

How to Perform an Ignition Circuit Resistance Test

NOTE: This test checks the condition of the connections, wiring, ignition coil primary, and primary circuit resistor.

Step 1 - Attach the voltmeter leads to (D and E – see Figure 2).

Step 2 - Turn the voltmeter knob (B - Figure 2) to the 9-VOLT scale (note: may be 10v or 12v on your volt meter – make it anything higher than 6v if you have a 6v system).

Step 3 - Turn on the ignition switch, but **do not start the engine**. Leave the switch on for approximately 3 minutes to warm up the circuit.

Step 4 - Check the reading on the voltmeter scale (A - Figure 2). If the meter reads backwards, reverse the leads.

NOTE: If no reading is obtained on the voltmeter scale, the distributor points are open and may be closed by turning the engine over (**without starting it – use hand crank or pulley turner**). See Figure-2 below for specifications on the maximum voltage drop from point-to-point.

Follow this procedure attaching the voltmeter leads to the following points in Figure 2:

- E and F
- F and G
- G and H
- H and I

APPROXIMATE VOLTAGE DROP AROUND IGNITION CIRCUIT WITH SWITCH ON AND ENGINE STOPPED		
Circuit	Normal	Max.
Neg. Battery to Terminal Block	0.025	0.2
Terminal Block to Switch Side of Resistor	0.115	0.2
Across Resistor	3.65	
Resistor to Coil	0.025	0.2
Coil to Ground	2.45	

Figure 1 - Voltage Drop Specifications

