

Wheel Bearing and Race Replacement

Meets ASE Task: A5 – F-1 – P-2

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. Remove the bearing race using the specified tool.
- ☐ 6. Install new race using the correct bearing race installation tool.
- ☐ 7. Pack the new bearing with the correct type of wheel bearing grease.
- ☐ 8. Install a new grease seal using a seal installing tool.
- ☐ 9. 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.

- ☐ 10. Install the hub dust cap (grease cap) and wheel cover.

