

HINTS AND TIPS ON — SERVICE —

For **BSA** and **ARIEL** Dealers

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VOLTAGE REGULATOR FAILURES

There has been an epidemic of Voltage Regulator failures caused by improper connection of the wires which burns the contacts.

It has been found that in a few cases the yellow and green wires were connected to the incorrect terminals at the generator.

Inasmuch as it is difficult to get at the wires in the generator, the easiest way to find out if the wires are connected wrong is to follow the instructions below:

1. Disconnect the two wires (under the gas tank) that lead from the generator up to the wiring harness.
2. Connect a wire from the negative terminal of a voltmeter to the YELLOW wire and connect a wire from the positive terminal of the voltmeter to a ground on the machine. Leave the GREEN wire disconnected.

Start the engine and run it at a fast idle. The voltmeter should read 2 volts. If there is no reading, it is quite possible the wires are connected in the wrong locations at the generator.

3. Disconnect the YELLOW wire from the voltmeter and leave it loose. Connect the GREEN wire to the voltmeter negative terminal. Leave the other voltmeter wire grounded to the machine. Start the engine and run it at a fast idle. If the voltmeter reads 2 volts this is a positive indication that the wires are connected wrong.
4. The quickest and easiest way to take care of this situation is to connect the YELLOW wire from the generator in the GREEN wire connector in the wiring harness and connect the GREEN wire from the generator in the YELLOW wire connector in the wiring harness. In other words, reverse the locations of the wires.

WB/jc

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