

Electric and Hybrid Electric Vehicles, 1st Edition

Quiz 5B

NAME _____

1. When changing the oil on a hybrid ICE with push-button start, the key fob should be _____. 1. _____
 - A) kept in the technicians pocket
 - B) located at least 5 feet away from the vehicle
 - C) placed on the vehicle roof
 - D) put at least 15 feet away from the vehicle

2. Technician A says that an AGM battery requires a special battery charger. Technician B says that a battery located in the trunk is normally an AGM battery. Which technician is correct? 2. _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

3. Why do most manufacturers recommend using a pre-mixed replacement coolant when servicing a hybrid or electric vehicle cooling system? 3. _____
 - A) The minerals in tap water can cause corrosion issues.
 - B) It is difficult to get the mixture ratio correct
 - C) Both a and b are correct.
 - D) Neither answer is correct.

4. What special procedure must be followed when testing the batteries in a micro-hybrid vehicle? 4. _____
 - A) The batteries must be electrically separated to obtain accurate test results.
 - B) The batteries must be tested together.
 - C) There are no special test procedures.
 - D) The batteries must be replaced together.

5. Technician A says that DTCs should be cleared as one of the first steps in EV diagnosis. Technician B says that clearing DTCs comes toward the end of the diagnostic process. Which technician is correct? 5. _____
 - A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B

6. Electric power steering systems operate at what voltage level? 6. _____
 - A) 12 volts
 - B) 42 volts
 - C) 60 volts
 - D) Both a and b are correct.

7. When checking A/C system pressures, what should the technician do? 7. _____
 - A) Park the vehicle in the sun.
 - B) Bypass the idle-stop feature.
 - C) Have the vehicle in key on-engine off mode.
 - D) None of these.

8. The electrically driven A/C compressor uses _____ oil for lubrication. 8. _____
- A) mineral
 - B) PAG
 - C) POE
 - D) 0W-20
9. An electric vehicle may have _____ separate cooling systems. 9. _____
- A) one
 - B) two
 - C) three
 - D) Either b or c is correct.
10. If the auxiliary battery is located in the trunk, it will be a _____ type battery. 10. _____
- A) flooded
 - B) AGM
 - C) screw cap
 - D) 4 cell

Answer Key

Testname: EV1_5B

1. D

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2. C

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3. C

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4. A

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5. B

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6. D

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7. B

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8. C

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9. D

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10. B

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