**Meets ASE Task:** (A4-D-2) P-2 Inspect, service, and/or replace front and rear wheel bearings. (A5-F-1) P-2 Remove, clean, inspect, repack, and install wheel bearings; replace seals; install hub and adjust bearings.

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_

Time on Task:\_\_\_\_\_\_\_\_\_\_\_\_\_

Make/Model/Year:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

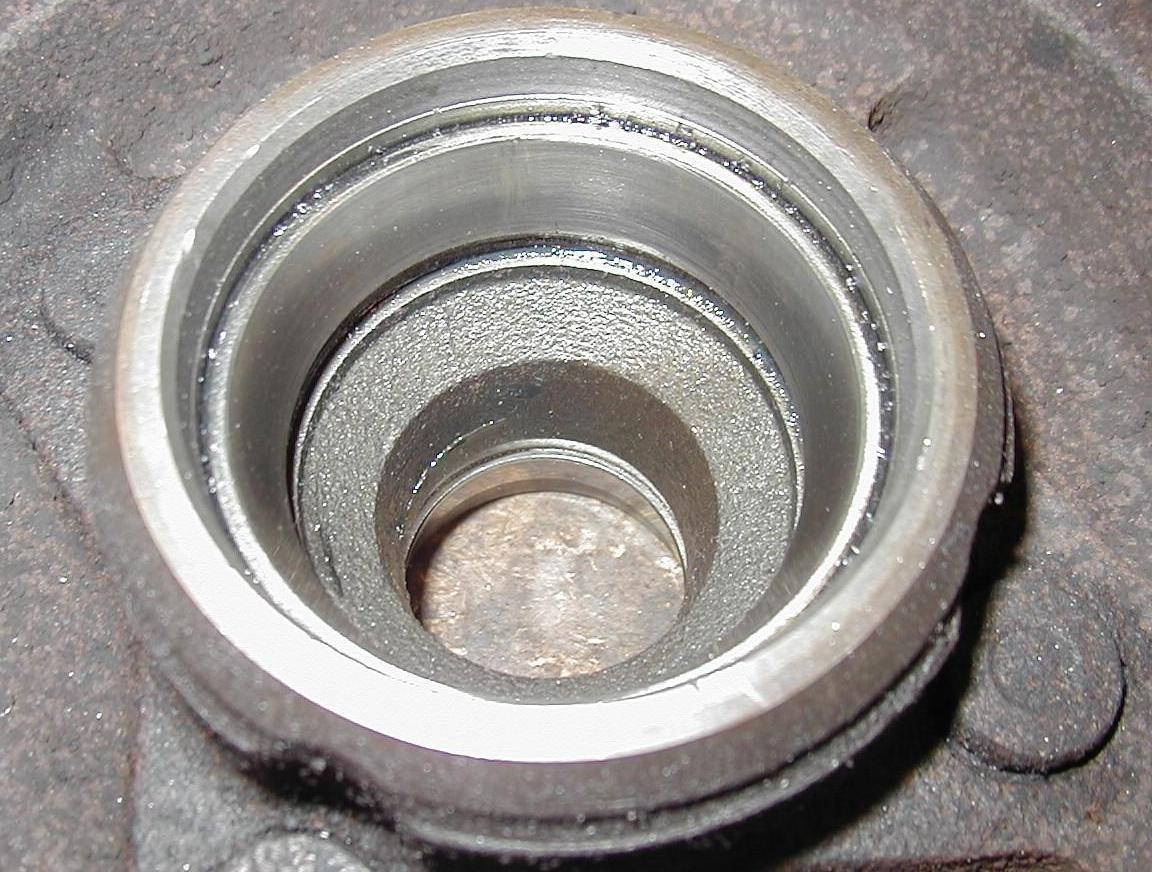
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Evaluation (Enter number from 4, 3, 2, 1) :\_\_\_\_\_\_\_\_\_

**Wheel Bearing and Race Replacement**

Page 304

**1.** Remove the wheel cover and the hub

 dust cap (grease cap).

**2**. Remove and discard the cotter key.

**3.** Remove the spindle nut, washer, and outer bearing.

**4.** Remove inner and outer bearing and grease seal.

**5.** Remove the bearing race using the specified tool.

**6.** Show the instructor the removed race.

**Instructor's OK \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**7.** Install new race using the correct bearing race installation tool.

**8.** Show the instructor the new race. **Instructor's OK \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**9.** Install a new grease seal using a seal installing tool.

**10.** Pack the new bearing with the correct type of wheel bearing grease.

**11.** Correctly adjust the bearing preload:

Install the spindle nut and while rotating the tire assembly, tighten (snug

only, 12 to 30 lb.-ft.) with a wrench to "seat" the bearing correctly in the

race.

While still rotating the tire assembly, loosen the nut approximately 1/2 turn

and then *hand tighten only*.

Install a new cotter key (the common size is 1/8” diameter and 1.5 inches

long).

Bend the ends of the cotter key up and around the nut to prevent

interference with the dust cap.

**12.** Install the hub dust cap (grease cap) and wheel cover.