

HINTS AND TIPS ON — SERVICE —

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

Service Bulletin #178

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SUBJECT: ALTERNATOR CHARGING RATE A65 - A50 MODELS

How to lower the alternator charging rate to keep the battery from becoming overcharged and to prevent the acid from overflowing:

In order to lower the alternator charging rate, it will be necessary to connect an additional wire in the electrical system.

This additional wire is to be connected in the white and green wire circuit that leads from the alternator to the rectifier, the other end of the wire is to be routed up to the headlamp and plugged into the No. 4 location in the headlamp-switch socket.

When the additional wire is connected as outlined above, a "trickle charge" will take place when the lighting switch is in the "OFF" position. When the lighting switch is in the "ON" position the charge to the battery will be increased.

INSTRUCTIONS:

1. Disconnect the white and green rectifier to alternator wire at the single wire connector.
2. Replace the single wire connector with a double wire connector.
3. Connect a piece of wire 52" long to the double wire connector.
4. Lead the other end of the wire up to the lighting switch inside the headlight and connect it to the No. 4 terminal.

PARTS REQUIRED:

- 1 - Double Wire Connector
- 1 - Wire 52" Long
- 1 - Wire Cover 48" Long

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