Drive Axles and Differentials
Chapter 66

ACROSS
2 A ______ ____ ___ requires gear lubrication specifically designed for this type of service.
4 While a vehicle accelerates, the drive pinion contacts the ring teeth on its _________.
7 _________________ are gear sets with final drive ratios expressible as a reducible fraction not equaling a whole number.
10 A differential is also called a ____ ___.
13 On nonhunting and partially nonhunting gears, manufacturers ___ the contacting gear teeth to decrease wear.
14 _________________ are gear sets with final drive ratios expressible as a whole number.
15 Another name for pinion gears are ______ ___.
16 While decelerating, the drive pinion contacts the ring teeth on its _________.

DOWN
1 The ring gear is attached to a ____________ ____ that also contains small beveled spider gears.
3 A ________ passes through the two pinion gears in the case.
5 The intermediate position between drive and coast, when neither the ring gear nor the pinion is driving each other, is called the _________.
6 The driveshaft applies torque to the _____________ that meshes below the center line of a ring gear.
8 The ___ is the end of the slanted ring gear tooth that is closest to the outside circumference.
9 The ___ is the end of the slanted ring gear tooth that is closest to the center.
11 _________________ are gear sets with final drive ratios expressible as a fraction that cannot be reduced to any lower terms.
12 The gear ratio of the final drive is called the _________.

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