

Name: _____

Date: _____

1. Which switch is mounted at the condenser outlet and is used to cut out the compressor clutch if the temperature is too high?

- A. High-pressure cutout switch
- B. Low-pressure cutout sensor
- C. High-temperature cutoff sensor
- D. Pressure cycling switch

2. The pressure cycling switch in an A/C system is primarily used to:

- A. Control the flow of refrigerant
- B. Prevent evaporator icing
- C. Regulate the temperature of the evaporator
- D. Connect the compressor to the condenser

3. Which of the following switches is used to sense high-side pressure and can also control radiator shutters or fan motor?

- A. Trinary pressure switch
- B. Thermostatic cycling switch
- C. Pressure cycling switch
- D. Low-pressure switch

4. The Power Steering Compressor cutoff switch is used to:

- A. Regulate the flow of refrigerant
- B. Stop the compressor when the pressure in the power steering rises
- C. Control the temperature of the evaporator
- D. Connect the compressor to the condenser

5. Which of the following is NOT a function of electrical switches in A/C systems?

- A. Control fan motors
- B. Protect the compressor
- C. Increase the refrigerant flow
- D. Prevent evaporator icing

6. The thermostatic cycling switch in an A/C system is calibrated to open at temperatures:

- A. Above 32°F (0°C)
- B. Below 32°F (0°C)
- C. Above 40°F (4°C)
- D. Below 40°F (4°C)

7. Which of the following switches is designed to prevent compressor operation when ambient temperature is below a certain point, about 35°F to 40°F (2°C to 4°C)?

- A. Ambient sensor or switch
- B. Compressor high-pressure sensor
- C. Compressor RPM sensor
- D. Evaporator pressure sensor

8. The compressor RPM sensor provides input to the ECM/BCM to:

- A. Regulate the flow of refrigerant
- B. Control the temperature of the evaporator
- C. Indicate that the compressor is running
- D. Connect the compressor to the condenser

9. Which of the following switches is mounted in the compressor suction cavity and is used to cut out the compressor clutch if pressure is too low?

- A. Compressor high-pressure sensor
- B. Compressor low-pressure sensor
- C. Ambient sensor or switch
- D. Evaporator temperature sensor

10. A relay in an A/C system is essentially:

- A. A variable signal provider
- B. An input to an electronic control module
- C. A magnetic switch controlled by another switch
- D. A temperature regulator

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Chapter 61

Multiple Choice Quiz B

Answer Key

1. C

2. B

3. A

4. B

5. C

6. B

7. A

8. C

9. B

10. C