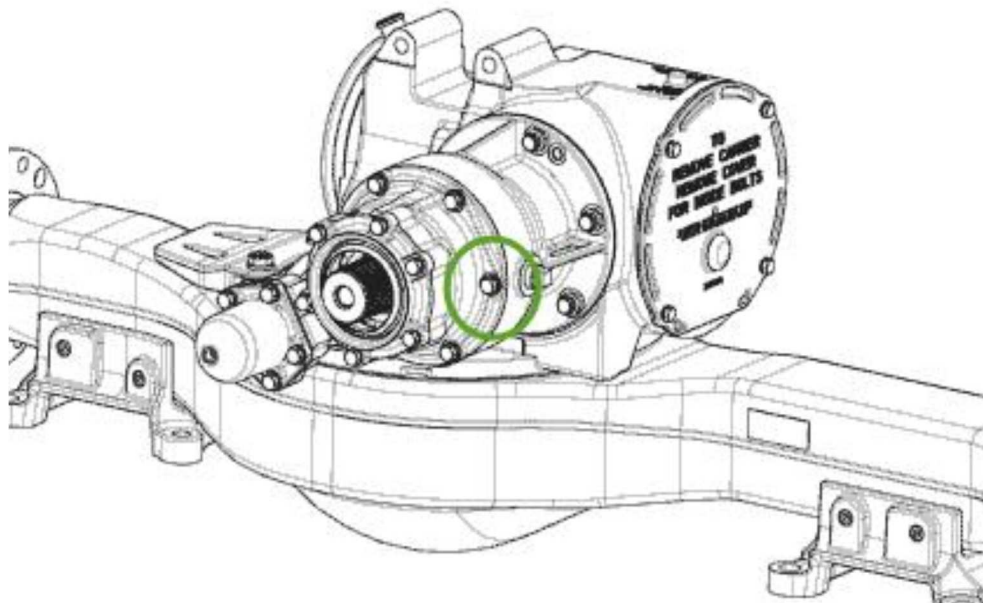


## Power Divider Lockout Leakage, Repair CHU, GU, LEU, LR, MRU, CXU, TD

### FSB 468-001, Power Divider Lockout Leakage, Repair

(March 2016)

On MACK vehicles built between July 6, 2015 and January 15, 2016 equipped with a MACK CRD 150 carrier, the mounting bolt hole on the driver side of the power divider housing which lines up with the fill plug is drilled through to the fill plug hole. This can create a path for a leak around the threads of the mounting bolt. The remaining five mounting bolt holes are blind. When a leak is found in this area, verify that all six mount bolts around the flange are tight. If any of the mounting bolts are found to be loose, the power divider lockout (PDLO) assembly must be removed and the gasket replaced. If all the bolts are tight, the bolt at the 3:00 position should be removed and cleaned along with the mounting hole with a residue free cleaning spray like contact cleaner.



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**Note:** Starting January 15, 2016 production has moved to a flange headed bolt with pre-applied sealant on the bolts for the power divider lockout similar to the bolts used on the non-power divider lockout units. If there is a leak in this area on a vehicle built after January 15, 2016 there is a different problem.

**Note:** The bolts between the two units (lockout and non-lockout) are not interchangeable due to differences in length.

**Note:** Carriers without the power divider lockout assembly have factory sealant on this bolt.

## Parts

- 25102059, PDLO Assembly Gasket
- 25499834, 7/16x14x1.25, Flange Head Bolt with pre-applied sealant or Loctite® 567 Sealant (or equivalent)

## Procedure

You must read and understand the precautions and guidelines in Service Information, Function Group 40, "General Safety Practices, Transmission" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.



### DANGER

Do not attempt to repair or service this vehicle without having sufficient training, the correct service literature and the proper tools. Failure to follow this could make the vehicle unsafe and lead to serious personal injury or death.

- 1 Secure the vehicle for service by parking it on a flat level surface, applying the parking brake, chocking the rear wheels, and placing the transmission in neutral.
- 2 Inspect the PDLO gasket for leakage and check for loose bolts.
  - If no leakage exists and there are no loose bolts, **perform Step 3 only**.
  - If leakage exists or there are loose bolts, proceed to Step 4.
- 3 Remove pass-through mounting bolt, clean the threads and mounting hole. Apply Loctite 567® sealant to bolt threads. Install bolt and tighten to 47 ±5 Nm (35 ±4 lb-ft). If part number 25499834 is used, tighten to 61 ±7 Nm (45 ±5 lb-ft). Check fluid level and add as necessary.

**Note:** Do not apply Loctite 567® to part number 25499834.
- 4 Disconnect drive shaft from PDLO assembly.
- 5 Disconnect airline at shift cylinder.
- 6 Remove PDLO assembly and cam.
- 7 Clean surface of assembly, mounting screw and holes.
- 8 Install cam in PDLO assembly.
- 9 Install alignment dowels in PDLO assembly.
- 10 Install new gasket (part number 25102059) on PDLO assembly.
- 11 Position PDLO assembly.
- 12 Remove alignment dowels.
- 13 Apply Loctite 567® sealant to bolt threads. Install bolt and tighten to 47 ±5 Nm (35 ±4 lb-ft). If part number 25499834 is used, tighten to 61 ±7 Nm (45 ±5 lb-ft).

**Note:** Do not apply Loctite 567® to part number 25499834.
- 14 Connect airline at shift cylinder.
- 15 Connect drive shaft.
- 16 Check fluid level and add as necessary.

**Reimbursement**

<b>This repair may be eligible for reimbursement if a product failure was experienced within time and mileage limits of the applicable Warranty coverage. Reimbursement is obtained via the normal claim handling process.</b>	
<b>Claim Type (used only when uploading from the Dealer Bus. Sys.)</b>	01
<b>Primary Labor Code</b>	
PDLO Leakage, Repair	4689-16-09-01 — 0.8 hrs
PDLO Pass-Through Bolt, Reseal	4689-16-09-02 — 0.3 hrs
<b>Causal Part</b>	21386048 25097037

Mack Trucks reserves the right to make any changes in design or to make additions to or upon its products without incurring any obligations to install the same on vehicles previously built.