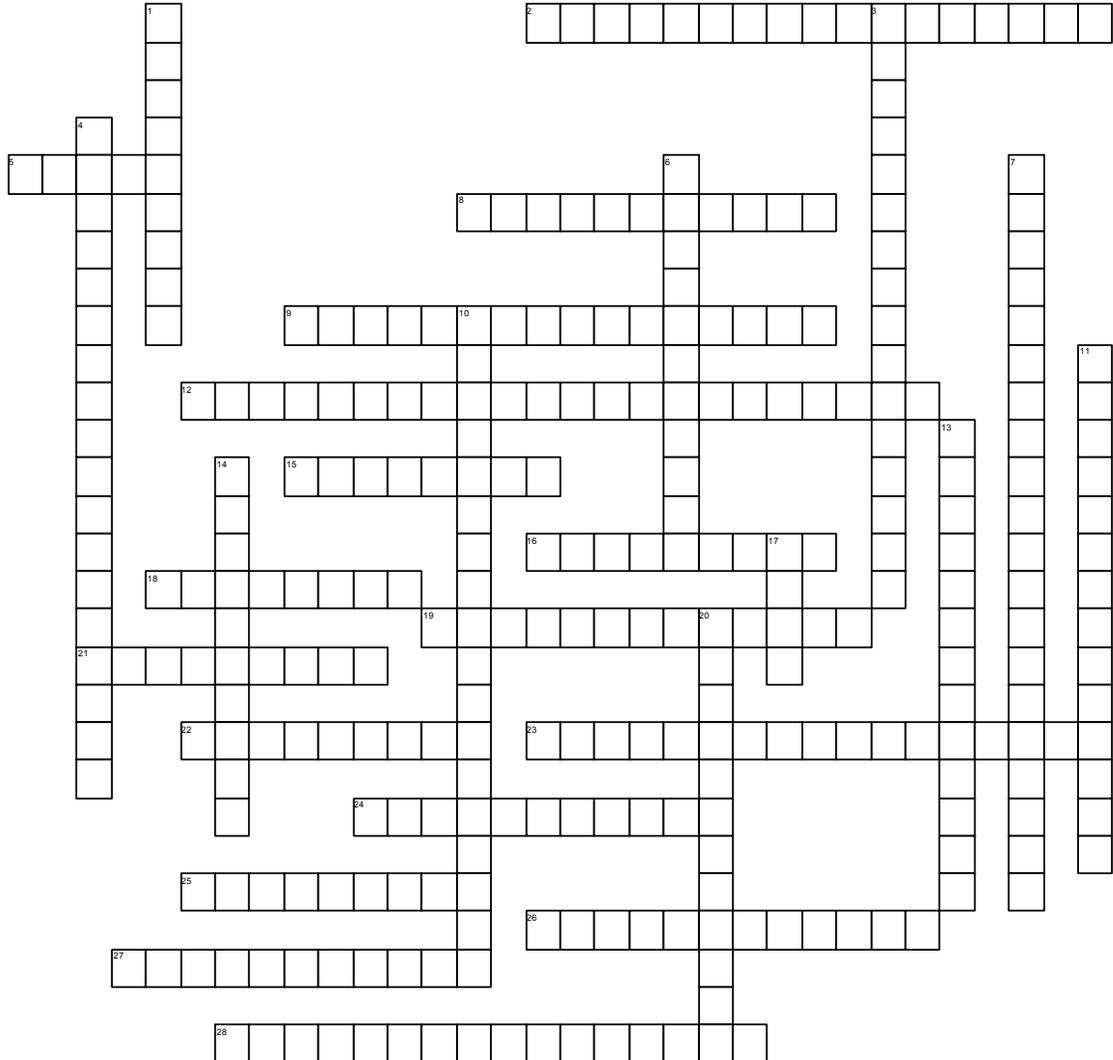


Manual Transmissions/Transaxles

Chapter 122

ACROSS

- 2 With _____, _____, the shift linkage moves the 5-reverse synchronizer sleeve away from the fifth speed gear and toward the reverse speed gear when reverse is selected.
- 5 Another name for the front bearing retainer is the _____.
- 8 The front of the transmission attaches to a separate _____.
- 9 The rear of the transmission usually includes a separate casting called the _____.
- 12 The real "shifting" in a synchromesh transmission takes place in the _____, not the gears.
- 15 A _____ sits between the speed gear and the sleeve.
- 16 In _____, the shift linkage slides the 1-2 synchronizer sleeve rearward toward the first speed gear.
- 18 The simplest type of gear is the _____.
- 19 When driven gear speed is slower than drive gear speed, _____ is provided.
- 21 The _____ is splined at the end and transmits engine torque



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- to the drive shaft through a yoke and U-joint.
- 22 _____ is an angle cut opposite to the chamfer so that spline or tooth narrows just behind the chamfered end.
- 23 Gears having teeth along the inside circumference are called _____.
- 24 When the gear

- ratio is 1:1, you get _____.
- 25 When a driven gear turns faster than its drive gear, you get _____.
- 26 All manual transmissions/transaxles use a _____ to provide the other set of gears necessary to achieve the changes in gear ratios. □

- 27 A _____ has its teeth cut at an angle to the axis of the gear.
- 28 The center transmission housing is usually referred to as the _____.
- DOWN**
- 1 The teeth of a _____ are cut at an angle to the

- outside gear surface.
- 3 Small, spring-loaded _____ ride in slots on the outer sleeve.
- 4 The _____ is another name for the differential assembly.
- 6 The _____ is another name for the main shaft.
- 7 At the front of

- the transmission is the _____ that supports the clutch throwout bearing and usually houses the grease seal.
- 10 With the _____ design, the shift linkage slides the reverse idler gear on its shaft until it engages the

- reverse gears on the countershaft and output shaft gear.
- 11 _____ have gear teeth that are curved much like the teeth of a spiral bevel gear.
- 13 Spur and helical gears have gear teeth on the outside circumference and are called _____.

- 14 The _____ is splined to the clutch disc.
- 17 Another name for the center line of a gear is the _____.
- 20 The gears on the countershaft are called _____.