

SERVICE BULLETIN



M-909

September 16, 1985

IGNITION COMPONENTS RESISTANCE TESTS

The following ignition system tests are designed to supplement the tests contained in the service manual.

NOTE

These tests and the corresponding readings are valid only when using the Harley-Davidson KMT multimeter, Part No. 35500. If you use a different type of meter, different scales, actual voltage and polarity of the test leads may produce results different than the values given in these tests.

NOTE

Review instruction sheet for proper operation of HD-35500 multimeter.

CAUTION

If resistance tests are performed on a "live" circuit, the multimeter will be damaged. Turn off the ignition and disconnect the battery.

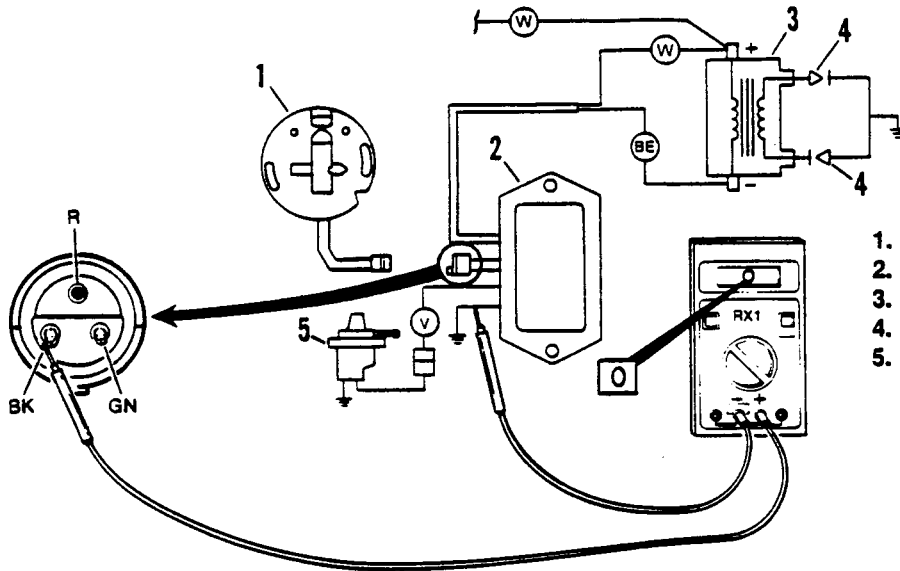
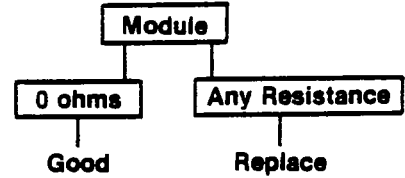
ROUTING:	SERVICE MANAGER	SALES MANAGER	PARTS MANAGER	CHIEF MECHANIC	MECHANIC NO. 1	MECHANIC NO. 2	MECHANIC NO. 3	MECHANIC NO. 4	RETURN THIS TO:
INITIAL HERE									

IGNITION COMPONENT RESISTANCE (OHMS) TESTS

TEST	METER SETTING	POSITIVE (+) PROBE	NEGATIVE (-) PROBE	METER READING
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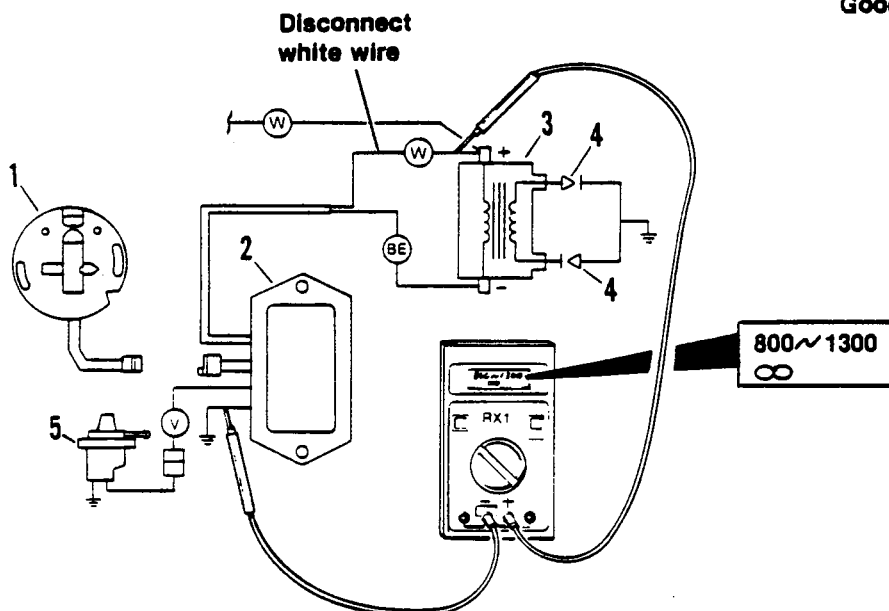
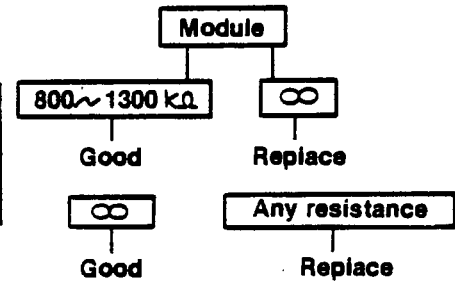
IGNITION MODULE

Check for grounds	RX1	To black wire in harness	To black module ground wire
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1. Sensor plate
2. Computerized control module
3. Ignition coil
4. Spark plugs
5. Vacuum operated electric switch

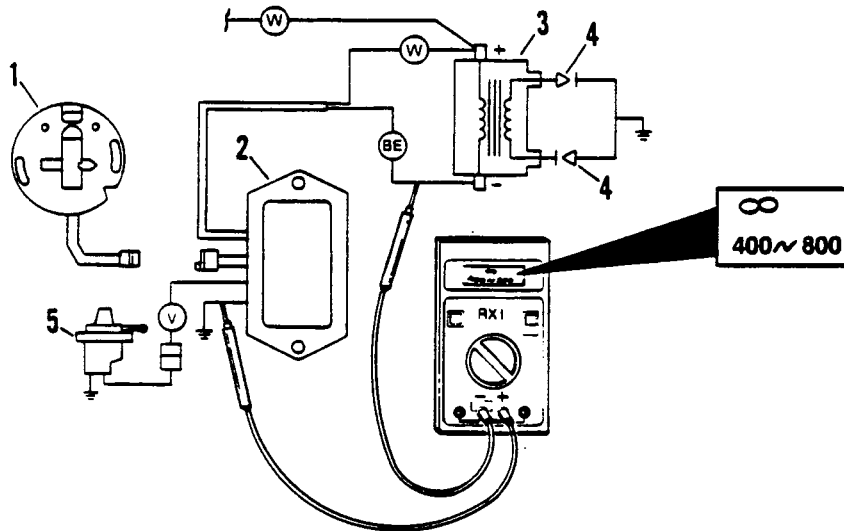
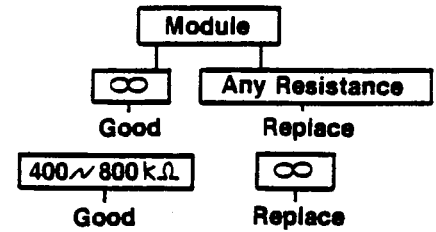
Power supply diode test	RX1	To white coil wire	To black module ground wire
	RX1	Black module ground wire	To white coil wire



TEST	METER SETTING	POSITIVE (+) PROBE	NEGATIVE (-) PROBE	METER READING
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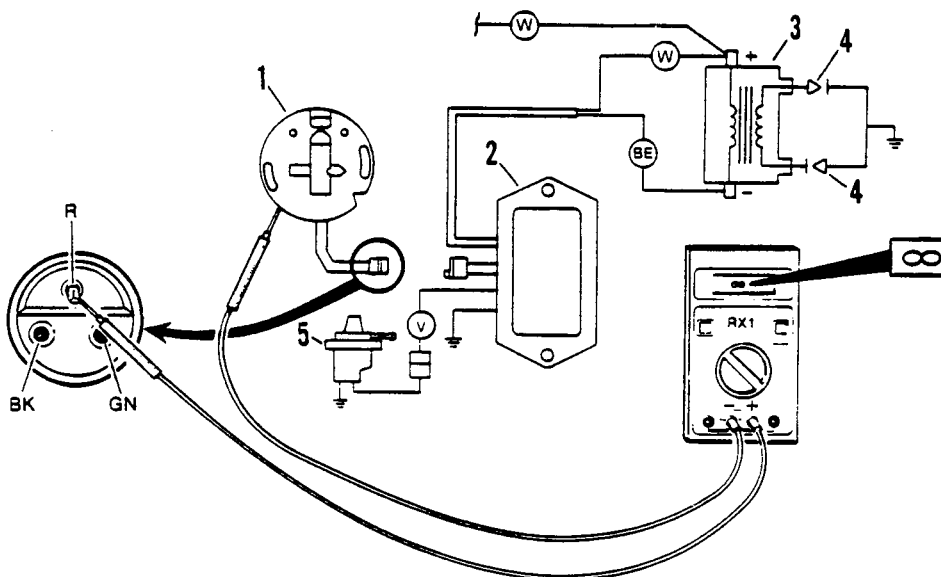
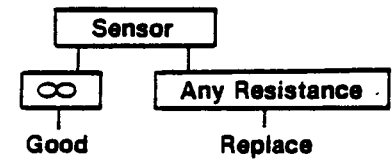
IGNITION MODULE (CONT'D)

Coil driver transistor check	RX1	To blue coil wire	To module ground wire
	RX1	To module ground wire	To blue coil wire



SENSOR CHECKS

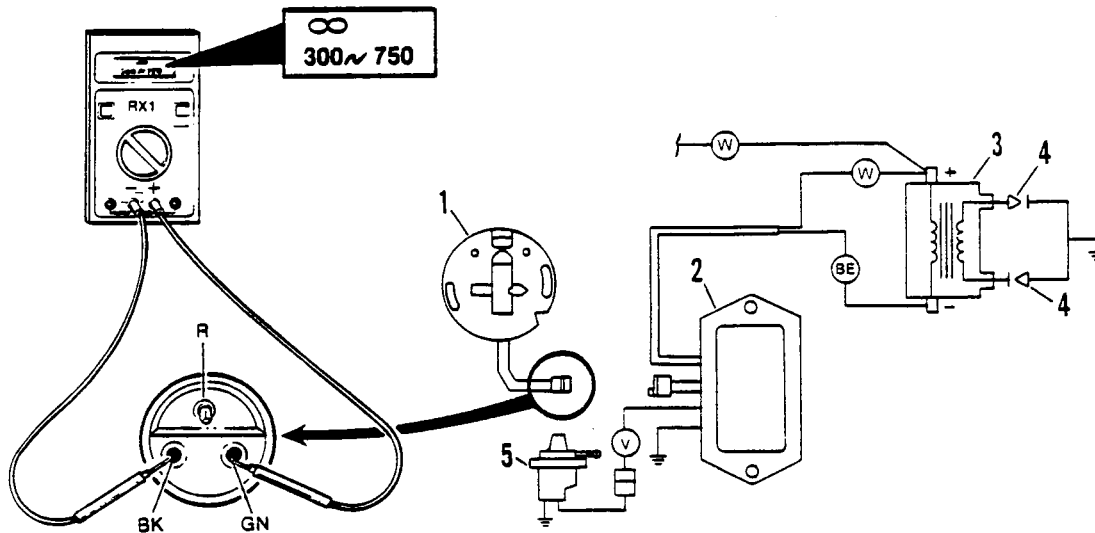
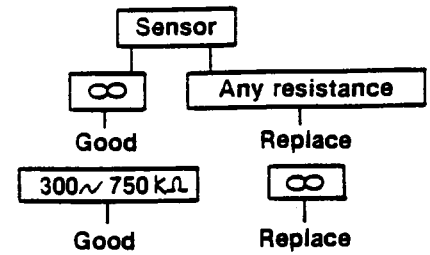
Check for grounds	RX1	Attach alternately to each wire	To sensor plate
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TEST	METER SETTING	POSITIVE (+) PROBE	NEGATIVE (-) PROBE	METER READING
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SENSOR CHECKS (CONT'D)

Sensor output	RX1	To green sensor wire	To black sensor wire
	RX1	To black sensor wire	To green sensor wire



Power supply diode test	RX1	To red sensor wire	To black sensor wire
	RX1	To black sensor wire	To red sensor wire

