BTC Automotive Technology

Job Sheet: ABS1 – ABS Wheel speed sensor

Objective: To gain experience in the proper testing procedures of a wheel speed sensor.

Procedure: Test a wheel speed sensor using a lab scope and DMM. Record the following data.

Vehicle: ____________________________________________________________

1. List type of ABS system on vehicle:

   Channels:

   Integral / non-integral?

   Manufacture & model:

2. How many sensors does this system have?

3. Test a wheel speed sensor and record the following:

   Sensor resistance: _______________

   NOW, while rotating wheel by hand:

   Peak to peak voltage: _______________

   RMS voltage: _______________

   Frequency: _______________

4. Does it matter if the wheel is rotating when measuring sensor resistance?

5. Why or why not?