



# Modified Vehicle ABS Problem Diagnosis

**Meets NATEF Task:** (A5-G-9) Diagnose electronic brake control system braking concerns caused by vehicle modifications (tire size, curb height, final drive ratio, etc.). (P-3)

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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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