**Wheel Bearings**
Chapter 57

**ACROSS**

1. The most commonly used automotive wheel bearing is the ________ ________.

6. 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 __________.

8. Tapered roller bearings can withstand ________ ________ in one direction.

9. Another name for the inner race is the ____.

10. The ____ uses the penetration test as a guide to assign the grease a number.

11. ________ is oil with a thickening agent to allow it to be installed in places where a liquid lubricant would not stay.

12. By design a tapered roller bearing can withstand ________ ________.

13. Another name for the outer race is the ___.

14. The lip is often held in contact with the moving part with the aid of a ________ ________.

**DOWN**

2. ________________ use rolling parts inside the bearing to reduce friction.

3. ________________ use rollers between the inner and outer race to reduce friction.

4. ________________ use hardened steel balls between the inner and outer race to reduce friction.

5. Install a new ________ ________ flush with the hub using a seal driver.

7. A needle bearing is a type of roller bearing that uses smaller rollers called __________.

13. The rollers are held in place by a _____ between the inner race and the outer race.