

Automotive Technology 7th Edition
Chapter 63: Automatic Air-Conditioning and Heat Pump Systems
Matching Quiz

Name: _____ Date: _____

Matching: Choose the item in column 2 that best matches each item in column 1.

- | | | |
|---|--|-----------|
| 1. Automatic Temperature Control (ATC) System | A. Measures the temperature of the air leaving the evaporator. | 1. _____ |
| 2. Outside Air Temperature (OAT) Sensor | B. Measures the temperature of the engine coolant. | 2. _____ |
| 3. In-vehicle Temperature Sensor | C. Measures outside air temperature. | 3. _____ |
| 4. Discharge Air Temperature (DAT) Sensor | D. Moves doors to provide needed airflow. | 4. _____ |
| 5. Evaporator Temperature (EVT) Sensor | E. Converts system pressure into an electrical signal. | 5. _____ |
| 6. Sun Load Sensor | F. Measures the temperature of the air leaving the dash vents. | 6. _____ |
| 7. Compressor Speed Sensor | G. Controls airflow to the passenger compartment and maintains comfortable temperature and humidity. | 7. _____ |
| 8. Engine Coolant Temperature (ECT) Sensor | H. Measures radiant heat load to determine in-vehicle temperature increase. | 8. _____ |
| 9. Pressure Transducer | I. Used by the ECM to know if the compressor is running and detect excessive slipping. | 9. _____ |
| 10. Actuator | J. Often mounted behind the instrument panel and uses an aspirator tube | 10. _____ |

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Answer Key

Answer Key:

1. G
2. C
3. J
4. F
5. A
6. H
7. I
8. B
9. E
10. D