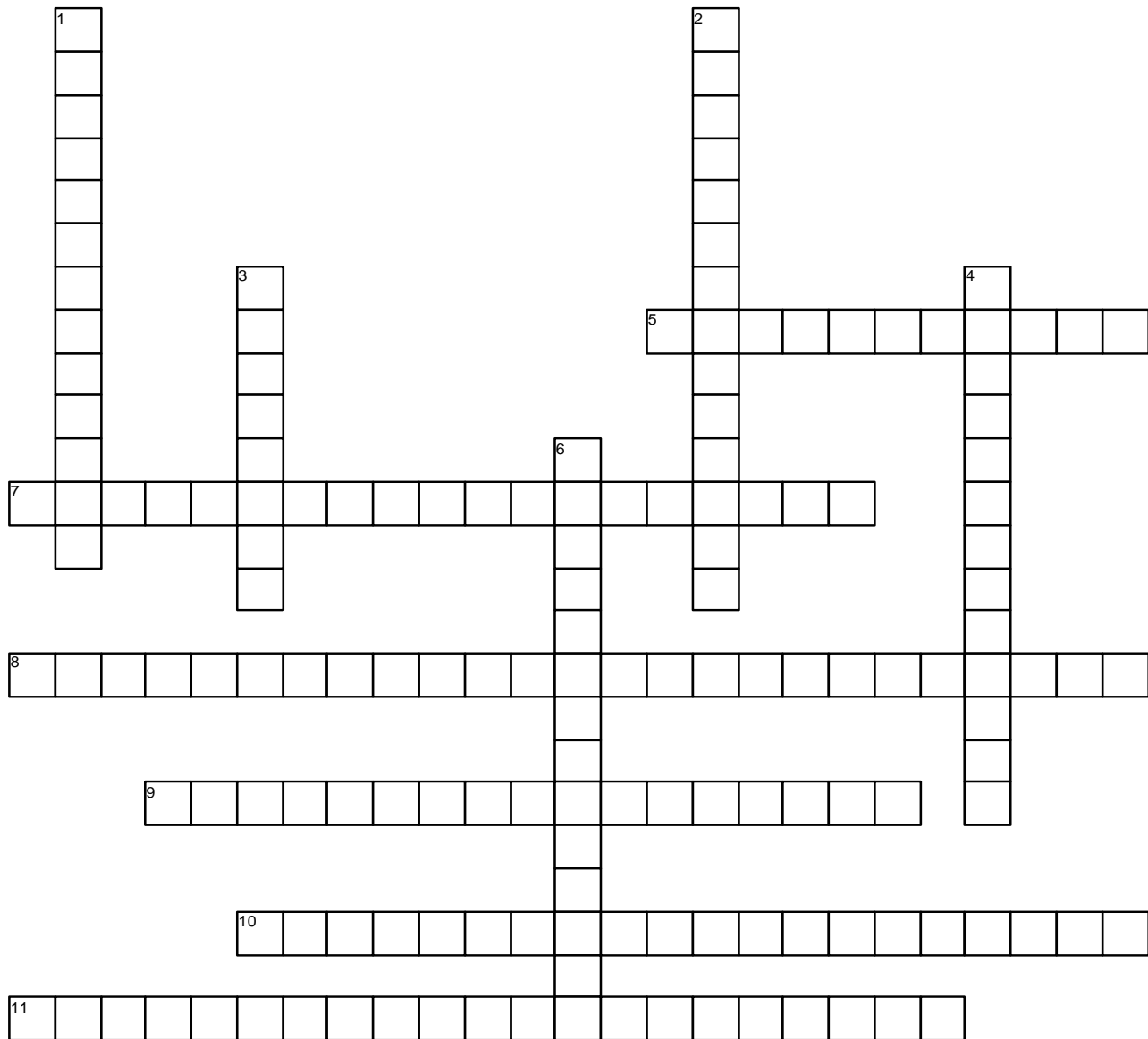


# Drive Axle and Differential Diagnosis and Service

## Chapter 13



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### ACROSS

- 5 The bearing spacer will be either a collapsible \_\_\_\_\_ or a fixed-length solid spacer.
- 7 \_\_\_\_\_ is used to find the tooth contact pattern.
- 8 \_\_\_\_\_ is usually checked by using a dial indicator with the stylus on a side gear tooth.
- 9 Because gear runout will cause backlash to change, it is sometimes referred to as \_\_\_\_\_.
- 10 An important requirement while replacing the pinion shaft seal is to not disturb the drive \_\_\_\_\_ adjustment.
- 11 \_\_\_\_\_ 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.

### 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 \_\_\_\_\_ is usually caused by a faulty or bent differential case or an improper mounting of the ring gear onto the case.
- 3 A drivetrain clunk during a power change can be caused by too much internal \_\_\_\_\_.
- 4 The production shims are normally replaced with a fixed-size \_\_\_\_\_ and a selective-size shim when the carrier is adjusted.
- 6 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.