

CH-13 -AUTEC 317 HMWK

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

- 1) In most hybrid electric vehicles, the air entering the plenum chamber passes through the _____. 1) _____
A) Evaporator B) Heater core
C) Cabin filter D) Recirculation door

- 2) Technician A says that because of hybrid/electric technology, the internal combustion engine used on these vehicles runs colder than peak operating temperatures. Technician B says that PTC coolers located in the A/C system are used to overcome this excessive engine heat. 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) Technician A says that HEV compressors may be both electrically and belt driven. Technician B says that scroll type A/C compressors contain rotating scrolls to pressurize the refrigerant. Which technician is correct? 3) _____
A) Technician A only B) Technician B only
C) Both technicians A and B D) Neither technician A nor B

- 4) The HEV electric compressor operates at a voltage of up to _____ volts. 4) _____
A) 230 B) 42 C) 14.5 D) 12

- 5) Technician A says that HEV refrigerant service uses the same RRR machine as any other vehicle. Technician B says that a hybrid-specific RRR machine is used to service HEV systems. 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) Scan data indicates that the starter-generator control module (SGCM) on a GM hybrid pickup has overheated. The LEAST likely cause would be _____. 6) _____
A) Inoperative fan B) Faulty electric pump
C) Low coolant level D) Stuck thermostat

- 7) Technician A says that the coolant heat storage tanks used in some HEVs are made of an inner and outer casing with pressurized gas in between for insulation. Technician B says that coolant heat storage tanks in HEVs contain a vacuum between the inner and outer linings. Which technician is correct? 7) _____
A) Technician A only B) Technician B only
C) Both technicians A and B D) Neither technician a nor B

- 8) A/C compressor oil is the same for both hybrid and non-hybrid A/C systems. 8) _____
A) True B) False

- 9) What is the optimum operating temperature for an internal combustion engine? 9) _____
A) 235 deg F B) 200 deg F C) 100 deg F D) 165 deg F

- 10) A coolant heat storage tank can keep coolant warm for a maximum of _____ days. 10) _____
A) One B) Two C) Three D) Four