

Name _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

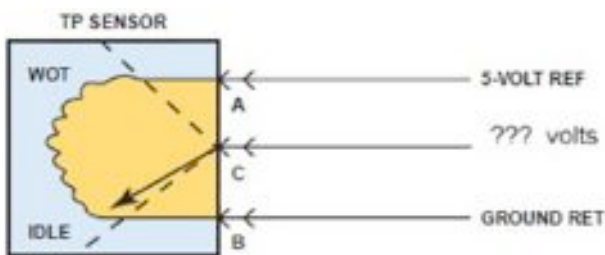
1) Technician A says that the TP sensor signal voltage should be about 0.5 volt at idle and increase to about 2.5 volts at wide-open throttle (WOT). Technician B says A TP sensor can be tested using a DMM, DSO, or scan tool. Who is right? 1) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician

2) A TP sensor is what type of sensor? 2) _____
A) Rheostat
B) Voltage generating
C) Potentiometer
D) Piezoelectric

3) A P0122 DTC is retrieved using a scan tool. This DTC means _____. 3) _____
A) the TP sensor voltage is low
B) the TP sensor could be shorted-to-ground
C) the TP sensor signal circuit could be shorted-to-ground
D) all of the above are correct

4) After a TP sensor has been tested using the min/max function on a DMM, a reading of zero volts is displayed. What does this reading indicate? 4) _____
A) The TP sensor is open at one point during the test.
B) The TP sensor is shorted.
C) The TP sensor signal is shorted to 5-volt reference.
D) Both B and C are possible.

5) What voltage will be measured at terminal "C" as shown? 5) _____



- A) 4.5 volts
- B) 0.5 volts
- C) 12 volts
- D) Not enough information

- 6) The torque converter clutch will release when any movement of the TP sensor is detected. 6) _____
A) True
B) False
- 7) Most TP sensors have how many wires? 7) _____
A) 1
B) 2
C) 3
D) 4
- 8) Which wire on a typical TP sensor should be back-probed to check the voltage signal to the PCM? 8) _____
A) 5-volt reference (Vref)
B) Signal wire
C) Ground wire
D) Meter should be connected between 5-volt reference and ground
- 9) After a TP sensor has been tested using the min/ max function on a DMM, a reading of 5 volts is displayed. What does this reading indicate? 9) _____
A) The TP sensor is open at one point during the test.
B) The TP sensor is shorted.
C) The TP sensor signal is shorted to 5-volt reference.
D) Both B and C are possible.
- 10) A _____ is a variable-resistance sensor with three terminals. 10) _____
A) rheostat
B) potentiometer
C) thermistor
D) thyristor

Answer Key

Testname: AT6_75A

1) B

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2) C

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3) D

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4) A

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5) B

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6) B

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7) C

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8) B

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9) D

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10) B

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