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Ford 6.7 High Pressure Fuel Line Kit



1050165

**2011-2021 Ford F250/F350
2011-2019 F450/F550/F650/F750**

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Kit Contents

1500165	1500166
	
Fuel line; Cylinder 3/4/5/6	Fuel Line; Cylinder 1/2/7/8
Qty: 4	Qty: 4

Introduction

This kit is designed by BD Diesel to give you true to OEM fuel line fitment to allow for easy installation. Every single line is checked for quality and fitment at BD Diesel to guarantee fit to the Ford 6.7 Power Stroke engine.

Tools Required for Installation

- Torque wrench
- 17mm crowfoot wrench
- Assorted metric sockets
- Ratchet and extensions

Fuel System Pressure Release

WARNING: Before working on or disconnecting any of the fuel tubes or fuel system components, relieve the fuel system pressure to prevent accidental spraying of fuel. Fuel in the fuel system remains under high pressure, even when the engine is not running. Failure to follow this instruction may result in serious injury.

WARNING: Do not work on the fuel system until the pressure has been released and the engine has cooled. Fuel in the high-pressure fuel system is hot and under very high pressure. High-pressure fuel may cause cuts and contact with hot fuel may cause burns. Failure to follow these instructions may result in serious injury.

With the key in OFF position make sure the Fuel Conditioning Module pump is not running. Wait at least 2 minutes after pump has shut off for the low-pressure system to bleed off pressure.

Note: The fuel system cannot be relieved of pressure manually. The high-pressure fuel system losses pressure as the engine cools down. When working on the high-pressure fuel system wait until the engine is cool or 5 minutes, whichever is long, to allow the high-pressure fuel system pressure to bleed off and the fuel to cool.

After the repair is complete, bleed the fuel system.

Installation

Disconnect both vehicle batteries before installation for safety.

Note: Fuel injection equipment is manufactured to very precise tolerances and fine clearances. To prevent system damage, it is essential that absolute cleanliness is observed when working with these components.

Release fuel system pressure, and disconnect battery ground cables.

Remove left and right tires; and inner fenders. (Bolt torque 9Nm, 80 lbs-in)

Remove all 5 (on both sides) engine sound shield retainers and the engine sound shields.

Remove and discard the fuel injector supply tube and replace.

Tighten the fuel injector supply tube in 2 steps:

Pre-tighten the fuel injector supply tube:

- Tighten the fuel injector fitting to 20Nm (177 lbs-in)
- Tighten the fuel rail fitting to 20Nm (177 lbs-in)

Final Tighten the fuel injector supply tube fittings

- Tighten the fuel injector fitting to 35Nm (26 lbs-ft)
 - Tighten the fuel rail fitting to 35Nm (26 lbs-ft)
-

Reinstall engine sound shields, fenders, and tires.

Bleed the fuel system if necessary.

Fuel System Bleeding

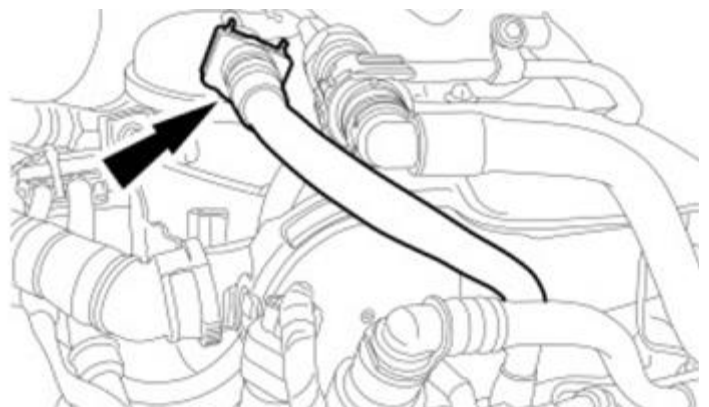
WARNING: When handling fuel, always observe fuel handling precautions and be prepared in the event of fuel spillage. Spilled fuel may be ignited by hot vehicle components or other ignition sources. Failure to follow these instructions may result in personal injury.

Bleed the fuel system by cycling the ignition 3 times in the following sequence:

- Turn the ignition key ON without cranking the engine.
 - Wait 30 seconds for the fuel conditioning module to run.
 - Turn the ignition key to OFF.
-

Test the system for normal operation. If the engine fails to start there may still be air in the fuel system, continue bleeding the fuel system with the following steps.

If air is still present in the fuel system, disconnect the fuel supply quick connect coupling from the secondary fuel filter and position aside.



Install one end of a suitable hose onto the secondary fuel filter and the other end into a suitable container.

Cycle the ignition 3 times in the following sequence until no air is present in the fuel system,

- Turn the ignition key ON without cranking the engine.
- Wait 30 seconds for the fuel conditioning module to run.
- Turn the ignition key to OFF.

Remove the hose and connect the fuel supply tube quick connect coupling to the secondary fuel filter, and check the system for normal operation.

Note: Carry out a Key ON Engine OFF (KOEO) visual inspection for fuel leaks after completing the Fuel System Bleeding Procedure.



Once all components have been reinstalled, be sure to check all connection points are tight and inspect for leaks.

