



Austin MG

January, 1975

SUBJECT:

RE-SETTING OF SELF-ADJUSTING INHIBITOR
SWITCH

MODELS:

MARINA AUTOMATIC

A new type of self-adjusting inhibitor switch Type SC Part #22G2172 has now been fitted to the Borg-Warner 35 automatic transmission. It has been found that due to the stronger securing clip now used, the setting and re-fitting instructions as detailed in the Repair Operation Manual are no longer applicable. Whenever inhibitor switches of the SC type are to be fitted or re-used, then the following procedure must be adopted.

SETTING INSTRUCTIONS

1. Measure the exposed length of the operating plunger 'A' (See diagram). This must be 9/16". If incorrect and the plunger too short, then screw a standard 7/16" UNC nut onto the switch thread and grip the plunger in the protected jaws of a bench vice.
2. Holding the switch body firmly, unscrew the nut, this will re-act against the jaws of the vice and the plunger will be drawn out. Continue to unscrew the nut until the desired dimension on the plunger is obtained.
3. If, however, the plunger is drawn completely out of the switch, this will NOT mean that the switch is now a reject, in fact the plunger can be replaced and pushed into the switch until the desired dimension is obtained. Care must be taken not to damage the 'O' ring seal on the plunger during replacement and it is advisable to slightly increase the chamfer on the switch bore to prevent this occurrence.

NOTE:- Under no circumstances during this total procedure should the plunger surface become damaged or side force applied to the plunger.

4. If the switch had previously been used then it is advisable that after checking the setting instruction to rotate the plunger through 30°. This will present a new area of the contact band to the contact arms inside the switch itself and ensure correct function.

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FITTING INSTRUCTIONS

1. Move the selector to the 'P' position.
2. Apply a small amount of sealer to the switch threads.
3. Position the sealing washer.
4. Screw the switch into the gearbox and tighten to 6-8 lbs. ft.
5. Check the switch for correct operation.

