



Ford 6.0 Liter Diesel EGR System

**Always wear gloves and safety glasses
when performing this service**

EGR System Consists of:

- **Cold side EGR valve (After EGR cooler) controls exhaust gases for proper emissions control of No_x gases**
- **EGR cooler (controls temperature of exhaust gases to the air intake to the engine)**
- **EGR temperature sensor (measures EGR cooler exhaust temperature and efficiency)**

These items are critical for proper emissions management control and must be cleaned on a regular basis for optimum efficiency.

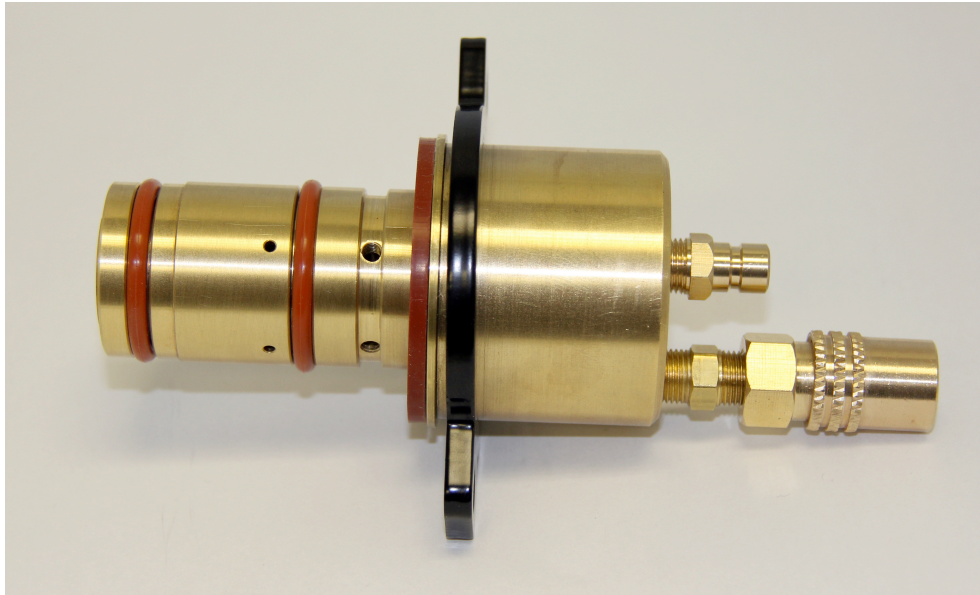
First steps before any service can be performed.

- 1. Add TerraDiesel Fuel Injector Cleaner to vehicle's fuel tank.**
- 2. Remove plastic engine cover.**
- 3. If engine is hot, the EGR cooler must be cooled – see note in step 8.**

ZIT13-00813 Rev2

Adapters Required:

201380



201399

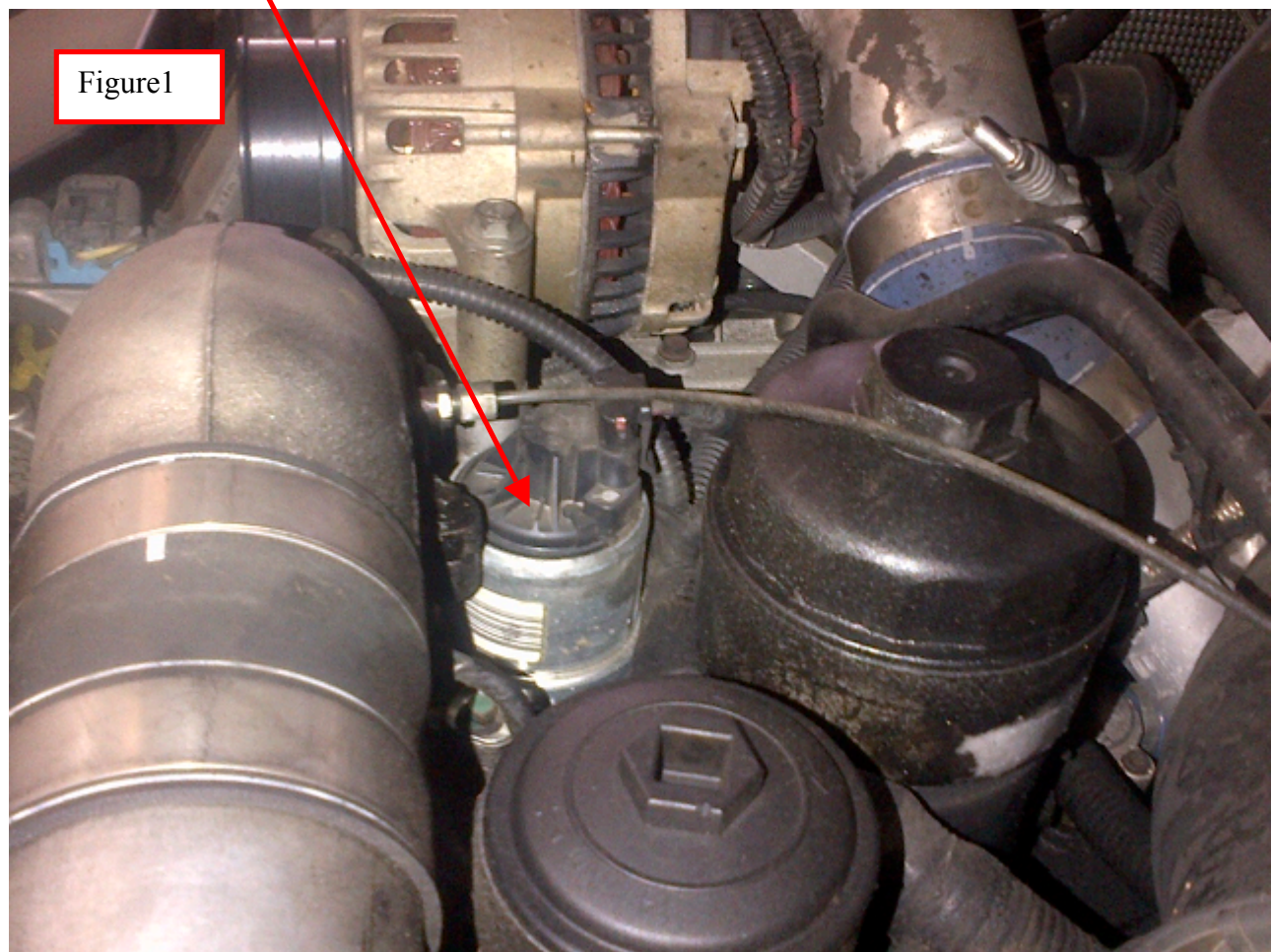


Tools Required:

- **EGR Tool 201170**

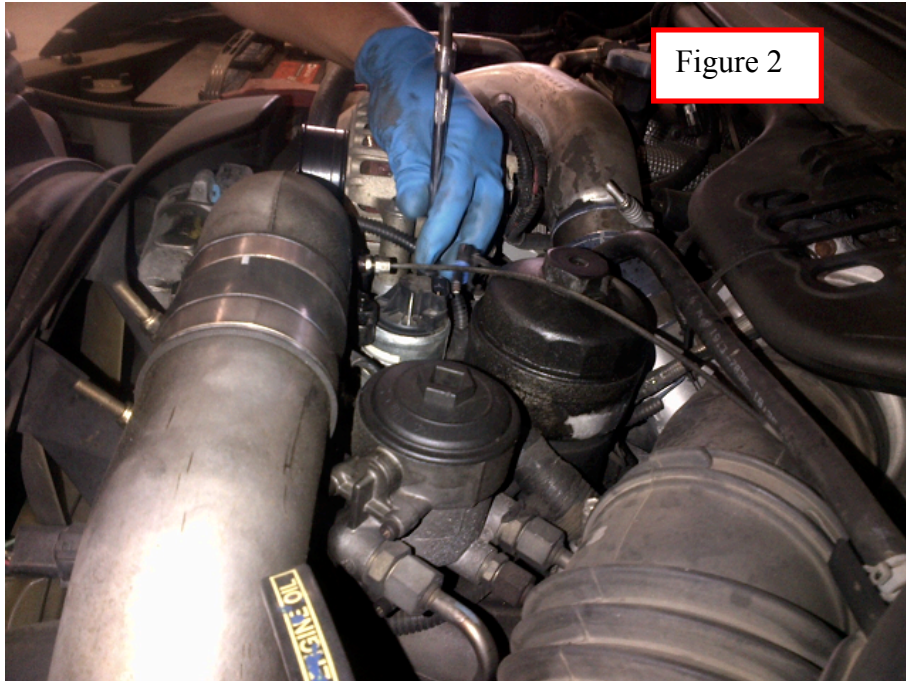
Locations of EGR component:

- EGR valve

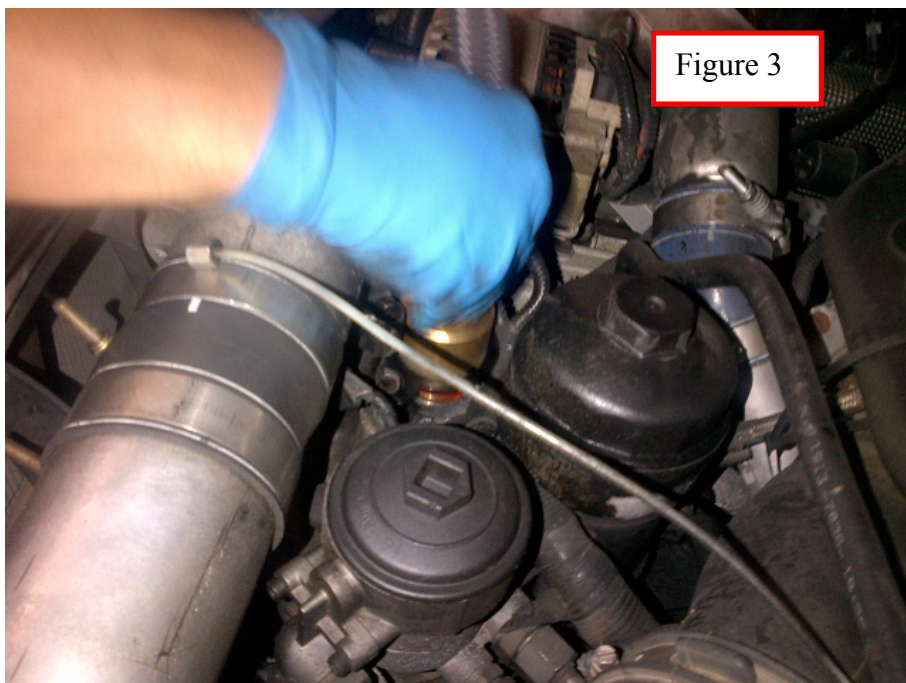


201380 - Ford 6.0 Liter Engine EGR Adapter Instructions

4. Remove EGR valve 2 bolts (see figure 2). Do not disconnect EGR valve electrical connector.



5. Install 201380 adapter (see figure 3) in place of above EGR valve.



6. Attach EGR manifold adapter 201399 to EGR adapter 201380. Attach EGR tool to 201399. Ensure air valve and fluid valve are closed – see EGR tool user guide.
7. Unscrew fill cap and fill with 32 oz (950 ml) of EGR Cleaner. For first application or severe coking, 64 oz. may be required.
8. Reinstall the fill cap and hang tool from the hood latch. Connect shop air. Set air pressure on EGR tool to 40-50 psi.

NOTE: If engine is hot, the EGR cooler must be cooled before treatment can start. Before step 9 can proceed, ignition must be off for the EGR system to be cooled. Open EGR tool air valve, keeping the fluid valve closed, turn valve on the EGR manifold adaptor 201399 to exhaust and flush cooler with air for 2 minutes.

9. Start vehicle engine. Set EGR manifold adapter to exhaust.
10. Open air valve on EGR tool, adjust regulator to maintain initial pressure, then open the fluid valve on the EGR tool.
11. After 1/4 of the fluid has been consumed, turn the fluid valve off and let the air flow for an additional 2 minutes to flush deposits into exhaust stream.
12. Repeat step 11-12 allowing another ¼ of the fluid to be consumed.
13. Set valve on adapter to intake, open fluid valve and continue service until EGR tool is empty.

Note: At any time during the intake service you hear a diesel knock sound, turn manifold adapter valve to off for 2 minutes. After two minutes then turn manifold adapter valve to intake and continue service.

Let the vehicle operate for an additional 5 minutes and rev the engine several times to clear all residual fluid.

14. Turn the fluid and air valve on tool to the closed position. Turn Vehicle off. Detach shop air line and depressurize the tool by rotating the regulator knob counter clockwise.

Note: Disconnect the EGR valve electrical connector and clean the EGR valve with EGR cleaning fluid using a soft bristle brush before starting step 15

15. Remove adaptor and reassemble vehicle components in the reverse order of removal.
16. Add one bottle of TerraDiesel Multi-function Fuel Treatment to vehicle's fuel tank.
17. After service, reset any engine codes and perform a road test to clear any residual fluid from the system. Vehicle may go through Regen cycle during road test.