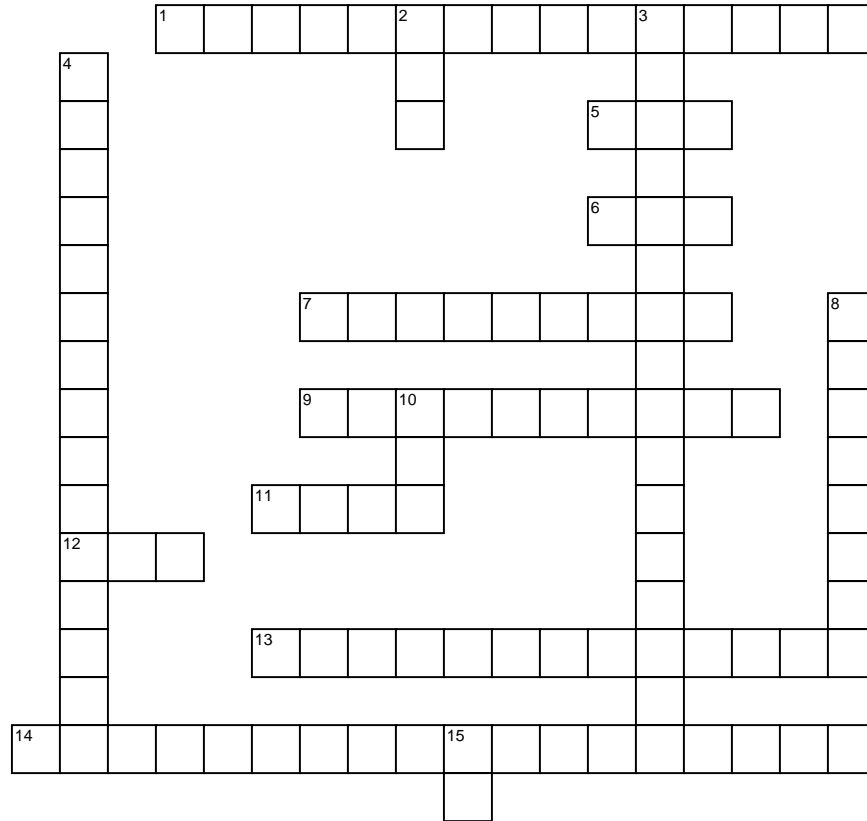


Chapter 11

Automatic Temperature Control Systems



ACROSS

- 1 This type of system is usually referred to as a _____ and allows the driver and front seat passenger to set their own desired temperature.
- 5 The _____ sensor is used to measure the temperature of the air leaving the dash ven
- 6 Most automotive thermistors are of the _____ type; the resistance changes in an inverse or negative relationship with temperature.
- 7 Temperature/blend to adjust air temperature (often just called the _____ or temperature door).
- 9 In some cases, door operating strategy is built into the door operating motors, and these are called _____.
- 11 The purpose and function of the _____ system is to provide comfortable temperature and humidity levels inside the passenger compartment.
- 12 The _____ sensor is used to measure the temperature of the air leaving the evaporator.
- 13 The _____ (also called a solar sensor) is normally mounted on top of the instrument panel and is used to measure radiant heat load that might cause an increase of the in-vehicle temperature.
- 14 A _____ can be used in the low- and/or high-pressure refrigerant line. The transducer converts the system pressure into an electrical signal that allows the ECM to monitor pressure.

DOWN

- 2 The _____ sensor, also called the ambient temperature sensor, measures outside air temperature and is often mounted at the radiator shroud or in the area behind the front grill.
- 3 In some cases, part of the A/C and heat operating strategy is built into the control head and are called _____.
- 4 Temperature/blend to adjust air temperature (often just called the blend door or _____)
- 8 Airflow to these ducts is controlled by one or more _____ controlled by the function lever or buttons.
- 10 _____ is also called automatic climatic control system or automatic air-conditioning system.
- 15 A few vehicles use a _____ sensor to determine the level of invehicle humidity.