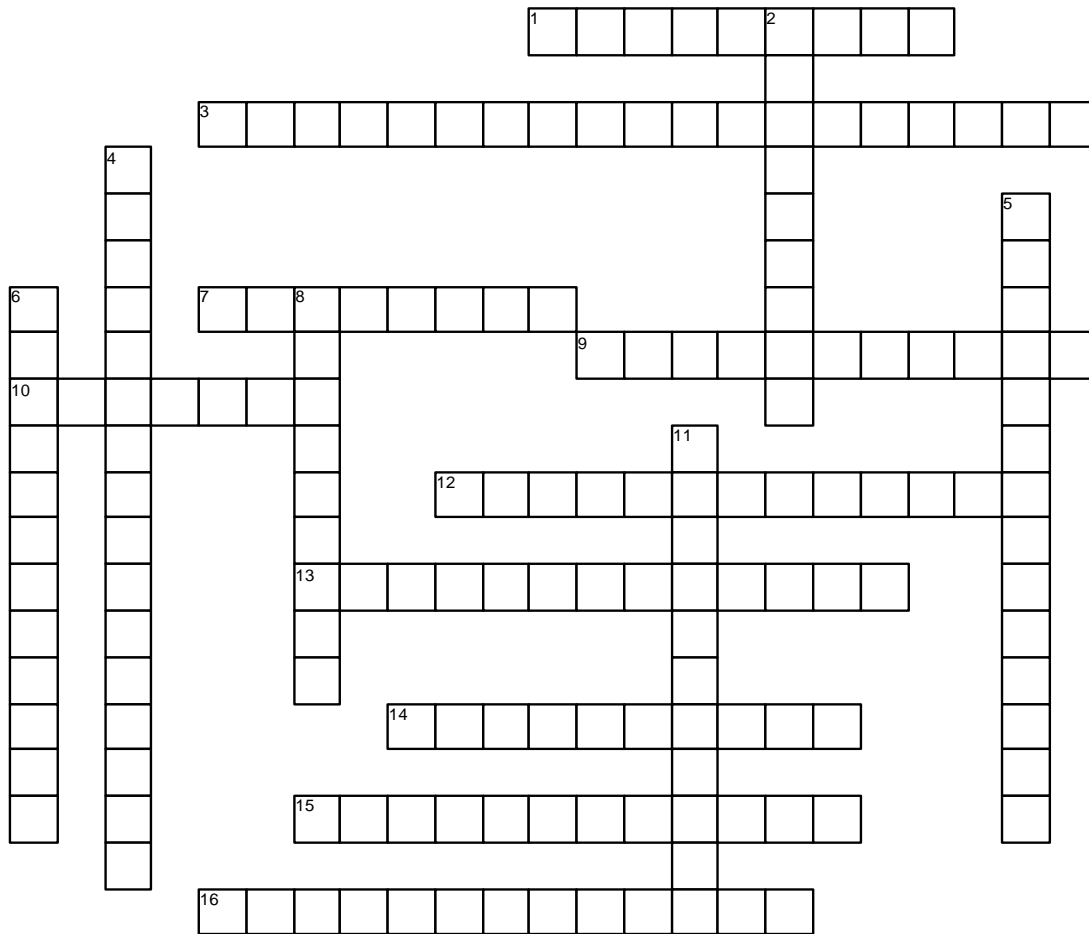


Automatic Air-Conditioning System Operation

Chapter 65



<http://jameshalderman.com>

ACROSS

- 1 The purpose of the _____ air temperature sensor is to inform the controller of the actual temperature at the discharge ducts.
- 3 Many larger trucks, vans, and SUVs are equipped with _____ units.
- 7 _____ climate controls allow the driver and the passenger to select different temperatures.
- 9 _____ contain feedback potentiometers, which are used by the air-conditioning control unit to indicate actual position of the valve door.
- 10 The OAT sensor is commonly called the _____ air temperature sensor.
- 12 In many older ATC systems, air to

the sensor was forced to flow past the sensor by using an _____.

- 13 A _____ actuator is able to provide three air door positions.
- 14 The most common type of sunload sensor is a _____.
- 15 Most _____ use resistors to control the speed of the motors by dropping the amount of current flow through the motor at the lower speed.
- 16 _____ circuits use vacuum created in the intake manifold of the engine.

DOWN

- 2 The purpose of _____ is to dry the evaporator to help prevent the formation of mold and mildew

in the evaporator case.

- 4 A _____-_____ actuator is capable of positioning a valve in any position.
- 5 _____ vehicle systems need to be different than conventional systems because the engine stops when at idle if the engine is warm. As a result the engine-driven air-conditioning compressor also stops.
- 6 A _____ actuator is able to move either open or closed.
- 8 _____ temperature control systems use many of the same components as a normally adjusted system but with additional sensors.
- 11 Most late-model air-conditioning systems include a _____, which is an air filter in the outside air inlet.