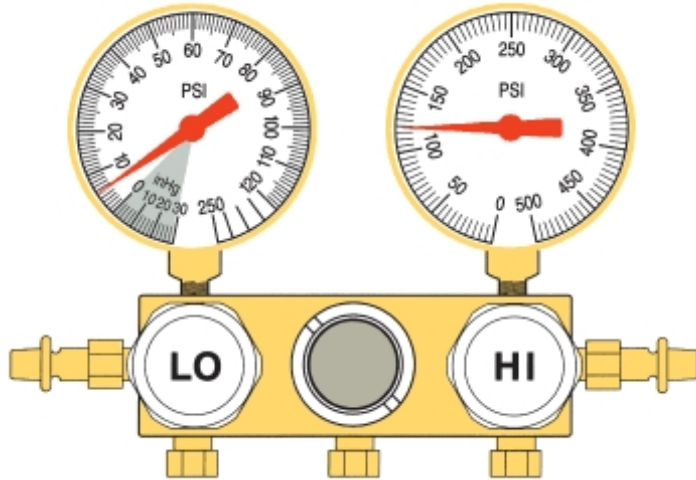


AUTEC 317 HMWK CH-15

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

- 1) A "pop" is heard from the radio speaker(s) when the system is operating with the air conditioning on. What is the most likely cause? 1) _____
 A) A restricted evaporator B) Normal operation
 C) A defective compressor clutch diode D) A worn A/C compressor

- 2) The discharge air temperature is warm and the pressure gauges are as shown. What is the MOST LIKELY cause? 2) _____



- A) Low on refrigerant B) Lack of airflow through the condenser
 C) Icing of the evaporator D) Defective compressor

- 3) Clear water is seen dripping from beneath the vehicle on the passenger side. This means _____. 3) _____
 A) Possible clogged evaporator
 B) Receiver-drier at the end of its normal life
 C) Possible restricted condenser
 D) Normal operation

- 4) The temperature difference between the inlet and outlet of the condenser should be _____. 4) _____
 A) 10°F to 30°F B) Greater than 60°
 C) Equal D) 20°F to 50°F

- 5) Technician A says that you should begin HVAC problem diagnosis with a thorough inspection. Technician B says that you can determine from the inspection what type of system you are dealing with. Who is correct? 5) _____
 A) Technician A only B) Technician B only
 C) Both technicians A and B D) Neither technician A nor B

- 6) High-side pressure is affected by _____. 6) _____
 A) Fan clutch operation B) Ambient temperature
 C) Refrigerant charge level D) All of these

- 7) Technician A says that oily residue on a fitting or hose can indicate a refrigerant leak. Technician B says that this residue is normal around most A/C fittings. Who is correct? 7) _____
A) Technician A only B) Technician B only
C) Both technicians A and B D) Neither technician A nor B
- 8) What would normal low and high gauge reading be on a 90° day? 8) _____
A) 30 and 400 PSI B) 50 and 175 PSI C) 10 and 300 PSI D) 30 and 200 PSI
- 9) Technician A says that a quick check of A/C system operation is to feel the temperature of the suction and discharge lines. Technician B says that the suction line should be cold and the discharge line hot after 5 minutes of system operation. Who is correct? 9) _____
A) Technician A only B) Technician B only
C) Both technicians A and B D) Neither technician A nor B
- 10) Both high-side pressures and low-side pressures are low with the engine running and the selector set to the air conditioning position. Technician A says that the system is undercharged. Technician B says the cooling fan could be inoperative. Who is correct? 10) _____
A) Technician A only B) Technician B only
C) Both technicians A and B D) Neither technician A nor B