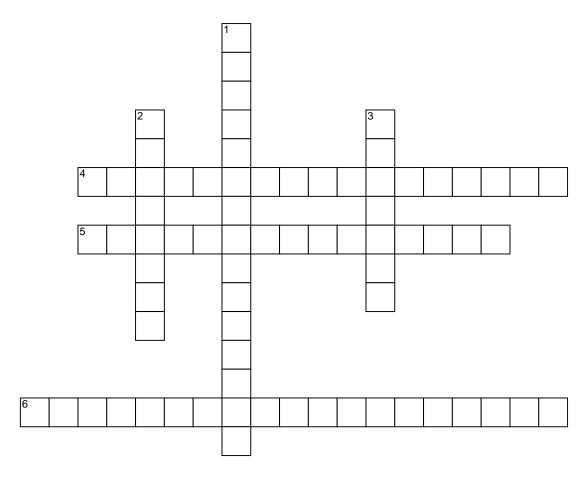


## Chapter 10

### Air Induction and EGR Systems



#### **ACROSS**

# 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 con troll 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.