

Name _____

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

1) How do you test the dash unit of a fuel gauge?

2) How does a navigation system determine the location of the vehicle?

3) How does a stepper motor analog dash gauge work?

4) How do you diagnose a problem with a red brake warning lamp?

5) What are LED, LCD, VTE, and CRT dash displays? Describe each.

Answer Key

Testname: AAEE_SHORT17

- 1) If the tank unit is unplugged with the key on, the needle should either go to full or empty if the dash unit and wiring are okay.
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- 2) A navigation system uses satellites in orbit around the earth to provide signals for navigation devices.
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- 3) The needle of the analog display is moved using a stepper motor, which is controlled by the electronics in the instrument panel.
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- 4) To help diagnose the cause of a red brake warning lamp, disconnect the wire from the differential pressure switch and check that the parking brake is fully released.
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- 5) LED means light emitting diode, LCD means liquid crystal display, VTF means vacuum tube fluorescent, and CRT means cathode ray tube.
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