



EGR Adapter Ford 6.4 L

Part No. 069-3381



CAUTION:

Always wear gloves and safety glasses when performing this service

EGR System Consists of:

- Hot side EGR valve (before EGR cooler) controls exhaust gases for proper emissions control of Nox gases
- EGR cooler (controls temperature of exhaust gases to the air intake to the engine)
- EGR cooler bypass valve (controls exhaust flow temperature to the air intake from the exhaust through the EGR cooler)
- 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:

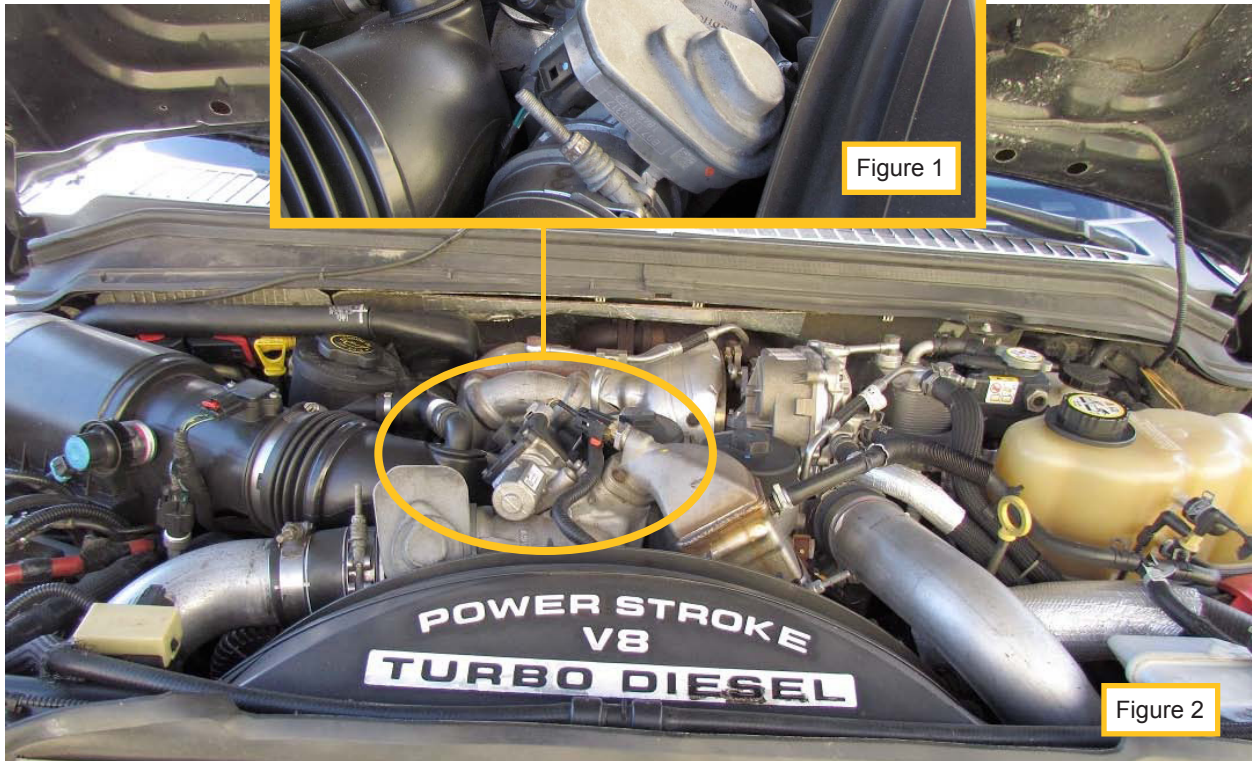
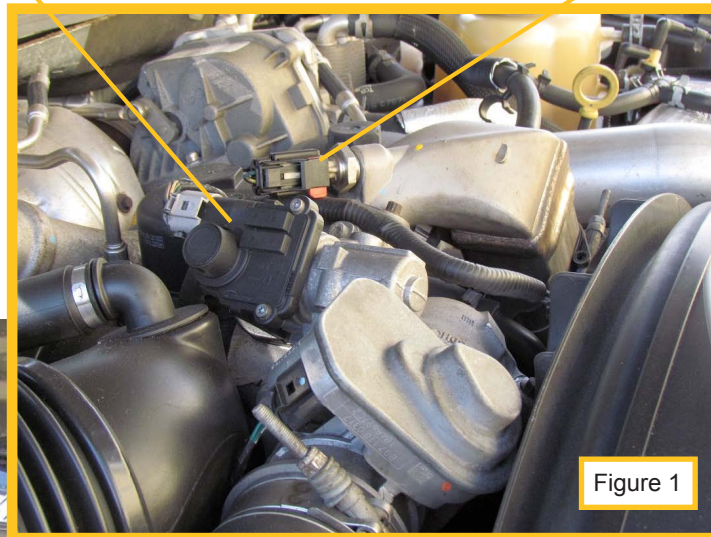
1. Add Part# 400-3012 DieselTune™ Max Strength Fuel Injector Cleaner to vehicle's fuel tank.
2. Remove plastic engine cover.
3. If engine is hot, the EGR cooler must be cooled – see note in step 8.

Tools and Adapters Required:

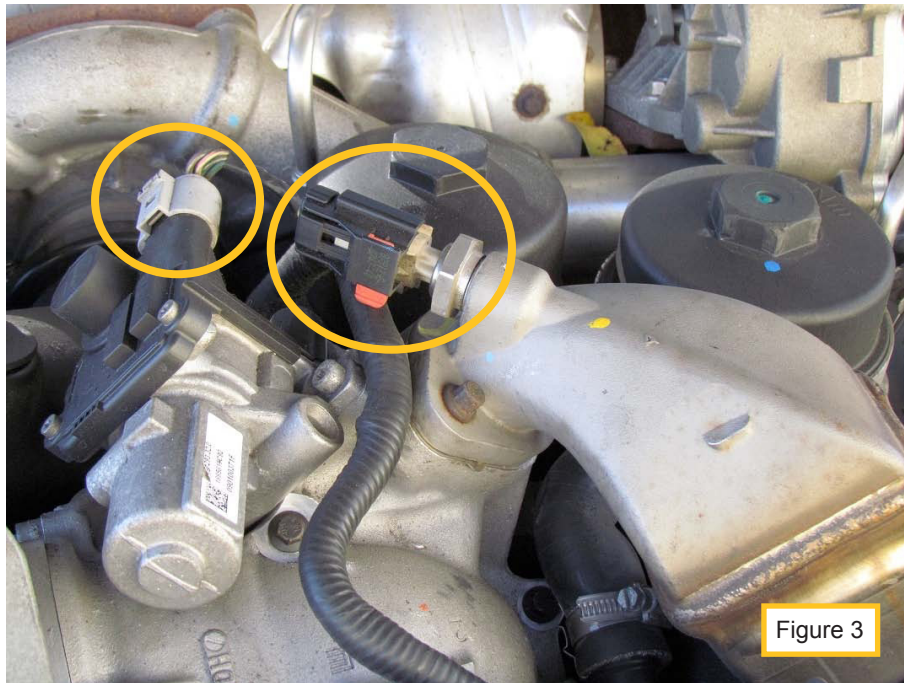


Locations of EGR components:

- EGR valve
- EGR cooler outlet pipe with EGR temperature sensor



4. Remove EGR cooler temperature sensor (see figure 3). Disconnect EGR valve electrical connector to close the EGR valve.



5. Install 069-3381 adapter (see figure 4) in place of above EGR temperature sensor.



6. Attach EGR tool to EGR adapter 069-3381. 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 Part# 400-0280 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, and flush cooler with air for 2 minutes.

9. Start vehicle engine.
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 10-11 allowing another 1/4 of the fluid to be consumed.
13. Reconnect EGR temperature sensor electrical connector to open EGR valve.
14. Open fluid valve. Continue service until EGR tool is empty.

Note: At any time during the intake service (step 14) you hear a diesel knock sound, turn fluid valve to closed position for 2 minutes. After two minutes then turn fluid valve to open position and continue service.

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

15. 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.
16. Remove adaptor and reassemble vehicle components in the reverse order of removal. Wipe off EGR temperature sensor using the EGR cleaning fluid before installing.
17. Add one bottle of Part# 400-3022 DieselTune™ Complete Fuel Supplement to vehicle's fuel tank.
18. After service, reset any engine codes and perform a road test to clear any residual fluid from the system. Vehicle may go through regeneration cycle during road test.

**ISO 9001
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