

MAY, 1961.



SERVICE SHEET

No. 79.

A.A. B40 BOOST CHARGE SWITCH.

The addition of radio equipment imposes greater loads on the electrical system and in order to cope with this a heavy duty alternator (RM15.HD) is fitted to A.A. B40 machines.

Charge rate control by lighting switch is employed and the output obtained is adequate for normal running conditions, including moderate use of radio. However, conditions may arise when output is insufficient to meet requirements. This is most likely to occur after prolonged use of the radio coupled with low mileage.

To overcome this problem a boost charge switch is fitted on the panel beneath the saddle.

When it is pulled out maximum charge rate is selected regardless of lighting switch position.

Although the SC7E battery fitted to the B40 machine has a capacity of 22 ampere hours it can still be damaged by over-charging and the use of the boost charge switch must therefore be restricted solely to restoring a discharged battery to a useable condition. In doing this the switch must not be used for more than one hour, nor must the current exceed 10 amperes. This condition corresponds to a road speed of approximately 35 m.p.h. in top gear or 20 m.p.h. in 3rd gear.