Name
Tunic
SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.
1) What is the difference between a type A and type B OBD-II DTC?
2) What could cause the MIL to flash?
3) What does the PCM do during a trip to test emission-related components?
4) What modes are available using Mode \$06?
5) What is the difference between a trip and a warm-up cycle?

Answer Key

Testname: SHORT 89

- 1) Misfire type A. Upon detection of a misfire type A (200 revolutions), which causes catalyst damage, the MIL blinks once per second during the actual misfire, and a DTC is stored. Misfire type B. Upon detection of a misfire type B (1,000 revolutions), which exceeds 1.5 times the EPA federal test procedure (FTP) standard or causes a vehicle to fail an inspection and maintenance tailpipe emissions test, the MIL illuminates and a DTC is stored.

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- 2) This condition indicates a misfire or fuel control system fault that could damage the catalytic converter. Page Ref: 1022
- 3) The PCM performs active and intrusive tests of the components if the operating conditions of the vehicle match the enabling criteria.

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- 4) All OBD-II vehicles must be able to display data on a global (also called generic) scan tool under nine different modes of operation. These modes include:
 - Mode One Current powertrain data (parameter identification display or PID)
 - Mode Two Freeze-frame data
 - Mode Three DTCs
 - Mode Four Clear and reset DTCs, freeze-frame data, and readiness status monitors for noncontinuous monitors only
 - Mode Five Oxygen sensor monitor test results
 - Mode Six Onboard monitoring of test results for non-continuously monitored systems
 - Mode Seven Onboard monitoring of test results for continuously monitored systems
 - Mode Eight Bidirectional control of onboard systems
 - Mode Nine Module identification
 - Mode 10 (\$0A) Permanent DTCs

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5) A trip is defined as a key-on condition that contains the necessary conditions for a particular test to be performed, followed by a key-off. A warm-up cycle is defined as a trip with an engine temperature increase of at least 40°F and where engine temperature reaches at least 160°F (71°C).

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