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Service Information Bulletin

SUBJECT	DATE
Installation of the DD15 and DD16 Axial Power Turbine Gear Box	January 2013

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0081	DD15 and DD16 - All Years	Installation of the DD15 and DD16 Axial Power Turbine Gear Box	Added step with graphic to ensure the O-rings are lubricated before installation.



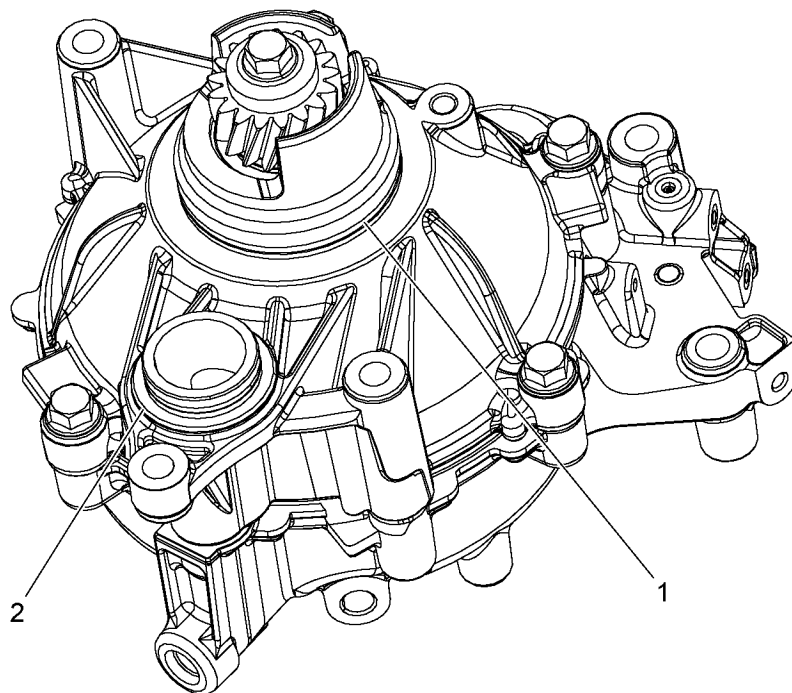
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2 Installation of the DD15 and DD16 Axial Power Turbine Gear Box

Install as follows:

NOTICE: Ensure gear box gear and idler gear located in gear case housing are meshed. Failure to mesh gears correctly will cause damage.

1. Add a light coat of clean engine oil to O-ring seals on the Axial Power Turbine Gear (1) and the Oil Drain (2).

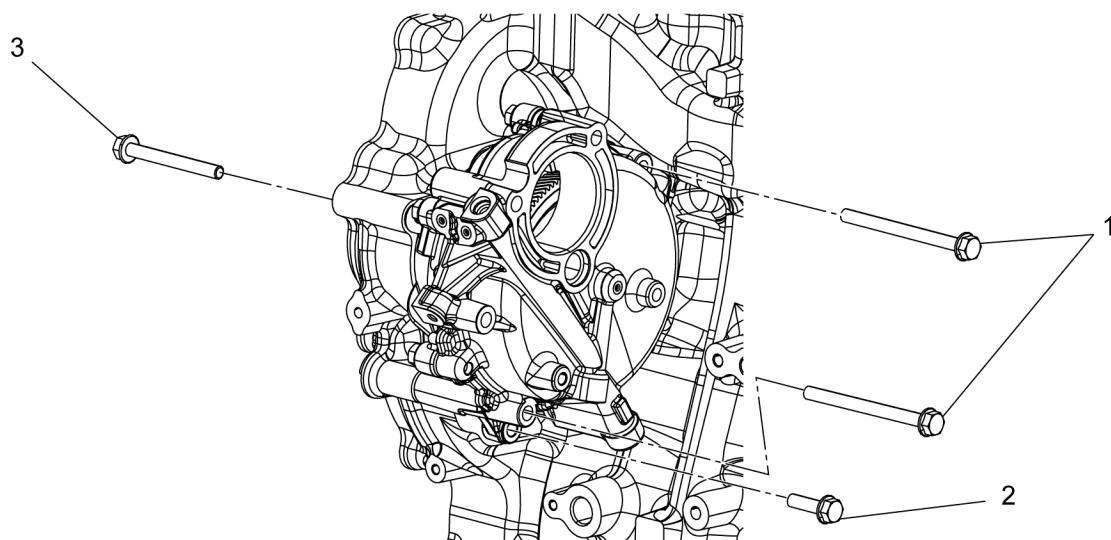


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2. Install Axial Power Turbine (APT) gear box to cylinder block, ensuring gears are meshed together when installed.

NOTICE: Ensure correct bolt length is used when gear box is installed. If incorrect bolt length (too long) is used, cup plugs installed in the cylinder block can be pushed out into gear train causing severe damage to the gear train.

3. Install four bolts into gear box and cylinder block and hand tighten.
 - a. Bolts (1) have 120mm long threads.
 - b. Bolt (2) has 35mm long threads.
 - c. Bolt (3) has 90mm long threads.



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4. Torque the four bolts to 55-60 N·m (41-44 lb·ft).
5. Install oil line to gear box and engine block. Torque to 35 N·m (26 lb·ft).