

INSTALLATION INSTRUCTIONS

SUBJECT: Lower Heater Return Hose for 2013-2024 Cummins

FPE-2025-150
August, 2026
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FITMENT: 2013-2024 5.9L 6.7L Cummins Equipped Dodge Ram 2500/3500 Pickup Trucks

KIT P/N: FPE-CUMM-LHCL-1324

EST INSTALL TIME: 1 Hour

TOOLS REQUIRED: Pliers, 1/4" hex drive or socket, flathead screwdriver, 3/8" Allen key, 10MM 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-1324	68297774AA, 68213155AD, 68322483AA



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.
- The purchaser and end user releases, indemnifies, discharges, and holds harmless Fleece Performance Engineering, Inc. from any and all claims, damages, causes of action, injuries, or expenses resulting from or relating to the use or installation of this product that is in violation of the terms and conditions on this page, the product disclaimer, and/or the product installation instructions. Fleece Performance Engineering, Inc. will not be liable for any direct, indirect, consequential, exemplary, punitive, statutory, or incidental damages or fines cause by the use or installation of this product.

INSTALLATION INSTRUCTIONS

PROCEDURE:

STEP 1: Park the vehicle on a level surface, then using a 10MM socket or wrench disconnect each of the negative battery terminals.

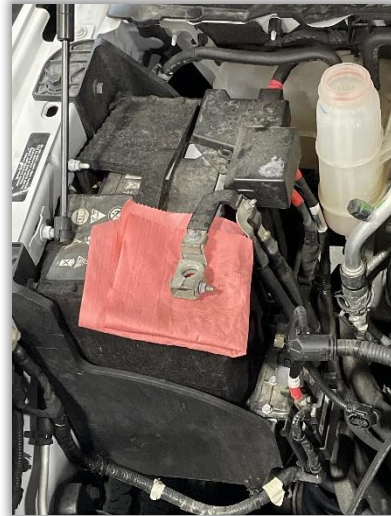


Figure 1: Use of shop towel to isolate negative terminal.

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 cooling reservoir 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 2: Coolant overflow cap.

Once the cap is fully removed, locate the coolant drain on the bottom of the radiator. Using a 3/8" Allen key, turn the knob counterclockwise (circled in Figure 3) and allow for the coolant to drain into a clean bucket or pail.

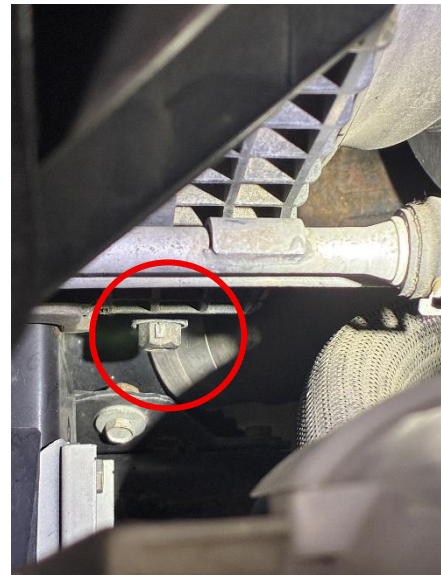


Figure 3: Radiator coolant drain turned to the open position.

STEP 3: Remove the lower heater core hose.

Locate the lower heater core return hose on the passenger side of the coolant riser. Using pliers, remove the clamp from the hose. Disconnect this end of the hose.

Trace the heater core return hose back toward the firewall. Using pliers, remove the hose clamp and remove the hose from the lower heater core port.

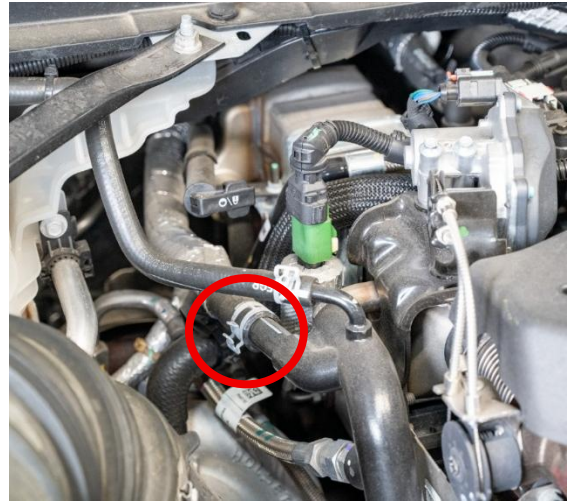


Figure 4: heater core return hose, circled at standpipe.

STEP 4: Install the included hose clamps onto the new Fleece Performance lower heater core return hose.

Connect the hose to the lower heater core port on the firewall and the coolant standpipe. Tighten the hose clamps using a ¼" socket or flathead screwdriver.



Figure 5: Installation of New Fleece Performance lower heater hose.

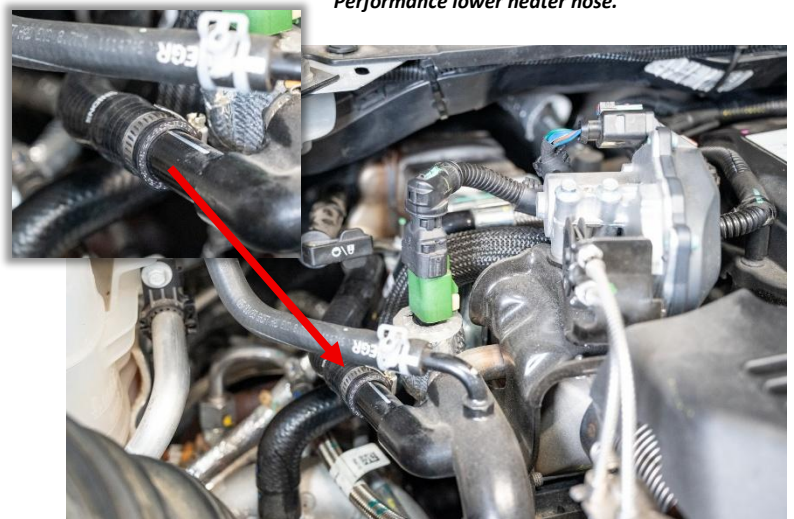


Figure 6: Included clamp installed at coolant standpipe.

STEP 5: Using a 3/8" Allen key, 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. Ensure the cooling reservoir is at the correct level then reinstall the reservoir cap.



Figure 7: Coolant drain turned to close position.

STEP 6: Re-connect each negative battery terminal.

STEP 7: 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.

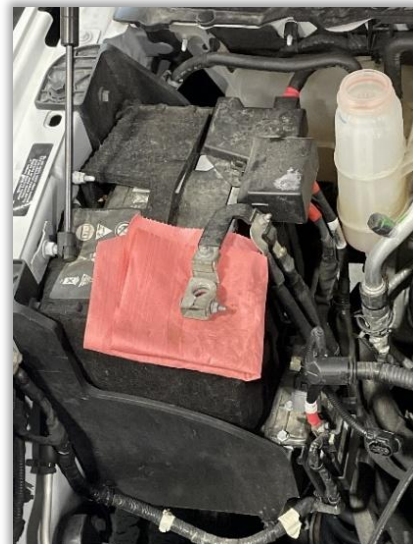


Figure 8: Reconnect negative battery terminals.