**Modified Vehicle ABS Problem Diagnosis**

**Meets ASE Task:** (A5-G-8) P-1 Diagnose electronic brake control system braking concerns caused by vehicle modifications (tire size, curb height, final drive ratio, etc.).

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

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

**\_\_\_\_\_ 1.** Carefully inspect the vehicle for modifications such as changes made to wheels/tires,

 axle ratio, and curb height.

 Tire size: **OK \_\_\_\_\_ NOT OK \_\_\_\_\_** (describe) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Curb (ride) height: \_\_\_ stock \_\_\_ higher \_\_\_ lower (describe) \_\_\_\_\_\_\_\_\_\_\_\_\_

 Axle ratio: \_\_\_ stock \_\_\_ unknown (describe) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**\_\_\_\_\_ 2.** Be sure that all four tires are the same size and brand.

 LF tire size = \_\_\_\_\_\_\_\_\_\_\_ Brand = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

RF tire size = \_\_\_\_\_\_\_\_\_\_\_ Brand = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

RR tire size = \_\_\_\_\_\_\_\_\_\_\_ Brand = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

LR tire size = \_\_\_\_\_\_\_\_\_\_\_ Brand = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**\_\_\_\_\_ 3.** Did any of the modifications affect the braking?

 **\_\_\_ Yes**

 **\_\_\_ No** (describe) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**\_\_\_\_\_ 4.** Did the modifications set an ABS diagnostic trouble code (DTC)?

 **\_\_\_ Yes** (describe) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 **\_\_\_ No**

**\_\_\_\_\_ 5.** Check the service information and record the specified procedure to follow when

 servicing an antilock brake system on a vehicle that has been modified.

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