

# Install Wheel and Torque Lug Nuts

**Meets NATEF Task:** (A5-A-4) Install wheel and torque lug nuts and make final checks and adjustments. (P-1)

Name \_\_\_\_\_ Date \_\_\_\_\_ Time on Task \_\_\_\_\_

Make/Model/Year \_\_\_\_\_ VIN \_\_\_\_\_ Evaluation: 4 3 2 1

\_\_\_\_\_ 1. Check service information and determine the vehicle manufacturer's specified lug nut torque specification.

\_\_\_\_\_ (usually between 80 and 100 lb-ft)

\_\_\_\_\_ 2. Use a hand-operated wire brush on the wheel studs to ensure clean and dry threads and check for damage.

OK \_\_\_\_\_ NOT OK \_\_\_\_\_ Describe fault: \_\_\_\_\_

\_\_\_\_\_ 3. Verify that the lug nuts are OK and free of defects.

\_\_\_\_\_ 4. Install the wheel over the studs and start all lug nuts (or bolts) by hand.

\_\_\_\_\_ 5. Tighten the lug nuts a little at a time in a star pattern using an air impact wrench equipped with the proper torque limiting adapter or a torque wrench.

\_\_\_\_\_ Used a torque wrench

\_\_\_\_\_ Used an air impact with a torque limiting adapter (torque stick)



\_\_\_\_\_ 6. Tighten the lug nuts to final torque in a star pattern.

**NOTE:** "Tighten one, skip one, tighten one" is the usual method if four or five lug nuts are used.