1. Remove the wheel cover and the hub dust cap (grease cap).

Evaluation (Enter number from 4, 3, 2, 1) :\_\_\_\_\_\_\_\_\_

Meets ASE Task: A5 – F-1 – P-2

Time on Task:\_\_\_\_\_\_\_\_\_\_\_\_\_

Make/Model/Year:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

VIN:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Wheel Bearing and Race Replacement**

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.

