**Meets ASE Task:** (A5-A-5) P-1 Install wheel and torque lug nuts.

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

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

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

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

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

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

**Install Wheel and Torque Lug Nuts**

Page 310

**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.