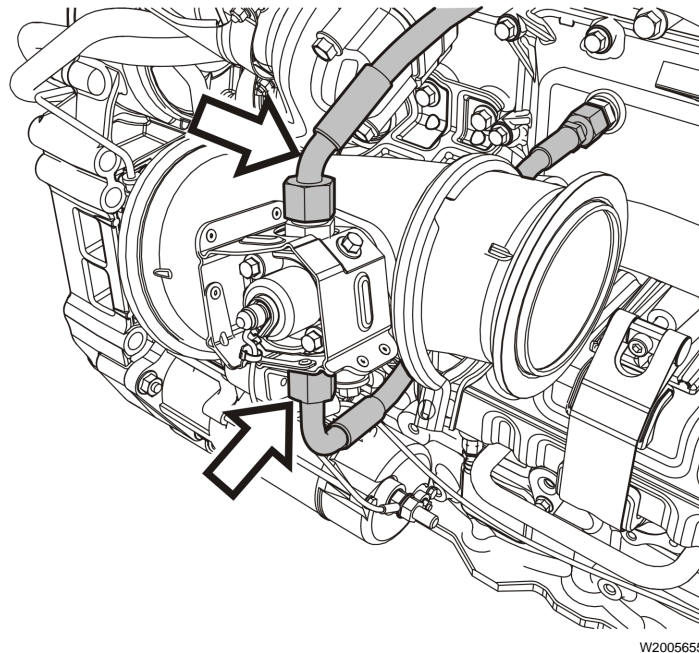


This Service Bulletin replaces publications PV776-20176599, PV776-20177685, and PV776-20177500.

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**Aftertreatment Injector  
Replacement  
D11F, D13F, D16F**

## **Aftertreatment Injector, Replace**



This information covers replacement of the aftertreatment fuel injector used for the DPF system on a Volvo D11F, D13F, and D16F engines.

### **Contents**

- “Special Tools” page 2
- “Injector, Aftertreatment, Replacement” page 3

**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.

# Tools

## Special Tools

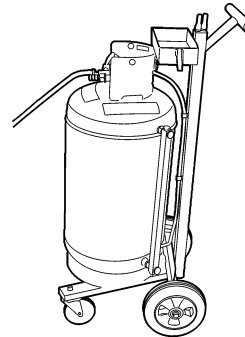
For special tools ordering instructions, refer to Tools Information, group 08.



W0001795

**9996049**

Coolant Drain Hose



W2004191

**DBT2V700**

Coolant Extractor

# Service Procedures

## 2589-03-02-13

### Injector, Aftertreatment, Replacement

See also:

- "Aftertreatment Injector, Replace" 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.

*Special tools: 9996049, DBT2V700*

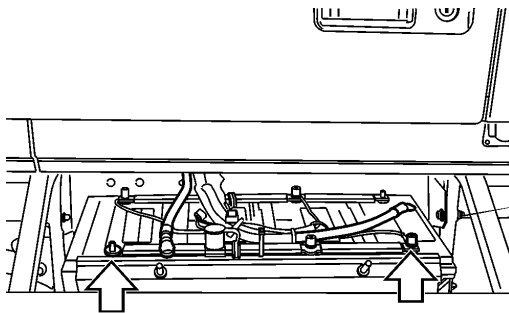
## Removal

**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.



W2003815

**3**

Connect coolant extraction tool DBT2V700 to the drain fitting at the bottom of the radiator. Drain the coolant.

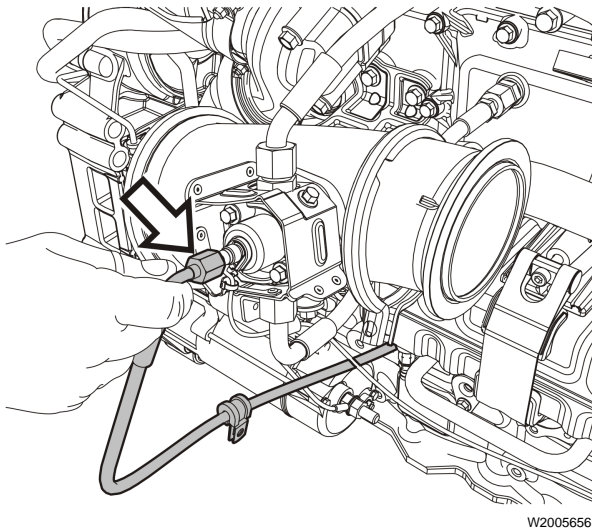
**Note:** An alternative method is to use drain hose 9996049 to drain coolant into an approved container.

DBT2V700, 9996049

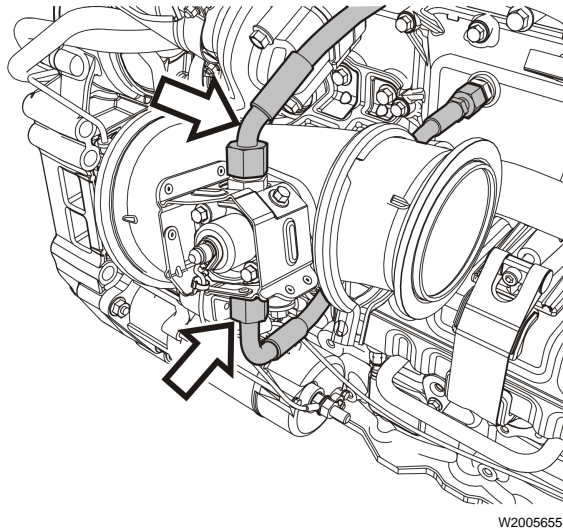
**4**

Remove inner splash guard as an assembly.

**Note:** Some models may be equipped with fender extenders, attached to the inner splash guard. Remove these as an assembly.

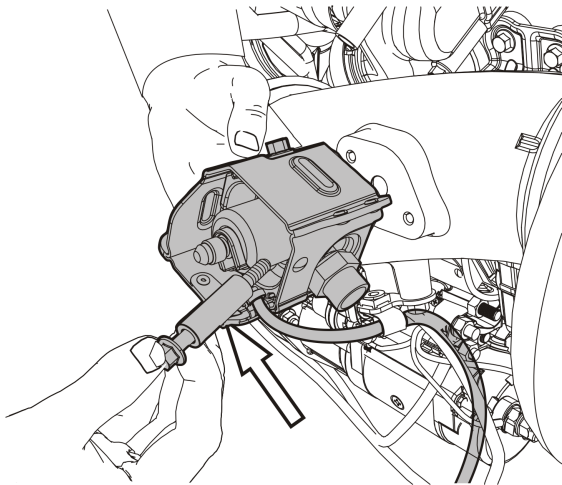


- 5**  
Disconnect the aftertreatment injector fuel supply line.  
Collect any residual fuel that may be in the fuel line  
in a suitable container.



- 6**  
Disconnect both the coolant inlet and outlet lines from the  
aftertreatment fuel injector fittings.

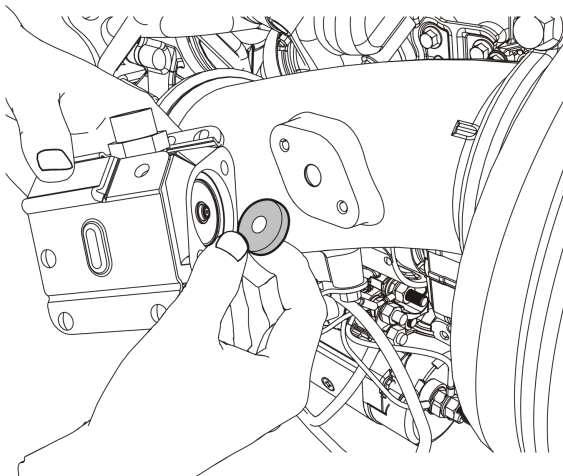
- 7**  
Disconnect the aftertreatment fuel injector wiring harness  
connector. Remove all the clips and tie straps to allow the  
harness to hang free.



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**8**

Remove the aftertreatment fuel injector mounting bolts and spacers, and remove the injector from the diffuser pipe (which attaches to the turbocharger outlet).



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**9**

Remove and discard the high-temperature gasket and steel plate gasket from the bottom of the injector.

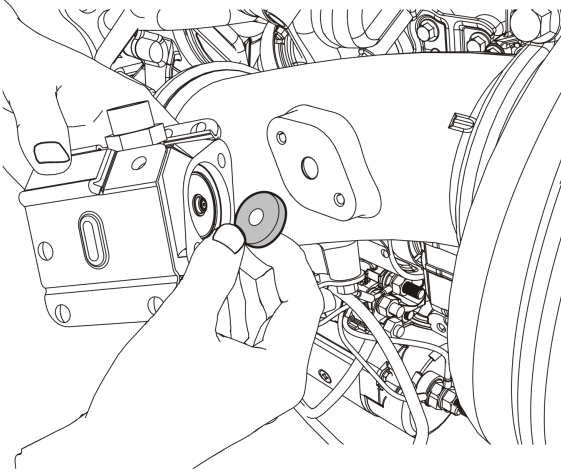
## Installation

**1**

Transfer both coolant fittings from the original aftertreatment injector to the replacement injector.

**2**

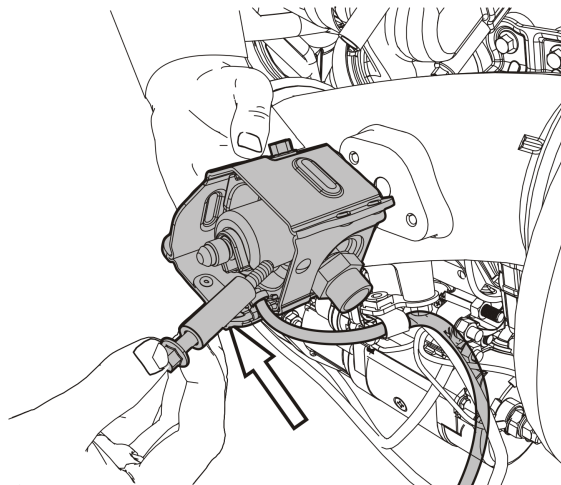
Install a new high-temperature gasket and steel plate gasket onto the bottom of the aftertreatment fuel injector.



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**3**

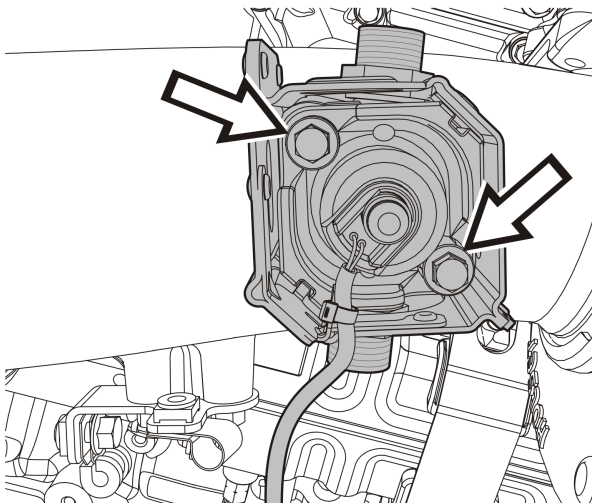
Apply high-temperature nickel-graphite anti-seize compound to the injector mounting bolt threads and insert the bolts into the spacers. Position the injector onto the diffuser pipe (which attaches to the turbocharger outlet) and hand start the bolts with spacers.



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**4**

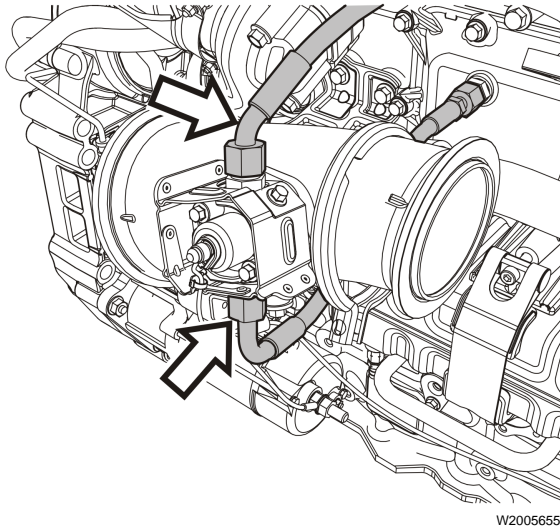
Secure the injector mounting bolts. Torque-tighten the bolts to specification.



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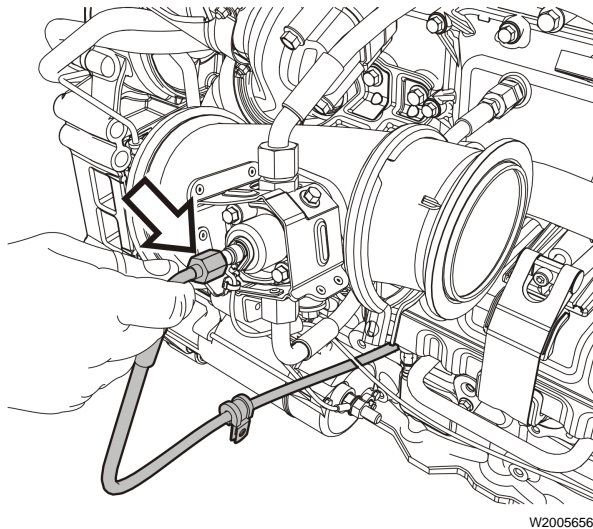
**5**

Reconnect the aftertreatment fuel injector wiring harness connector. Secure the injector wiring harness with clips and tie straps.



**6**

Reconnect both coolant lines to the aftertreatment fuel injector fittings and tighten to secure.



**7**

Connect the aftertreatment injector fuel supply line and tighten to secure. Install the clamp bracket and tighten the screw.

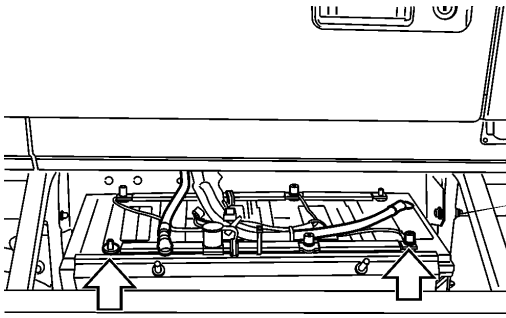
**8**

Fill the engine cooling system with the recommended coolant using the coolant extractor.

DBT2V700

**9**

Install the inner splash guard assembly.



**10**

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

**11**

Perform Aftertreatment Injector Adaptive Factor Reset with VCADS/Tech Tool.

**12**

Start the engine, check for leaks and proper operation. After shutdown, replenish fluids as necessary.