

SERVICE INFORMATION



STANDARD AND TRIUMPH VEHICLES

(NOT FOR PUBLICATION)

No. SPORTS/5/E **SOLENOID FOR ELECTRICAL CONTROL OF OVERDRIVE** **Date** OCTOBER 1954

Difficulty is still being reported with regard to the entry of water into the Overdrive operating solenoid on Vanguard Models, in spite of the exercise of the precautions described in Service Information VANGUARD/2/E.

A considerable number of complaints have been reported of faulty operation of the "Overdrive" and these difficulties have, upon investigation, generally found to have been caused by inadequate water sealing (on the Vanguard) or incorrect adjustment of the solenoid.

The correct methods for adjustment and water sealing of the solenoid are shown in the illustration, and it is particularly important that these instructions are carefully followed when fitting replacement solenoids. With the T.R.2. Model the solenoid lever stop is not adjustable.

The proofing of the rubber grommets mentioned in the Service Scheme may present a little difficulty to Distributors and Dealers, and for this reason it has been decided to change the rubber for these to one which will not require water proofing. The change of material in the case of Part No. 109521 is not accompanied by an alteration of Part No., but in the case of Part No. 108786, this will now be supplied by our Spares Department under Part No. 110868.

There have been no reports of water sealing difficulties with the T.R.2 Model, but the lever setting instructions given in the Service Scheme may be used for this Model, apart from the fact that a fixed stop is provided for the solenoid lever.

NOTE: These instructions are for information only and do not constitute an authority to carry out modifications at the expense of The Standard Motor Company Limited.

1 ILLUSTRATION.

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STANDARD AND TRIUMPH VEHICLES

(NOT FOR PUBLICATION)

ISSUED BY THE ENGINEERING DEPT. THE STANDARD MOTOR CO. LTD. BANNER LANE, COVENTRY

INSTRUCTIONS FOR SETTING LEVER PART No 108789

1. SLACKEN OFF PINCH BOLT HB.0707 IN OPERATING LEVER 108789
2. ROTATE VALVE SETTING LEVER AT OPPOSITE END OF VALVE OPERATING SHAFT UNTIL ITS 3/16 DIA HOLE COINCIDES WITH THE 3/16 DIA HOLE IN THE OVERDRIVE CASING. INSERT A 3/16 DIA PIN THROUGH THE HOLE IN THE LEVER & INTO THE CASTING THUS LOCKING THE OPERATING SHAFT
3. ENERGISE SOLENOID (12 VOLT BATTERY) OR, IF IN CAR MOVE SWITCH ON COLUMN TO OVERDRIVE POSITION
4. WHILE THE PLUNGER IS DRAWN INTO THE SOLENOID TIGHTEN THE PINCH BOLT NUT IN2007 & AT THE SAME TIME ENSURE THAT THE OPPOSITE END OF THE SOLENOID LEVER 108789 IS AGAINST THE HEAD OF THE ACTUATING BOLT 108784
5. REMOVE 3/16 DIA PIN FROM VALVE SETTING LEVER
6. DE-ENERGISE SOLENOID FIT SETSCREW BH.0504 BY HOLDING THE OPERATING LEVER AGAINST THE HEAD OF THE ACTUATING BOLT & MOVING THE LEVER A CERTAIN AMOUNT OF "FREE TRAVEL" SHOULD BE FELT ADJUST THE STOP SCREW UNTIL THIS FREE TRAVEL IS REDUCED TO 1/16 & THEN TIGHTEN THE LOCKNUT THE LOST MOVEMENT AT THIS POINT IS IMPORTANT

INSTRUCTIONS FOR TREATING RUBBER GAITER PART No 108786 PAPER WASHER PT No 108791 & RUBBER COVER PT No 109321 AGAINST OIL & WATER.

1. PAPER WASHER 108791 TO BE ASSEMBLED WITH AN APPROVED JOINTING COMPOUND E.G. "WELLSEAL"
2. RUBBER GAITER 108786 & RUBBER COVER 109321 TO BE COATED WITH "VALCAPRENE" COMPOUND ON ALL EXTERIOR SURFACES.

ACTUATING BOLT PT No 108784 SETSCREW BH.0504

VALVE SETTING LEVER

BOLT HB.0707

LEVER PT No 108789

IT IS IMPORTANT THAT RUBBER SHEATH PROTECTS BEYOND END OF METAL TUBE AS SHOWN.

RUBBER SLEEVE PT No 502386

FITTED INSIDE COVER

PT No 109321 & OVER SNAP ON CONNECTOR

TO BE FITTED IN SERVICE & ON PRODUCTION AS SOON AS AVAILABLE

RUBBER COVER 109321

CLIP TO BE POSITIONED AS SHOWN TO GIVE 1/2" OVERLAP ON RUBBER COVER

PAPER WASHER PT No 108791

WORM DRIVE CLIP 1 1/2" DIA C.T. 3024 FITTED AROUND RUBBER COVER IN POSITION SHOWN.

SALVAGE SERVICE SCHEME	DESCRIPTION	MODEL
	SCHEME OF OVERDRIVE SOLENOID SHOWING ADJUSTMENT OF OPERATING LEVER PT No 108789 & INSTRUCTIONS FOR PROTECTING SOLENOID FROM OIL & WATER.	205

This Sheet gives Important service Information and should be filed by your Service Dept. in the Service Information Folder.