

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.