## **ABS Wheel Speed Sensor Testing**

Meets ASE Task: (A5-G-7) P-2 Test, diagnose, and service ABS wheel speed sensors.

Name	Date	Time on Task	
Make/Model/Year	VIN	Evaluation: 4 3 2	1
A magnetic wheel speed sensor grounded.	can fail in a variety of ways in	ncluding: electrically shorted, op	pen, or
<b>1.</b> Locate and disconnect needed.	ct the wheel speed sensor conr	nector. Hoist the vehicle if	
<b>2.</b> Disconnect the whee read ohms.	l speed sensor (WSS) connect	or and connect a digital meter se	t to
<b>3.</b> Measure the resistant	ce at the sensor terminals.		
WSS resistance	=		
Compare the res specifications = (usually about 10			
OK NO	DT OK		
ground and the other	-	neter lead to a good clean chassi SS connector. This test determinindicates infinity (OL).	
Meter reading =	should be infinity (OL)	). OK NOT OK	-
5. Set the digital meter	to read AC volts.		
6. Connect the leads of	the meter to the terminals of t	he wheel speed sensor.	
<b>7.</b> Have an assistant spi	n the wheel and observe the A	C voltage on the meter display.	

Reading = \_\_\_\_\_ AC volts (should be over 0.1 V (100 mV)

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

**8.** Observe the wheel speed sensor using a graphing multimeter (GMM) or a digital storage oscilloscope (DSO). Draw the waveform displayed while an assistant spins the wheel.