(4) SIXTY WATT ELECTRICAL SYSTEM
(used on ME-125)

This system is easily recognized by having a voltage regulator box bolted under the seat. The magneto is 116mm O.D. diagram.

This system uses an ignition switch Type 6, part #13005005. Refer to illustration #16 for the complete electrical wiring diagram and switch code. This system uses a main wire harness part #13005007. This system uses magneto assembly part #23005001. Refer to illustration #15 for the voltage regulator box wiring diagram.

ELECTRICAL VALUES & TEST PROCEDURES
(Sixty Watt System, ME-125)

NOTE: All values ± 10%
NOTE: Test equipment = VOM with .1 ohm scale

High Tension Coil P#23001168

Spark plug wire to (+) terminal = 6,500 ohms
Spark plug wire to (⏚) to terminal = 6,500 ohms
(+) terminal to (⏚) terminal = 1.3 ohms

Primary Ignition Coil (P#23005012)

Green wire to (⏚) = .6 ohms
NOTE: This test must be done with the ignition points "open."

Lighting Coils (Coil #1, P#23005008) (Coil #2, P#23005009)

NOTE: Test with both lighting coils hooked together.
Brown wire to (⏚) = .12 ohms.

Charging Coils (Coil #1, P#23005010) (Coil #2, P#23005011)

NOTE: Test with both charging coils hooked together.
Either Yellow wire to (⏚) = .45 ohms.
Yellow wire to Yellow wire = .9 ohms.

Voltage Regulator Box (P#23005000)

Remove the voltage regulator from the motorcycle. Remove the top plastic cover from the box and check the 8 amp fuse. Refer to illustration #15 for the test point locations in the box. This picture shows only the internal wiring diagram of the voltage regulator box. Refer to illustration #16 for the complete wiring diagram.

(–) test meter lead to terminal #1, and the (+) test meter lead to terminal #6, then terminal #8 = 20.5 ohms.

(–) test meter lead to terminal #5, and the (+) test meter lead to terminal #6, then terminal #8 = 20.5 ohms. Reverse the (+) and (–) test meter leads and repeat the above tests. The resistance should then be 50,000 ohms or more.


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