

# Wheel Bearing Service

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

☐ 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.