INSTALLATION INSTRUCTIONS

SUBJECT: Heater Feed and Return Hose Kit for 1998.5-2002 Cummins

FITMENT: 1998.5-2002 5.9L 24V Cummins Equipped Dodge Ram 2500/3500 Pickup Trucks
KIT P/N: FPE-CUMM-HCL-KIT-9902

EST INSTALL TIME: 1 Hour

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

KIT CONTENTS:

Item #	Description	QTY
1	Heater core hose	2
2	Hose clamp	4

PART CROSS-REFERENCE:

FPE P/N	Replaces the following Mopar part numbers:
FPE-CUMM-HCL-KIT-9902	55036506AB

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.

PROCEDURE:

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

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, 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: Radiator cap and cooling reservoir at right.

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 heater core hoses.

Locate the two hoses running from the heater core to the coolant standpipe and the fitting on the cylinder head. Remove the clamps from both hoses using pliers or a screwdriver. Remove the hoses.

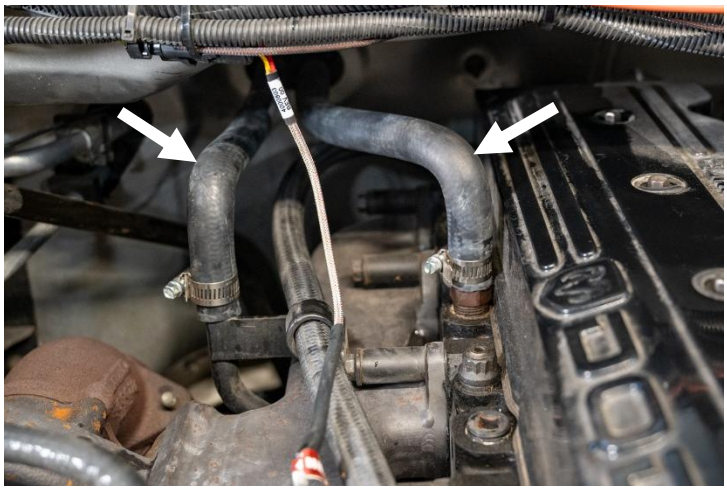

Figure 4: Stock heater core lines, highlighted with arrows.

STEP 4: Test fit the new Fleece Performance heater core hoses.

Install them onto the fittings in the orientation shown at right. The passenger side heater core connection will route to the standpipe on the passenger side of the engine. The driver side heater core connection will route to the fitting on the cylinder head. Ensure that the lines are not bowing, drooping, or kinking.

If the hoses require trimming, use a hose cutting tool to trim the hoses to the appropriate length. Test fit the hoses again to ensure proper fitment.

*NOTE: **DO NOT** use a utility knife to trim the hose as this can result in tearing on the hose end.*

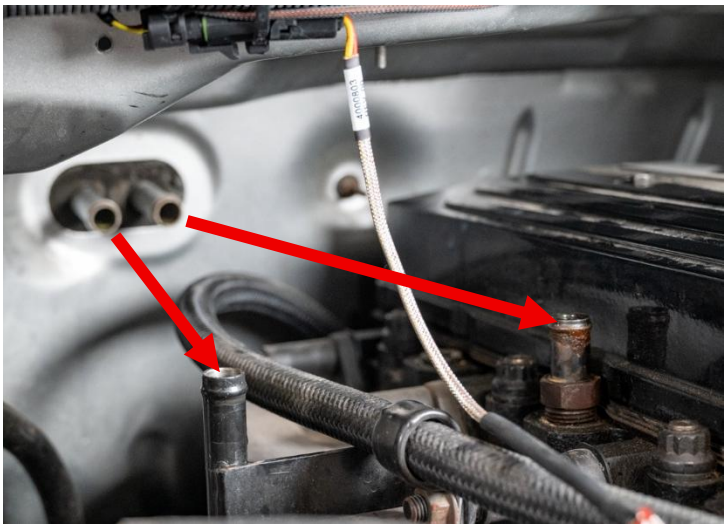

Figure 5: Stock heater core lines removed, red arrows demonstrating the orientation of which the new Fleece heater core hoses should be installed.

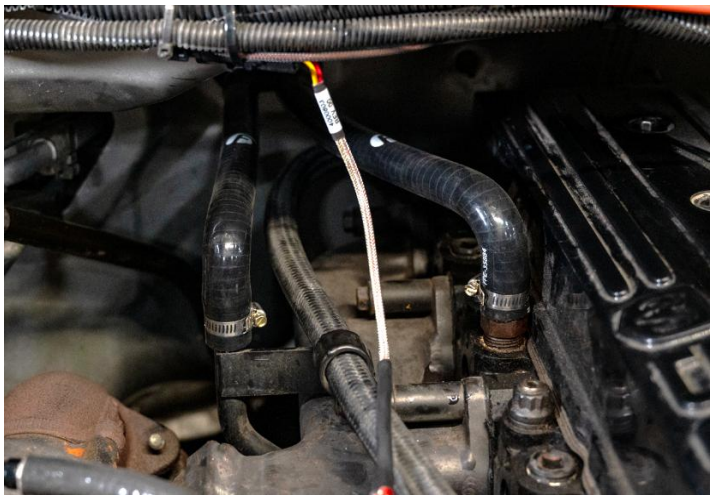

Figure 6: New Fleece heater core lines installed, supplied hose clamps installed.

STEP 5: Install the new Fleece heater core hoses.

With the hoses properly fitted, install the hose clamps onto both ends of each hose. Connect the hose ends to the heater core, standpipe, and cylinder head fitting. Tighten the hose clamps using a flathead screwdriver or ¼" socket.

Figure 7: Radiator petcock circled.

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 8: Radiator cap and cooling reservoir at right.

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.

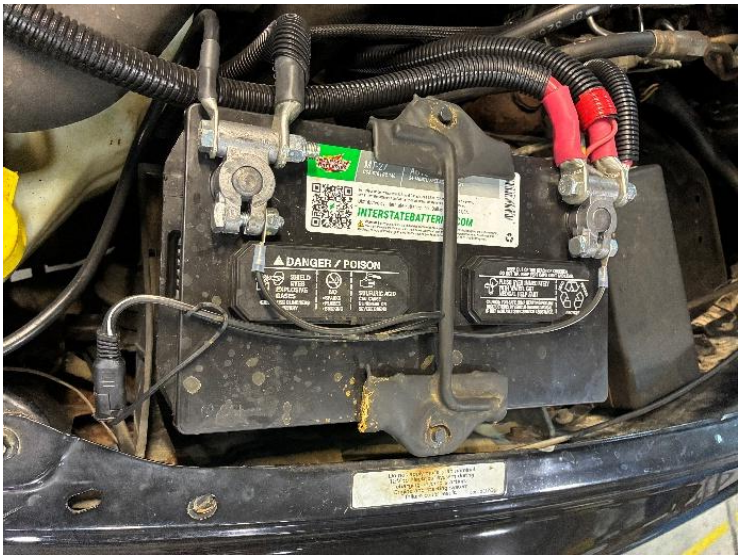

Figure 9: Negative battery terminal reinstalled.