**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 Service**

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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.** 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.