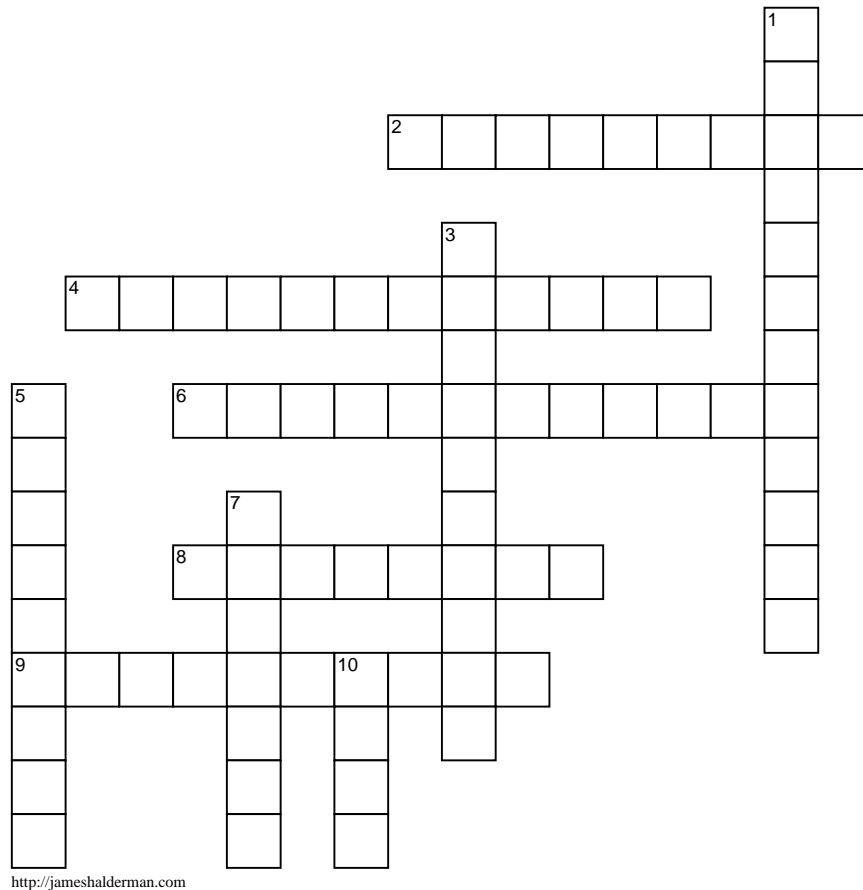


Eight, Nine, and Ten Speed Automatic Transmissions

Chapter 11



ACROSS

- 2 The 9T50 is a fully automatic, _____ transaxle, transverse mounted, electronic-controlled transmission using a torque converter, compound planetary gear set, friction and mechanical clutches and a hydraulic pressurization and control system
- 4 The 10-speed uses a _____-_____ assembly on a dedicated intermediate shaft, placed in the middle of the powerflow.
- 6 A GM 8L45/8L90 uses an _____-_____ driven binary vane-type pump located within the valve body, and 2?control valve body assemblies.
- 8 _____ transissions are developed with 4 planetary gearsets, 2 brake clutches, and 4 rotating clutches. The transmission uses a squashed converter, an off-axis pump and 4 close coupled gearsets.
- 9 Neither GM nor Ford use the _____ ZF unit.

DOWN

- 1 As the vehicle speed increases, the TCM gets input signals from the input and output _____, throttle position sensor and other vehicle sensors to determine when to turn on Shift solenoids valve A and E.
- 3 Transmission _____ must be checked between 35-45°C (95-113°F).
- 5 Transmission service _____ is performed after specific GM transmission/transaxle repairs.
- 7 On a 8L45/8L90 the _____ position allows the engine to be started and operated while driving the vehicle. This position can be selected to restart the engine with the vehicle moving. This position should even be used when towing the vehicle.
- 10 On a 8L45/8L90 the _____ position locks the rear wheels and prevents the vehicle from rolling either forward or backward.