

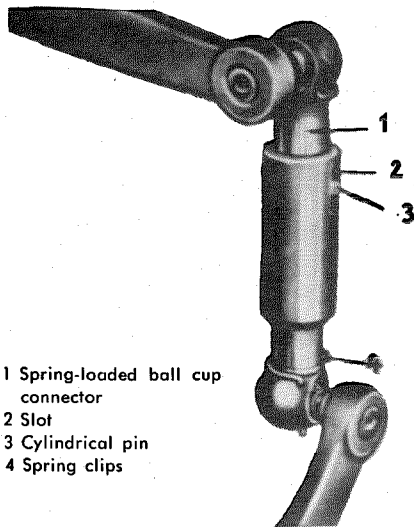
Removal and Installation of Transmission

Job-No.

26 — 1

Removal:

1. Disconnect the ground cable at the negative terminal of the battery; disconnect the two reversing light switch cables at the cable connector (5) for the reversing light switch (see Fig. 26 — 1/2), and remove the upper fastening screw for the starter together with the ground cable.
2. Remove the spring clips (4) from the selector rod and shift rod ball cup connectors at the bearing (Fig. 26 — 1/1).



- 1 Spring-loaded ball cup connector
- 2 Slot
- 3 Cylindrical pin
- 4 Spring clips

Fig. 26 — 1/1

Detach the ball connectors (7) and (8).

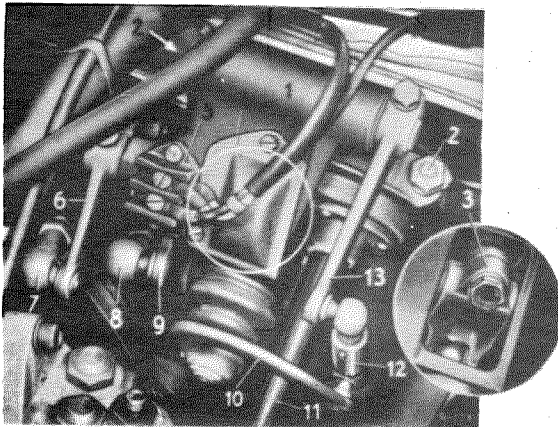


Fig. 26 — 1/2

- | | |
|-----------------------------------|-------------------------------------|
| 1 Bearing | 8 Shift rod ball cup connector |
| 2 Hexagon screw | 9 Relay shaft lever |
| 3 Selector lever at shift tube | 10 Lever at shift tube |
| 4 Dust cover | 11 Steering tube |
| 5 Cable connector | 12 Spring-loaded ball cup connector |
| 6 Selector lever | 13 Relay lever |
| 7 Selector rod ball cup connector | |

3. Use Special Wrench 000 589 05 03 to remove the upper nuts fastening the clutch housing to the engine (work from the engine compartment side).
4. Detach the cover plate for the propeller shaft intermediate bearing. Mark the position of the bearing bracket on the chassis base panel (5) and remove the two fixing screws (4) for the bearing bracket (Fig. 26 — 1/3).

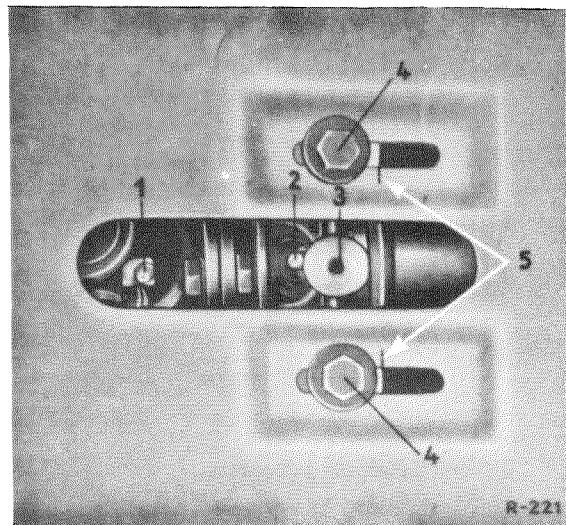


Fig. 26 — 1/3

- 1 Front universal joint pinion rim grease fitting
- 2 Pinion rim grease fitting for angular grooved ball bearing
- 3 Threaded bore for cover plate fixing screw
- 4 Fixing screw for bearing bracket
- 5 Position marking of bearing bracket on chassis base panel

5. Disconnect propeller shaft at the transmission; the shaft plate should not be disconnected unless a new transmission is installed.

Then push the propeller shaft to the rear.

Note: It is advisable to unscrew the pinion rim grease fitting at the rear end of the slip coupling in order that the air can escape and the coupling can be easily telescoped. Where later models are already provided with a bore in the sealing plate to allow superfluous air or grease to escape, the grease fitting need not be detached (see Job No. 41 — 1, Fig. 41 — 1/7).

6. Disconnect the flexible speedometer drive at the transmission.
7. Detach the return spring at the clutch throw-out fork and at the transmission. Then, after loosening the threaded bolt (1) press down the turnbuckle together with the pull rod (Fig. 26 — 1/4).

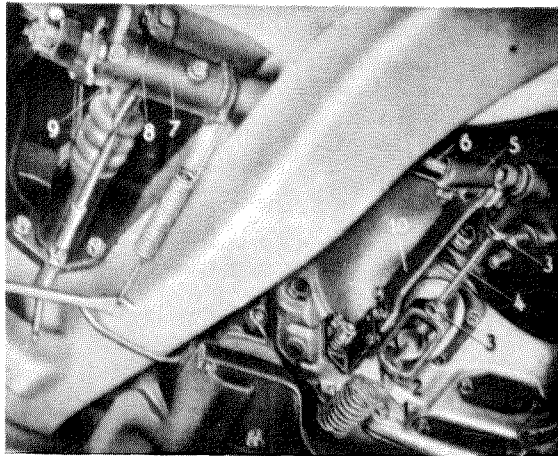


Fig. 26 — 1/4

- 1 Threaded bolt for clutch pedal free play adjustment
- 2 Lock nut for threaded bolt
- 3 Lock nut for pull rod
- 4 Pull rod
- 5 Lever and bolt
- 6 Clutch pedal shaft
- 7 Brake pedal
- 8 Lock washer
- 9 Clutch pedal
- 10 Swivel support

Detach the swivel support (10) from the spring plate by removing the two hexagon screws (Fig. 26 — 1/4).

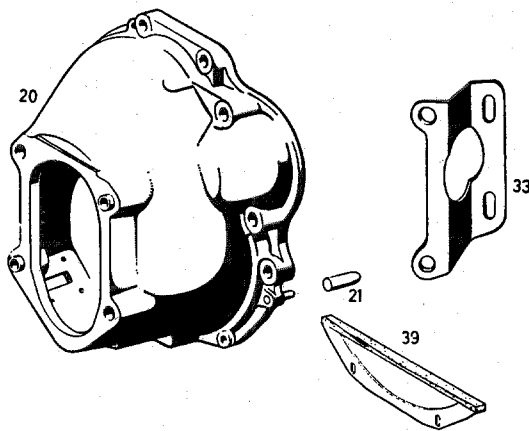


Fig. 26 — 1/5

- | | |
|--------------------|-------------------|
| 20 Clutch housing | 33 Mounting plate |
| 21 Cylindrical pin | 39 Cover plate |

8. Detach the exhaust suspension at the mounting plate (33) and the cover plate (39) for the clutch housing (20) (Fig. 26 — 1/5).
9. Now remove all other screws from the clutch housing, pull the transmission to the rear and remove downward.

Note: It is advisable to remove the clutch at the same time and to give it an overall check (see Job No. 25 — 1). **Before the transmission is cleaned, the clutch bearing should be removed to keep it absolutely clean.**

The bearing does not require any maintenance and should not under any circumstances be washed in gasoline. It should be kept in a clean place until it is re-installed.

Caution: If transmissions are ordered as replacement parts they will no longer be supplied together with the clutch housing.

Installation:

10. Install the transmission. The drive shaft should be slightly greased before installation.

Note: When installing the transmission make sure the selector and shift rods are not in the way, since they may easily get bent.

Make sure that the two cylindrical pins are properly seated.

11. Screw the cover plate to the clutch housing and the exhaust suspension to the mounting plate (33).
12. Attach the ground cable with the upper fixing screw of the starter. (Pay attention to the intermediate flange).
Connect the two cables for the reversing light switch to the cable connector (5) (see Fig. 26 — 1/2). Then attach the ground cable to the negative terminal of the battery.
13. Attach the turnbuckle for the clutch actuating mechanism and the return spring. Connect the speedometer drive to the transmission.
14. Connect the propeller shaft to the transmission, and cotter the castle nuts.

Note: Check that the shaft plate is correctly positioned (see Job No. 41 — 1).

15. Then attach the propeller shaft intermediate bearing without forcing, noting the position marked during the removal operation (see Fig. 26—1/3).

Note: When connecting the propeller shaft to the transmission connect it first to the transmission flange before attaching the propeller shaft intermediate bearing.

16. Attach the ball cup connectors of the selector and shift rods and install the spring clips

on the ball cup connectors (see Fig. 26—1/1).

17. Check the operation of the gear shift mechanism. All gears must be easy to shift. Always declutch when shifting individual gears (see Job No. 2—3).
18. Adjust the clutch pedal free play (see Job No. 29—3).
19. Check the fluid level in the transmission, and if necessary correct.