

Tightening Torques in kpm

Hex. bolts for sump on transmission housing	0.7
Fastening bolts for fluid filter on shift valve housing	0.4
Hex. bolts for shift valve housing on transmission housing	1.3

Special Tools

1 Locating pin	self-made
2 Stud	self-made

Removal

1 Drain transmission fluid, detaching the fluid filler pipe (2) from sump for this purpose (Fig. 1).

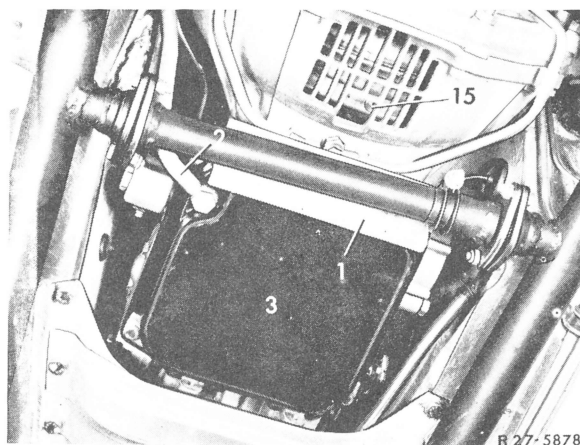


Fig. 1

- | | |
|---------------------|---------------------|
| 1 Shield | 3 Sump |
| 2 Fluid filler pipe | 15 Fluid drain plug |

2 Unscrew the hex. bolts on sump and remove sump together with gasket.

Caution! If the transmission fluid smells burnt or if the sump contains abrasives, sludge or an abnormally large quantity of chips, **it will not be enough** merely to replace the shift valve housing since the entire transmission must be exchanged instead. The torque converter with fluid lines and fluid cooler should be cleaned and carefully rinsed.

3 Remove fluid filter (Fig. 2).

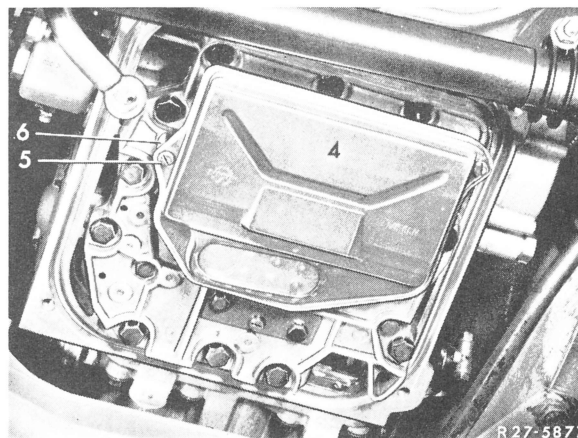


Fig. 2

- | | |
|-------------------|------------------|
| 4 Fluid filter | 6 Spacer sleeves |
| 5 Fastening bolts | |

27.2 Removal and Installation of Shift Valve Housing

4 Move selector lever in position "P". Unscrew fastening bolts (25) of shift valve housing (26) and remove shift valve housing (Fig. 3).

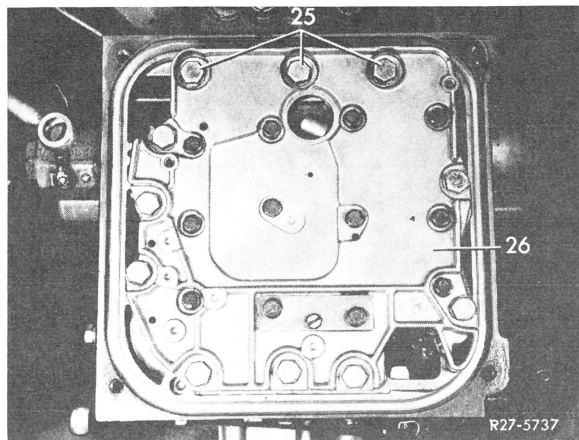


Fig. 3

25 Fastening bolts
26 Shift valve housing

5 Remove plug pipes with sealing bushes and pull sealing bushes (27) from plug pipes (Fig. 4).

Installation

6 Provide plug pipes on both sides with new sealing bushes (27) and insert into transmission. Screw two studs (30) into transmission housing (Fig. 4).

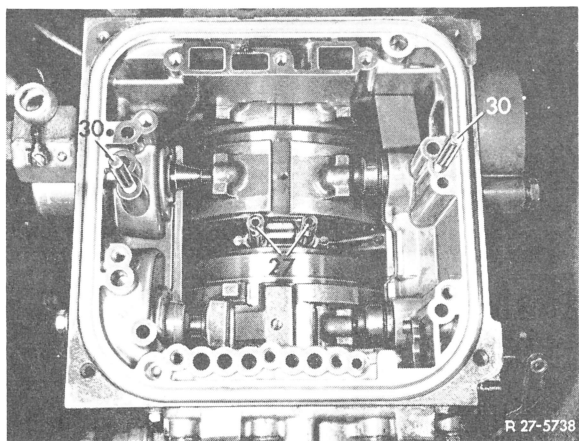


Fig. 4

27 Sealing bushes
30 Studs

7 Insert locating pin (12) for control pressure valve (13) into shift valve housing (Fig. 5).

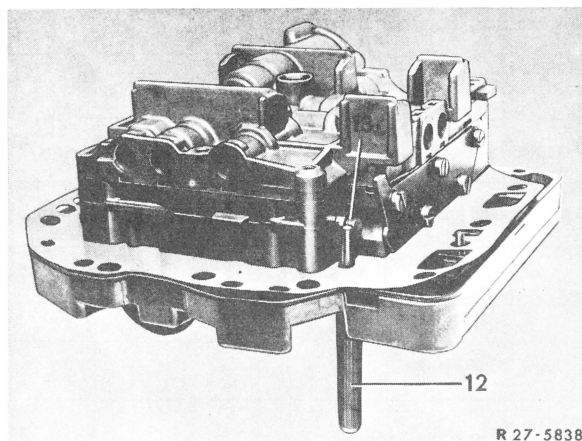


Fig. 5

12 Locating pin
13 Control pressure valve

8 Carefully introduce shift valve housing (26) into transmission. Make particularly sure that the range selector valve (28) enters correctly into detent plate (29) (Fig. 6).

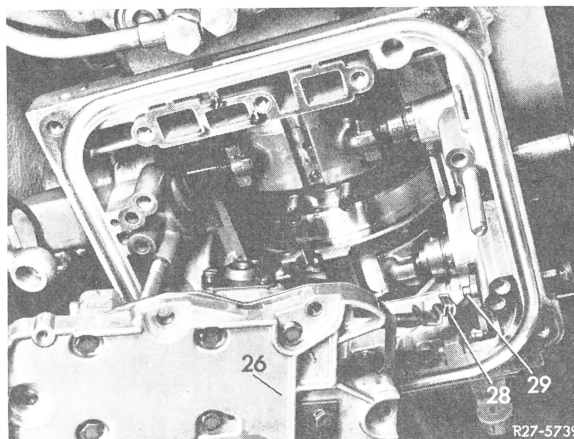


Fig. 6

26 Shift valve housing
28 Range selector valve
29 Detent plate

9 Screw-in fastening bolts (25) with spring washers and tighten to 1.3 kpm (Fig. 3).

Caution! The fastening bolts of the shift valve housing are of different length.

10 Remove locating pin (12) (Fig. 5).

11 Install fluid filter (Fig. 2).

12 Install sump with new gasket and tighten fastening bolts to 0.7 kpm (Fig. 1).

13 Screw fluid filler pipe to sump (Fig. 1).

14 Add transmission fluid as specified.

15 Check shifting pattern during trial run.

16 Check fluid level at operating temperature.

17 Tighten bolts on sump to 0.7 kpm.