

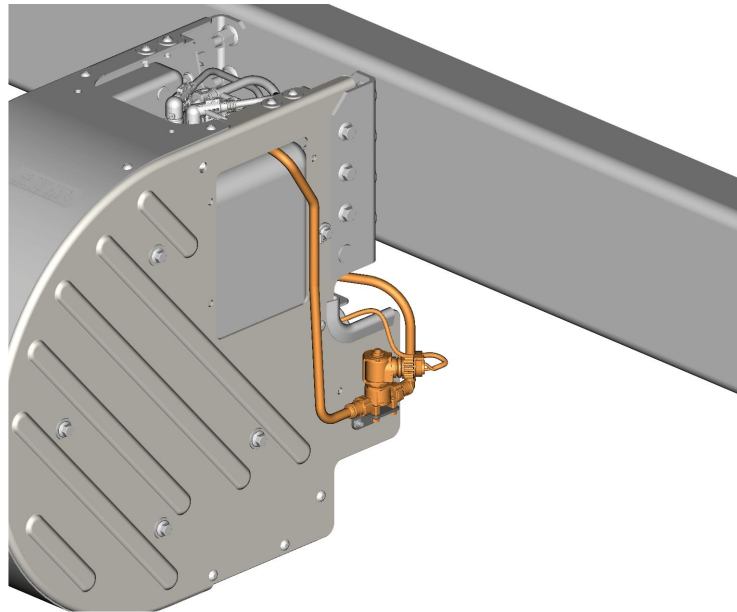


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Aftertreatment Diesel Exhaust Fluid (DEF) Tank Heater Valve, Replacement

CHU, CXU, GU, TD

Aftertreatment Diesel Exhaust Fluid (DEF) Tank Heater Valve, Replacement



W2055489

This information provides a procedure for replacing the DEF tank heater valve on conventional vehicles equipped with Mack US2010 emissions engines.

Content

- “Special Tools”, page 2
- “Aftertreatment Diesel Exhaust Fluid (DEF) Tank Heater Valve, Replacement”, page 3

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

Special Tools

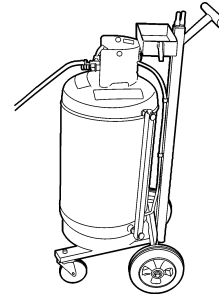
For special tools ordering information, refer to Tool Information, group 08.



W0001795

9996049

Coolant Drain Hose



W2004191

DBT2V700 or 85112740

Coolant Extractor

2589-03-02-07 Aftertreatment Diesel Exhaust Fluid (DEF) Tank Heater Valve, Replacement

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 parking brake and place shift lever in neutral.

2

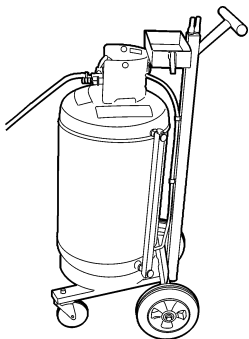
Remove all cables from ground (negative) battery terminals to prevent personal injury from electrical shock and prevent damage to electrical components.

3

If equipped, remove the side fairing covering the Diesel Exhaust Fluid (DEF) tank.

4

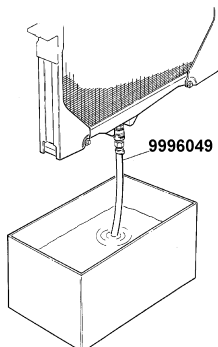
Use the coolant extractor to remove the coolant from the engine. An alternate method is to drain the coolant into a suitable container using the drain hose.



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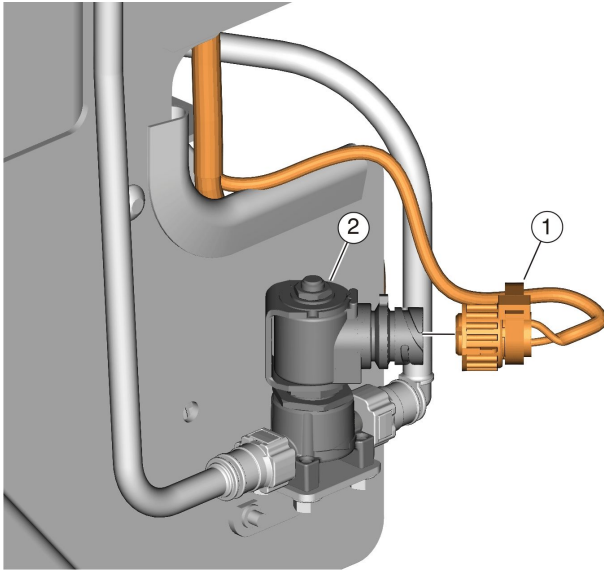
DANGER

Coolant is toxic; risk of poisoning. Do not drink coolant. Use proper hand protection when handling. Keep coolant out of reach of children and animals. Failure to follow these precautions can cause serious illness or death.



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DBT2V700, 85112740, 9996049



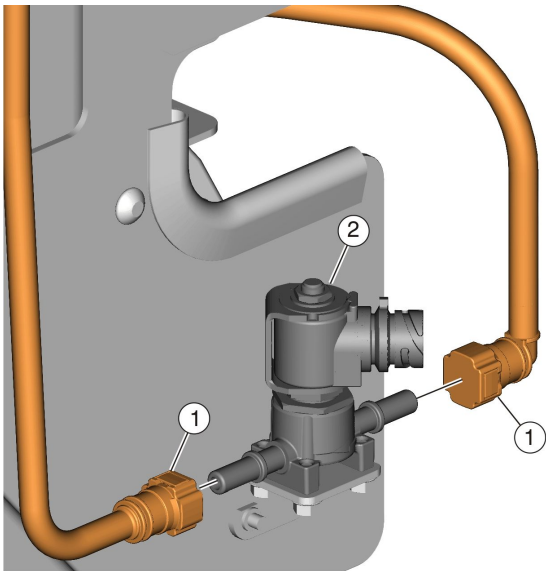
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5

Remove cable tie and disconnect the electrical harness from the valve.

1 Electrical Harness and Cable Tie

2 Valve



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6

Push the quick connect fitting coupling in the ON direction, squeeze the holding clip lugs on either side of the connector and pull to disconnect the coolant lines from the valve.

CAUTION

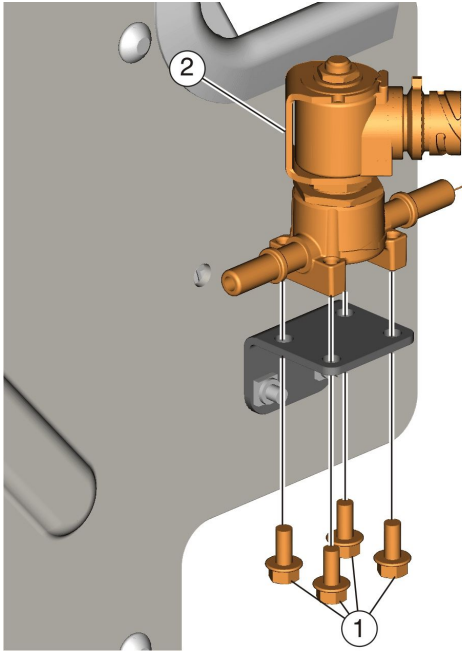
Do not use pliers or other tools to release the connector. Tools can damage the retention mechanism and prevent proper sealing when reinstalled. Connectors and lines damaged by improper removal will not be covered under warranty.

CAUTION

Do not clamp nylon coolant lines. Clamps will damage nylon lines.

1 Valve Coolant Lines

2 Valve

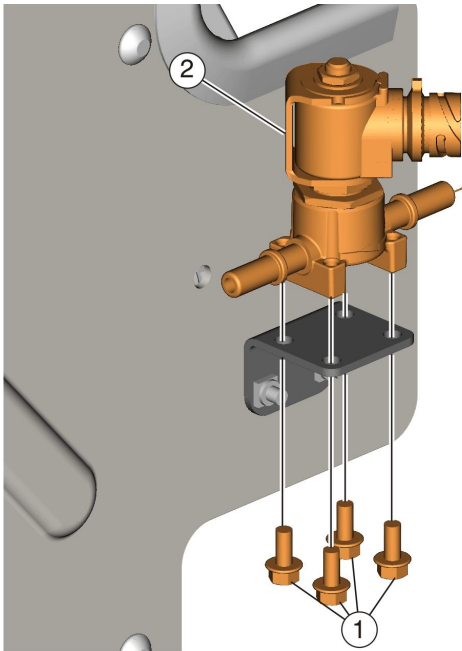


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- 1 Fasteners
- 2 Valve

7
Remove fasteners and valve from the mounting bracket.

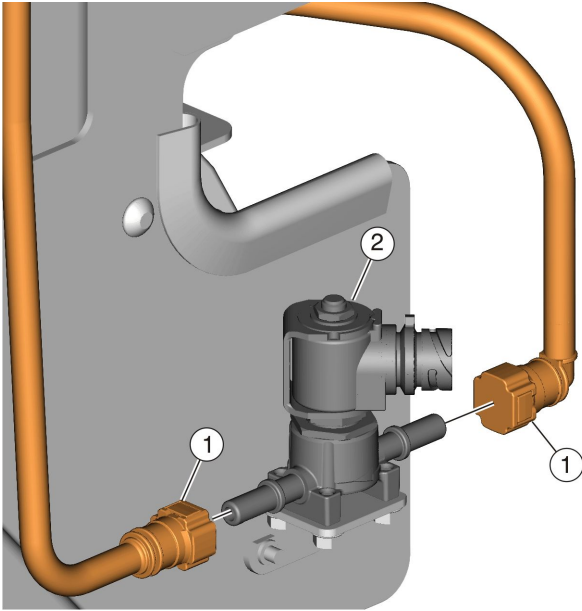
Installation



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- 1 Fasteners
- 2 Valve

1
Install the fasteners and valve on the mounting bracket.
Tighten fasteners to specification, see Group 20.



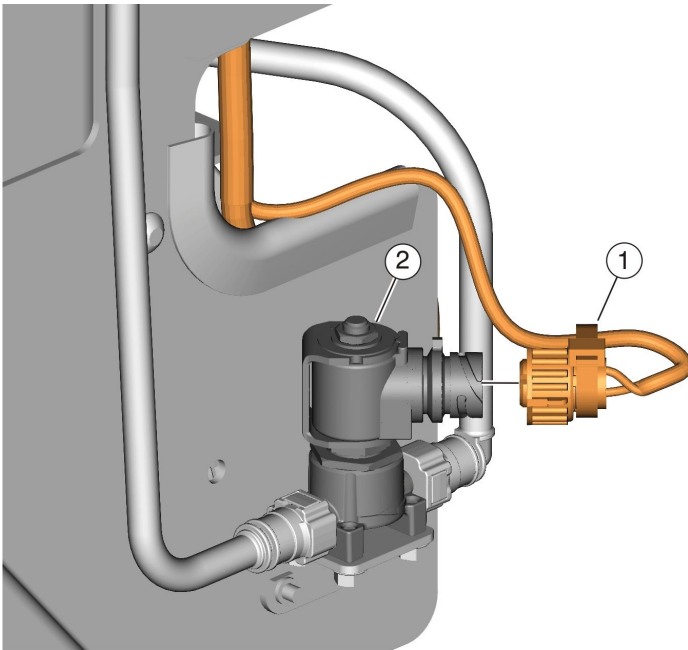
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1 Coolant Lines

2 Valve

2

Verify the connector is clean and shows no signs of damage. Push the fitting onto the valve until it stops to reconnect the coolant lines to the valve. Pull the fitting in the OFF direction to ensure the connector is locked in place.



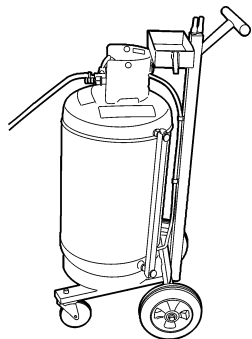
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1 Electrical Harness and Cable Tie

2 Valve

3

Connect the electrical harness to the valve and secure with cable tie.



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4

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

5

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

6

Start the engine and check for coolant leaks at the dosing valve. Run the DEF Tank Heating Valve Activation Test in VCADS to purge air from the coolant lines. Ensure coolant is at the correct level after test. Clear any codes as required. Replenish the engine coolant level as required.

7

Install the side fairing that covers the DEF tank.