

INSTALLATION INSTRUCTIONS

SUBJECT: Lower Heater Core Return Hose for 2003-2012 Cummins

FPE-2025-149
August, 2026
Page 1 of 4

FITMENT: 2003-2012 5.9L and 6.7L Cummins Equipped Dodge Ram 2500/3500 Pickup Trucks

KIT P/N: FPE-CUMM-LHCL-0312

EST INSTALL TIME: 1 Hour

TOOLS REQUIRED: Pliers, 1/4" hex drive or socket, flathead screwdriver, 13MM socket

KIT CONTENTS:

Item #	Description	QTY
1	Lower heater core hose	1
2	Hose clamp	2

PART CROSS-REFERENCE:

FPE P/N	Replaces the following Mopar part numbers:
FPE-CUMM-LHCL-0312	68186700AA, 55056673AC, 55056965AA



WARNINGS:

- Use of this product may void or nullify the vehicle's factory warranty.
- User assumes sole responsibility for the safe & proper use of the vehicle at all times.
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PROCEDURE:

FPE-2025-149
August, 2026
Page 2 of 4

STEP 1: Park the vehicle on a level surface, then using a 13MM socket or wrench disconnect each of the negative battery terminals.



Figure 1: Negative battery terminal disconnected and isolated.

STEP 2: Drain the coolant from the cooling system.

Allow the engine to cool completely before moving forward with the rest of this installation.

Relieve pressure from the cooling system by placing a shop rag over the top of the radiator cap or the pressurized overflow cap, then slowly twist the cap counterclockwise. The shop rag will provide a layer of protection from any remaining heat or steam that may escape from the radiator during this process.



Figure 2A: Radiator cap.



Figure 2B: Coolant overflow bottle.

Once the cap is fully removed, locate the coolant drain on the driver's side of the radiator. Turn the knob counterclockwise (circled in figure) and allow the coolant to drain into a clean drain pan.



Figure 3: Radiator petcock circled.

STEP 3: Remove the lower heater core return hose.

Locate the lower heater core return hose in the engine bay located on the (left) passenger side of the engine on the top of the coolant standpipe. Loosen and remove the hose clamp from the lower hose at the firewall heater core connection and the top of the coolant standpipe.



Figure 4: Stock heater core return hose. Clamps highlighted with arrows.

STEP 4: Disconnect the lower heater core hose from the coolant standpipe and the firewall.



Figure 5: Removal of stock heater core return hose.

STEP 5: Install the new Fleece Performance heater core return hose.

Install the included hose clamps onto the hose. Connect the hose to the lower heater core port on the firewall and the coolant standpipe. Tighten the hose clamps using a $\frac{1}{4}$ " socket or flathead screwdriver.



Figure 6: Installation of new Fleece heater core hose.

STEP 6: Turn the radiator petcock clockwise to the closed position then re-fill the coolant system. Re-use or replace coolant as necessary to properly fill the system with clean fluid. Reinstall the radiator cap and ensure the cooling reservoir is at the correct level.



Figure 7: Radiator petcock circled.

STEP 7: Re-connect each negative battery terminal.

STEP 8: Start the truck and allow the engine to idle. Bring the engine to normal operating temperature and confirm that no leaks are present. Inspect all fittings and lines. Check the cooling reservoir once more and top off as needed.



Figure 8: Negative battery terminal reinstalled.