EXTERNALLY MOUNTED

See Figure 1

1. Disconnect the coil wires and set the ohmmeter on the high scale.
2. Connect the ohmmeter to the ignition coil as illustrated in Step 1 of the accompanying figure.
3. The ohmmeter should read near infinite or very high.

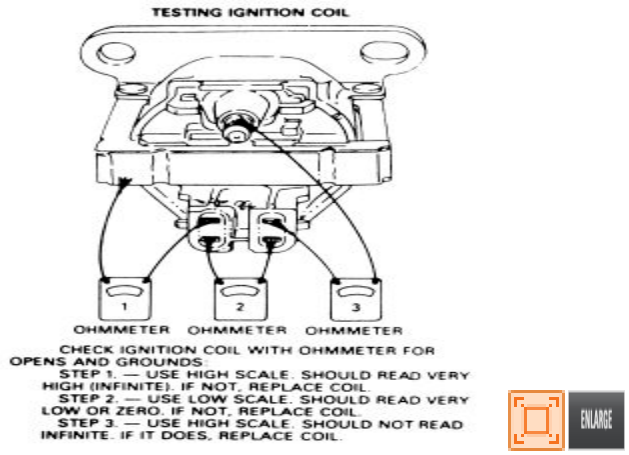

Fig. Fig. 1: Testing external ignition coil

1. Next, set the ohmmeter to the low scale and connect test leads as illustrated in Step 2 of the accompanying figure.
2. The reading should be very low or zero.
3. Now set the ohmmeter on the high scale and connect test leads as illustrated in Step 3 of the accompanying figure. The ohmmeter should not read infinity.
4. If any results of the 3 tests listed above do not agree with the desired readings, replace the ignition coil.

INTERNALLY MOUNTED

See Figure 2

1. Connect an ohmmeter between the *TACH* and *BAT* terminals on the ignition coil. The primary coil resistance should be less than ohms;.
2. To check the coil secondary resistance, connect an ohmmeter between the high tension terminal and the *BAT* terminal. Note the reading. Connect the ohmmeter between the high tension terminal and the *TACH* terminal. Note the reading. The resistance in both cases should be 6,000-30,000-. Be sure to test between the high tension terminal and both the *BAT* and *TACH* terminals.
3. Replace the coil only if the readings in Step 1 and Step 2 are infinite.

These resistance checks will not disclose shorted coil windings. This condition can only be detected with scope analysis or a suitably designed coil tester. If these instruments are unavailable, replace the coil with a known good coil as a final coil test.

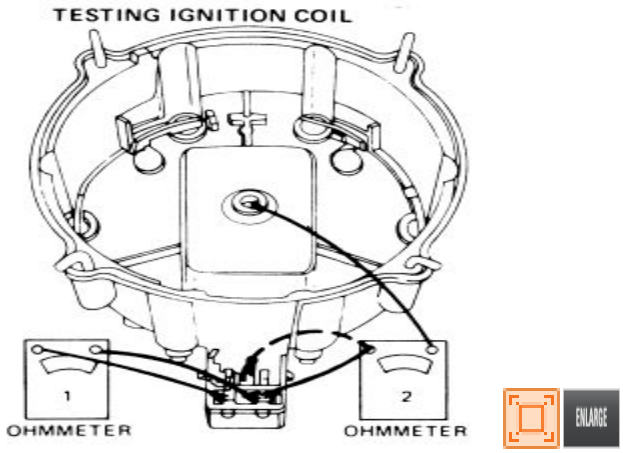

Fig. Fig. 2: Testing internally mounted ignition coil

Pickup Coil

See Figure 3

1. To test the pickup coil, first disconnect the white and green module leads. Set the ohmmeter on the high scale and connect it between a ground and either the white or green lead. Any resistance measurement less than infinity requires replacement of the pickup coil.

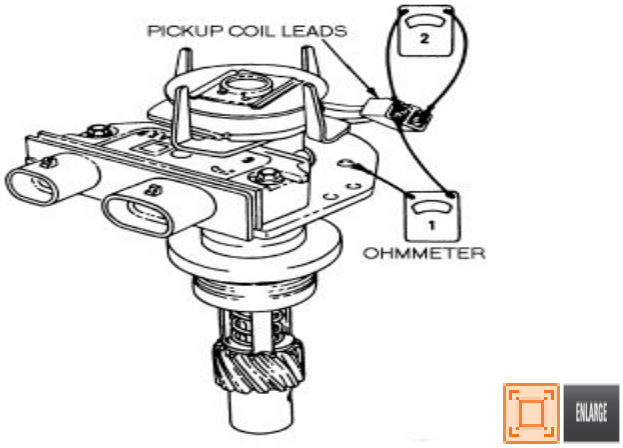

Fig. Fig. 3: Testing Pickup coil-Test 1 should read infinite at all times. Test 2 should read a steady value of(NNN) NNN-NNNNohms.

1. Pickup coil continuity is tested using an ohmmeter (on low range) between the white and green leads. Normal resistance is 500-1,500-. If a vacuum unit is used, move the vacuum advance arm while performing this test. This will detect any break in coil continuity. Such a condition can cause intermittent misfiring. Replace the pickup coil if the reading is outside the specified limits.
2. If no defects have been found at this time, and you still have a problem, then the module will have to be checked. If you do not have access to a module tester, the only possible alternative is a substitution test. If the module fails the substitution test, replace it.