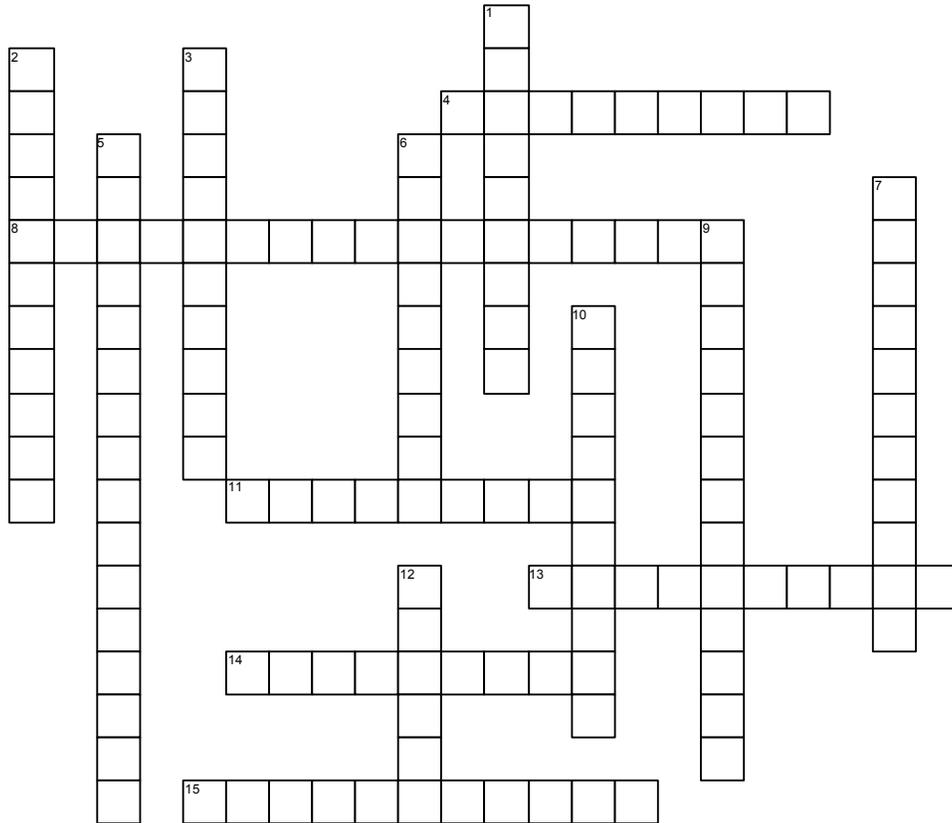


Manual Transmissions Parts and Operation

Chapter 6



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ACROSS

- 4 _____ is a measurement of fluid thickness.
- 8 _____ are always engaged with their mating gear and are mounted so that one of them can freewheel on its shaft.
- 11 In order for the main shaft to rotate counter clockwise, an _____ is meshed between the cluster gear and the reverse gear on the main shaft.
- 13 Some synchronizers use a _____, with an outer cone and an inner cone along with the blocker ring.
- 14 The synchronizer sleeve is moved by a _____ that is mounted on either a rail or a cam.
- 15 Another name for the main shaft is the _____.

DOWN

- 1 The _____ is piloted into the rear of the input shaft gear with a bearing.
- 2 Another name for the input shaft is the _____.
- 3 The _____ gear is supported by a bearing at the front of the transmission case and the pilot bearing at the end of the crankshaft.
- 5 Small, spring-loaded detent keys, also called _____, ride in slots to match these keys.
- 6 The gear that freewheels on the shaft is called the _____.
- 7 A _____ sits between the speed gear and the sleeve.
- 9 An outer _____ rides on the external hub splines with enough clearance so that it slides freely.
- 10 _____ either in the shifter linkage itself or inside the transmission/transaxle prevent the accidental selection of reverse except when shifting from neutral and also prevent selecting two gears at the same time.
- 12 A _____ is usually a spring-loaded ball or bullet-shaped rod that is pushed into one of a series of three notches or a spring-loaded lever with three notches that drop over a cam.