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Service Information Bulletin

SUBJECT	DATE
Testing and Inspection of the DD15 and DD16 Exhaust Gas Recirculation Cooler	January 2013

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0083	DD Platform	DD15 and DD16 Exhaust Gas Recirculation Cooler	Added links to removal and installation of the DD15 and DD16 Exhaust Gas Recirculation Cooler.



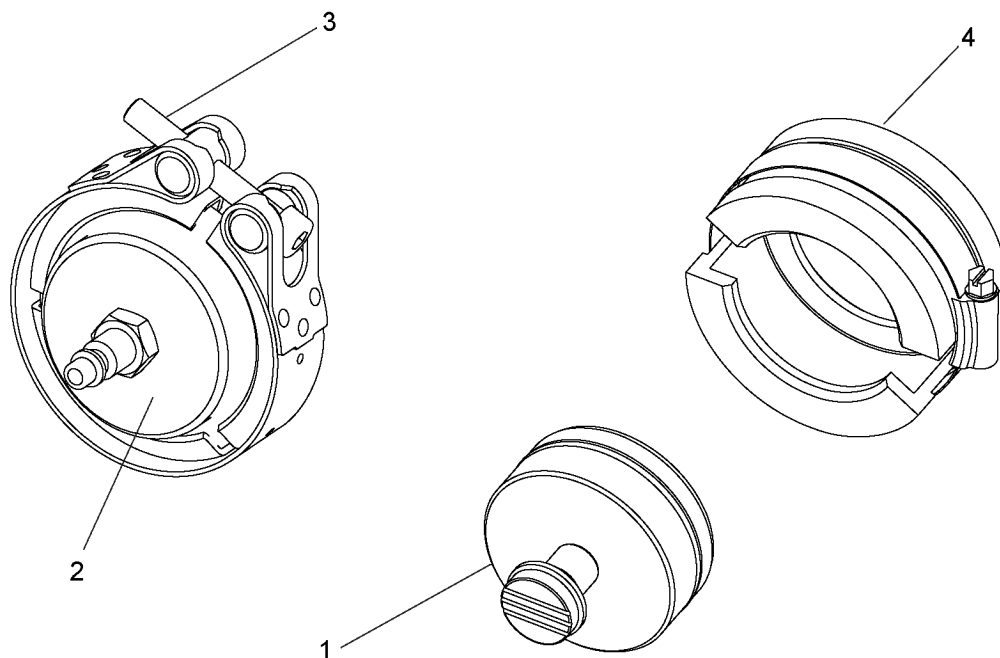
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2 Testing and Inspection of the DD15 and DD16 Exhaust Gas Recirculation Cooler

Test and Inspect as follows:

NOTE: Before performing this procedure, ensure the coolant is above 60°C (140°F).

1. Remove the Exhaust Gas Recirculation (EGR) Cooler Refer to section "Removal of the DD15 and DD16 Exhaust Gas Recirculation Cooler"
2. Install W470589019100 onto the EGR cooler. Install the hot pipe cap (2) with the supplied Marmon clamp (3) on to the hot pipe end. Install the cold pipe plug (1) into the cold pipe end and retain it with the supplied clamshell and clamp (4).



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3. Use regulator from kit J-41473 and apply 30 psi air pressure to the cooler. Close the valve and disconnect the air supply.
4. Wait for 30 minutes and record the air gauge reading. There should be no drop in pressure.
5. If there is a pressure drop, reapply air pressure and use soap and water solution to ensure that there are no leaks externally from the test kit.
6. Is the test kit leaking?
 - a. Yes; ensure the clamps are tight and there is no damage to the kit. Replace if necessary.
 - b. No; Go to step 7.
7. Is the cooler leaking internally?
 - a. Yes; replace the EGR cooler. Refer to section "Installation of the DD15 and DD16 Exhaust Gas Recirculation Cooler"
 - b. No; troubleshoot for other internal coolant system leaks. Check for coolant out exhaust from an exhaust port and check for internal engine damage.