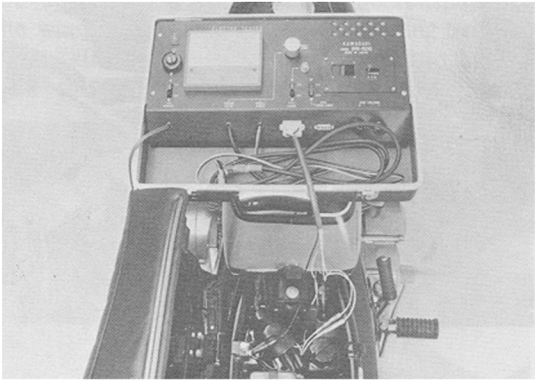


must be replaced.

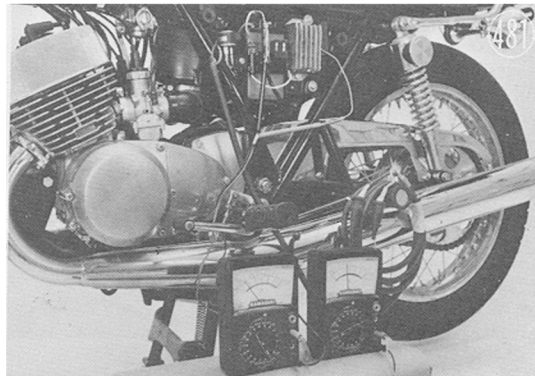


6) Regulator Test

The regulator is located inside the left side cover. It is tested using two hand testers while still mounted on the motorcycle. Before starting regulator testing, check the battery voltage and make sure the battery is charged up to at least 13 volts.

- Unplug the connector of the red lead that comes out of the regulator, and connect the positive (+) tester lead to the wire on the regulator side, and the negative (-) meter lead to the wire on the battery side. Set the tester to the 12 amp DC range so that current can be measured with this meter.
- Set the other tester to the 30VDC range, and connect the positive (+) tester lead to the plus terminal of the battery, and connect the negative (-) meter lead to the minus side of the battery.

- Kick start the engine and let it idle to measure current and voltage. At idling, the current measured should be less than 2 amps, and the voltage between 14.5 and 15.5 volts.
- Next raise engine speed to 3,000 rpm and note the readings again. At this time the current should still be 2 amps or less, and the voltage between 14.5 and 15.5 volts.
- Now turn the headlight on to low beam, and read the current and voltage. At idle speed the current should be less than 5 amps, and the voltage 12 ~ 13 volts. At 3,000 rpm the current should be less than 5 amps, and the voltage 14.5 ~ 15.5 volts.
- If the readings specified above can not be obtained, and provided that the generator, battery, etc. are good, the regulator is bad and must be replaced.



Regulator Test

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