

# Fuel Pressure Control Valve

## Materials

| Name                                                                | Specification |
|---------------------------------------------------------------------|---------------|
| Motorcraft® SAE 10W-30 Super Duty Diesel Motor Oil<br>XO-10W30-QSDF | WSS-M2C171-F1 |

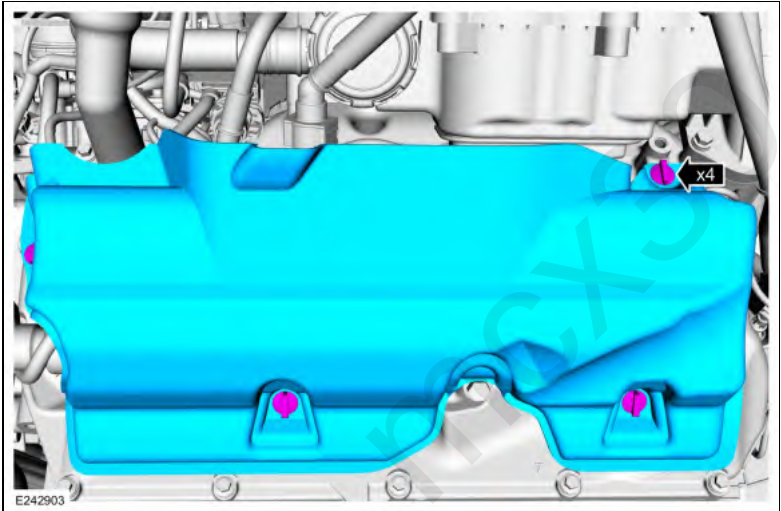
## Removal

**NOTICE:** 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 personal injury.

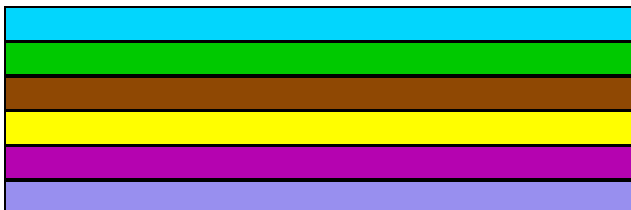
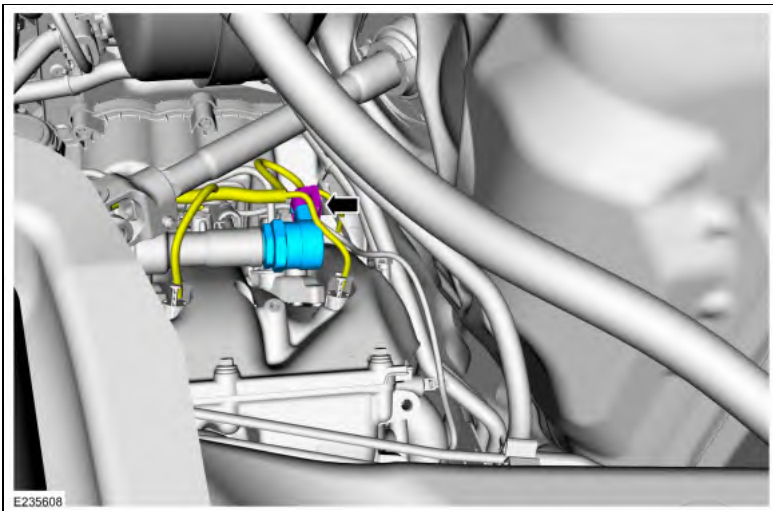
**NOTICE:** Fuel injection equipment is manufactured to very precise tolerances and fine clearances. To prevent fuel system damage, it is essential that absolute cleanliness is observed when working with these components.

**NOTE:** Removal steps in this procedure may contain installation details.

1. Release the fuel system pressure.  
Refer to: Fuel System Pressure Release (310-00B Fuel System - General Information - 6.7L Power Stroke Diesel, General Procedures).
2. Disconnect the battery.  
Refer to: Battery Disconnect and Connect (414-01 Battery, Mounting and Cables, General Procedures).
3. Remove the LH fender splash shield.  
Refer to: Fender Splash Shield (501-02 Front End Body Panels, Removal and Installation).
4. Remove the retainers and the engine sound shield.



5. Disconnect the electrical connector and remove the fuel pressure control valve



## Installation

1. To install, reverse the removal procedure.

*Material: Motorcraft® SAE 10W-30 Super Duty Diesel Motor Oil / XO-10W30-QSDF (WSS-M2C171-F1)*

**NOTE:** It is recommended to use a crows foot adapter when torquing the fuel pressure control valve and utilizing the torque wrench adapter formulas located in this manual. Failure to properly torque the fuel pressure control valve correctly can result in a crank no start or run rough scenario.

**NOTE:** Lubricate the O-ring seal of the fuel pressure control valve sealing surface with clean engine oil prior to installation.

2. Hold the fuel pressure control valve electrical connector in the desired orientation and tighten in 3 stages:

*Torque:*

Stage 1: 44 lb.ft (60 Nm)

Stage 2: Loosen: 90°

Stage 3: 63 lb.ft (85 Nm)