







## **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 No. 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 DieselTune™ Max Strength Fuel Injector Cleaner (400-3012) to the vehicle's fuel tank.
- 2. Remove the plastic engine cover.
- 3. If the engine is hot, the EGR cooler must be cooled.

Tools and Adapters Required:



069-3556 Intake 069-3557 Exhaust

ZIM16-01747