**Wheel Bearing Service**

**Meets ASE Task:** (A5-F-2) P-2 Remove, clean, inspect, repack, and install wheel bearings.

**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.** Thoroughly clean the bearing in solvent and

denatured alcohol or brake cleaner and blow

it dry with compressed air.

**\_\_\_\_\_ 6.** Closely inspect the bearing for wear or

damage.

**\_\_\_\_\_ 7**. Show the instructor the cleaned bearing. **Instructor's OK \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_ 8.** Repack the bearing with the correct type of wheel bearing grease.

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

**\_\_\_\_\_ 10.** 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.

**\_\_\_\_\_ 11.** Install the hub dust cap (grease cap) and wheel cover.