seal assy. - oil, front output<br>(included with Declutch assy.) | 1    | A-1205-P-2590 | 3.00" i.d. x 3.75" o.d. x .79" long |
| Seal assy. - oil (front input and<br>rear output)                | 2    | A-1205-R-2592 | 3.25" i.d. x 4.25" o.d. x .86" long |
| O-ring                                                           | 5    | 5-X-1299      | 6.49" o.d. x .103", dash 165        |
| O-ring                                                           | 1    | 5-X-1198      | 1.46" ID x .207, dash 325           |
| O-ring                                                           | 1    | 5-X-1267      | 1.80" o.d. x .103, dash 133         |

## T-2119 SERIES SERVICE KITS (cont)

### KIT 2593

### BEARING KIT

| Part Name    | Qty. | Part Number | Description               |
|--------------|------|-------------|---------------------------|
| Bearing Cup  | 2    | 1228-M-1547 | 3.543" o.d. x .728" thick |
| Bearing Cone | 2    | 1228-N-1548 | 3.258" o.d. x .928" thick |
| Spacer       | 1    | 1244-F-2554 | .247" thick               |
| Spacer       | 1    | 1244-Q-2565 | .250" thick               |
| Spacer       | 1    | 1244-R-2566 | .253" thick               |
| Spacer       | 1    | 1244-S-2567 | .256" thick               |
| Spacer       | 1    | 1244-T-2568 | .259" thick               |
| Spacer       | 1    | 1244-U-2569 | .262" thick               |
| Spacer       | 1    | 1244-V-2570 | .265" thick               |
| Spacer       | 1    | 1244-K-2585 | .268" thick               |
| Spacer       | 1    | 1244-L-2586 | .271" thick               |
| Spacer       | 1    | 1244-M-2587 | .274" thick               |
| Spacer       | 1    | 1244-N-2588 | .277" thick               |
| Spacer       | 1    | 1244-P-2590 | .280" thick               |
| Spacer       | 1    | 1244-Q-2591 | .283" thick               |

## T-2119 SERIES TRANSFER CASE

| Item | Part Name                                                     | Qty. | Part Number    | Description                                 |
|------|---------------------------------------------------------------|------|----------------|---------------------------------------------|
| 1    | Locknut                                                       | 1    | 40-X-1237      | M39 x 1.5 thd.                              |
| 2    | Washer                                                        | 1    | 1229-T-1736    | 2.36" o.d. x 1.56" i.d. x .12" thk.         |
| 3    | Yoke assy. - front output                                     | 1    | 170TYS32-2A2   | 2" x 39 x 2.0" long spline                  |
| 4    | Switch and connector assy. (optional)                         | 2    | 3237-W-1167    | 2 AMP x 12 VDC, M16 x 1 thd.                |
| 5    | Capscrew                                                      | 2    | S-2746-2       | 7/16" - 14 thd. x 5.75" long                |
| 6    | Seal assy. - oil, front output (included with Declutch assy.) | 1    | A-1205-P-2590  | 3.00" i.d. x 3.75" o.d. x .79" long         |
| 7    | Elbow - male                                                  | 1    | 1898-H-242     | 1/4 NPT x 3/8" tube end                     |
| 8    | Declutch assy.                                                | 1    | A1-3226-A-1379 | 10K Lb-Ft torque rating                     |
| 9    | Dowel - pin                                                   | 4    | 1246-T-1190    | 3/8" dia. x 1" long                         |
| 10   | Cover - gear case fin.                                        | 2    | 3226-P-1420    | 8 bolt mount                                |
| 11   | Locknut                                                       | 2    | 40-X-1233      | M45 x 1.5 thd.                              |
| 12   | Washer - flat                                                 | 2    | 1229-N-1730    | 3" o.d. x 1.79" i.d. x .19" thk.            |
| 13   | Yoke assy. - front input                                      | 1    | 250TYS38-1     | 2-3/8" x 46 x 2.32" long spline             |
| 14   | Seal assy. - oil (front input and rear output)                | 2    | A-1205-R-2592  | 3.25" i.d. x 4.25" o.d. x .86" long         |
| 15   | Cover - gear case fin.                                        | 2    | 3226-R-1422    | 8 bolt mount                                |
| 16   | Dowel - pin                                                   | 5    | 1246-J-1206    | 1/4" dia. x 1" long                         |
| 17   | Washer - thrust                                               | 2    | 1229-N-4720    | 3.5" o.d. x 2.49" i.d. x .281" thk.         |
| 18   | Lube tube assy.                                               | 1    | A-2296-L-1130  | 3/8" o.d. tube                              |
| 19   | Connector                                                     | 1    | 1898-J-868     | 1/4 NPT x 3/8" tube end                     |
| 20   | Breather assy.                                                | 1    | A-1199-P-1394  | 3/8 NPT x 3/4" hex                          |
| 21   | Capscrew                                                      | 24   | S-2718-2       | 7/16" - 14 thk. x 2.25" long                |
| 22   | Plug                                                          | 8    | P-42           | 1/8 NPT, hex socket                         |
| 23   | Capscrew                                                      | 2    | S-2734-2       | 7/16" - 14 thk. x 4.25" long                |
| 24   | Plug                                                          | 3    | P-212          | 3/4 NPT, square socket                      |
| 25   | Drain plug - magnetic                                         | 3    | 1250-E-473     | 3/4 NPT                                     |
| 26   | Cover - transfer case                                         | 1    | 3289-W-1089    | 3 shaft 17.25" drop (ratio 1:1)             |
|      |                                                               | 1    | 3289-P-1082    | 3 shaft 17.25" drop (ratio 1.21:1)          |
| 27   | Shaft - input                                                 | 1    | 3297-N-1470    | 12.69" long, 2-3/8" x 46 x 2.5" long spline |
| 28   | Gear - drive helical output                                   | 1    | 3892-F-5336    | 35T, 10.76" PD (ratio 0.83:1 Gear Option)   |
|      |                                                               | 1    | 3892-B-5306    | 32T, 9.84" PD (ratio 1.00:1 Gear Std.)      |
|      |                                                               | 1    | 3892-H-5338    | 29T, 8.92" PD (ratio 1.21:1 Gear Option)    |
| 29   | Bearing cup                                                   | 6    | 832            | 6.625" o.d. cup                             |
| 30   | Bearing cone                                                  | 6    | 835            | 2.75" i.d. cone                             |

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## T-2119 SERIES TRANSFER CASE

| Item | Part Name                  | Qty. | Part Number   | Description                                 |
|------|----------------------------|------|---------------|---------------------------------------------|
| 31   | Button - pump drive        | 1    | 2297-U-8315   | .75" o.d. x 2.62" slot                      |
| 32   | Gear - idler helical       | 1    | 3892-Z-5304   | 33T, 10.15" PD (all ratios)                 |
| 33   | Shaft - output             | 1    | 3297-M-1469   | 16.39" long, 2-3/8" x 46 x 2.5" long spline |
| 34   | Gear - drive helical input | 1    | 3892-H-5338   | 29T, 8.92" PD (ratio 0.83:1 Gear Option)    |
|      |                            | 1    | 3892-B-5306   | 32T, 9.84" PD (ratio 1.00:1 Gear Std.)      |
|      |                            | 1    | 3892-F-5336   | 35T, 10.76" PD (ratio 1.21:1 Gear Option)   |
| 35   | Case - transfer            | 1    | 3290-L-1156   | 3 shaft 17.25" drop (ratio 1:1)             |
|      |                            | 1    | 3290-C-1147   | 3 shaft 17.25" drop (ratio 1.21:1)          |
| 36   | Washer                     | 98   | 1229-E-1513   | .81" o.d. x .47" i.d. x .09" thk.           |
| 37   | Locknut                    | 24   | NL-27-1       | 7/16" - 14, hex                             |
| 38   | Shim                       | 1    | 2803-A-2705   | 7.63" b.c. dia., 8 bolt, .005" thk.         |
| 39   | O-ring                     | 5    | 5-X-1299      | 6.49" o.d. x .103", dash 165                |
| 40   | Shim                       | 2    | 2803-B-2706   | 7.63" b.c. dia., 8 bolt, .003" thk.         |
| 41   | Cover - gear case          | 1    | 3226-Q-1421   | 8 bolt mount                                |
| 42   | Capscrew                   | 46   | S-2710-2      | 7/16" - 14 thd. x 1.25" long                |
| 43   | Shim                       | 6    | 2803-Z-2704   | 7.63" b.c. dia., 8 bolt, .010" thk.         |
| 44   | Yoke assy. - rear output   | 1    | 250TYS38-1A   | 2-3/8" x 46 x 2.32" long spline             |
| 45   | Oil pump                   | 1    | A-3303-D-1044 | 4.6 GPM @ 1750 RPM, 60 PSI relief           |
| 46   | Washer - flat              | 3    | WA-34         | 5/8" o.d. x 1/4" i.d. x .065" thk.          |
| 47   | Capscrew                   | 3    | S-248-2       | 1/2"-20 thd. x 1" long                      |
| 48   | Connector - male           | 1    | 2206-Q-1421   | 3/4 NPT x 5/8" tube end                     |
| 49   | Lube tube - inlet assy.    | 1    | A-2296-W-1141 | 5/8" o.d. tube (ratio 1:1)                  |
|      |                            | 1    | A-2296-V-1140 | 5/8" o.d. tube (ratio 1.21:1)               |
| 50   | Fitting assy. - screen     | 1    | A-2206-U-1425 | 3/4 NPT x 3/4 NPT x 5.4" long               |
| 51   | Elbow - male               | 1    | 2206-R-1422   | 3/4 NPT x 5/8" tube end                     |

## T-2119 SERIES DECLUTCH ASSY.

| Item | Part Name                          | Qty. | Part Number         | Description                        |
|------|------------------------------------|------|---------------------|------------------------------------|
| 52   | Seal assy. - oil<br>(front output) | 1    | A-1205-P-2590       | 3" i.d. x 3.75" o.d. x .79" long   |
| 53   | Shaft - PTO                        | 1    | 3297-B-1432         | 2" x 39T x 1.9" long spline        |
| 54   | Cap                                | 1    | 2205-P-1134         | 1/4" - 4 bolt 2.75" x 2.75"        |
| 55   | Spring - shifter                   | 1    | 2258-N-1262         | 1.4" o.d. x 3.0" long, 6.9 coils   |
| 56   | Plug                               | 1    | P-26                | 3/8 NPT, hex socket                |
| 57   | Washer - flat                      | 1    | 1229-U-1503         | 1.06" o.d. x .66" i.d. x .09" thk. |
| 58   | Screw - special                    | 1    | 41-X-1022           | M16 x 1 thd. x 20 mm long          |
| 59   | Shipping protector                 | 1    | Not sold separately |                                    |
| 60   | Rod - push                         | 1    | 2244-N-1184         | 1" o.d. x 4.16" long               |
| 61   | Piston - shifter                   | 1    | 2230-T-1190         | 1.89" o.d. x .7" long              |
| 62   | O-ring                             | 1    | 5-X-1198            | 1.46" ID x .207, dash 325          |
| 63   | O-ring                             | 1    | 5-X-1267            | 1.80" o.d. x .103, dash 133        |
| 64   | Plate - piston cover               | 1    | 2205-N-1132         | 1/4" - 4 bolt 2.5" x 2.5"          |
| 65   | Capscrew                           | 8    | S-248-2             | 1/4" - 20 thd. x 1" long           |
| 66   | Cage - bearing                     | 1    | 3226-A-1379         |                                    |
| 67   | Bearing assy.                      | 1    | KIT 2593            |                                    |
| 68   | Fork - shift                       | 1    | 3296-A-1301         | 1" dia., shaft mount               |
| 69   | Clutch collar - diff. lockout      | 1    | 3107-D-1018         | 2.1" x 41T spline                  |

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## ARVINMERITOR 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.

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Revised 10/2004  
PB-0145

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