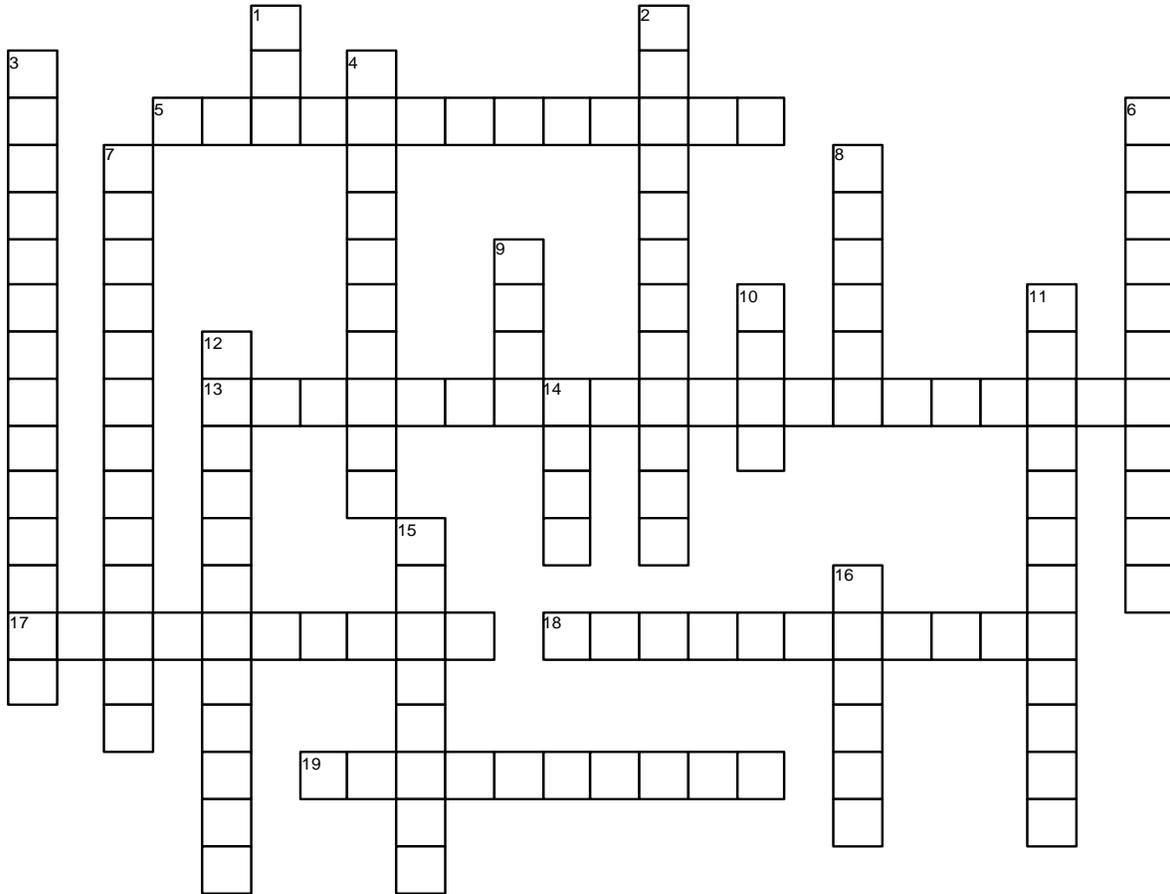


Wheel Bearings And Service

Chapter 102



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ACROSS

- 5** The most commonly used automotive wheel bearing is the _____ bearings.
- 13** _____ use rolling parts inside the bearing to reduce friction.
- 17** Install a new _____ flush with the hub using a seal driver.
- 18** By design a tapered roller bearing can withstand _____.
- 19** Tapered roller bearings can withstand _____ in one direction.

DOWN

- 1** Another name for the outer race is the _____.
- 2** _____ use hardened steel balls between the inner and outer race to reduce friction.
- 3** _____ use rollers between the inner and outer race to reduce friction.
- 4** 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 _____.

- 6** _____ are used between two surfaces that do not move.
- 7** A needle bearing is a type of roller bearing that uses smaller rollers called _____.
- 8** _____ is oil with a thickening agent to allow it to be installed in places where a liquid lubricant would not stay.
- 9** The _____ uses the penetration test as a guide to assign the grease a number.
- 10** Another name for the inner race is the _____.
- 11** _____ are used to seal between two surfaces that move.
- 12** The lip is often held in contact with the moving part with the aid of a _____.
- 14** The rollers are held in place by a _____ between the inner race and the outer race.
- 15** _____ is the process of metal between the cracks breaking into small chips, slabs, or scales of metal.
- 16** Vehicles that use _____ (clips) use a straight roller bearing supporting a semi-floating axle shaft inside the axle housing.