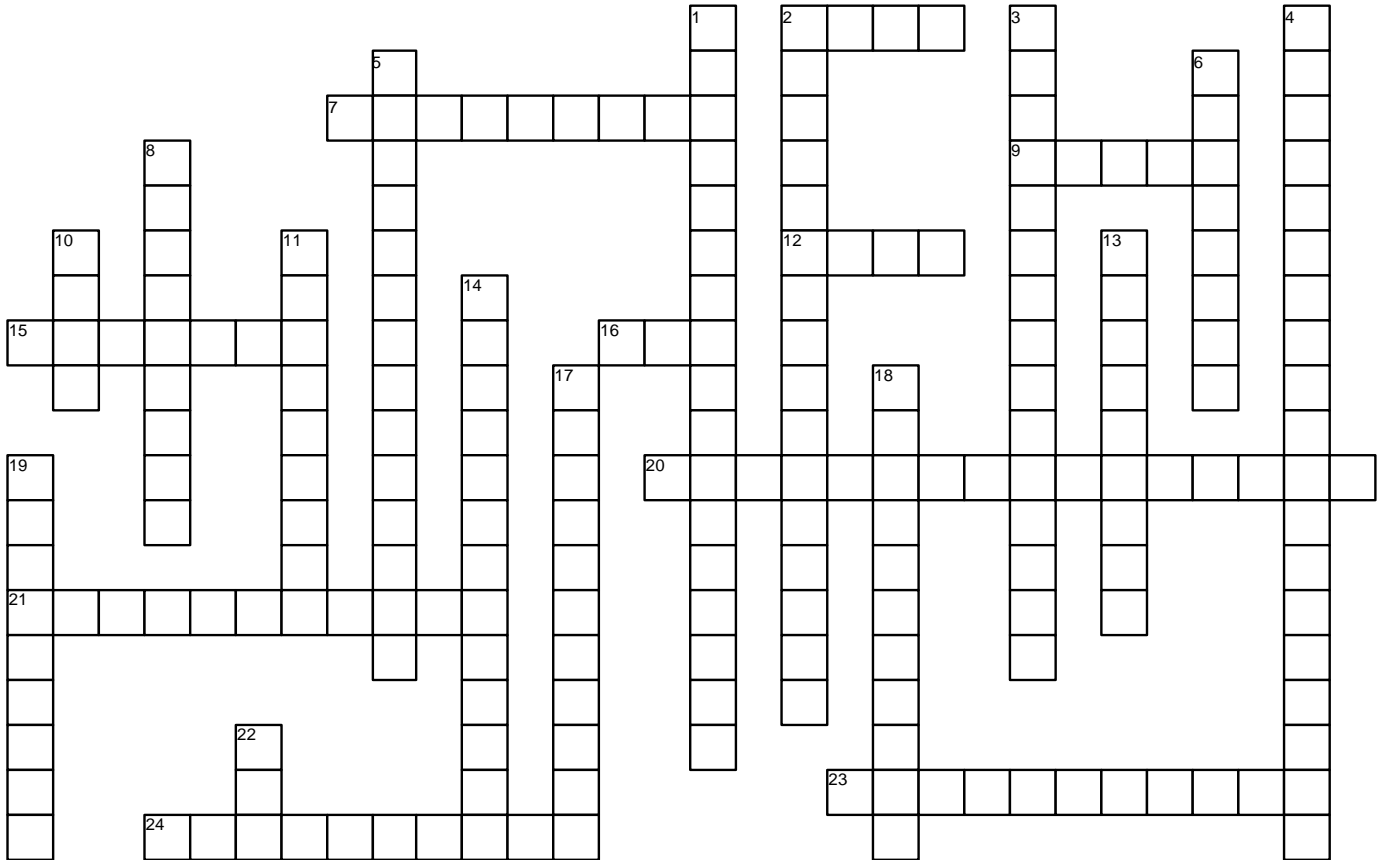


Drive Axles And Differentials

Chapter 130



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ACROSS

- 2 ____ is the simple abbreviation for a differential.
- 7 While decelerating, the drive pinion contacts the ring teeth on its ____.
- 9 The ____ is the very top of each tooth on the ring gear.
- 12 The tooth ____ is the depression lying between two teeth on the ring gear.
- 15 ____ is another name for a differential.
- 16 The ____ is the end of the slanted ring gear tooth closest to the ring gear center.
- 20 The intermediate position between drive and coast, when neither the ring gear nor the pinion is driving each other, is called the _____.

- 21 A _____ passes through the two pinion gears in the case.
- 23 The driveshaft applies torque to the _____ gear that meshes below the center line of a ring gear.
- 24 A _____ set requires gear lubrication specifically designed for this type of service.

DOWN

- 1 _____ use two mechanisms to accomplish the limited slip action.
- 2 The ring gear is attached to a _____ that also contains small beveled pinion gears.
- 3 Differentials can be designed to work on the principle of a _____.

- 4 _____ gear sets are gear sets with final drive ratios expressible as a reducible fraction not equaling a whole number.
- 5 _____ sets are gear sets with final drive ratios expressible as a whole number.
- 6 During a differential inspection, use a dial indicator to check _____ runout.
- 8 The gear ratio of the final drive is called the _____.
- 10 The ____ is the end of the slanted ring gear tooth closest to the outside circumference.
- 11 In mesh with the pinion gears are two _____ that are splined to the inner ends of the axles.
- 13 While a vehicle accelerates, the drive

- pinion contacts the ring teeth on its _____.
- 14 The drive pinion nut is tightened further until the _____ is within specifications.
- 17 _____ sets are gear sets with final drive ratios expressible in a fraction that cannot be reduced to any lower terms.
- 18 _____ are small, beveled gears located inside the differential case.
- 19 The drive pinion gear of the differential is driven by a flange often called a _____ flange.
- 22 On nonhunting and partially nonhunting gears, manufacturers ____ the contacting gear teeth to decrease wear.