**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:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

VIN:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

**Wheel Bearing and Race Replacement**

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**[ ]  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.