

Component Procedures: Heater Hose

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Component Procedures: Heater Hose

Parts and Labor (itype_189)

Labor

Operation	Qualifier Path	Skill	Std Hrs	Wty Hrs
Remove & Replace	Heater > Heater Hose, R&R > Inlet	B	0.8	0.0
Remove & Replace	Heater > Heater Hose, R&R > Outlet	B	0.9	0.0
Remove & Replace	Heater > Heater Pipe, R&R	B	2.3	0.0

Heater Inlet Hose Replacement (LFX) (Article 12746)

Special Tools

J 38185 - Hose Clamp Pliers

Removal Procedure

- Drain the cooling system . Refer to Cooling System Draining and Filling .
- Disengage tension on the heater inlet hose clamp (1) at the engine using J 38185 - Hose Clamp Pliers . Click for full-size image
- Remove the heater inlet hose (2) from the engine.
- Disengage tension on the heater inlet hose clamp (1) at the heater core using J 38185 - Hose Clamp Pliers . Click for full-size image
- Remove the heater inlet hose (2) from the heater core.
- Remove the heater inlet hose from the vehicle.

Installation Procedure

- Install heater inlet hose to the vehicle.
- Install the heater inlet hose (2) to the heater core. Click for full-size image
- Engage tension on the heater inlet hose clamp (1) at the radiator using J 38185 - Hose Clamp Pliers .
- Install the heater inlet hose (2) to the engine. Click for full-size image
- Engage tension on the heater inlet hose clamp (1) at the engine using J 38185 - Hose Clamp Pliers .
- Fill the cooling system. Refer to Cooling System Draining and Filling .

Heater Core Inlet and Outlet Pipe Filter Replacement (LFX) (Article 12741)

Callout Component Name

Preliminary Procedures Drain the cooling system . Refer to Cooling System Draining and Filling . Remove the front intake manifold cover assembly. Refer to Intake Manifold Cover Replacement - Front . Remove the rear intake manifold cover assembly. Refer to Intake Manifold Cover Replacement - Rear .

Preliminary Procedures

- Drain the cooling system . Refer to Cooling System Draining and Filling .
 - Remove the front intake manifold cover assembly. Refer to Intake Manifold Cover Replacement - Front .
 - Remove the rear intake manifold cover assembly. Refer to Intake Manifold Cover Replacement - Rear .
- 1 Heater Inlet Hose Clamp Procedure Reposition the heater inlet hose clamp using the BO-38185 - hose clamp pliers . Special Tools BO-38185 - Hose Clamp Pliers For equivalent regional tools, refer to Special Tools .

Procedure

Reposition the heater inlet hose clamp using the BO-38185 - hose clamp pliers .

Special Tools

BO-38185 - Hose Clamp Pliers

2 Heater Inlet Hose Procedure Remove the heater inlet hose from the heater core inlet tube.

Remove the heater inlet hose from the heater core inlet tube.

3 Heater Core Filter Procedures Fill the cooling system to the proper level. Refer to Cooling System Draining and Filling . Inspect the cooling system for leaks.

Procedures

- Fill the cooling system to the proper level. Refer to Cooling System Draining and Filling .
- Inspect the cooling system for leaks.

Heater Outlet Hose Replacement (LFX) (Article 12748)

Special Tools

J 38185 - Hose Clamp Pliers

Removal Procedure

- Drain the cooling system . Refer to Cooling System Draining and Filling .
- Disengage tension on the heater outlet hose clamp (1) at the engine using J 38185 - Hose Clamp Pliers .

Click for full-size image

- Remove the heater outlet hose (2) from the engine.
- Disengage tension on the heater outlet hose clamp (1) at the heater core using J 38185 - Hose Clamp Pliers .

Click for full-size image

- Remove the heater outlet hose (2) from the heater core.
- Remove the heater outlet hose from the vehicle.

Installation Procedure

- Install heater inlet hose to the vehicle.
- Install the heater outlet hose (2) to the heater core. Click for full-size image
- Engage tension on the heater outlet hose clamp (1) at the radiator using J 38185 - Hose Clamp Pliers .
- Install the heater outlet hose (2) to the engine. Click for full-size image
- Engage tension on the heater outlet hose clamp (1) at the engine using J 38185 - Hose Clamp Pliers .
- Fill the cooling system. Refer to Cooling System Draining and Filling .

Heater Inlet and Outlet Pipe Replacement (LFX) (Article 11887)

Callout Component Name

Preliminary Procedure Partially drain the cooling system . Refer to Cooling System Draining and Filling .

Remove the rear intake manifold cover . Refer to Intake Manifold Cover Replacement - Rear Remove the radiator outlet pipe. Refer to Radiator Outlet Pipe Replacement . Remove the fuel pipe shield. Refer to Fuel Pipe Shield Replacement . Disconnect the heater inlet and outer hoses from the heater inlet and outlet pipe.

Preliminary Procedure

- Partially drain the cooling system . Refer to Cooling System Draining and Filling .
- Remove the rear intake manifold cover . Refer to Intake Manifold Cover Replacement - Rear
- Remove the radiator outlet pipe. Refer to Radiator Outlet Pipe Replacement .
- Remove the fuel pipe shield. Refer to Fuel Pipe Shield Replacement .
- Disconnect the heater inlet and outer hoses from the heater inlet and outlet pipe.

1 Heater Inlet and Outlet Pipe Fastener (M6) (Qty: 2) Caution: Refer to Fastener Caution . Tighten 10 Nm (89 lb in)

10 Nm (89 lb in)

2 Heater Inlet and Outlet Pipe Seal

3 Heater Inlet and Outlet Pipe Gasket

4 Heater Inlet and Outlet Pipe Fastener (M8) Tighten 22 Nm (16 lb ft)
22 Nm (16 lb ft)

5 Heater Inlet and Outlet Pipe Note: Install a NEW gasket and seal.