### Install Wheel and Torque Lug Nuts

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

**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.