Drive Axles and Differentials
Chapter 12

ACROSS

3 Front-wheel-drive cars use a ________ or non-powered rear axle.
7 A ________-______-______-______ usually uses a ball bearing.
8 During _____, there is no load on the gear teeth, and backlash will be on both sides.
14 ________ gear sets are gear sets with final drive ratios expressible in a fraction that cannot be reduced to any lower terms.
15 A _________________ has the pinion gear below the center line.
16 The ________-______ gear ratio and tire size are selected to provide the best engine RPM for cruise speed.

DOWN

1 A powered drive axle assembly is sometimes called a ________-
2 ________-______ gear sets are gear sets with final drive ratios expressible as a reducible fraction not equaling a whole number.
4 The ring and ________ set is a hypoid type.
5 The ________ of the tooth is above the pitch line.
6 Currently, all rear-wheel-drive passenger vehicles use ________________
8 The ________ of the tooth is below the pitch line.
9 The ________ of ring gear teeth is the slanted, concave side of the tooth.
10 The ________ is the design center of contact between the two gears and is about halfway up the tooth.
11 ________ gear sets are gear sets with final drive ratios expressible as a whole number.
12 There should be a clearance at the coast side of the tooth which is called ________.
13 The ________ of the ring gear teeth is the vertical, convex side of the tooth.