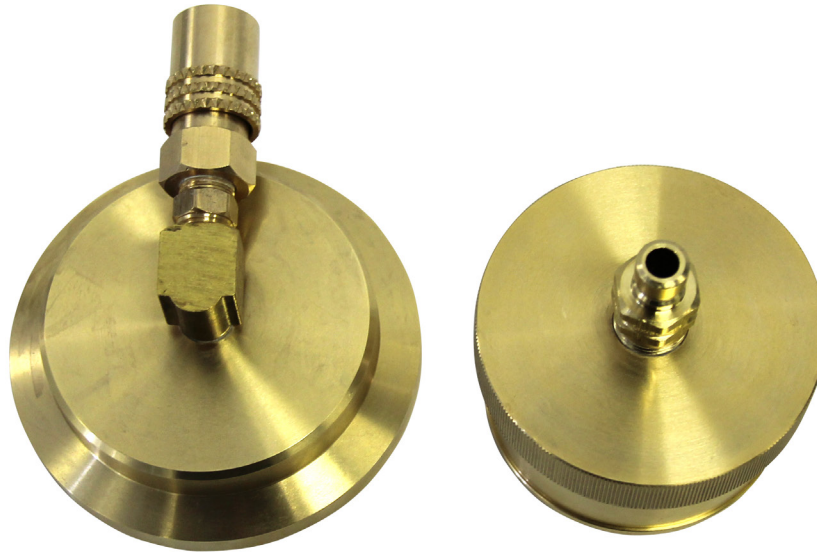




## **Volvo GHG D13 13 Litre Engine**

**Part No. 069-3686 & 069-3642**



### **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<sub>x</sub> 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:

---



069-3686



069-3642



069-3399



500-0170

**ISO 9001**  
**CERTIFIED**  
ZIM16-01748