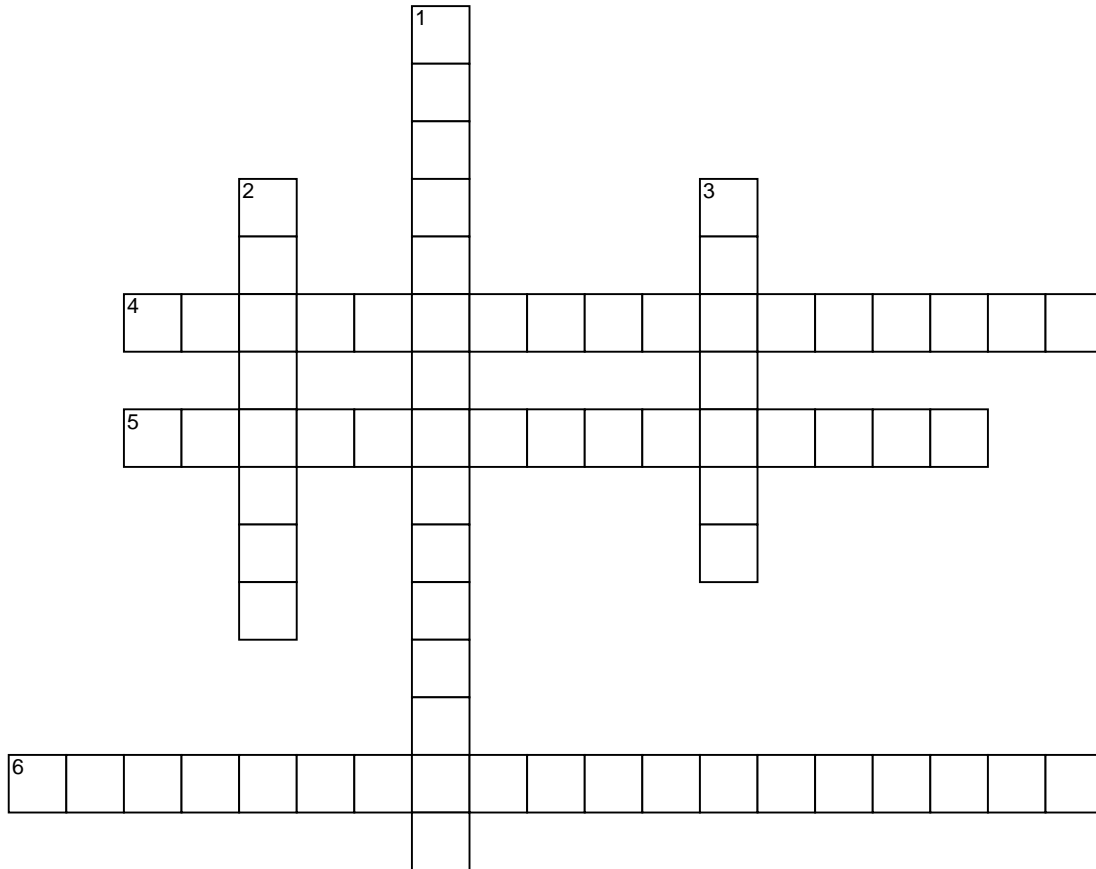


Chapter 10

Air Induction and EGR Systems



ACROSS

- 4 _____ Includes the air filter, mass air flow/temperature sensor assembly and an air filter minder.
- 5 _____ is a heat exchanger that is mounted between the turbocharger and the inlet side of the engine.; sometimes referred to as the intercooler.
- 6 _____ is a sensor that allows the powertrain control module (PCM) to monitor the air pressure in the intake manifold.

DOWN

- 1 _____ is a gauge designed to show the difference between atmospheric pressure and the air pressure in the filter housing under maximum load and to alert the driver or service technician when the filter element needs to be serviced.
- 2 an _____ is a valve that meters the flow of non-combustible exhaust gases into the intake manifold.
- 3 _____ is a condition where small dust and dirt particles enter the air induction system by bypassing the filter.