

ROLLS-ROYCE AUTOMATIC GEARBOX

SECTION 8 — PRESSURE CONTROL VALVE

Removal of the pressure control valve (see Fig. 76) can be carried out with the gearbox in the car and without the removal of any other parts.

To ensure that the inner parts do not fall out during removal the following procedure should be carefully carried out.

Using a suitable spanner unscrew the blanking plug taking care to restrain it under the pressure of the return spring. Before lifting out the blanking plug place a finger on to the return spring and lift out the complete unit.

The valves can then be shaken out of their bores.

Pressure control valve — To inspect

Thoroughly clean all parts, using a suitable cleaning fluid.

Examine the condition of the inner and outer rubber cushions and if they show any sign of deterioration or damage, remove and fit new ones, after first dipping them into clean gearbox oil.

Remove the oil seal ring and joint washer from the blanking plug then examine the threads for signs of 'picking-up' or damage; similarly examine the threads in the gearbox, then screw the plug into the gearbox to check for freedom.

Fit a new seal ring and joint washer, then assemble the unit using petroleum jelly to retain the plugs and damper spring in position while the unit is assembled to the gearbox. Torque tighten the plug to 40 lb.ft. to 50 lb.ft.

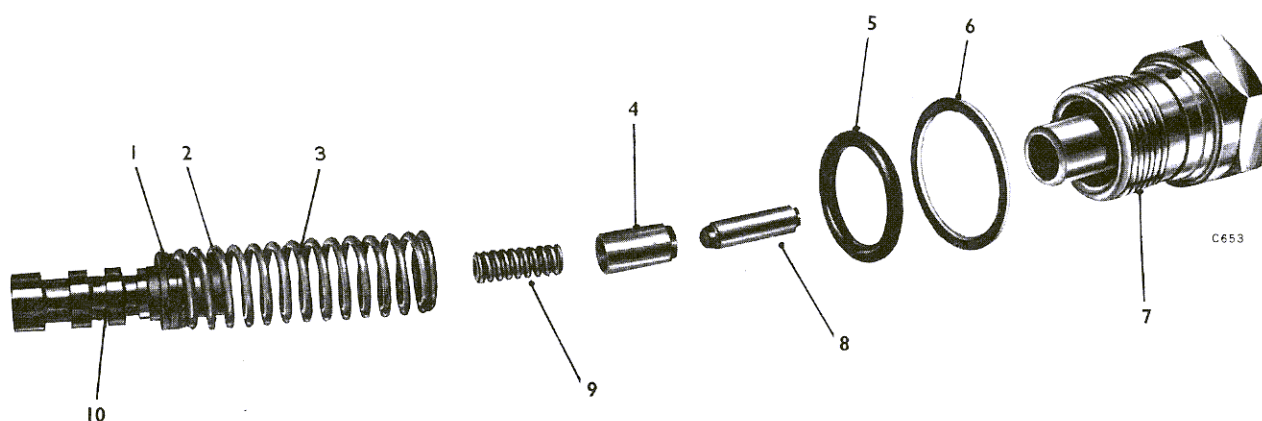


Fig. 76 Pressure control valve—exploded

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|-----------------|------------------------|----------------|-----------------------|--------------------|
| 1 INNER CUSHION | 3 RETURN SPRING | 5 SEALING RING | 7 BLANKING PLUG | 9 DAMPER SPRING |
| 2 OUTER CUSHION | 4 REVERSE BOOSTER PLUG | 6 JOINT WASHER | 8 T.V. REGULATOR PLUG | 10 REGULATOR VALVE |

