

TECHNICAL SERVICE BULLETIN

NO. 3 D 11



October 1970

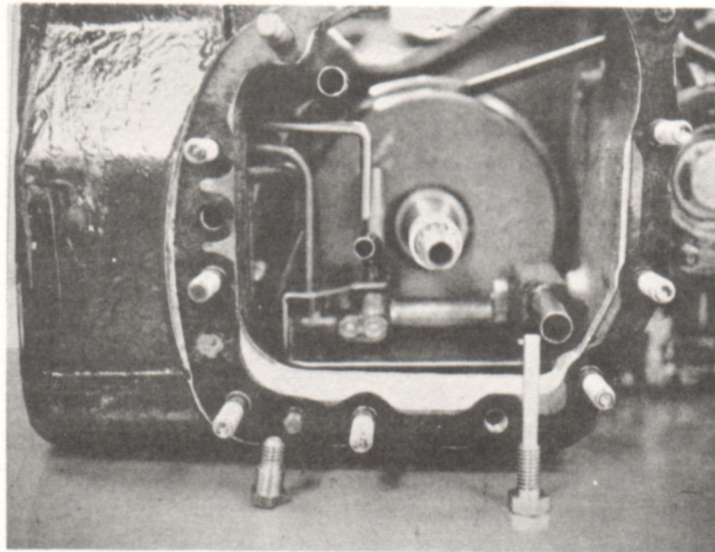
SUBJECT:

Automatic Transmission
Soft Engagement Modification

MODELS:

Austin America

As from approximate serial number AA2 SDUA 8680M and all engines prefixed 12H 452E, a revised feature to soften the engagement of first and reverse gears has been introduced. The device incorporates a double shuttle valve mounted on the existing valve block and an engagement control valve mounted in the space ahead of the forward clutch and above the auxiliary pump oil strainer and secured by two dowel bolts as shown in Figure 1.



After removing the auxiliary pump and governor housing, the engagement control valve can be taken out and in fact must be removed before taking out the forward clutch.

The main valve block can be serviced in the normal way, by taking off the valve chest lid and removing the valve chest. It is not possible, however, to remove

the pipe chest without removing the engagement control valve.

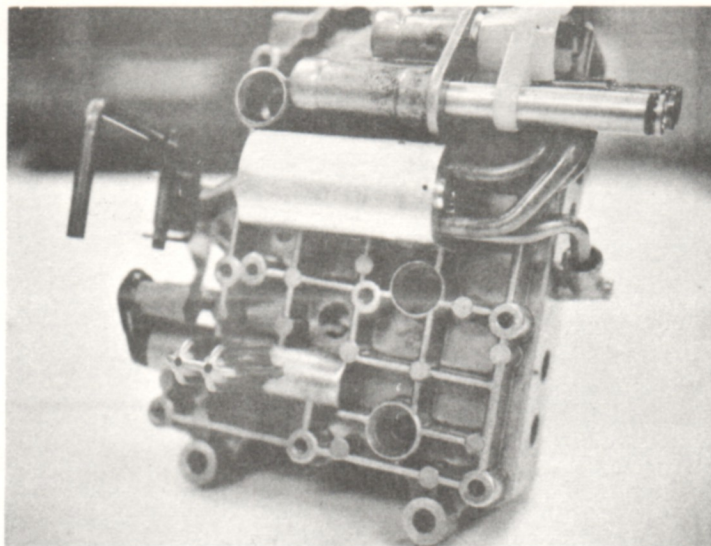


Figure 2 Indicates the position of the shuttle valves on the valve block.

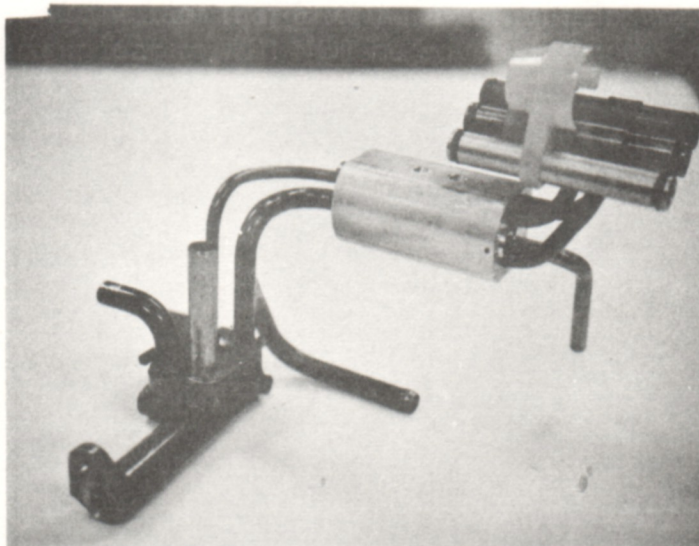


Figure 3 Indicates the valves and piping completing the modification.

We would point out the fact that altering existing transmissions to incorporate the soft engagement feature will NOT be covered under warranty.