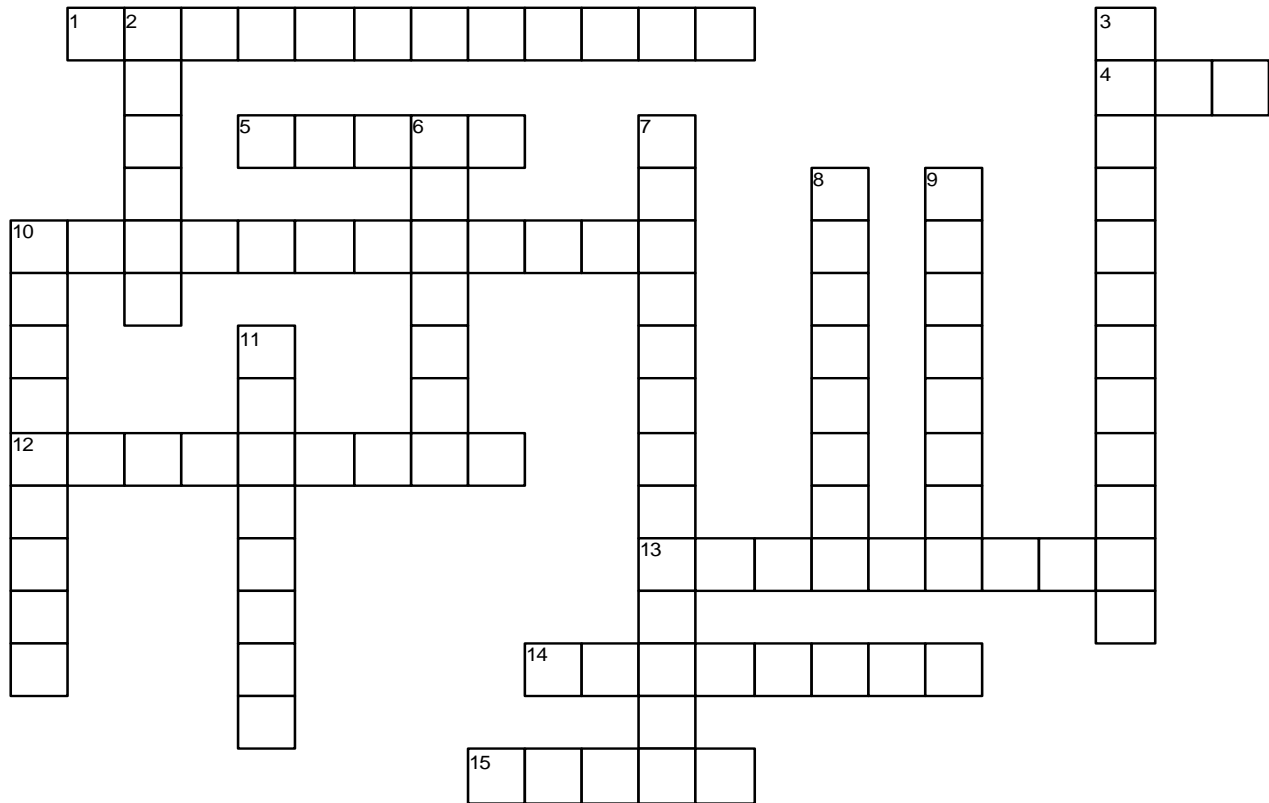# Cummins Diesel Engines
Chapter 24

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ACROSS

1 The left and right fuel rails serve as _____ for the injectors and provide locations for the fuel rail pressure sensor and the fuel pressure relief valve.

4 The second generation cummins engine used in a ram truck was known as the ___.

5 A _____ CP 4.2 high-pressure 2-cylinder fuel pump is located in the valley on the front of the engine.

10 The high-pressure common rail serves as a mounting point for the ____ _____ limiting valve and the fuel pressure sensor, as well as the feed to each injector.

12 The ___ _____ is mounted on the right side of the engine. It receives engine coolant from the water pump and circulates it through the cooler to lower exhaust gas temperatures before they are recirculated back into the combustion chamber.

13 the _____ ___ cooler is located between the radiator and condenser as part of the cooling module.

14 The ___ _____ is located on the right side of the engine at the back of the eGr cooler.

15 The third generation cummins diesel engine used in the ram truck is referred to as the ___ __.

DOWN

2 The _____ crankcase ventilation system captures the unburned hydrocarbons, which once were vented to the outside by a road draft tube, and routes them back through the breather tube to be burned in the combustion process.

3 the ___-_____ turbocharger is connected to the outlet of the low-pressure turbo charger and is the smaller of the two units.

6 The high-pressure pump uses the _____ overflow valve to return unused fuel to the tank.

7 The high-pressure fuel system uses eight Bosch _____ fuel injectors.

8 The function of the fuel control _____ is to limit the amount of fuel that flows into the high-pressure pump.

9 The 6.7-liter cummins engine uses a _____ geometry turbocharger.

10 The air _____ ___ is located on the left side of the engine compartment. It contains the filter and the turbocharger compressor intake pressure temperature sensor.

11 The ____ ____ control module controls the operation of the glow plugs based on CAN Bus messages from the engine control module.