

INSTALLATION INSTRUCTIONS

SUBJECT: 2013-2018 6.7L Cummins Coolant Tank

FPE-2019-29
June 2023

FITMENT: 2013-2018 6.7L Dodge Cummins

KIT P/N: FPE-34235

ESTIMATED INSTALLATION TIME: 1-2 hours

NOTE: This kit was updated with additional hardware beginning in June, 2023. Your kit may not contain all of the parts that are listed in this instruction document. Depending upon your vehicle configuration, not all parts provided will be utilized.

KIT CONTENTS:

Item	Description	Qty
1	Coolant tank	1
2	¾" Coolant hose	1
3	3/8" Coolant hose	1
4	Overflow vent hose	1
5	-12AN to 7/8"-14 straight male with O-ring	1
6	-10AN to 7/8"-14 straight male with O-ring	1
7	-6AN to 7/8"-14 straight male with O-ring	2
8	-6AN 120 deg to hose barb fitting	1
9	-6AN 90 deg to hose barb fitting	2
10	-10AN 90 deg to hose barb fitting	1
11	-12AN 90 deg to hose barb fitting	1
12	M10 mounting bolts and nuts	2
13	M6 mounting bolt and nut	1
14	Coolant level sensor	1
15	7/8"-14 Hex socket plug	2
16	Hose clamps	3



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.

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PROCEDURE:

STEP 1: Drain the engine coolant.

STEP 2: Remove the passenger side inner fender well to allow for access to the bottom of the battery tray and factory coolant tank.

STEP 3: Disconnect the coolant level sensor. Remove the factory coolant tank, upper coolant hose that routes to the coolant riser pipe banjo fitting, and lower hose assembly.

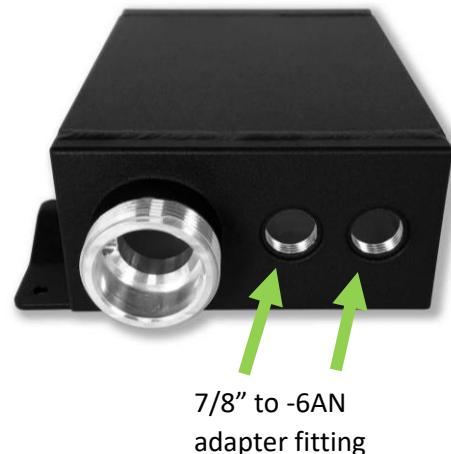
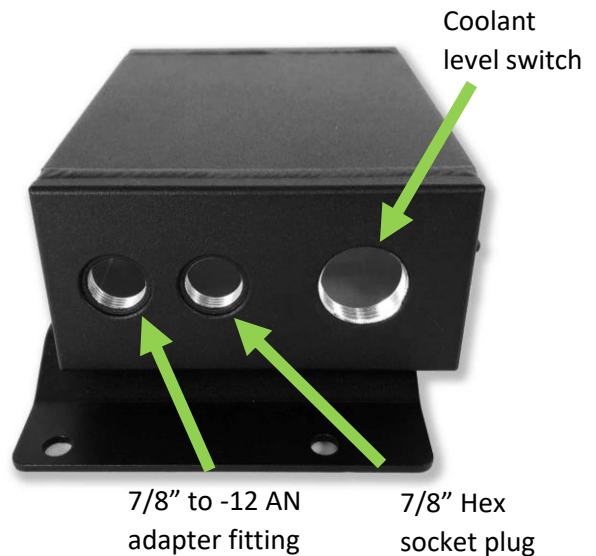
STEP 4: Remove the heat wrap from the lower coolant hose, this will be re-used on the new hose provided in the kit. Image at right shows the original coolant tank and lower coolant line with heat wrap removed.



STEP 5: Install fittings and plugs as needed for your installation.

NOTE: *Not all fittings and components provided in the kit will be used in the installation. Installations will vary - the following instructions are provided for a stock tank replacement configuration.*

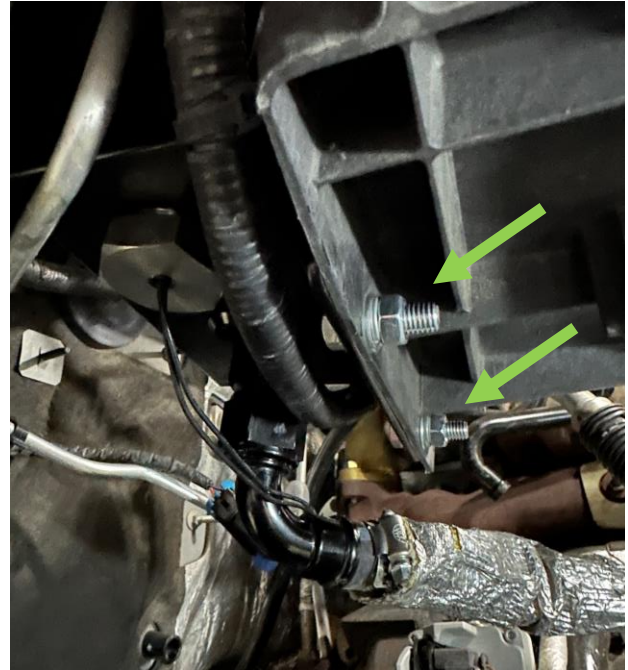
- Install the -12AN to 7/8"-14 fitting on the bottom outside port.
- Install a 7/8"-14 hex socket plug into the bottom center port.
- Install the low coolant level switch into the bottom right port.
- Install the two, -6AN to 7/8"-14 fittings into the top ports.



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STEP 6: With all fittings installed into the tank, install the tank onto the battery box using the included mounting hardware. The coolant tank will use existing holes that are located on the battery box for mounting.

- Use the two M10 bolts and nuts to secure the lower flange of the coolant tank to the bottom side of the battery box.
- Use the one M6 bolt and nut to secure the upper flange of the coolant tank to the battery box.



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STEP 7: Using the 3/8" hose included with the kit, slide one end onto the banjo fitting on the top of the coolant riser pipe. Secure the hose to the fitting with an included hose clamp. On the other end of the 3/8" hose, insert one of the pushlock 90 degree -6AN fittings.



STEP 8: Connect the 90 degree -6AN fitting and hose that routes to the coolant riser pipe to the right side -6AN fitting on the coolant tank.



STEP 9: Using the -6AN 90 deg pushlock fitting included in the kit, attach this to the degas line that was disconnected from the OE coolant tank. It may be necessary to trim a small amount of hose to achieve a uniform routing along the left side of the tank.



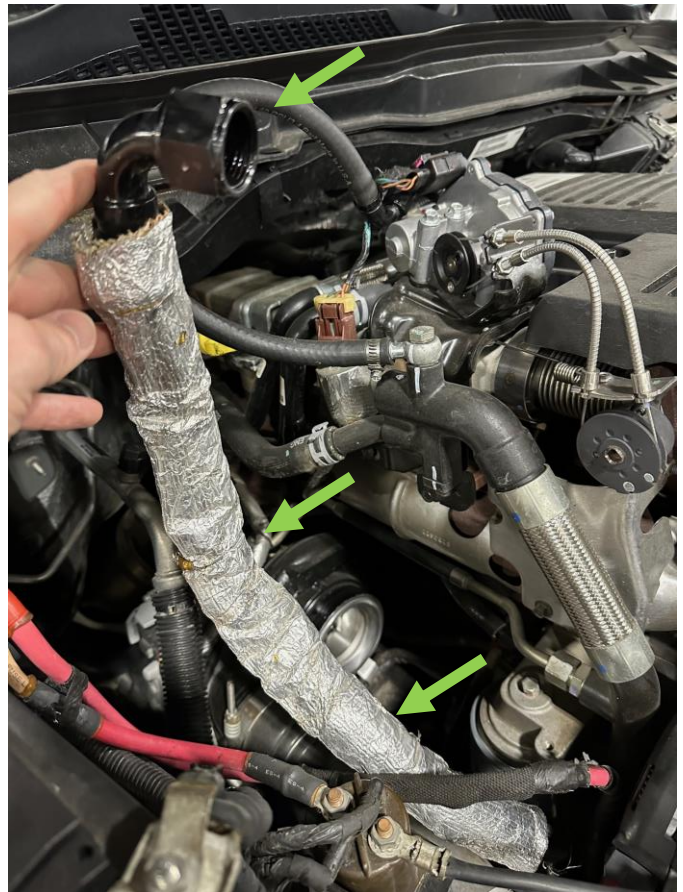
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STEP 10: Install the overflow vent hose onto the tank and route it down along the left side of the tank.



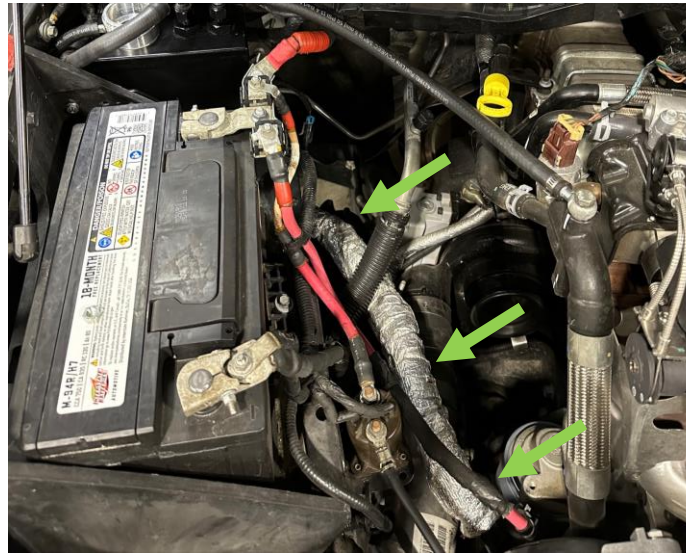
STEP 11: Install the -12AN 90 degree fitting onto one end of the new 3/4" heater hose included in the kit. Secure the hose to the fitting with one of the hose clamps included in the kit. Slide the heat wrap removed from the OE coolant hose over the new 3/4" hose.

Attach the open end of the hose to the lower coolant riser connection that was previously disconnected during the OE tank removal. Secure the hose to the fitting with a new hose clamp.



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STEP 12: Route the coolant hose and secure it with zip ties to prevent it from making contact with any hot or rotating components.



STEP 13: Connect the -12AN 90 deg fitting on the end of the coolant hose to the -12AN connection on the coolant tank.



STEP 14: Connect the coolant level sensor to the factory harness that was disconnected during removal of the OE tank.

STEP 15: Lubricate the O-ring on the inside of the coolant cap with clean coolant and install the cap.

STEP 16: Refill the system with clean coolant. Bring the engine to temperature and inspect for leaks. After verifying that no leaks are present, re-install the inner fender well.