INSTALLATION INSTRUCTIONS

SUBJECT: UNDER BED FUEL FILTER ASSEMBLY FOR 2019-2024 RAM 2500/3500

FITMENT: 2019-2024 RAM 2500/3500 with 6.7L Cummins (pickup models only)

KIT P/N: FPE-CUMM-UBFA-1924

INSTALL TIME: 30 minutes

TOOLS REQUIRED: Flat blade screwdriver, 13mm socket or wrench

KIT CONTENTS:

Item	Description	Qty
1	Fuel filter base assembly	1
2	Donaldson fuel filter P551329	1
3	Water-in-fuel sensor w/ water drain	1
4	M8-1.25 x 20mm bolts	2
5	Water-in-fuel adapter harness	1

APPLICATION NOTES:

This kit is a direct replacement for MOPAR 68358393AA

WARNINGS:

- 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 flat and level surface. Disconnect the batteries.

STEP 2: Locate the under-bed fuel filter assembly. Place a clean bucket or drain pan underneath the filter assembly and twist the drain knob counterclockwise as shown at right to drain the fuel from the filter assembly.

STEP 3: Disconnect the chassis harness connector for the water-in-fuel (WIF) sensor. To remove, disengage the red locking tab by pulling it towards the front of the vehicle. Depress the retainer on the connector, then disconnect it from the filter assembly.

STEP 4: Disengage the locking tabs on the two quick-disconnect fuel lines. The two fittings are located on the top of the passenger side of the fuel filter assembly. See the descriptions below for the removal of each QD fitting.

LOCKING TAB #1 – This lock is white or gray in color. To disengage the locking tab, spread the two tabs outwards from the center of the fitting. With the tabs spread, push the ends of the tabs inwards towards the middle of the fitting (towards the right in the image shown. Pull the fitting from the filter housing to disconnect.
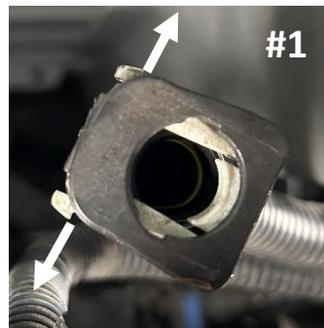
LOCKING TAB #2 – This lock is blue in color. To disengage the locking tab, spread the two protruding tabs outwards from the fitting, then push the locking tabs toward the middle of the fitting (towards the left in the image shown). With the tab in the unlocked position, squeeze the push button (shown on the right side of the fitting). Push the fitting towards the filter assembly to release tension on the lock, then pull the fitting away to disengage.
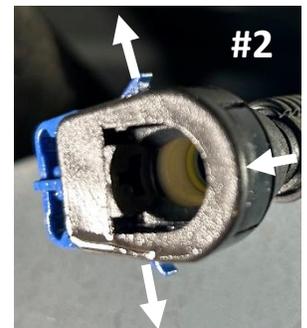
STEP 5: Remove the two nuts retaining the filter assembly to the mounting bracket using a 13mm socket or wrench. The nuts are located on the rear-facing side of the filter assembly mounting bracket.

STEP 6: Install the Fleece Performance fuel filter base onto the mounting bracket, utilizing the two included M8-1.25 bolts. Using a 13mm socket or wrench, install the bolts through the mounting bracket and into the filter base assembly. Torque the bolts to 10 ft-lb.

STEP 7: Connect the quick disconnect fuel line fittings to the adapter fittings on the Fleece Performance filter base. Once the fittings are connected, engage the locking tabs by pressing them into the fittings until seated.

NOTE: The fitting with the white locking tab will need to be installed with the tab pressed halfway into its locked position. Once the fitting is connected, fully seat the tab into the fitting. See image at right.
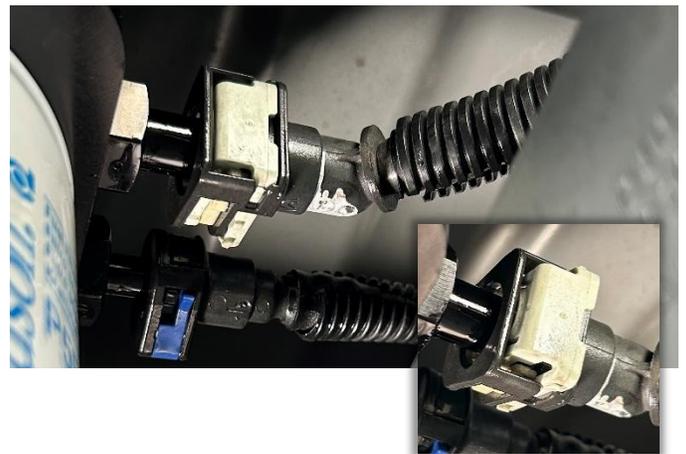
STEP 8: Lubricate the square-cut O-ring included with the fuel filter with fresh fuel and install it onto the snout on the underside of the filter base as shown at right.

STEP 9: Remove the water drain adapter pre-installed on the bottom of the included Donaldson fuel filter. Turn the adapter counterclockwise to remove. Install the included water-in-fuel (WIF) sensor and water drain onto the bottom of the filter. Turn the WIF sensor clockwise until tight.

STEP 10: Lubricate the sealing O-ring on the fuel filter with fresh fuel. Install the filter onto the filter base. Twist the filter clockwise until tight.

STEP 11: Connect the WIF sensor extension harness to the truck-side connector and the WIF sensor on the bottom of the fuel filter.

STEP 12: Connect the batteries. Prime the fuel system by cycling the ignition to the "on" position (without starting the vehicle) and wait for 5-6 seconds. Cycle the ignition to the "off" position. Repeat this process 2-3 times, then start the vehicle. Check for fuel leaks.