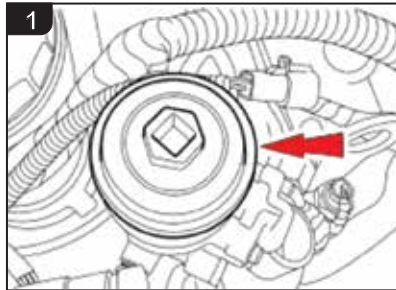


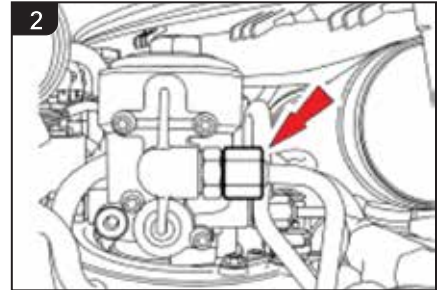
This procedure, while not overly difficult, does require a level of technical skill that not every person may be comfortable performing. Individuals who have not performed similar procedures working on or servicing vehicles should consult a professional.

The GB 522-038 Fuel Pressure Regulator Upgrade kit for the Ford 6.0L increases fuel pressure to the injectors from the original factory setting. This helps reduce low fuel pressure conditions under high loads, which can result in fuel injector damage. The kit includes a stronger fuel pressure regulator spring, housing gasket and fuel fitting o-ring.

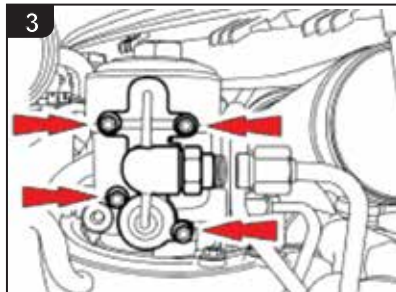
1: Figure 1: Remove the fuel filter cap and filter from the secondary fuel filter housing. Remove all fuel from housing.



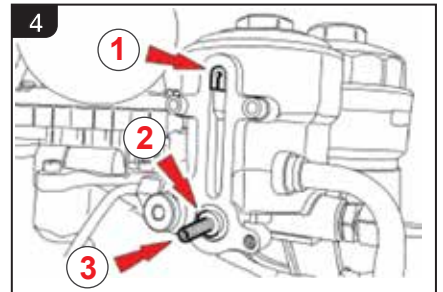
2: Figure 2: Disconnect the fuel return line fitting on the return tube from the regulator housing. Ensure the fitting adapter that screws directly into the housing remains in place and is not loosened.



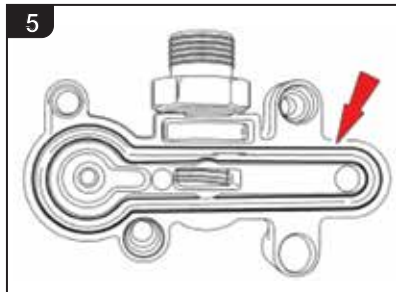
3: Figure 3: Carefully remove the four Torx bolts holding the regulator housing onto the filter housing. NOTE: Use caution, as the housing will be under spring pressure from the internal regulator spring.



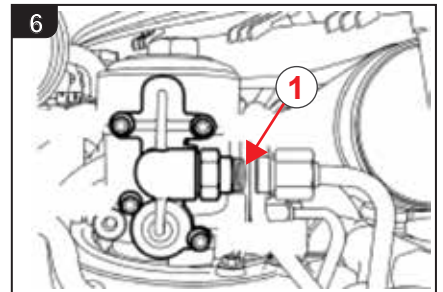
4: Figure 4: Locate the Plastic Bleed Orifice (1), Regulator Seat (2) and Regulator Spring (3). NOTE: The Plastic Bleed Orifice is very small and easily lost. Use caution that it does not fall out of the housing when the cover is removed. It is not necessary to remove the bleed if it remains in the housing.



5: Figure 4: Remove the original Fuel Pressure Regulator Spring (3) and discard.



6: Figure 4: Remove the Regulator Seat (2). Clean the seat and bore in the housing and reinstall the seat.



7: Figure 5: Remove and discard original gasket from the regulator cover. Install the new supplied gasket into cover.

8: Figure 3: Reinstall the cover onto the filter housing ensuring all parts remain in place. Evenly torque the four mounting screws to manufacturers specifications.

9: Figure 6: Remove the original o-ring on the fuel return fitting. Install the new supplied o-ring into the groove on the fitting. Ensure the o-ring is fully seated. Install and tighten the fuel line fitting and torque to manufacturers specifications.

10: Figure 6: Clean any fuel spillage or fuel residue from engine prior to starting engine. Check for leaks with system pressurized prior to driving vehicle.

11: Figure 6: Perform a fuel pressure test per service manual procedures.