ODB II Diesel Monitors
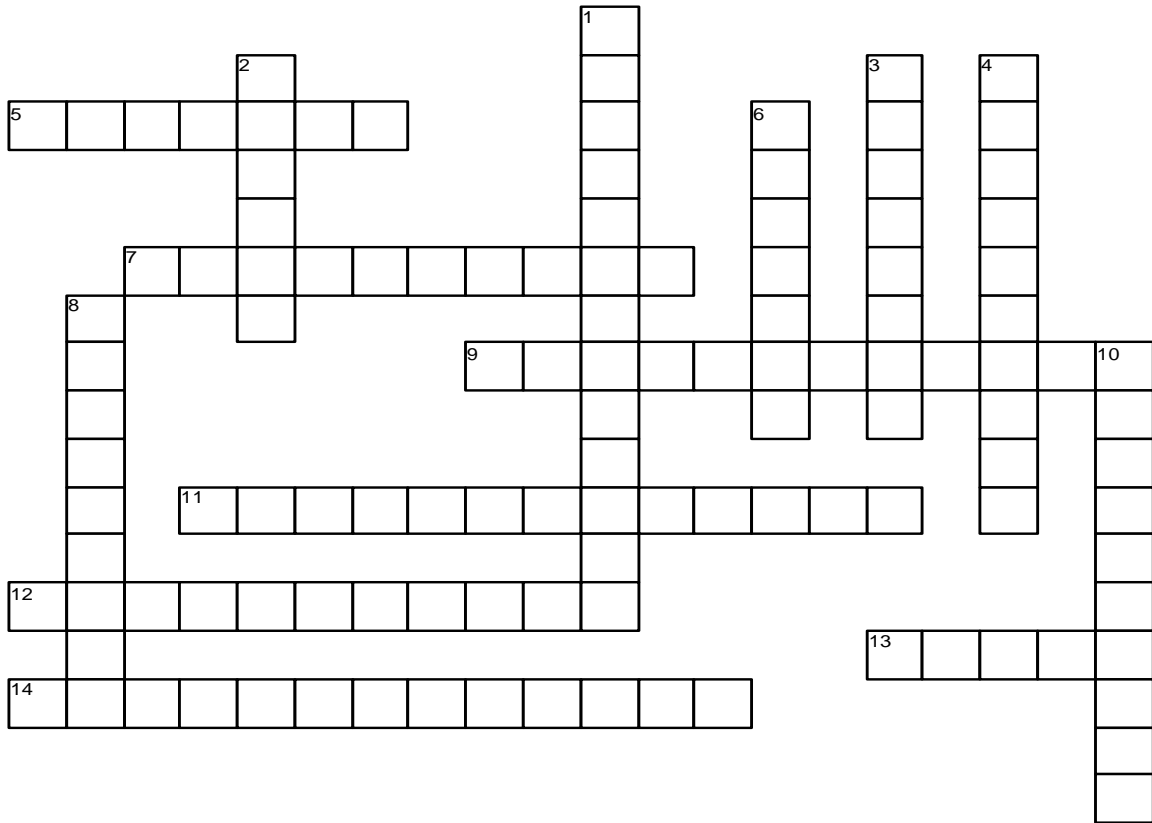## Chapter 20

ACROSS

5 The _____ system monitor checks the operating temperature of the engine during the warm-up cycle.

7 Much like a gasoline engine, the ____ _____ monitor is designed to detect conditions when the fuel system is over-fueling or under-fueling the engine beyond pre-determined thresholds, and is exceeding emission thresholds.

9 The PCM uses the ____ _____ monitor to continuously monitor the fuel system data and compares it to what is expected based on programming.

11 ___-_____ monitors run once per drive cycle after the enabling criteria has been satisfied.

12 The _____ matter filter monitor is responsible for determining filter restrictions, filter leaks, filter substrate removal, and tracking incomplete regeneration events.

13 The purpose of the _____ pressure monitor is to ensure the volume of air through the engine is what is desired.

14 The exhaust gas _____ monitor is designed to determine if the flow through the EGR system is within the designed specification. If the gas flow is not within specifications, the PCM must be able to detect whether the flow is out of range high or low.

DOWN

1 _____ component monitor is a continuous monitor that monitors the inputs and outputs in the OBD-II system.

2 the non-methane hydrocarbon (NMHC) catalyst monitor is also called the _____ oxidation catalyst.

3 The purpose of the NOx monitor and the selective _____ reduction monitor is to measure the efficiency of the catalyst, and ensure it is capable of reducing the levels of NOx to the specified level.

4 _____ monitors run the entire drive cycle once enabling conditions are met.

6 The purpose of the _____ monitor is to detect an imbalance in the engine when a cylinder fails to produce a combustion pressure similar to other cylinders and the pre-programmed data in the PCM.

8 The purpose of the _____ ventilation monitor is to ensure the system flows and is not leaking to the ambient air.

10 The _____ ___ sensor monitor is designed to determine if the NOx sensors and/or O2 sensors (depending on how the vehicle is equipped) are functioning properly.