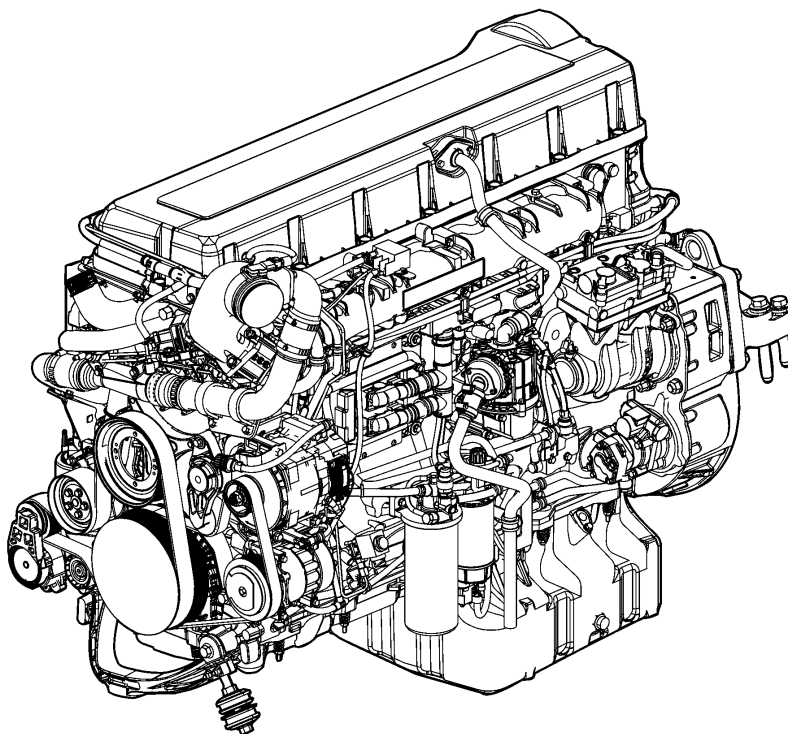


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Crankcase Ventilation
Service
D16F

Crankcase Ventilation



W2005773

This procedure provides information for replacing and checking the Volvo D16F crankcase ventilation filter.

Contents

- "Separator, Crankcase Ventilation, Replacement" page 2

2571-03-02-03 **Separator, Crankcase Ventilation, Replacement**

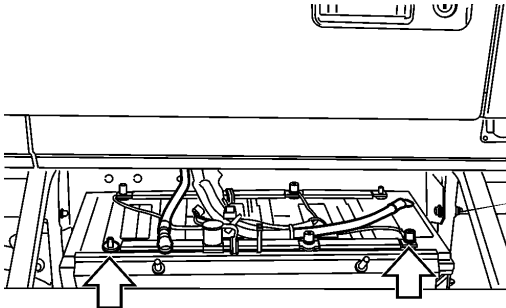
Remove

1

Apply the parking brake and place the shift lever in neutral.

2

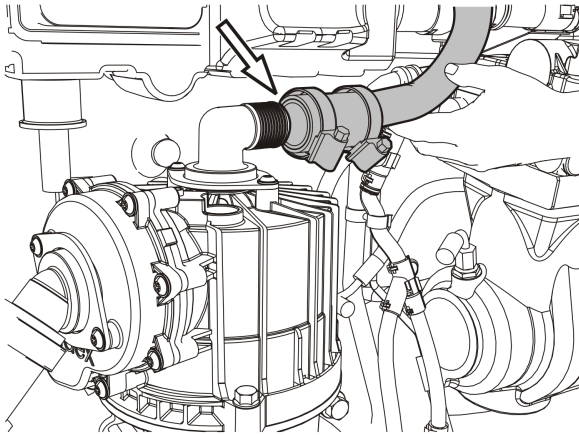
Remove all cables from ground (negative) battery terminals to prevent personal injury from electrical shock.



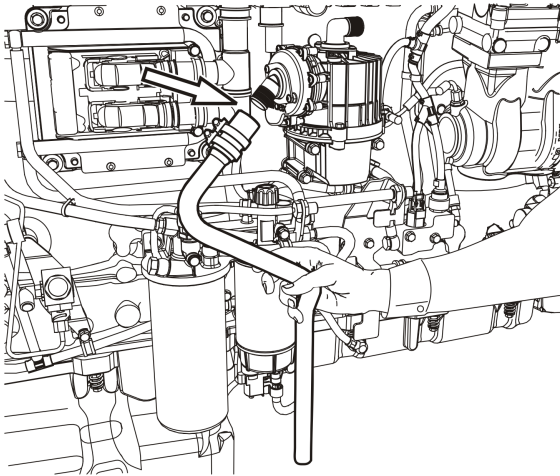
W2003815

3

Loosen the hose clamps at the top of the separator. Slide the coupling hose back.

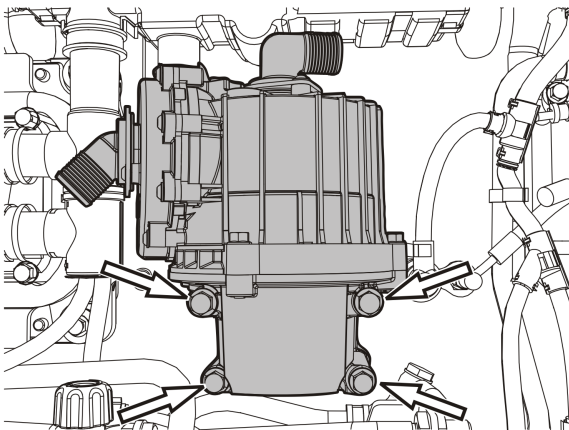


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4

Remove the clamp securing the lower portion of the drain tube to the lower bracket.



5

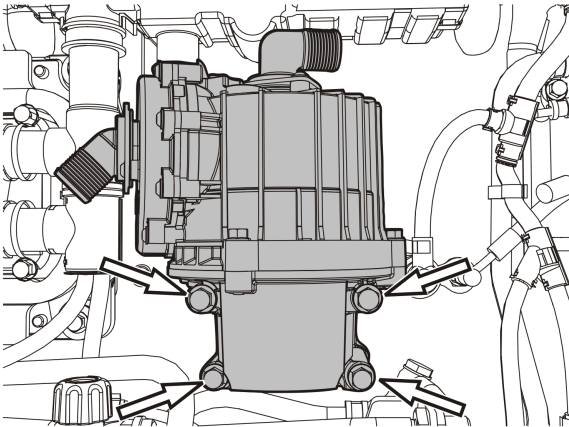
Remove the bolts securing the crankcase ventilation separator to the engine block and remove the separator.

Note: Separator may need to be tapped with a rubber hammer to free the separator from the gasket.

Installation

1

Clean the separator sealing surface and install a new gasket in the groove on the separator.

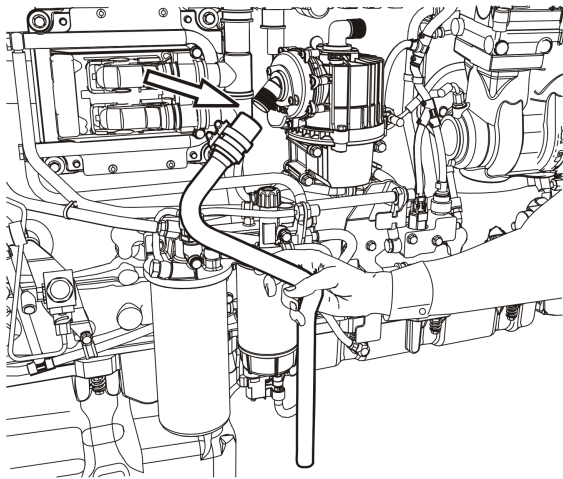


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2

Position the separator on the engine block and install the mounting bolts. Tighten the mounting bolts to 24 ± 4 Nm (18 ± 3 ft-lb).

24 ± 4 Nm
(18 ± 3 ft-lb)



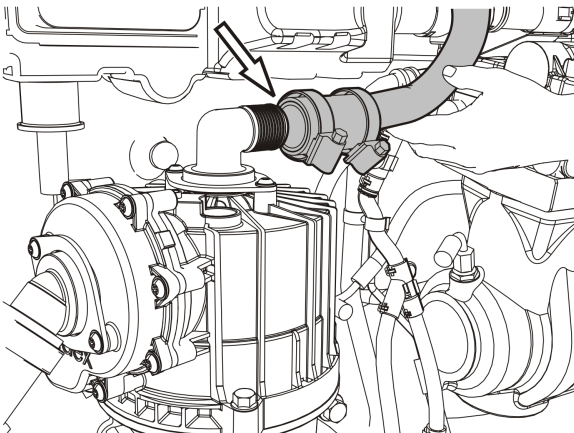
W2005749

3

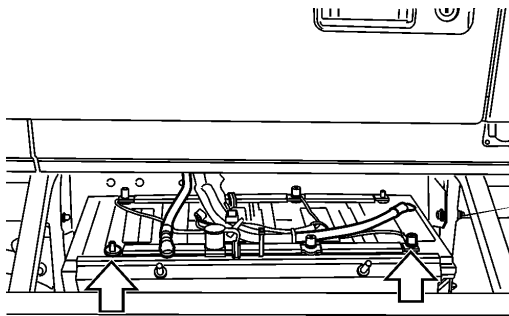
Connect the drain tube to the separator fitting. Position and tighten the hose clamp.

4

Connect the upper portion of the ventilation tube then, position and tighten the hose clamp.



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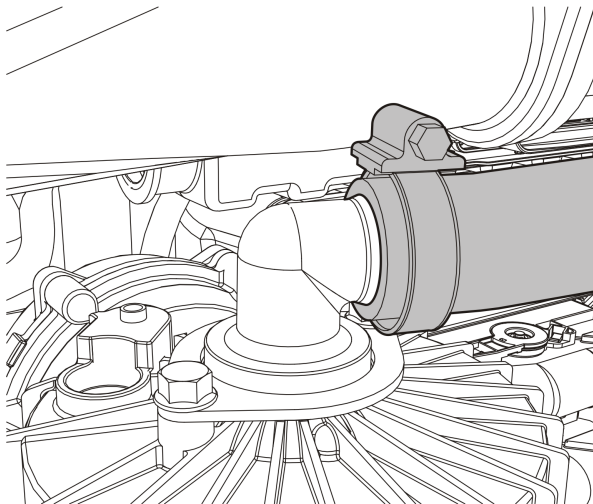
5

Install all previously remove cables to the ground (negative) battery terminals.

Crankcase Ventilation, Check

Note: As illustrations used in the service literature are used for several different engine variants, some details may differ from the variant in question. The essential information in the illustrations is, however, always correct.

Inlet Pipe Check



W2005736

1

Check the inlet pipe for oil film, oil residue and particles.

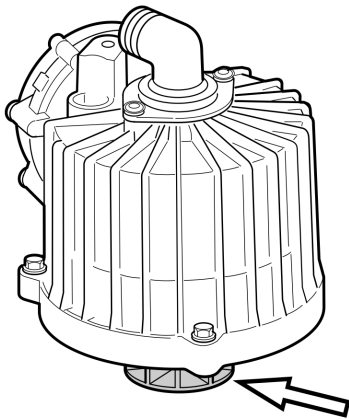
2

Remove any deposits from the pipe.

Separator Check

1

Undo the separator and try to rotate the turbine by hand. It should rotate easily.



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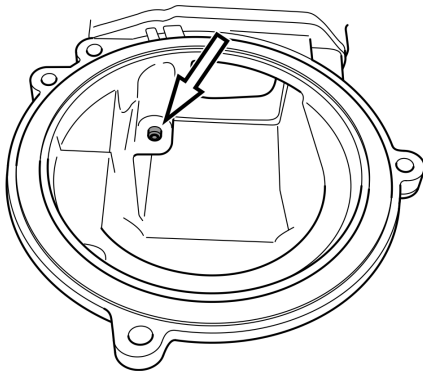
2

If the turbine is faulty, replace the separator.

Oil Nozzle Check

1

Undo the separator and check the oil nozzle which operates the separator. If the oil nozzle becomes clogged, the oil pressure is reduced and the turbine does not rotate as it should.



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2

Check for deposits and dirt. Clean if necessary. If cleaning doesn't help, replace the whole oil separator.