



Mercedes-Benz

Common Rail Direct Injection CDI



Objective

- Identify noise reduction components
- Explain crankcase system
- Identify fuel system components and understand function and location
- Explain glow plug function
- Identify air intake and exhaust components

Advantages

- Compared to Gasoline vehicles
 - Reduced fuel consumption
- Compared to previous diesel vehicles
 - CO2 emission reduction
 - Increased torque
 - Lower noise generation
 - Improved performance

Technical Data

- Engine Inline 6 cyl; 4 valve DOHC
- Displacement 3.2 litres
- Output 150 kW / 201 hp
- Torque 500 Nm / 369 ft-lb
- Max. RPM limiter ~4700 RPM
- Compression ratio 18/1
- Bore diameter 88 mm
- Stroke 88.34 mm
- Crankcase Cast iron
- Cylinder head Aluminum
- Fuel system CDI 3

Noise Reduction



Underbody insulation panel
bulkhead and tunnel area

Heater Box Absorber



Noise insulation installed around heater box

Windshield Bow



Extra insulation at windshield base