LUCAS

JOSEPH LUCAS NORTH AMERICA INC.
30 VAN NOSTRAND AVENUE
ENGLEWOOD, NEW JERSEY 07631

SERVICE INFORMATION

,69

PARENT COMPANY
JOSEPH LUCAS LTD.
BIRMINGHAM 19, ENGLAND

ELEC. S. I. 4
DECEMBER 1971

REPLACEMENT OF 4 & 3 LEAD LUCAS ALTERNATOR REGULATORS FITTED TO 15, 16 & 17 ACR ALTERNATORS

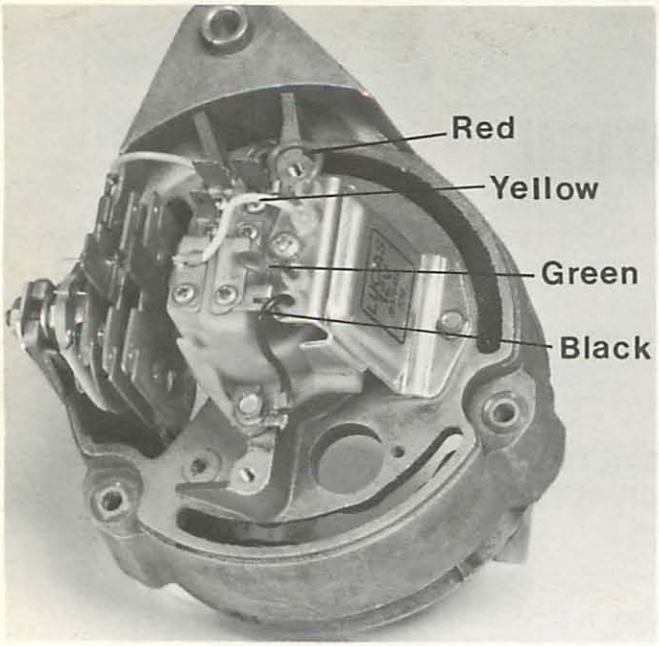
All 4 and 3 lead regulators have been superseded in service by a 2 lead 8TR 3D regulator, however, it is still possible to be supplied a 4 or 3 lead regulator while stocks are held. Details of how to connect the various regulators correctly are given pictorially overleaf.

The basic reason for converting to a 2 lead regulator is that the alternator "senses" for regulator control internally, (machine sensed) as opposed to a 4 lead regulator that "senses" via an external battery cable (battery sensed).

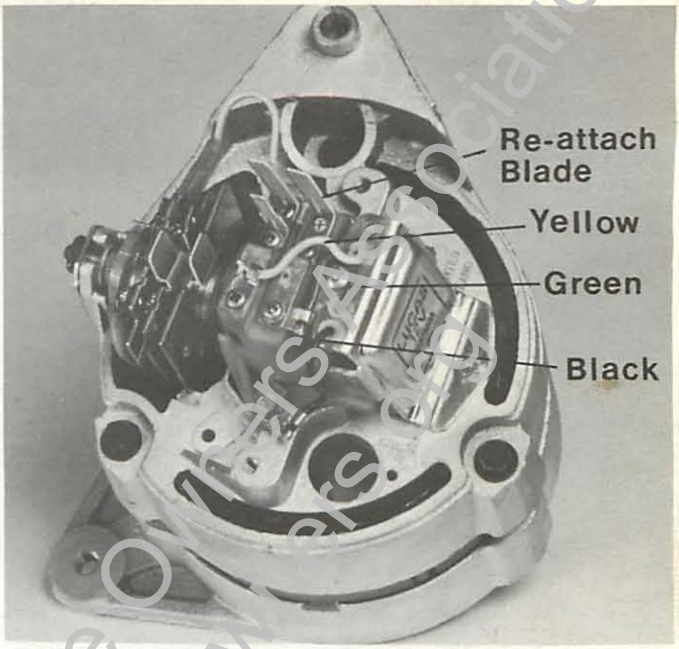
A 2 lead regulator should only be replaced in kind due to its higher current carrying capacity.

(over)

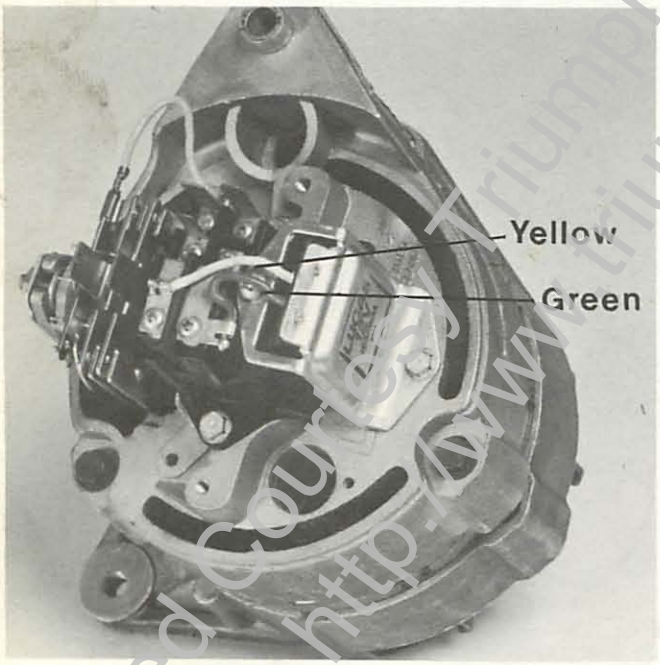
Provided Courtesy Triumph Wedge Owners Association
http://www.triumphwedgeowners.org



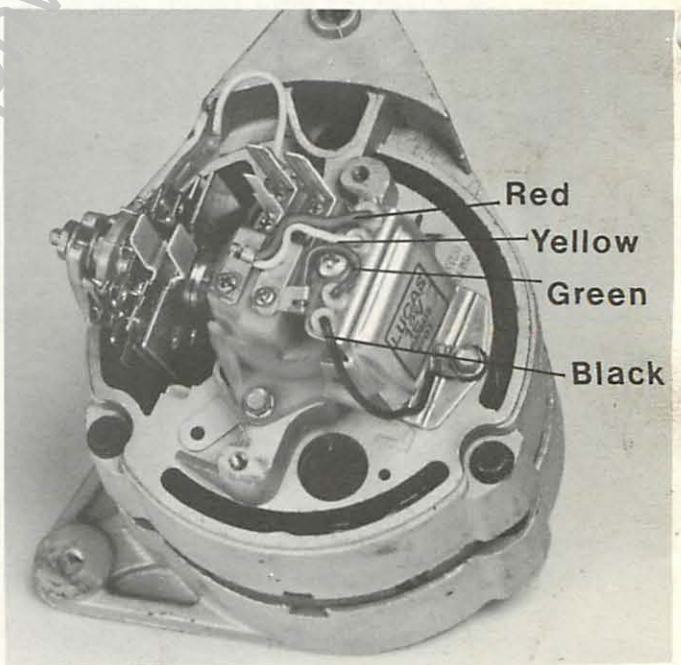
4 lead regulator connected to correct brush box terminals.



If a 3 lead regulator is substituted for a 4 lead regulator, connect as shown, insuring that the terminal blade the red lead was previously connected to is re-attached.



A 2 lead regulator substituted for a 3 or 4 lead regulator. Insure that regulator casing has good contact to alternator end bracket. Re-attach blade.



A 4 lead regulator can be made into a 3 lead regulator by connecting the red and yellow wires together as shown. This is necessary only if a regulator on a machine sensed alternator requires replacement.

Note: In some cases a red wire with yellow sleeve replaces the yellow wire.

Provided Courtesy Triumph Wedge Owners Association
http://www.triumphwedgeowners.org