

Automotive Heating and Air Conditioning, 9th Edition

Quiz 7B

NAME _____

1. What does the snowflake button on the dash do? 1. _____
 - A) Selects defrost
 - B) Selects defog
 - C) Turns on the A/C compressor
 - D) Selects fresh outside air

2. Which of these devices is NOT used to control the airflow in an HVAC system? 2. _____
 - A) Vacuum motor
 - B) Electric motor
 - C) Cable
 - D) Exciter module

3. What is the control device used inside an electric A/C control actuator? 3. _____
 - A) Solenoid
 - B) Electric motor
 - C) Vacuum motor
 - D) Linear divider

4. On an older vehicle, what will happen if the vacuum supply hose is disconnected? 4. _____
 - A) No heat
 - B) Defrost only
 - C) A/C dash vents too much air
 - D) Cold air on the floor

5. Most recent HVAC actuators are recalibrated after replacement by _____. 5. _____
 - A) using a battery and jumper wires
 - B) using a scan tool or allow it to self-learn after being installed
 - C) turning the ignition switch to the off position
 - D) None of the above

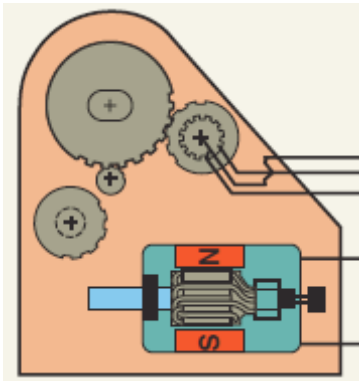
6. A five-wire actuator uses two wires to power the motor (power and ground) and three wires for _____. 6. _____
 - A) direction control
 - B) a feedback potentiometer
 - C) static electricity protection
 - D) redundant control

7. A five-wire actuator uses two wires to power the _____ and three wires for a _____. 7. _____
 - A) motor; potentiometer
 - B) potentiometer; ground
 - C) motor; linear divider
 - D) potentiometer; motor

8. If an A/C system is set to "BI-LEVEL" where is the air directed? 8. _____
A) Floor only
B) Floor and defrost
C) Dash vents only
D) Dash vents and floor

9. Inside the air distribution system, where is the temperature-blend door located? 9. _____
A) In front of the heater core
B) After the heater core
C) Before the evaporator
D) At the dash vent outlets

10. Identify this component. 10. _____



- A) Door actuator
- B) HVAC door actuator
- C) Clock
- D) Window motor

Answer Key

Testname: AHAC9_7B

1. C
Page Ref: 89
2. D
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3. B
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4. B
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5. B
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6. B
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7. A
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