

## INSTALLATION INSTRUCTIONS

### SUBJECT: FUEL HEATER FOR 2011-2016 FORD POWERSTROKE

FPE-2024-119  
March, 2024  
Page 1 of 5

**FITMENT:** 2011-2016 Ford F250/350 with 6.7L Powerstroke

**KIT P/N:** FPE-FH-FMC

**INSTALL TIME:** 30 minutes

**TOOLS REQUIRED:** 4mm allen wrench

#### KIT CONTENTS:

Item	Description	Qty
1	Fuel heater	1
2	Fuel heater electrical harness	1
3	Zip ties (not pictured)	6



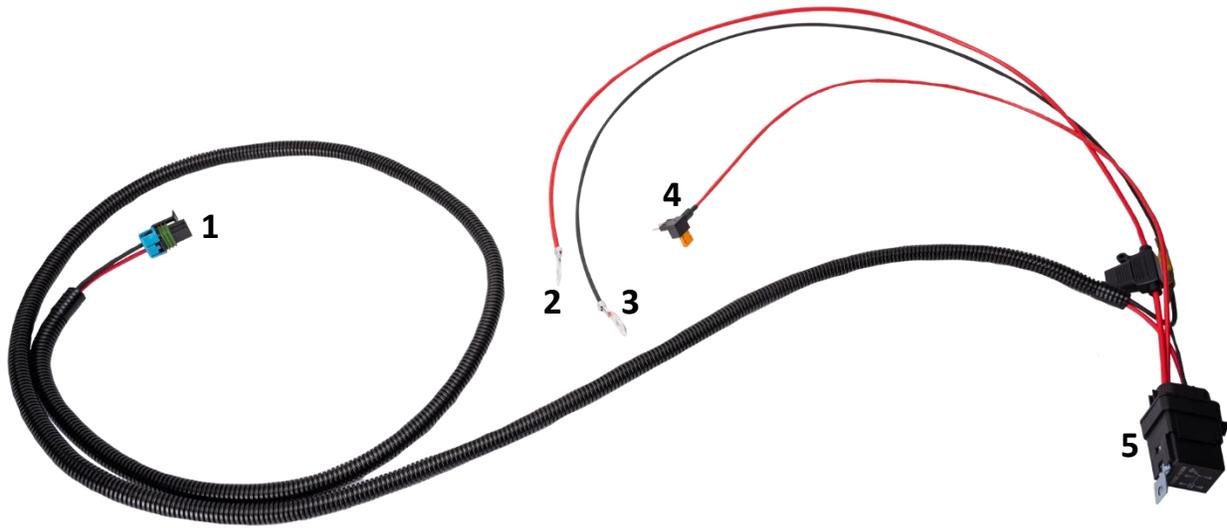
#### APPLICATION NOTES:

- This kit is designed only for use with a Fleece Performance PowerFlo® lift pump and fuel system upgrade kit.

#### 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.

## FUEL HEATER HARNESS CONNECTIONS



1. Fuel heater connector – Routed through engine bay and along frame rail to fuel filter assembly. Plugged into fuel heater.
2. Positive battery terminal connection
3. Negative battery terminal connection
4. Fuse tap – Routed into fuse box and plugged into fuse location #55 (see diagram on page 4)
5. Fuel heater relay – mounted to firewall near fuse box.

### PROCEDURE:

**STEP 1:** Park the vehicle on a flat and level surface.

**STEP 2:** Locate the block off plate on the forward-facing side of the fuel filter assembly. Remove the two screws using a 4mm allen wrench. Use a drain pan and rag to contain any fuel that may spill out. Remove the block off plate.

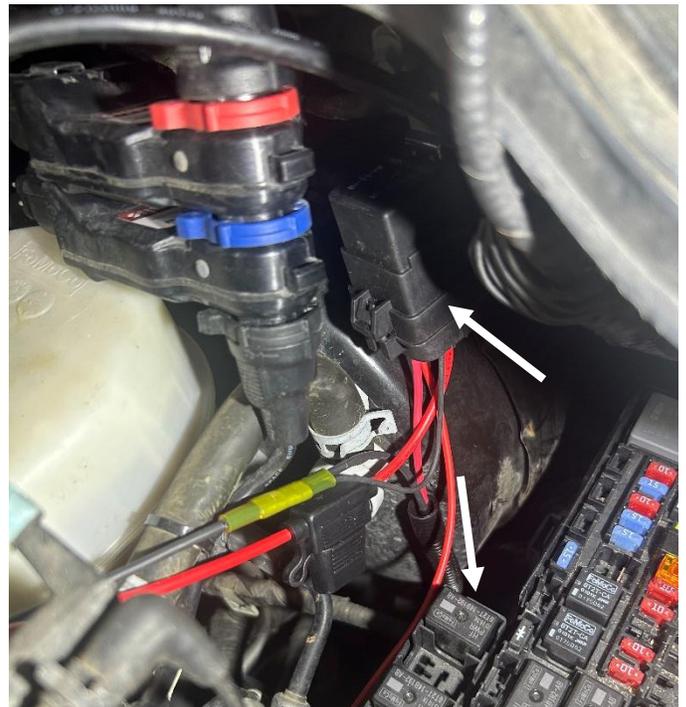
*NOTE: The two screws from the block off plate will be reused to install the fuel heater.*



**STEP 3:** Install the fuel heater into the port where the block off plate was removed. Reinstall the screws using a 4mm allen wrench.



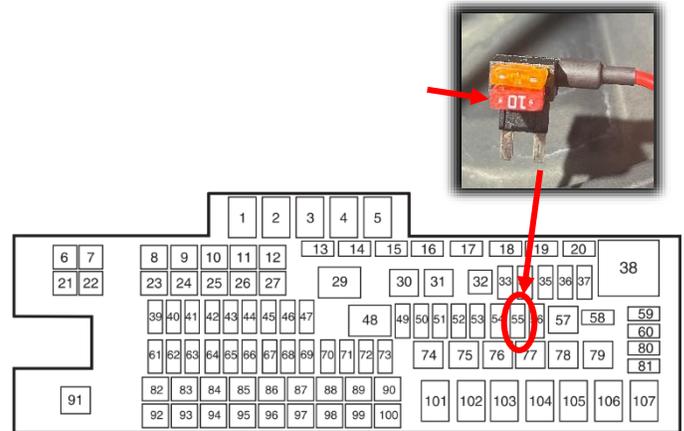
**STEP 4:** Route the fuel heater connector through the rear of the engine bay and down towards the driver's side frame rail. Retain the fuel heater relay to the firewall using either a zip tie or bolt if available.



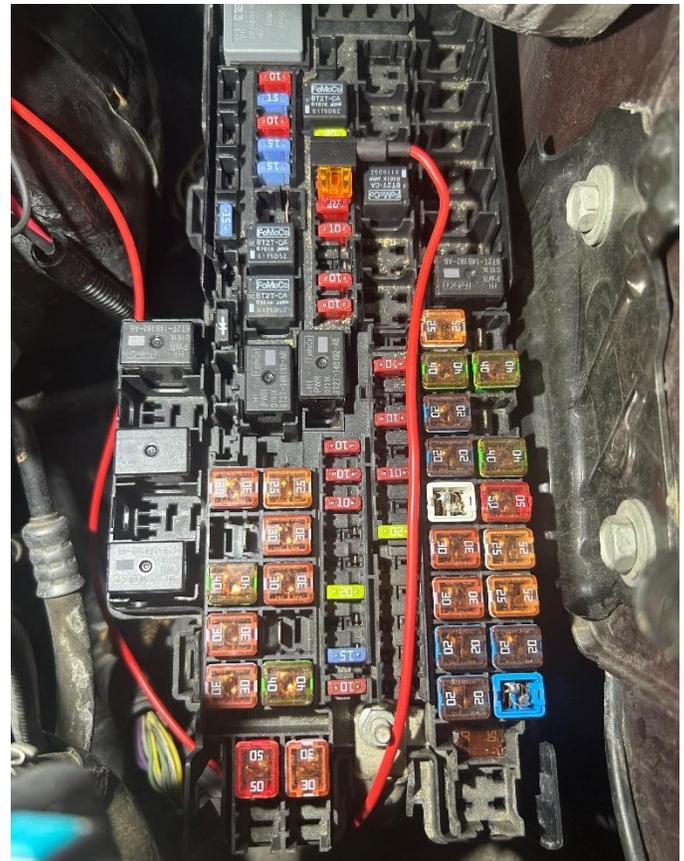
**STEP 5:** Connect the positive and negative battery terminals from the harness onto the driver's side battery. Route the wires as shown at right using zip ties to retain them.



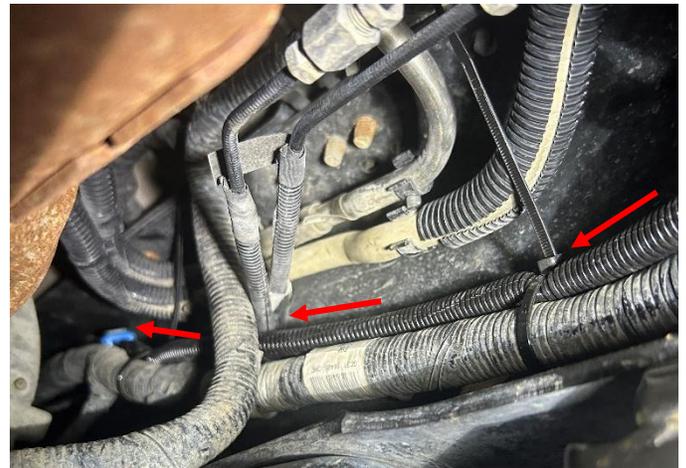
**STEP 6:** Open the fuse box and locate fuse position #55. Remove the 10-amp fuse in that location and insert the fuse into the open slot on the fuse tap. Insert the fuse tap into position #55 in the fuse box.



**STEP 7:** Route the fuse tap wire as shown at right. Re-install the fuse box cover.



**STEP 8:** Route the fuel heater connector harness along the frame rail. Use the included zip ties to retain the harness.



**STEP 9:** Connect the fuel heater harness to the fuel heater.

**STEP 10:** Prime the fuel system by cycling the ignition to the run position without starting the vehicle. Repeat this process two to three times.

**STEP 11:** Start the vehicle and check for leaks.

#### FUEL HEATER TEMPERATURE SWITCHING POINTS:

ON: 28.4F +/- 5.4F

OFF: 48.2F +/- 5.4F

At typical fuel flow, at temperature increase of between 4-8F will occur across the heating element.

