

21. Remove bearing race from pinion shaft using tool P 59.

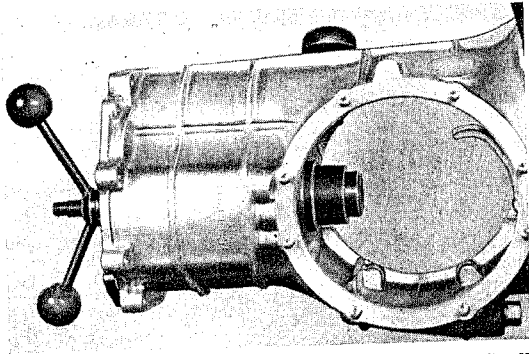


Fig. 37

Note

For easier removal of the races, the housing may be heated to 212° to 240° F (100 to 120° C).

22. Remove oil deflector plate from differential housing.

23. If necessary remove main shaft oil seal (19 RA).

4. Check roller bearings of main and pinion shafts for wear or damage. Replace if necessary.
5. Check main shaft for runout (7 RA).
6. Install outer lock ring of pinion shaft bearing.

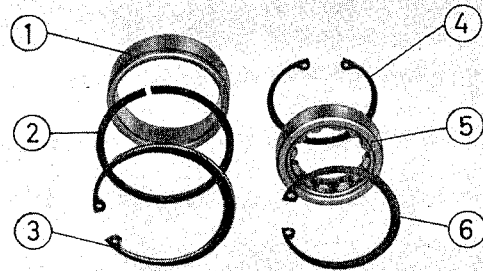


Fig. 38

- ① Roller bearing outer race for pinion shaft
- ② Lock ring (installed on bearing race)
- ③ Lock ring
- ④ Lock ring
- ⑤ Roller bearing outer race with cage and rollers for main shaft
- ⑥ Lock ring

7. Install rear lock ring for main shaft bearing using special pliers.

Assembly

The assembly is accomplished in the reverse order of disassembly observing the following points:

1. Clean transmission housing and inspect for wear, external damage, or cracks. In case of severe damage (e. g. ring or pinion fracture) check whether the bearing seats have also been damaged. If necessary replace transmission housing.
2. Inspect wear of starter bushing using tool VW 246. Install new bushing using tool VW 222 if required.
3. Inspect clutch pivot shaft bushings for wear. Replace if necessary (20 RA).

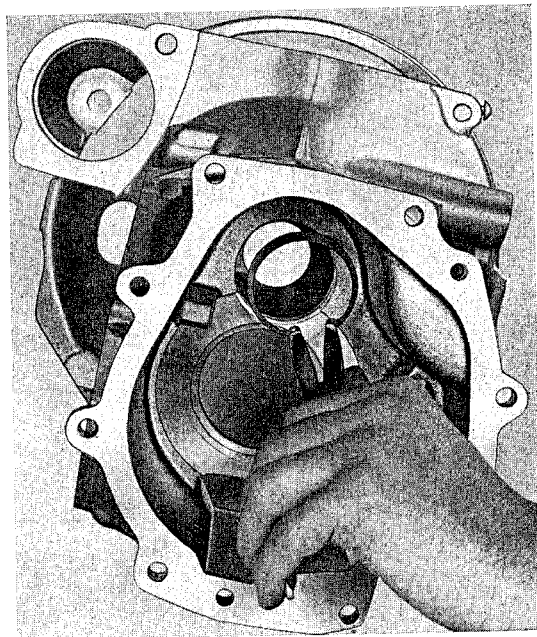


Fig. 39