

**► TASK** Test, diagnose, and service electronic brake control system speed sensors (digital and analog), toothed ring (tone wheel), and circuits using a graphing multimeter (GMM)/digital storage oscilloscope (DSO) (includes output signal, resistance, shorts to voltage/ground, and frequency data).

**MAST**  
5G7

**CDX Tasksheet Number: C639**

Time off\_\_\_\_\_

Time on \_\_\_\_\_

Total time\_\_\_\_\_

1. List the ABS brake-related customer complaint/concern:
  
  
  
  
  
  
  
  
  
  
2. Research the particular concern in the appropriate service information. List the possible causes:
  
  
  
  
  
  
  
  
  
  
3. Carry out the tests using a graphing multimeter (GMM) or digital storage oscilloscope (DSO) and list your results. The tests should include:
  - a. Output signal: \_\_\_\_\_
  - b. Resistance: \_\_\_\_\_
  - c. Shorts to voltage/ground: \_\_\_\_\_
  - d. Frequency data: \_\_\_\_\_
  
  
  
  
  
  
  
  
  
  
4. Note your conclusions here:
  
  
  
  
  
  
  
  
  
  
5. Determine any necessary action(s) to correct the fault:
  
  
  
  
  
  
  
  
  
  
6. Have your supervisor/instructor verify satisfactory completion of this procedure, any observations found, and any necessary action(s) recommended.

### Performance Rating

CDX Tasksheet Number: C639

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Supervisor/instructor signature \_\_\_\_\_ Date \_\_\_\_\_