

TRANSMISSION
CLUTCH

No. 63/6

February 1963

TO: ALL ROOTES GROUP DEALERS

SUBJECT: 'D' TYPE OVERDRIVE SOLENOIDS

MODEL: SUNBEAM SERIES, ALPINE & RAPIER

Investigation into the cause of some failures of 'D' type Overdrive Solenoids has shown that damage is caused if these solenoids are bench tested in the free condition before fitting to the overdrive.

All solenoids are tested prior to despatch from the factory and the only testing necessary is that detailed in the relevant Workshop Manual under the heading 'Adjustment of Controls'.

NOTE: Under no circumstances should the solenoids be tested in a free condition, that is, with the solenoid plunger not connected to the hydraulic system of the overdrive unit, as testing under these conditions will cause damage to the switch mechanism in the head of the solenoid, which will result in early failure.

This advice applies to both solenoids 5030775 (Lucas No. 76516) and 5039747 (Lucas No. 76522) but is particularly relevant to the latter (5039747) solenoid. This features a new plastic sealing cap (under the rubber boot) which, whilst providing a better water and dust seal, does not incorporate the switch contact rubber buffer found on the earlier solenoid.

AVOID UNAUTHORISED TEST PROCEDURES WITH ALL SOLENOIDS.

Contrary to information given elsewhere, these two solenoids ARE interchangeable as assemblies, i.e. do not mix the plungers.

Please bring the foregoing to the attention of all concerned.

ROOTES MOTORS INCORPORATED

Kenneth Langridge