

Wheel Bearing and Race Replacement

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

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.