



# Diagnose ABS System Concerns

Meets NATEF Task: (A5-G-4) Diagnose ABS operational concerns; determine necessary action. (P-2)

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

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

\_\_\_\_\_ 1. **Poor stopping** – Check the following system or components.

A. Tires – condition and sizes      **OK** \_\_\_\_\_      **NOT OK** \_\_\_\_\_

B. Base brake components such as calipers, pads, and drive brake components

**OK** \_\_\_\_\_      **NOT OK** \_\_\_\_\_

\_\_\_\_\_ 2. **Abnormal pedal feel or pulsation** – Check the following components.

A. Wheel speed sensor tone ring or wiring for damage.

**OK** \_\_\_\_\_      **NOT OK** \_\_\_\_\_

B. Brake rotors and drum for out-of-round or other faults

**OK** \_\_\_\_\_      **NOT OK** \_\_\_\_\_

C. Master cylinder and brake fluid for level or contaminants

**OK** \_\_\_\_\_      **NOT OK** \_\_\_\_\_

\_\_\_\_\_ 3. **Wheel lockup** – Check the following components.

A. Base brake friction material (pads and linings) for grease, excessive wear or contamination.

**OK** \_\_\_\_\_      **NOT OK** \_\_\_\_\_

B. Wheel speed sensor tone ring for damage

**OK** \_\_\_\_\_      **NOT OK** \_\_\_\_\_

C. Excessively worn or mismatched tires

**OK** \_\_\_\_\_      **NOT OK** \_\_\_\_\_

\_\_\_\_\_ 4. **Abnormal noise** – Check the following components.

A. Accumulator leakage creating the need for extended pump operation

**OK** \_\_\_\_\_      **NOT OK** \_\_\_\_\_

B. Base brakes for excessive wear or defective friction components

**OK** \_\_\_\_\_      **NOT OK** \_\_\_\_\_

\_\_\_\_\_ 5. Based on the diagnosis, what is the necessary action? \_\_\_\_\_