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Service Information Bulletin

SUBJECT	DATE
Oil Filter - Replacement of the Oil Filter	February 2019

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0081	EPA07/10/ GHG14 HD DD	Replacement of the Oil Filter	Several steps rewritten.

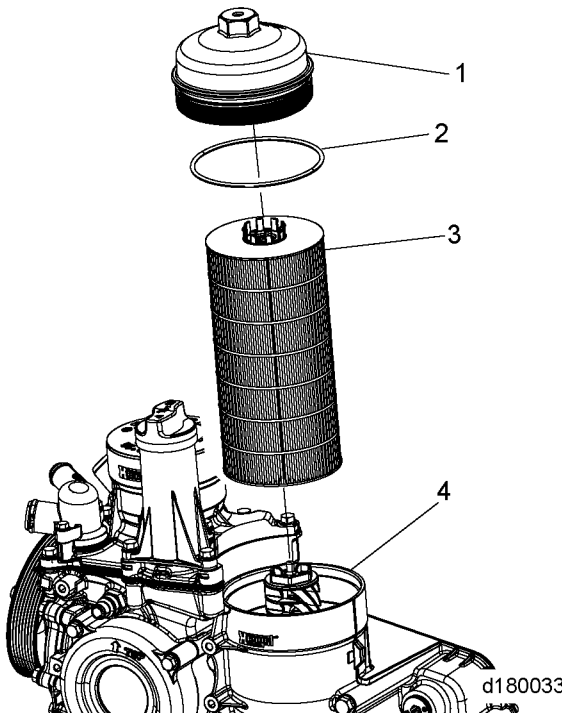


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2 Replacement of the Oil Filter

Remove as follows:

1. Clean any debris on the filter housing around the oil filter cap.
2. Using a 36-mm socket, unscrew the oil filter cap (1) and filter (3), and allow the oil to drain into the housing (4). After draining is complete, remove the assembly from the housing (4).



NOTE: For Setra Bus, when removing the filter, separate the cap from the filter before pulling out of the module. Remove as two separate components.

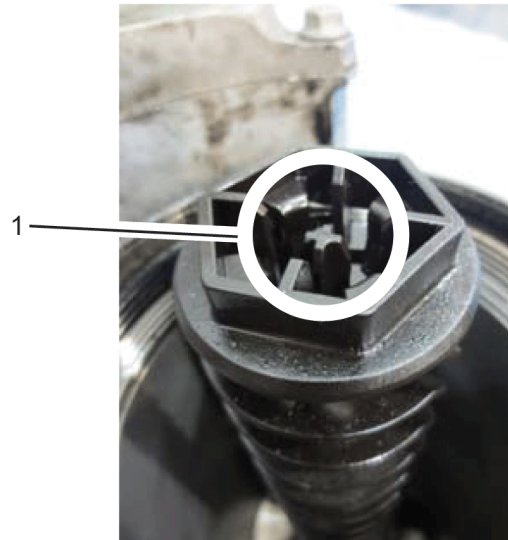
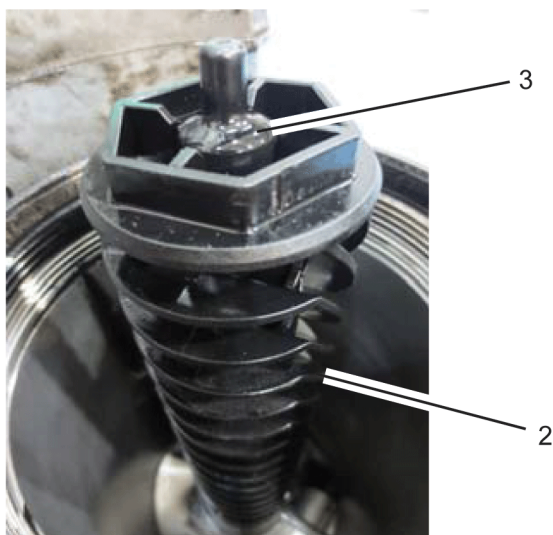
NOTE: Use care to prevent foreign objects from entering the filter housing.

NOTE: Do not service the air filter with the oil filter cap removed.

3. Remove the filter element by pressing and twisting the side and detaching it from the cap. Discard the filter element.
4. Remove the oil filter O-ring and discard. Lightly coat a new O-ring with clean engine oil and install it on the original filter cap.
5. Check the filter housing for any debris and remove if necessary.

NOTICE: If the stand pipe or bypass valve are broken, all parts must be recovered. If the pieces are not found with the filter removed, follow steps 7-13 to locate them.

6. Inspect the oil filter stand pipe (2) and oil bypass valve (3). If damaged, replace the oil filter stand pipe. If the oil bypass valve is missing(1), follow steps 7-13 to locate it. If no damage is found, Go to step 14.



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7. Remove the oil pan drain plug and drain the engine oil. Discard oil drain plug O-ring.
8. Remove the oil filter stand pipe. Refer to section "Removal of the Oil Filter Stand Pipe".
9. Remove the oil coolant module. Refer to section "Removal of the Oil Coolant Module".
10. Thoroughly flush the oil coolant module to ensure no plastic debris is present.
11. Reinstall the oil coolant module. Refer to section "Installation of the Oil Coolant Module".
12. Install the new oil filter stand pipe. Refer to section "Installation of the Oil Filter Stand Pipe".
13. Install the oil pan drain plug with a new O-ring and torque the plug:
 - On a plastic oil pan, torque plug to 45 N·m (33 lb·ft).
 - On an aluminum oil pan, torque plug to 60 N·m (44 lb·ft).
14. Insert a new filter element and the cap assembly into the housing. Torque the cap to 40 to 50 N·m (30 to 37 lb·ft).
15. Refill the engine with new oil. Refer to section "How to Replace the Lubricating Oil and Oil Filter".