

Mercedes Classik Workshop Manual



G-Class Model 460 Workshop Manual Volume 1

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Removal and installation of transmission selector cover 26.61

711.1
711.2

Tightening torque Nm (kpm)

Fastening bolts for selector cover 15 (1.5)

Oil grades

Liquid gear oil (ATF)
Type A, Suffix A

Refer to MB POL Specifications
Sheet 236.1, 236.2 for approved oils

Special tool

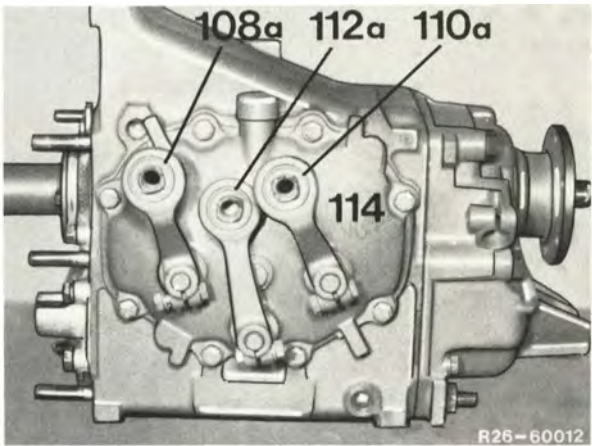
Pin wrench for hexagon socket-head
oil drain plug SW 14



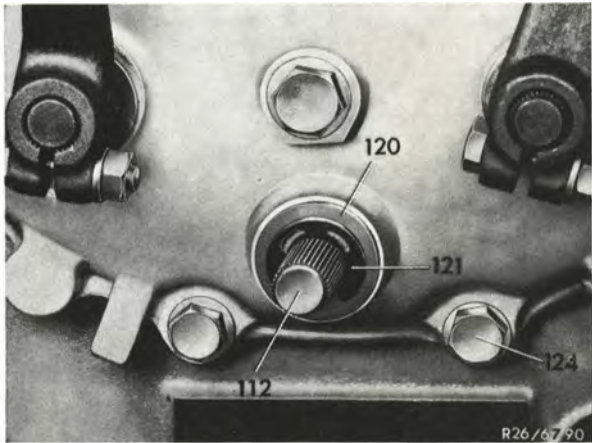
001 589 61 09 10

Removal

- 1 Drain gear oil.
 - 2 Remove selector lever (112a) for reverse, after loosening clamping screw.
- 108a Selector lever 3rd and 4th speed
110a Selector lever 1st and 2nd speed
112a Selector lever reverse
114 Selector cover



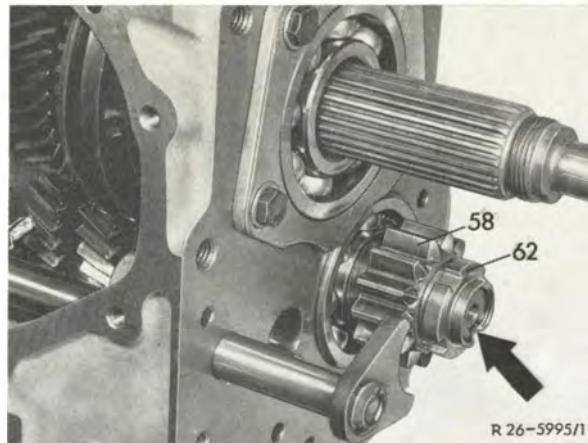
- 3 Press circlip (121) off selector shaft (112) for reverse gear and remove washer (120).
- 4 Unscrew fastening bolts (124) for selector cover.



26.61 Removal and installation of reverse gear

5 Release nut (62) on countershaft rear and unscrew. When doing this, place output flange provisionally on main shaft and hold with pin wrench while loosening nut.

6 Press reverse idler gear (58) off countershaft using a screwdriver.



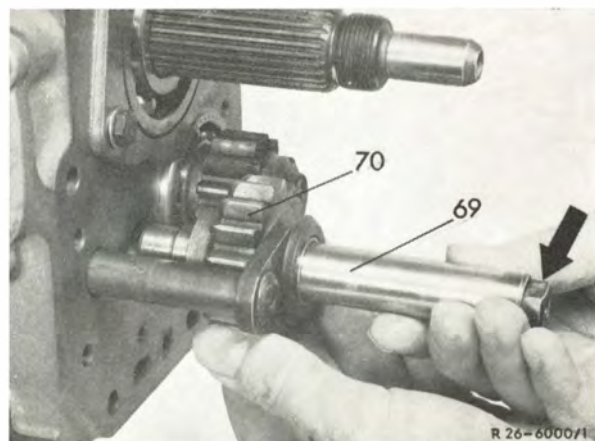
Installation

1 Fit reverse idler gear (58) on countershaft and secure with nut (62).

Note: The slotted nut fitted on the countershaft (62) may be replaced with a hexagon nut with crimping collar. This hexagon nut may nowadays be used as a standard part.

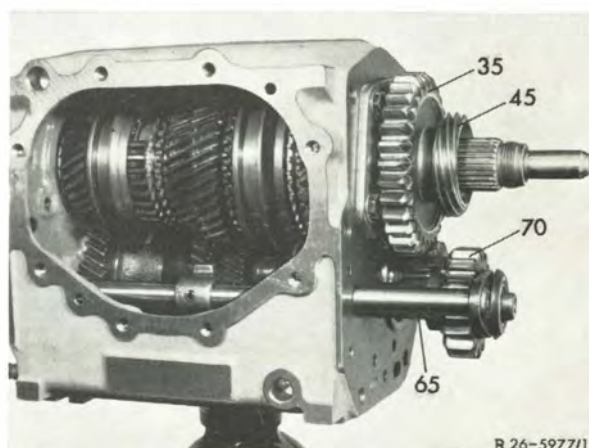
2 Carefully secure nut (62) by knocking the crimping collar into the slot provided in the countershaft (arrow).

3 Insert reverse idler sliding gear (70) with its annular groove into the selector dog of the reverse speed selector shaft and push shaft (69) for reverse idler sliding gear through the latter into the transmission housing. **Ensure that the chamfer on the shaft journals (arrow) is pointing upward.**



4 Push on reverse idler gear – main shaft (35) as well as helical gear (45) for speedometer drive. The recess of the helical gear (45) must point backward.

5 Bolt on rear transmission cover (26.61 – 131).



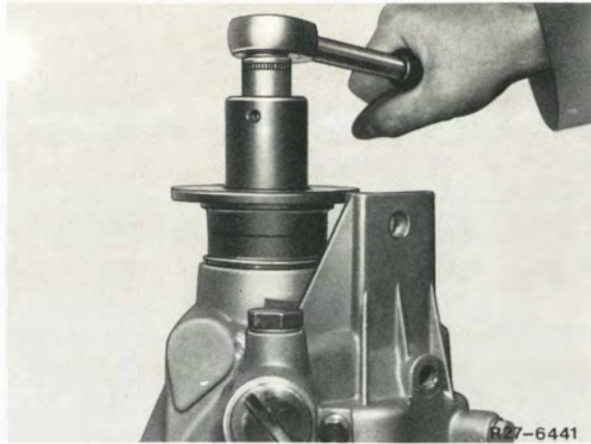
- 35 Reverse idler gear – main shaft
- 45 Helical gear – speedometer drive
- 65 Selector rod for reverse speed
- 70 Reverse idler sliding gear

27.61 Disassembling and assembling transmission

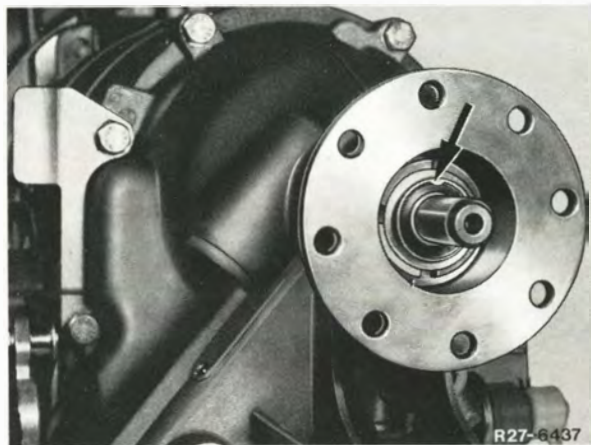
26 Screw in fastening bolts of rear gearbox housing and tighten to 13 Nm.

27 Attach output flange, screw on slotted nut with special tool. Insert parking lock and tighten slotted nut to 120 Nm.

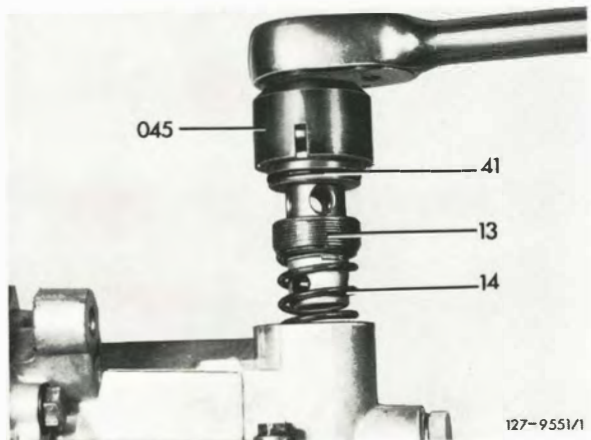
Pin wrench 115 589 01 07 00



28 Secure slotted nut. Drive home collar of slotted nut into indentation with a suitable drift (arrow).



29 Screw in plug for auxiliary pump (13) with new O-ring (41) and pressure spring (14).

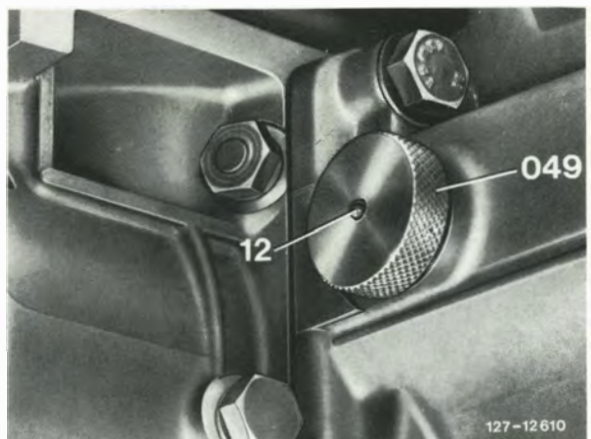


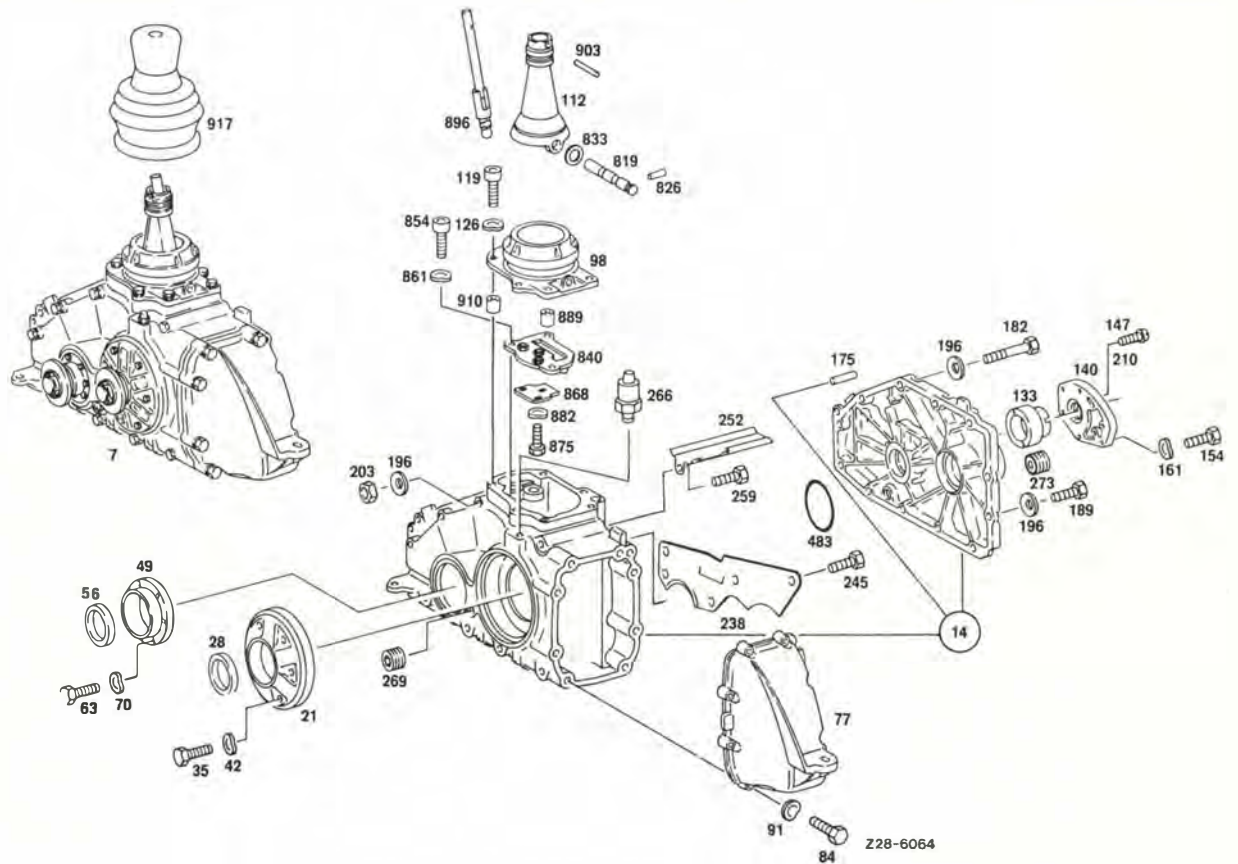
30 Screw in and slightly tighten special tool (049). Insert thrust pin (12) and press in as far as it will go. Thrust pin must be flush with end face of measuring device.

If thrust pin protrudes from end face, it is too long, if it is too deep in end face, it is too short.

Thrust pins are available in 3 different dimensions and are color coded (see adjustment data).

Knurled screw 115 589 11 21 00





Transmission housing

- | | |
|----------------------------|----------------------------|
| 7 Transfer box | 196 Tensioning washer |
| 14 Housing | 203 Nut |
| 21 Cover, input shaft | 210 Gasket |
| 28 Sealing ring | 238 Cover |
| 35 Bolt | 245 Bolt |
| 42 Spring washer | 252 Guide |
| 49 Cover, front axle drive | 259 Bolt – guide |
| 56 Sealing ring | 266 Breather |
| 63 Bolt | 269 Screw plug, oil filler |
| 70 Spring washer | 273 Screw plug, oil drain |
| 77 Cover | 483 Sealing ring |
| 84 Bolt | 819 Selector shaft |
| 91 Spring washer | 826 Grooved pin |
| 98 Cover | 833 Shim |
| 112 Bearing bracket | 840 Cover – guide |
| 119 Bolt | 854 Bolt |
| 126 Spring washer | 861 Spring washer |
| 133 Cover, oil distributor | 868 Bracket |
| 140 Intermediate flange | 875 Bolt |
| 147 Bolt | 882 Spring washer |
| 154 Bolt | 889 Spacer tube |
| 161 Spring washer | 896 Selector rod |
| 175 Straight pin | 903 Pin |
| 182 Bolt | 910 Bush |
| 189 Bolt | 917 Cup seal |