

Automotive Heating and Air Conditioning, 9th Edition

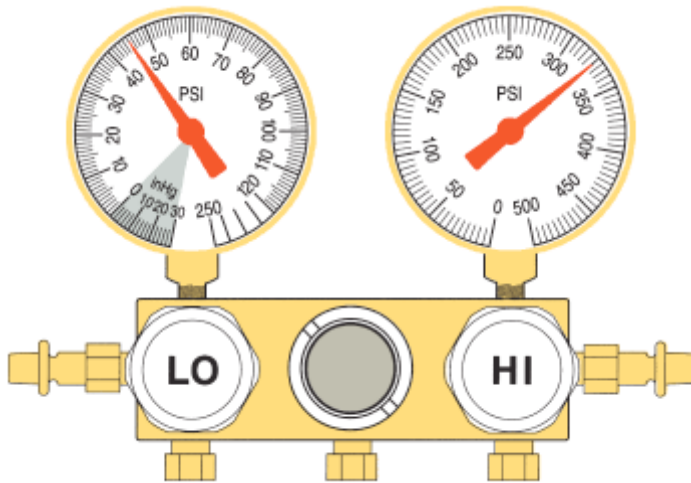
Quiz 16B

NAME _____

1. A faulty A/C system has a high low-side pressure and a high high-side pressure. Technician A says that the system is probably starved. Technician B says that the system has a bad thermostatic switch. Which technician is correct? 1. _____
A) Technician A only
B) Technician B only
C) Both technicians A and B
D) Neither technician A nor B

2. 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. 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. The discharge air temperature is warm or slightly cool. The pressure gauges shown indicate which MOST LIKELY cause? 3. _____



- A) Low on refrigerant
- B) Defective compressor
- C) Excess refrigerant in the system
- D) Lack of airflow through the condenser

4. 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. Which technician is correct? 4. _____
- A) Technician A only
 - B) Technician B only
 - C) Both technicians A and B
 - D) Neither technician A nor B
5. When using a scan tool to diagnose an AC system, where are any AC related trouble codes usually found? 5. _____
- A) In the driver information center (instrument cluster)
 - B) Powertrain control module (PCM)
 - C) Body or chassis systems
 - D) Read out in the navigation screen
6. Clear water is seen dripping from beneath the vehicle on the passenger side. This means _____. 6. _____
- A) normal operation
 - B) possible clogged evaporator
 - C) possible restricted condenser
 - D) receiver-drier at the end of its normal life
7. Technician A says that retrofitting a system is simply a matter of recovering the R-12 and recharging it with a drop-in refrigerant. Technician B says that the charge level specification is the same with R-134a as with R-12. 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. When should the service technician check for technical service bulletins? 8. _____
- A) As soon as the work order is received with the customer complaint shown
 - B) Before performing a visual inspection
 - C) After checking for any stored diagnostic trouble codes
 - D) After making the repair
9. The low-side pressure is low and the high-side pressure is higher than normal. What is the most likely cause? 9. _____
- A) Low refrigerant charge level
 - B) System is overcharged. Expansion valve is stuck open
 - C) Restriction on the low-side line
 - D) Restriction on the high-side line
10. A musty, moldy smell in the air-conditioning system is usually due to _____. 10. _____
- A) mildew-type fungus growth
 - B) a restricted evaporator
 - C) a clogged condenser
 - D) a weak or defective AC compressor

Answer Key

Testname: AHAC9_16B

1. D
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2. A
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3. D
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4. C
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5. C
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6. A
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7. D
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8. C
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9. D
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10. A
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