

Tech Talk

Is It The Coil?

Several times on past tours, when there are several people trying to diagnose a car with no spark, someone will suggest maybe the coil is bad. Here is a helpful coil test from **Les Andrews' book, "Model A Ford Troubleshooting & Diagnostics"**. RK

Testing Coil

1. Turn ignition key off.
2. Remove high tension wire from center post on coil.
3. Remove black wire from (-) terminal on coil and remove red wire from (+) terminal on coil.
4. Using an ohmmeter (lowest scale), measure resistance from (+) coil terminal to (-) terminal.

SHOULD MEASURE 1.6 ohms to 1.8 ohms

5. Set Ohmmeter to 10K scale. Measure resistance from each coil terminal (+) and (-), to the center (high tension) contact.

SHOULD MEASURE 6.7K ohms to 10K ohms

6. Measure resistance from each coil terminal (+) and (-) to the outer metal case of the coil.

SHOULD MEASURE Open circuit

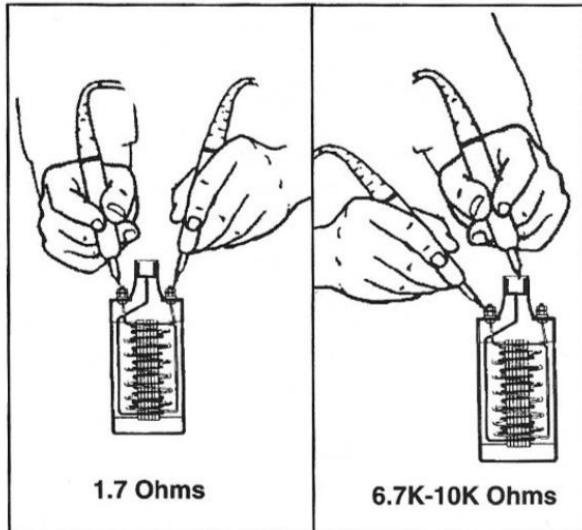
CORRECTIVE ACTION

If tests 4 and 5 show a short or open reading, it indicates a defective coil.

If test 5 shows any reading except open (infinity), the coil is defective.

Replace Coil.

by Les Andrews taken from "Model A Ford Troubleshooting & Diagnostics"



Please Note: If your coil is 12 volt with internal resistor it should read 3.7, without internal resistor 1.8. RK
See figure #1

RK