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Service Information Bulletin

SUBJECT	DATE
Flywheel, Ring Gear and Flywheel Housing	November 2014

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0081	DD Platform	Installation of the Flywheel Housing	Changed torque spec for the M10 bolts in step 5.
DDC-SVC-MAN-0181 DDC-SVC-MAN-S181	Euro IV		

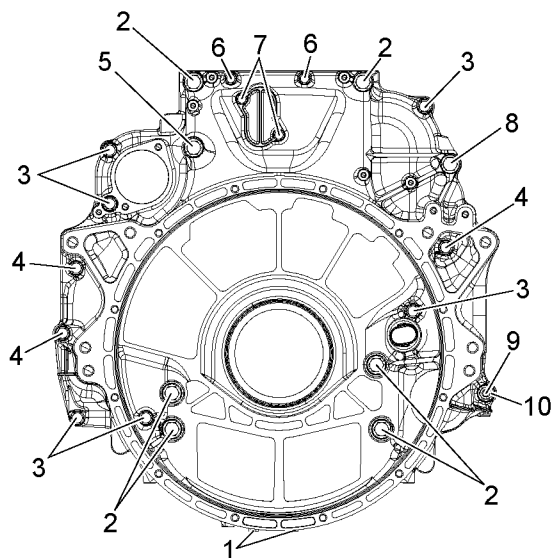


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2 Installation of the Flywheel Housing

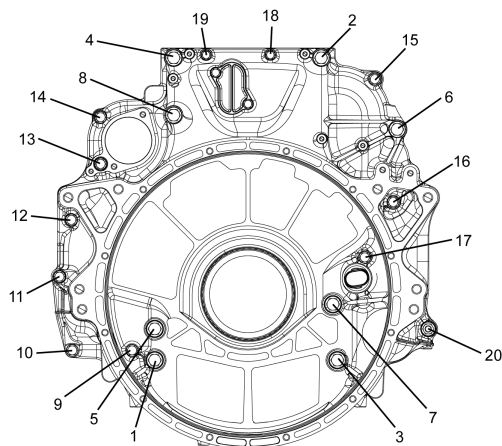
Install as follows:

1. Ensure the sealing surface on the housing and engine is clean and free of any debris.
2. Install a new gasket.
3. Install the flywheel housing and all of the housing bolts in their proper location; finger-tighten them.



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1. Bolt, M8 x 16 (2 qty.)
 2. Bolt, M14 x 1.5 x 90 (6 qty.)
 3. Bolt, M10 x 45 (6 qty.)
 4. Bolt, M10 x 90 (3 qty.)
 5. Bolt, M14 x 1.5 x 180 (1 qty.)
 6. Bolt, M8 x 45 (2 qty.)
 7. Bolt, M8 x 30 (2 qty.)
 8. Bolt, M14 x 1.5 x 70 (1 qty.)
 9. Stud, (1 qty.)
 10. Nut, M12-10 (1 qty.)
4. Remove the guide studs.
 5. Torque the flywheel housing bolts using the sequence and torque shown.



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1. Torque bolts (1-8) to 190 N·m (140 lb·ft)
2. Torque bolts (9-18) to 65 N·m (48 lb·ft)

3. Torque nut (20) to 100 N·m (74 lb·ft)
6. Install the rear engine mounts to the flywheel housing. Refer to appropriate Vehicle Service Manual.
7. Remove the jack stands and any other supports used to support the engine.
8. Inspect the crankshaft rear main oil seal. If any damage is found, replace as necessary.
9. Install the flywheel. Refer to section "Installation of the Flywheel".
10. For the DD15 and DD16; install the exhaust pipe and bracket to the flywheel housing and axial power turbine. Install two bolts into the bracket and flywheel housing. Install a clamp onto the exhaust pipe and axial power turbine.
11. Install the Crankshaft Position (CKP) sensor. Refer to section "Installation of the Crankshaft Position Sensor".
12. Install the oil pan and fill the engine with oil.
13. Prime the lubrication system. Refer to section "Priming the Engine Lubrication System".
14. Install the transmission. Refer to appropriate Vehicle Service Manual.