Drive Axle and Differential Diagnosis and Service
Chapter 13

ACROSS

4 An important requirement while replacing the pinion shaft seal is to not disturb the drive ______ adjustment.

6 _______ is usually checked by using a dial indicator with the stylus on a side gear tooth.

7 The bearing spacer will be either a collapsible ______ or a fixed-length solid spacer.

8 _______ is usually caused by a faulty or bent differential case or an improper mounting of the ring gear onto the case.

9 _______ places enough pressure on the carrier bearings to hold the ring gear in proper mesh with the pinion gear without putting unnecessary load and drag on the bearings.

10 A tooth _______ test is an excellent method for checking proper drive pinion depth as well as proper backlash between the drive pinion and the ring gear.

11 _______ is used to find the tooth contact pattern.

DOWN

1 After installation of the pinion depth shim, pinion seal, and rear bearing, the ______ is placed on the pinion shaft and the pinion gear is installed in the carrier.

2 A drivetrain clunk during a power change can be caused by too much internal ______.

3 Because gear runout will cause backlash to change, it is sometimes referred to as ________ ________.

5 The production shims are normally replaced with a fixed-size _______ and a selective-size shim when the carrier is adjusted.