

Name _____

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

1) What are three uses of a MAP sensor by the PCM?

2) What are two types (construction) of MAP sensors?

3) What is the relationship among atmospheric pressure, vacuum, and boost pressure in PSI?

4) What diagnostic trouble codes are associated with faults with the MAP sensor?

5) What is the MAP sensor signal voltage or frequency at idle on a typical General Motors, Chrysler, and Ford engine?

Answer Key

Testname: ENGINEPERF5_SHORT22

1) The PCM uses the MAP sensor for the following information: engine load, altitude, EGR system diagnosis, and to detect deceleration.

Page Ref: 357

2) The three types of construction of MAP sensors include: silicon-diaphragm strain gauge, capacitor capsule, and ceramic disc.

Page Ref: 353

3) Vacuum is pressure below atmospheric pressure, whereas boost pressure is above atmospheric pressure.

Page Ref: 353

4) The following DTC are associated with a fault with a MAP/BARO sensor or sensor circuit:

- P0106
- P0107
- P0108

Page Ref: 360

5) The MAP sensor signal voltage or frequency should be about 1 volt or about 108 Hz. At idle.

Page Ref: 355-356