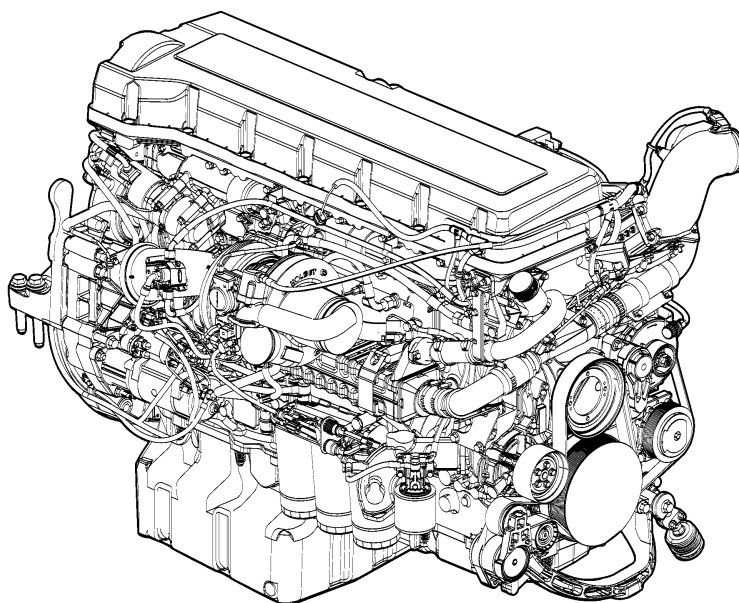


This Service Bulletin replaces SB 260-32, "Cooling System Service," dated (1.2007), publication no. PV776-20177193.

Date	Group	No.	Page
10.2007	<b>262</b>	<b>05</b>	1(6)

## Coolant Pump Replacement D16F

### Coolant Pump, Replacement



W2005772

This information covers service procedures for the coolant pump on a chassis with a Volvo D16F engine.

#### Contents

- "Special Tools" page 2
- "Coolant Pump, Replacement" page 3

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

## Tools

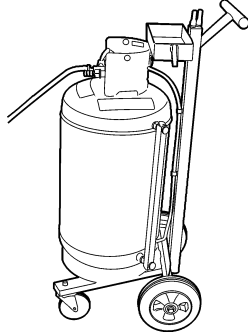
### Special Tools

For special tool ordering instructions, see tool information in group 08.



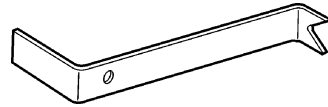
W0001795

**9996049**  
Coolant Drain Hose



W2004191

**DBT2V700**  
Coolant Extractor



W0001874

**J-44773**  
Air Line Release Tool

# Service Procedures

## 2621-03-02-01

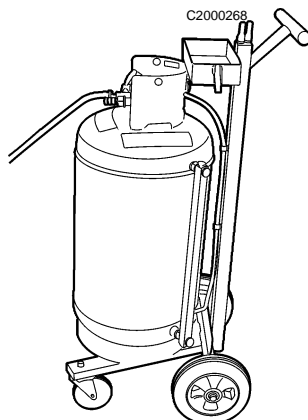
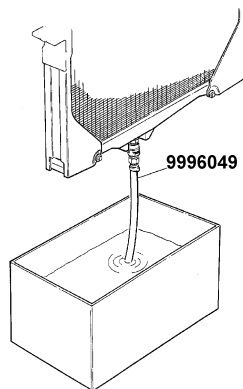
### Coolant Pump, Replacement

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

*Special tools: 9996049, DBT2V700, J-44773*

## Removal

- 1  
Raise the hood of the vehicle.
- 2  
Remove all cables from ground (negative) battery terminals to prevent personal injury from electrical shock.
- 3

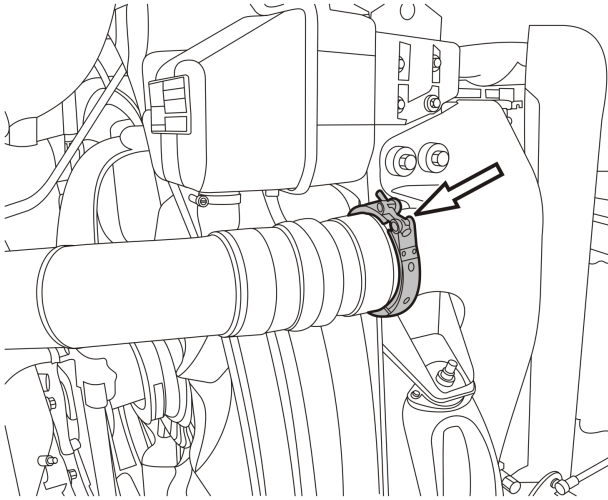


Drain the coolant into a suitable container using the drain hose. If available, use the coolant extractor.

9996049, DBT2V700

**4**

Loosen the clamps and remove the charge air cooler inlet pipe (between turbocharger and charge air cooler).



W2006040

**5**

Remove the fan clutch air line from the fan clutch hub using the air line release tool and position the line out of the way.

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J-44773

**6**

Pry the belt tensioner away from the fan and coolant pump drive belt and remove the belt.

**7**

Remove the tensioner pulley.

**8**

Remove the coolant pump pulley.

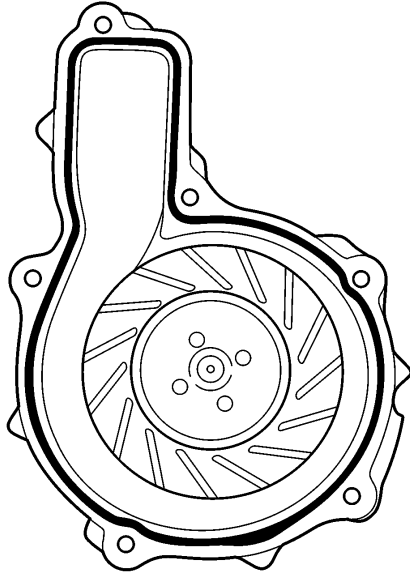
**9**

Remove the coolant pump bolts. Remove the coolant pump.

**10**

Clean the coolant pump sealing surface on the cylinder block.

## Installation



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- 1**  
Press a new sealing ring into the groove of the replacement coolant pump.

- 2**  
Position the replacement coolant pump on the cylinder block opening and align the bolt holes.

**Note:** Make sure the sealing ring remains seated in the groove of the pump.

- 3**  
Install the coolant pump bolts and tighten to  $48 \pm 8$  Nm ( $35 \pm 6$  ft-lb).

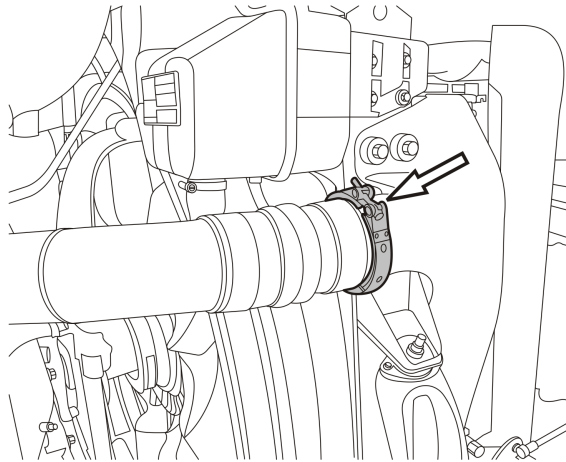
- 4**  
Transfer the pulley from the old coolant pump to the replacement coolant pump.

- 5**  
Install the tensioner pulley.

- 6**  
Position the fan and coolant pump drive belt over the coolant pump pulley, fan pulley, crankshaft pulley and idler pulley. Allow the automatic drive belt tensioner to tighten the drive belt.

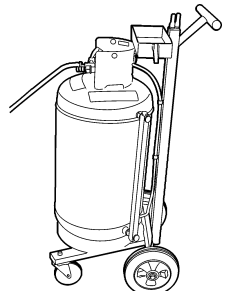
**Note:** Make sure the belt is properly routed and seated correctly in the pulley grooves. Refer to the belt routing decal on the fan shroud.

- 7**  
Install the fan clutch air line to the fan clutch hub.



W2006040

**8**  
Install the charge air inlet pipe (between turbocharger and charge air cooler) along with new clamps. Position the new clamps and tighten them to secure the pipe.



W2004191

**9**  
Fill the cooling system with the recommended coolant using the coolant extractor.

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DBT2V700

**10**  
Install all previously removed cables to the ground (negative) battery terminals.

**11**  
Start the engine, check for leaks and proper operation. After shutdown, replenish fluids as necessary.

**12**  
Close the hood when done.