**Note**

One ball and spring fits into each of the shift lock bores of the first and second gears and the reverse gear. A ball and spring followed by a spacer tube fits into the shift lock bore of the 3rd and 4th gears (Fig. 45).

15. Remove bolts holding shift forks and pull shift rods out of intermediate plate.

**Note**

As seen in Fig. 45 interlock pins are located in the connecting passage between the shift rods for reverse and 1st and 2nd gear and between the shift rods for 1st and 2nd gear and 3rd and 4th gear.
Upon disassembly all locks should be removed from the bores so that the correct installation procedure may be followed at assembly.

16. Using tools P 56 and VW 407 remove pinion and main shaft simultaneously from intermediate plate. The dowel pins must be pushed to one side so that the plate will lie flat on the press.

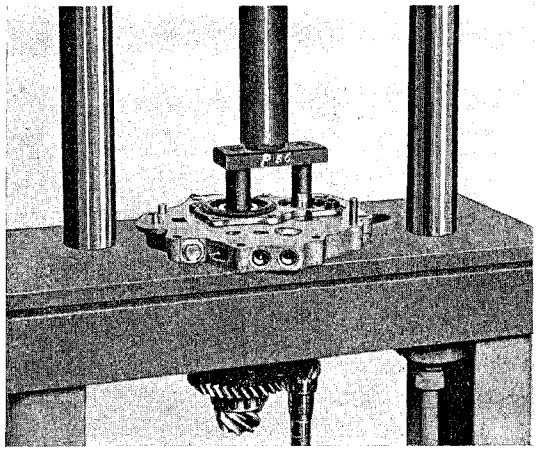

Fig. 34

17. Disassemble intermediate plate (9 RA).

**Note**

Should it become necessary to install a new intermediate plate, the adjustment of the ring and pinion as well as the preload on the double row ball bearing must be redetermined (12 and 13 RA).

18. Remove rear axle drive assembly (8 RA).

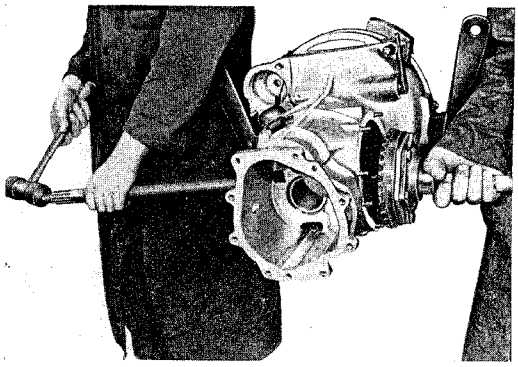

Fig. 35

19. Remove both lock rings from the bearing race of the main shaft and the lock ring inside the gear box from the bearing race of the pinion shaft (Fig. 38 and 39).

20. Remove main shaft bearing from transmission housing using tool P 59 (complete with rollers and cage).

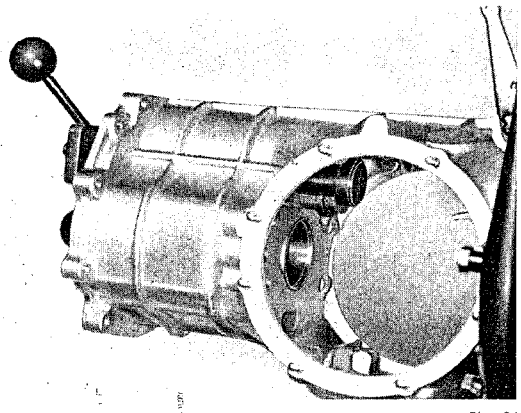

Fig. 36