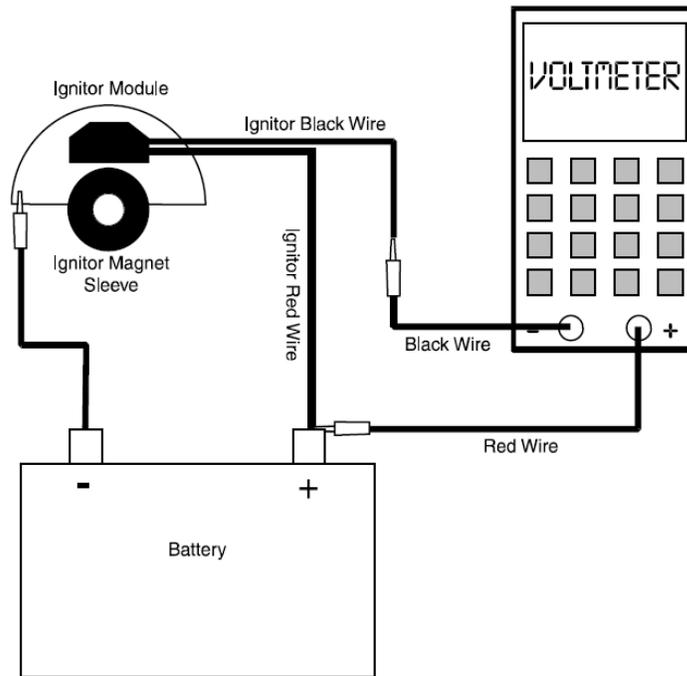


12V NEGATIVE GROUND IGNITOR TEST

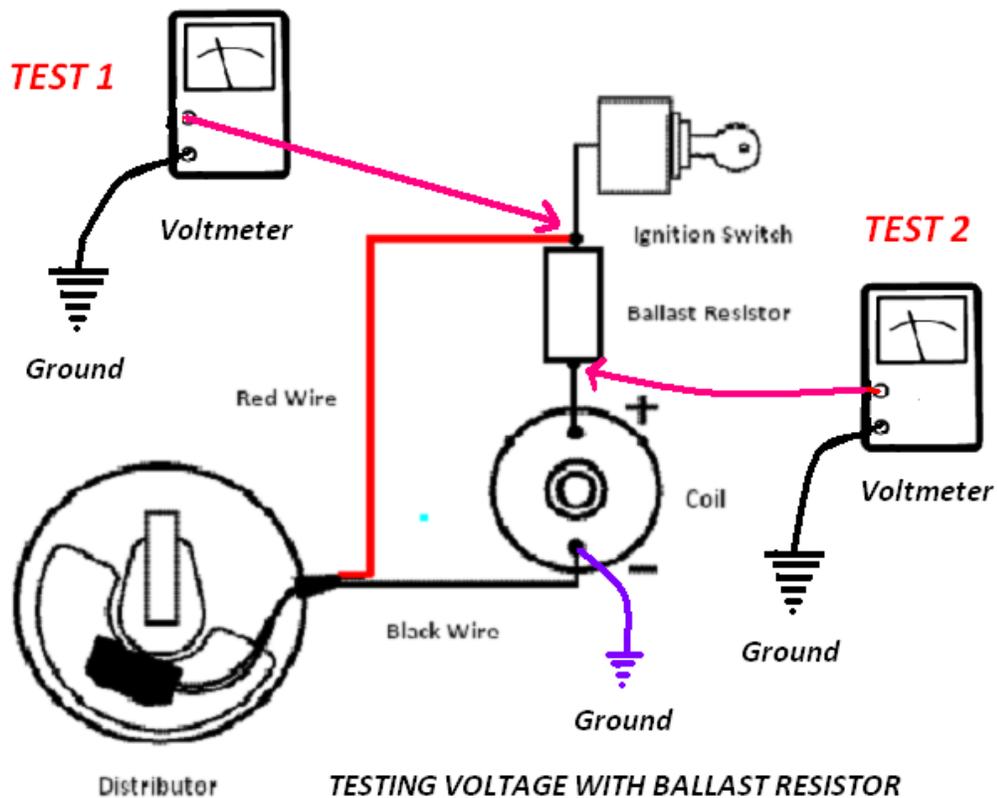


4, 6, 8, and 12 Cylinder Engines

1. Connect a jumper wire from the Ignitor plate to the battery negative terminal.
2. Connect the Ignitor Red wire to the battery positive terminal.
3. Attach the red voltmeter lead the positive terminal of the battery.
4. Attach voltmeter black lead to the Ignitor black wire.
5. The voltmeter should read battery voltage once all the connections are made.
6. **All 1 Cyl, 2 Cyl, 3 Cyl, and Ignitor #1441A, see below for testing procedures.**
7. The magnet sleeve uses (1) magnet per cylinder. Using a paper clip, locate and mark one magnet.
8. Rotate the magnet in front of the module; the meter should drop from battery voltage to 2-3 volts every time the magnet passes the module. Note: The voltage may drop to 0 volts, this is normal.
9. If the voltage doesn't drop and you read a constant battery voltage, the Ignitor has failed.

1 Cyl, 2 Cyl, 3 Cyl, and Ignitor #1441A

1. Connect a jumper wire from the Ignitor plate to the battery negative terminal.
2. Connect the Ignitor Red wire to the battery positive terminal.
3. Attach the red voltmeter lead the positive terminal of the battery.
4. Attach voltmeter black lead to the Ignitor black wire.
5. The voltmeter should read battery voltage once all the connections are made.
6. The magnet sleeve uses (2) magnets per cylinder; one magnet turns it "ON" and one magnet turns it "OFF". Using a paper clip, locate and mark all the magnets on the magnet sleeve.
7. Rotate the magnet sleeve in front of the module, as one magnet passes the module, the voltage will drop to 0-volts, when the next magnet passes, the voltage will go up to battery voltage.
8. If the voltage doesn't drop and you read a constant battery voltage on your meter, the Ignitor has failed.

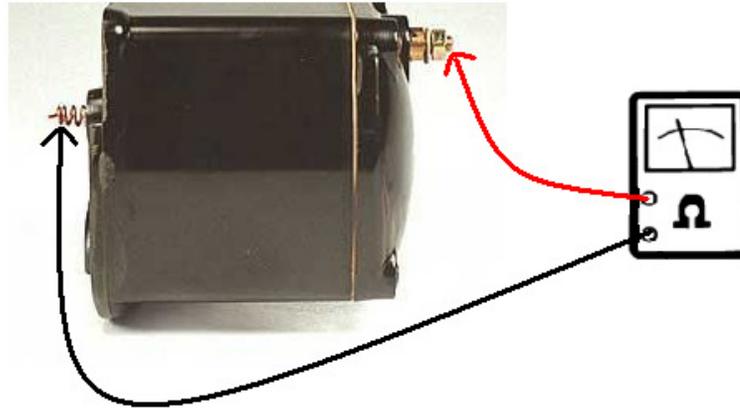


TESTING VOLTAGE WITH BALLAST RESISTOR

1. Ground negative terminal of the coil with a jumper wire (See Purple wire).
2. **TEST 1:** Measure voltage on the Ignition side of the Ballast resistor and note reading. A normal voltage reading is about 11.5V.
3. **Test 2:** Measure voltage after the resistor and note reading. Voltage must be 5.2V or greater.
4. **REMOVE PURPLE JUMPER WIRE OR ENGINE WILL NOT START.**

8N & 9N FORD

FRONT MOUNT DISTRIBUTORS



HOW TO MEASURE COIL RESISTANCE:

1. Set Ohmmeter to the lowest scale setting. Most ohmmeters have a 200 ohm scale as the lowest setting (NOT 200K).
2. Connect ohmmeter leads as specified on diagram.
3. Note ohmmeter reading.

Coil Specifications

ENGINE	Resistance Specifications	
Cylinders	Minimum	Maximum
4	3.0 ohms	4.5 ohms

NOTE:

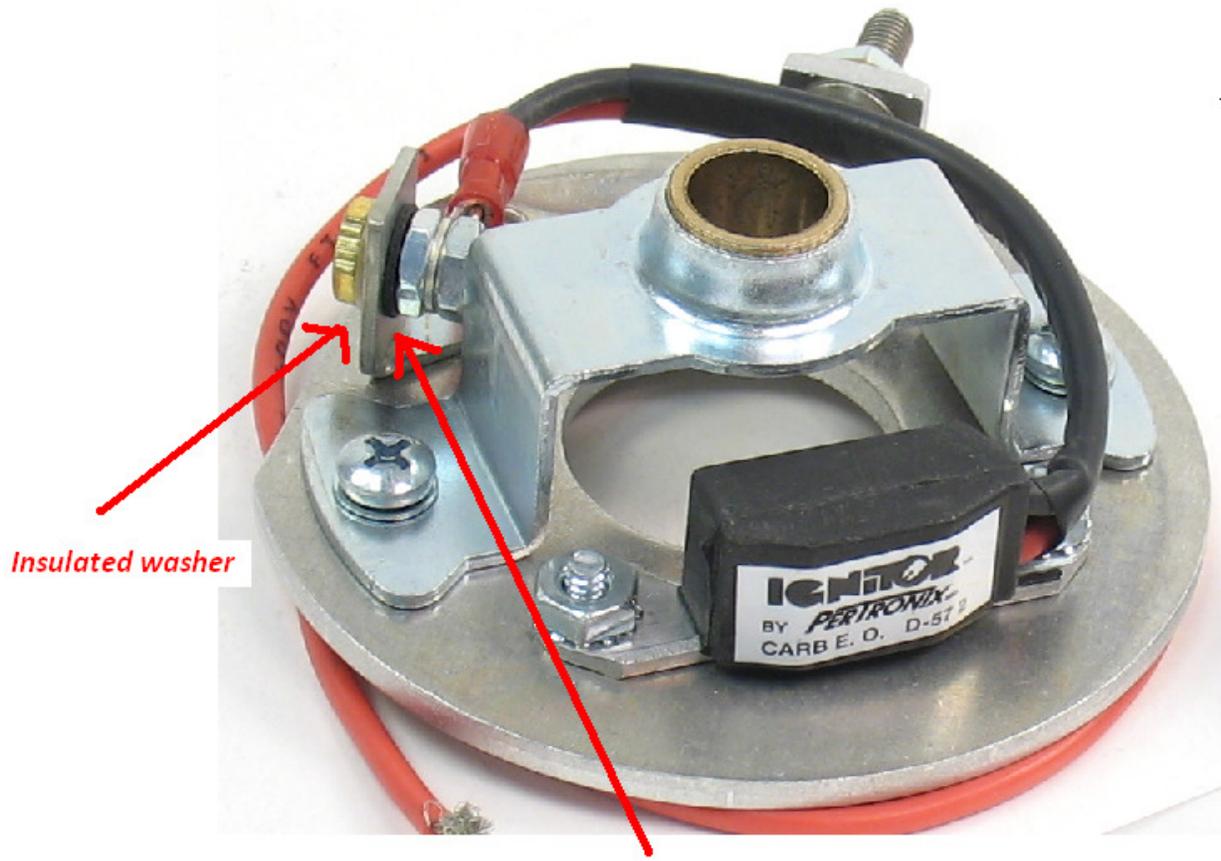
IF THE COIL RESISTANCE IS LESS THEN 3.0 OHM A BALLAST RESISTOR MUST BE INSTALLED.

EXAMPLE:

3.0 OHMS MEASURED - NO RESISTOR REQUIRED.

1.5 OHMS MEASURED - A 1.5 OHM BALLAST MUST BE INSTALLED.

1.0 OHMS MEASURED - A 2.0 OHM BALLAST MUST BE INSTALLED.



Insulated washer

Insulated washer