

Answer Key

Testname: AEEP8_SHORT43

- 1) 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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- 2) A type A DTC is fuel or misfire related and will cause the MIL to be turned on during the first trip. A type B DTC will turn on the MIL after the second consecutive trip.

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- 3) 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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- 4) This condition indicates a misfire or fuel control system fault that could damage the catalytic converter.

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- 5) 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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