**Wheel Bearing and Race Replacement**

**Meets ASE Task:** (A5-F-6) P-3, (A4-D-2) P-1 Replace wheel bearing and race.

**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_ Time on Task \_\_\_\_\_\_\_\_\_\_**

**Make/Model/Year \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ VIN \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Evaluation: 4 3 2 1**

**\_\_\_\_\_ 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.