MAGNETIC BREAKERLESS TEST PROCEDURE

NOTE: IF YOU ARE USING A CD IGNITION BOX, YOU MUST BYPASS IT BEFORE PERFORMING THIS TEST!

(1) Remove cap and rotor. Turn ignition ON and take a voltage reading at the POSITIVE (+) side of the coil (black lead to GROUND and red lead to coil POSITIVE + post). The voltage should read about 6 volts.

(2) Line up reluctor and pick-up as shown in Figure 1. If battery voltage is present, take a flat blade screw driver and short between the pick-up and reluctor blade (Figure 2). The voltage should go up to 12 volts momentarily and then go back down to battery voltage. If it does, then the module is good.

(3) If the test results are as follows:

(a) Voltage does not go up, module is bad and must be replaced. May have been caused by power surge, high resistance in the plugs or plug wires, or improper ground. Possible charging system load dump.

(b) Voltage always stays below 6 volts. Module has been spiked by high voltage or amperage, lack of ballast resistor, or improperly wired up. Possible causes are:

(1) Faulty charging system (stuck or shorted regulator/alternator)

(2) Faulty starting system (starter drag)

(3) Non suppression spark plug wires (copper or stainless core wires). Need to be carbon core or spiral wound plug wires.

(4) Large amperage alternator

(5) High amp stereo equipment

(6) CB Radio

(7) Direct shorts in the ignition or electrical system

(8) Trying to start motor with a battery charger hooked up

(9) Welding on the vehicle with the distributor hooked up (disconnect 3-wire plug of the distributor before welding)

(10) Faulty or improper grounding of module

If you must replace the module, use Part No. 609.

If you are not sure of the results after testing the module, call Mallory Customer Service at (775) 882-6600.

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FIGURE 1

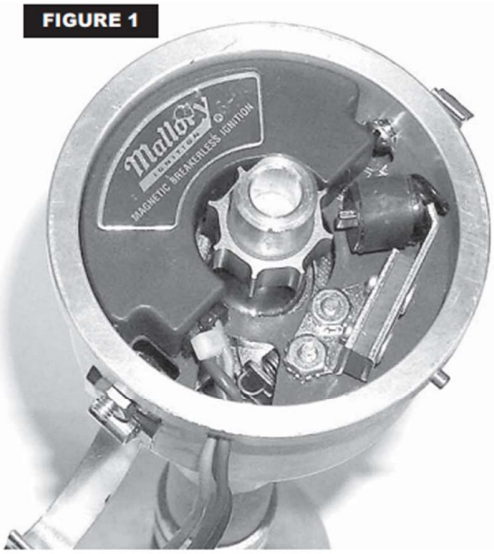


FIGURE 2

