



Mack Chassis - Lube Oil Leaking At Power Divider Lockout Mounting Bolt

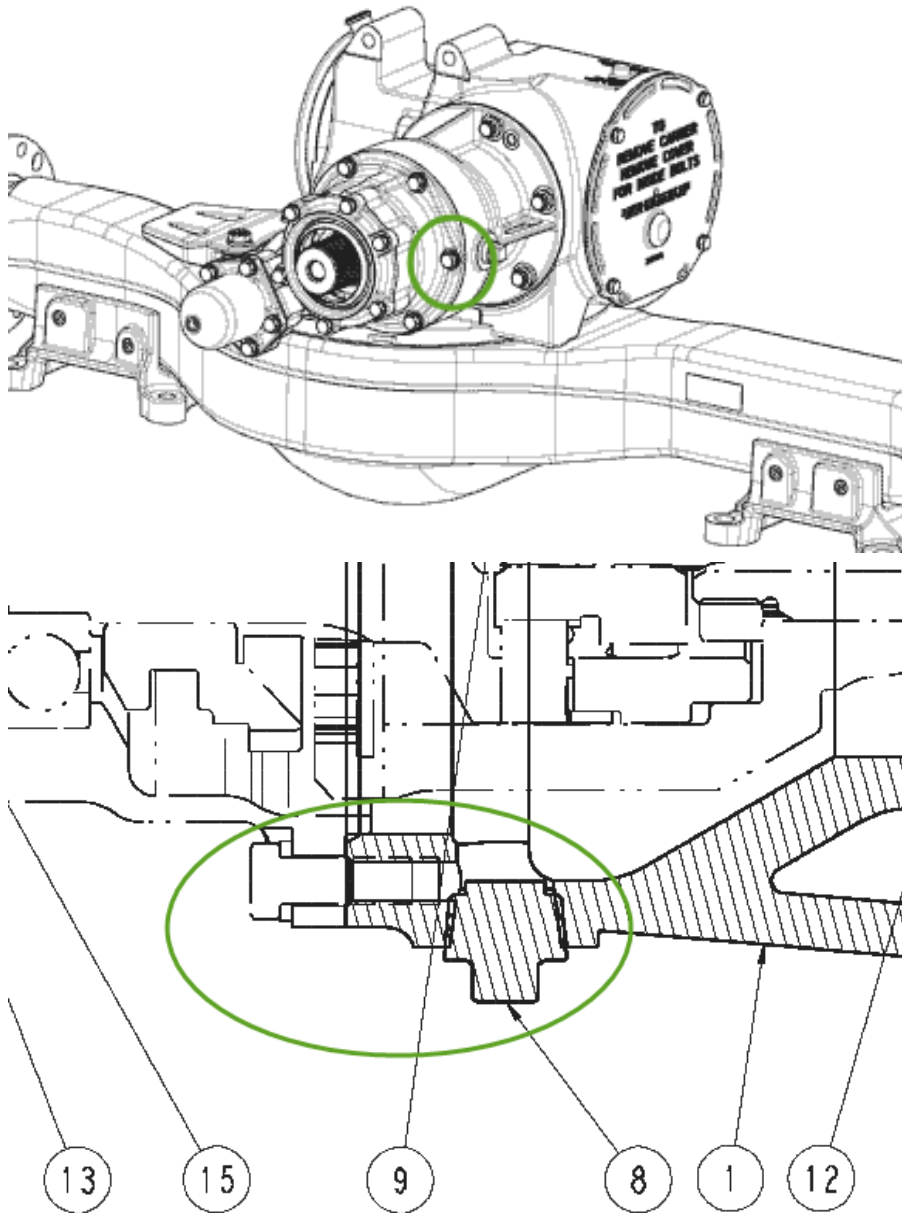


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Overview:

- The mounting bolt hole on the drivers 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.





Note: Carriers without the power divider lockout assembly have factory sealant on these bolts.

Recommended Actions: 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 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.

Apply Loctite 567 Sealant (or equivalent) to the bolt threads. Reinstall the bolt and torque to 42-53 Nm (31-39 LB-FT).



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If the gasket needed to be replaced, the same Loctite can be applied to all six bolts and torqued to the same spec as above.

As an alternative repair, the PDLO mounting bolt and washer can be discarded and replaced with flange head bolt incorporating a pre-applied thread sealant (PN 25499834) if available.

If the flange head bolt is used, you will torque the bolt to 54-68 Nm (40-50 LB-FT). The flange head bolt can be used up to two times and does not require additional sealant. If it is not clear how many times the bolt was used, always replace the bolt. This bolt can be used in all six locations if desired.

Use the table below for reference torque specifications

Application	Bolt Size	Part Number	Bolt Type	Factory Applied Sealant	Torque	Torque if liquid locking/sealing is re-applied in the field
PDLO	7/16 x14 x 1.25	Bolt, Washer	Bolt and Washer	No	42-53 Nm (31-39 LB-FT)	42-53 Nm (31-39 LB-FT)
PDLO	7/16 x14 x 1.25	25499834	Flange head bolt	Yes	54-68 Nm (40-50 LB-FT)	DO NOT APPLY any additional liquid sealan

The mounting bolts between the lockout and non-lockout units are NOT interchangeable due to differences in length.

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