

# Install Wheel on Vehicle

**Meets NATEF Task:** (A4-F-8) Reinstall wheel; torque lug nuts.  
(P-1)

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

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

\_\_\_\_\_ 1. 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.

**CAUTION:** Some vehicle manufacturers warn to not lubricate the wheel studs because this can cause the lug nuts to loosen while the vehicle is being driven, resulting in personal injury.

\_\_\_\_\_ 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

\_\_\_\_\_ 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.