

INSTALLATION INSTRUCTIONS

SUBJECT: ENGINE MOUNTED FILTER ASSEMBLY FOR 6.7L FORD POWERSTROKE

FPE-2023-104
February, 2024
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FITMENT: 2011-2024 6.7L Powerstroke equipped Ford F-250/350/450/550 Trucks

KIT P/N: FPE-FMC-UHFA-1123

EST INSTALL TIME: 15 minutes

TOOLS REQUIRED (2017+ TRUCKS ONLY): 3/8" Allen wrench, 7/8" wrench

KIT CONTENTS:

Item	Description	Qty
1	Under hood filter base	1
2	Donaldson filter #555095	2
3	1/2" Quick Disconnect. Part No. FPE-34781-A (pre-installed)	1
4	12mm Quick Disconnect. Part No. FPE-34550-A (pre-installed)	1
5	-8AN Hex Socket Plug. Part No. FPE-SP-3416 (pre-installed)	1
6	Fuel Filter Adapter Fitting – M16x1.5. Part No. FPE-FF-M16-ADPT (pre-installed)	1
7	5/16" Quick Disconnect to 3/4-16 O-ring. Part No. FPE-34552-A (for use with 2017+ model trucks only)	1



APPLICATION NOTES:

- Replaces the under hood factory filter in Motorcraft Kits FD-4615 and FD-4625AA that contain manufacturer part numbers HC3Z9N184C and BC3Z9N184B.
- This product fits 2011-2024 trucks equipped with an S&S DCR Conversion kit or the S&S Disaster Prevention Kit.

IMPORTANT NOTICES FOR CALIFORNIA RESIDENTS:

For California customers: An E.O. identification label is required for Smog Check inspection. The E.O. identification label included with this kit MUST be placed in the engine compartment so that smog check technicians can verify the E.O. number.

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.

MY 2011-2016 PROCEDURE:

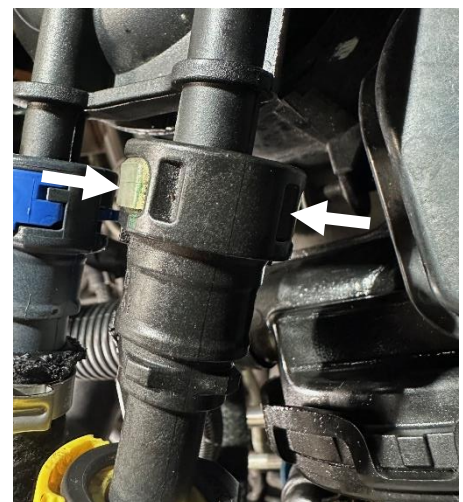
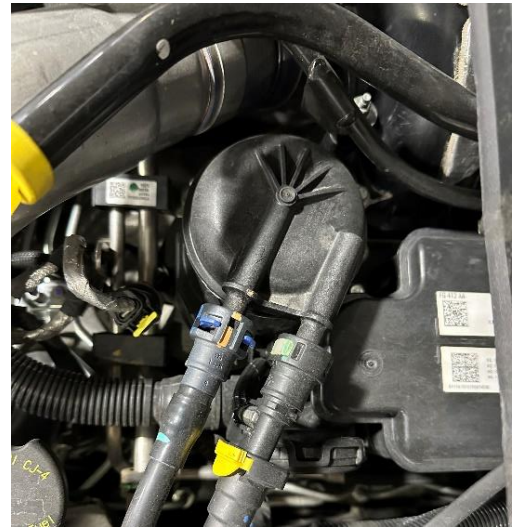
STEP 1: Ensure that the vehicle is parked on a flat and level surface. Open the hood of the truck.

STEP 2: Place a rag below the fuel lines to catch any residual fuel in the lines. Disconnect both fuel lines from the top of the filter housing.

STEP 2.1: Remove the fuel output line first. This will be the left side quick disconnect with a blue locking tab. To release the blue locking tab, press both sides of the locking tab in the opposite direction of the filter housing and then into the fitting to release the tab.

STEP 2.2: Remove the fuel inlet line next. This will be the right side quick disconnect with a clear or gray locking tab. To remove it, firmly squeeze the tabs on either side of the fitting and pull the fitting away from the filter housing.

NOTE: Use caution when disconnecting this connector as the T-fitting is prone to becoming brittle over time.



MY 2011-2016 PROCEDURE CONTINUED:

STEP 3: With the lines completely disconnected and clear of the fuel filter, remove the filter from the mounting canister by rotating it counterclockwise and lifting it upward.



STEP 4: Donaldson filter installation.

1. Lubricate the threads of the filter head with clean oil or fuel.
2. Apply a thin film of clean motor oil or fuel to the gasket of the filter.
3. Align the threads and spin the filter clockwise until gasket contact.
4. Hand tighten the filter per the guidance recommendations on the filter. Do not over-tighten.



STEP 5: Install the new Fleece Performance filter assembly into the filter mounting canister on the engine. Make note of the alignment dowel on the new filter assembly and the locking tab position in the mounting canister. Align the locking tab and rotate the assembly clockwise into the housing.



STEP 6: Reconnect the fuel line quick disconnect fittings and engage the locking tab on the fuel output hose by pressing the locking tab downward into the connector body. Confirm the connection is secure by gently pulling on each the line to ensure it is secure.

STEP 7: Turn the ignition key to the ON position to allow the fuel pump to operate. Verify that no leaks are present.



MY 2017+ PROCEDURE:

STEP 1: Ensure that the vehicle is parked on a flat and level surface. Open the hood of the truck.

STEP 2: Place a rag below the fuel lines to catch any residual fuel in the lines. Disconnect the fuel lines from the top of the filter housing in the order shown at right.

NOTE: On 2017+ model year trucks, several types of quick disconnect fittings have been used by Ford. Refer to the guide below for instructions on how to remove the QD fittings present on your vehicle.

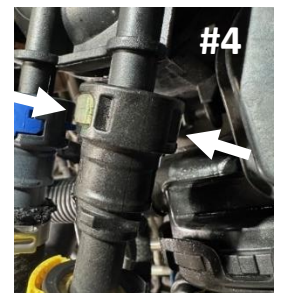
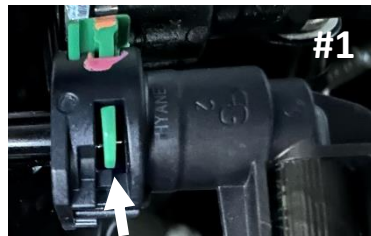
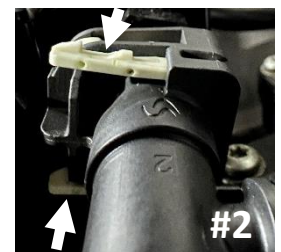
QUICK DISCONNECT REMOVAL GUIDE

STYLE #1 – LOCKING TABS: This fitting can be either green or blue in color. To release, pull the two tabs away from the filter housing and push the tabs inward towards the center of the fitting. See images labeled #1 at right.

STYLE #2 – SQUEEZE TABS: This fitting will be gray, red, or white in color. To release, squeeze the tabs together and push them inward towards the center of the fitting. See images labeled #2 at right.

STYLE #3 – LIFT TAB: This fitting will be red or orange in color. To release, lift the tab away from the fitting. Once the tab is lifted, squeeze the buttons on both sides of the fitting. Push the fitting toward the filter then pull away to remove. See images labeled #3 at right.

STYLE #4 – PUSH BUTTON: This fitting can either be gray or blue in color. To release, firmly press both buttons and push the fitting towards the filter housing to release the retainer. While still pressing the buttons, pull the fitting away from the filter housing to remove. See image labeled #4 at right.



MY 2017+ PROCEDURE CONTINUED

STEP 3: With the lines completely disconnected and clear of the fuel filter, remove the filter from the mounting canister by rotating it counterclockwise and lifting it upward.

STEP 4: Remove the pre-installed O-ring hex plug from the filter head using a 3/8" Allen. Install the included 5/16" quick disconnect fitting into the additional return fuel port as shown at right. Torque fitting to 22 ft-lbs.



STEP 4: Donaldson filter installation.

1. Lubricate the threads of the filter head with clean oil or fuel.
2. Apply a thin film of clean motor oil or fuel to the gasket of the filter.
3. Align the threads and spin the filter clockwise until gasket contact.
4. Hand tighten the filter per the guidance recommendations on the filter. Do not over-tighten.



STEP 5: Install the new Fleece Performance filter assembly into the filter mounting canister. Make note of the alignment dowel on the new filter assembly and the position in the mounting canister. Align the locking tab and rotate the assembly clockwise into the housing.



MY 2017-2023 PROCEDURE CONTINUED:

STEP 6: Reconnect the fuel line quick disconnect fittings and engage the locking tabs on each connector body by pressing the locking tab downward into the connector body. Confirm the connection is secure by gently pulling on each the line to ensure it is secure.

STEP 7: Turn the ignition key to the on position to allow the fuel pump to operate. Verify that no leaks are present.

