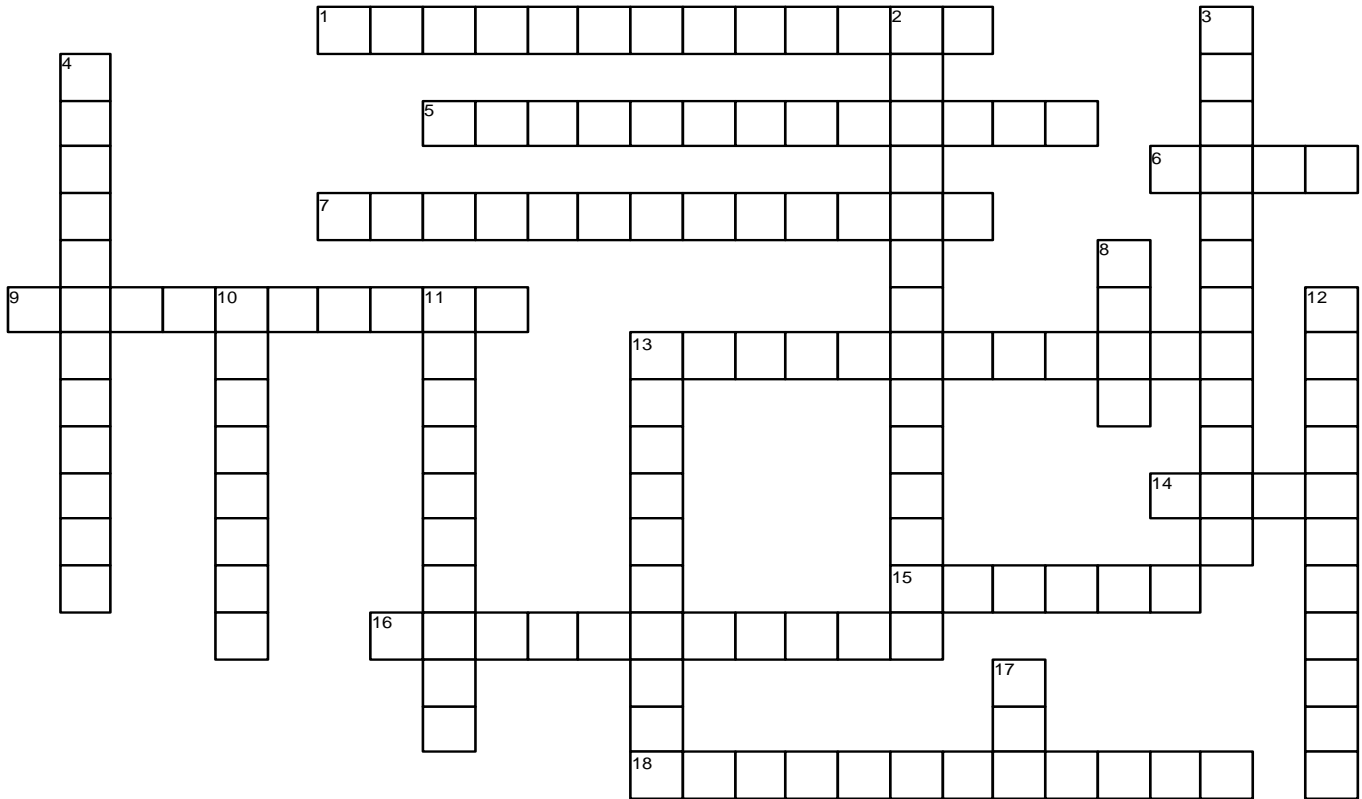


# Wheel Bearings And Service

## Chapter 10



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### ACROSS

- 1 A needle bearing is a type of roller bearing that uses smaller rollers called \_\_\_\_\_.
- 5 The \_\_\_\_\_-type rear axle uses four fasteners that retain the axle in the axle housing.
- 6 The rollers are held in place by a \_\_\_\_\_ between the inner race and the outer race.
- 7 The most commonly used automotive wheel bearing is the \_\_\_\_\_ bearings.
- 9 Install a new \_\_\_\_\_ flush with the hub using a seal driver.
- 13 \_\_\_\_\_ use hardened steel balls between the inner and outer race to reduce friction.
- 14 The \_\_\_\_\_ uses the penetration test as a guide to assign the grease a number.
- 15 \_\_\_\_\_ is oil with a thickening agent to allow it to be installed in places where a liquid lubricant would not stay.
- 16 By design a tapered roller bearing can withstand \_\_\_\_\_.
- 18 The lip is often held in contact with the moving part with the aid of a \_\_\_\_\_.

### DOWN

- 2 \_\_\_\_\_ use rollers between the inner and outer race to reduce friction.
- 3 \_\_\_\_\_ are used to seal between two surfaces that move.
- 4 \_\_\_\_\_ bearings use rolling parts inside the bearing to reduce friction.
- 8 Another name for the inner race is the \_\_\_\_\_.
- 10 In metal fatigue, the metal between the cracks can break out into small chips, slabs, or scales of metal. This process of breaking up is called \_\_\_\_\_.
- 11 Tapered roller bearings can withstand \_\_\_\_\_ in one direction.
- 12 \_\_\_\_\_ are used between two surfaces that do not move.
- 13 If a bump is hit while driving with a heavy load, the balls of a ball bearing or the rollers of a roller bearing can make an indent in the race of the bearing, this dent is called \_\_\_\_\_.
- 17 Another name for the outer race is the \_\_\_\_\_.