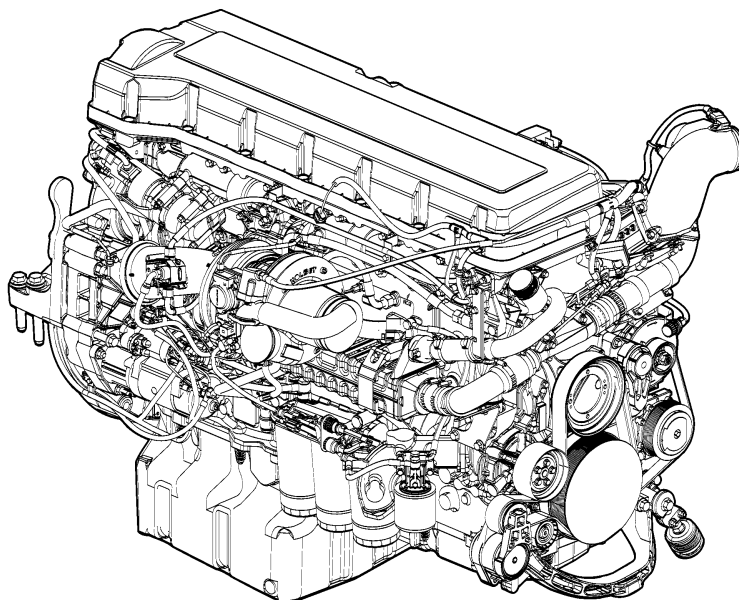


EGR Venturi Tube Replacement D16F

EGR Venturi Tube, Replacement



W2005772

This information covers replacement of the EGR venturi tube on a Volvo D16F engine.

Contents

- "Tube Venturi, Replacement" page 2

Note: Information is subject to change without notice. Illustrations are used for reference only, and may differ slightly from the actual engine version. However, key components addressed in this information are represented as accurately as possible.

Service Procedures

2411-03-02-01

Tube Venturi, Replacement

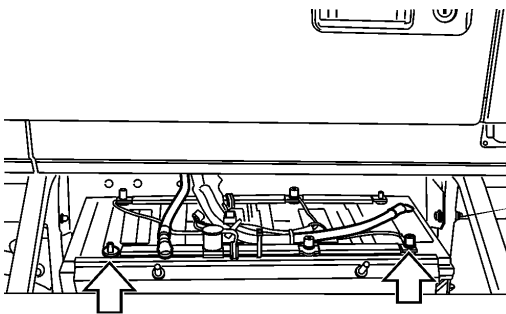
See also:

- "EGR Venturi Tube, Replacement" page 1

You must read and understand the precautions and guidelines in Service Information, group 20, "General Safety Practices, Engine" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.

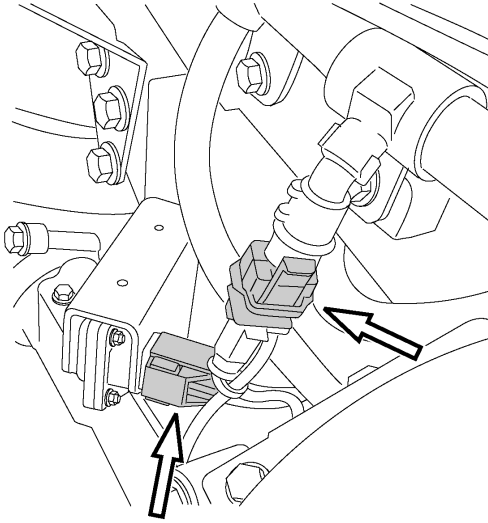
Removal

- 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.



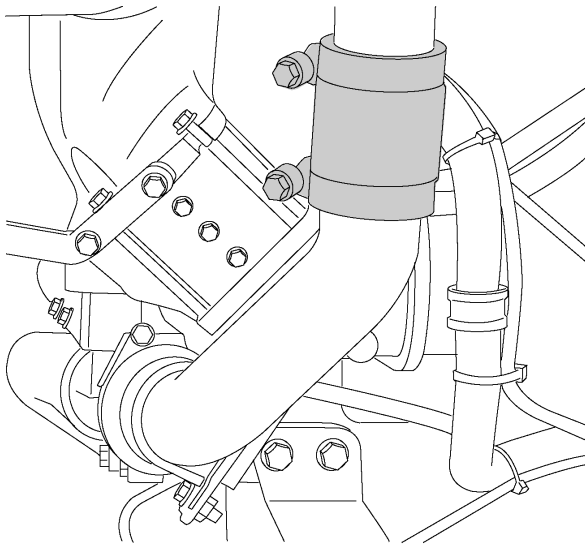
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- 3**
Disconnect the temperature and differential pressure sensor connectors.



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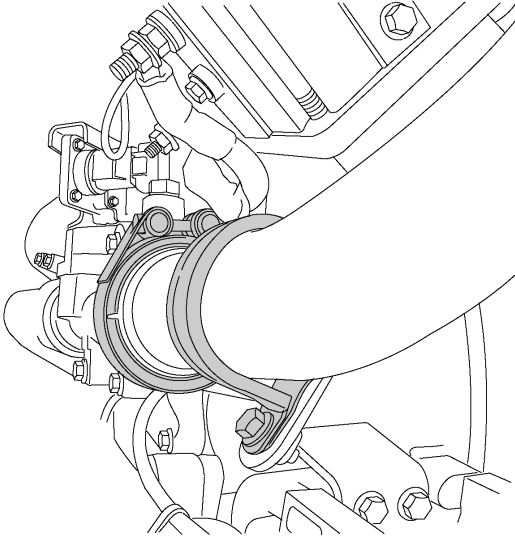
- 4**
Loosen the coupling hose clamps and slide the hose back onto the mixer inlet pipe.



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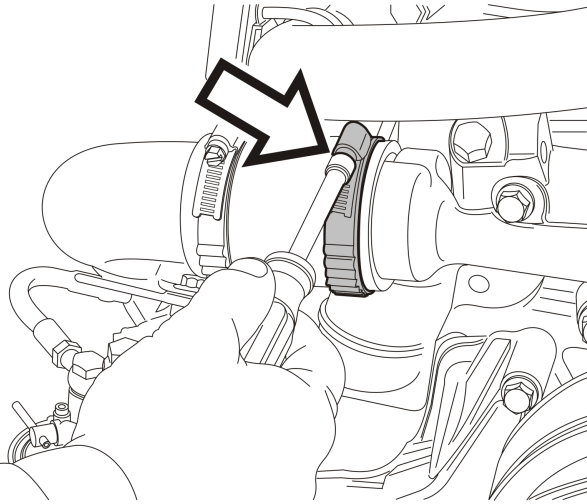
Loosen the bracket clamp screw and remove the V-band clamp at the venturi outlet. Remove the outlet pipe.



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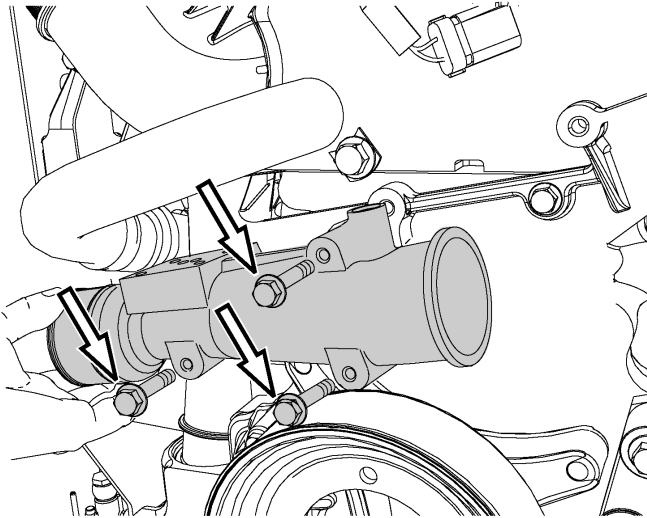
6

Loosen the coupling hose clamps at the venturi inlet.



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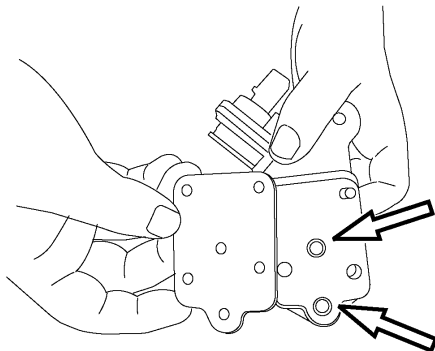
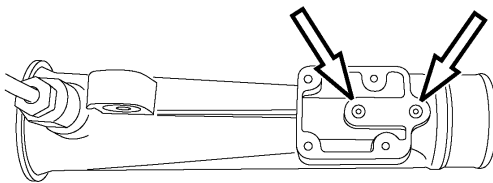
- 7**
Remove the venturi tube mounting screws and remove the tube.



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Installation

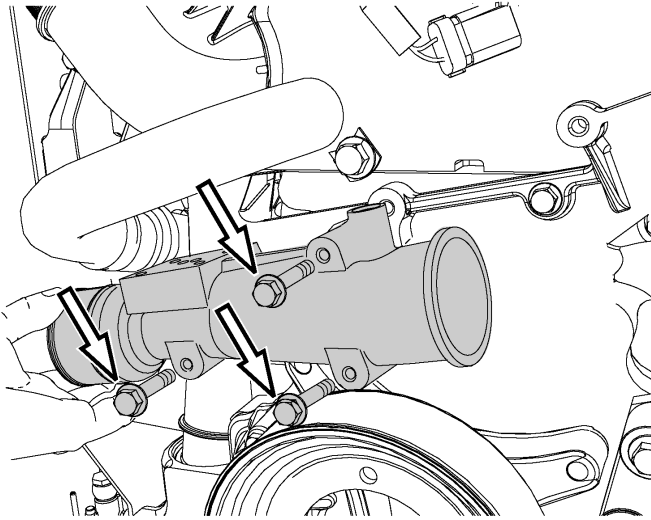
- 1**
Transfer the differential pressure sensor, mounting block and temperature sensor insert to the new venturi tube.
- 2**
Install new O-rings and a gasket.



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- 3**
Tighten the sensor mounting screws to 10 ± 1 Nm (90 ± 9 in-lb).

10 ± 1 Nm (90 ± 9 in-lb)



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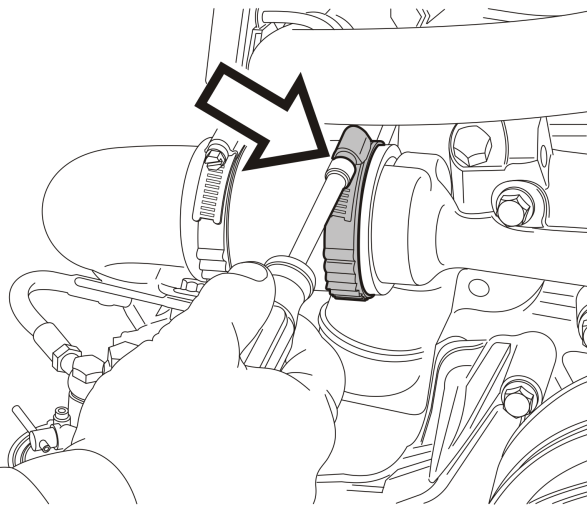
- 4**
Install a new coupling hose on the venturi inlet and new O-ring in the venturi outlet flange. Position the clamps over the hose and install the venturi and mounting screws.

- 5**
Tighten the venturi mounting screws to 24 ± 3 Nm (18 ± 2 ft-lb).

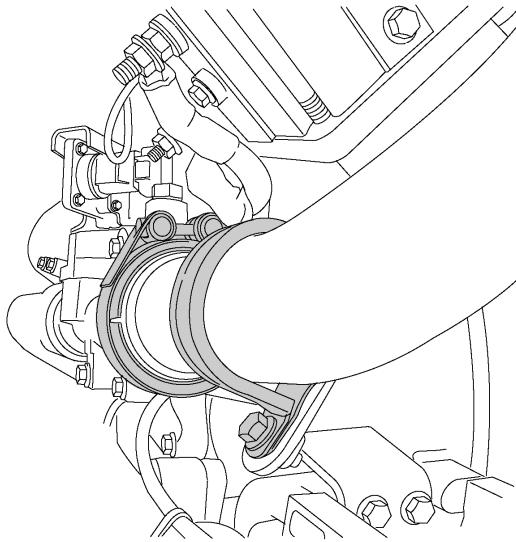
24 ± 3 Nm (18 ± 2 ft-lb)

- 6**
Position the coupling hose clamps at the venturi inlet. Tighten the clamps to 10 ± 1 Nm (90 ± 9 in-lb).

10 ± 1 Nm (90 ± 9 in-lb)



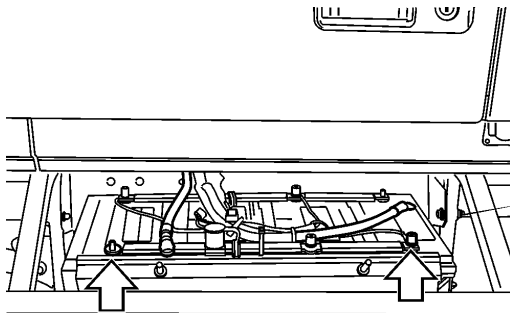
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- 7**
Inspect the V-band clamp to ensure it is in good condition. Lubricate and install the V-band clamp onto the venturi outlet pipe. Tighten the clamp to 10 ± 1 Nm (90 ± 9 in-lb).

10 ± 1 Nm (90 ± 9 in-lb)



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- 8**
Install all previously removed cables to the ground (negative) battery terminals.

- 9**
Start the engine. When it reaches operating temperature, run at 1800 rpm and check for leaks.