Disassembling and Assembling Intermediate Plate

9 RA

Special Tools:

P 57 Guide pin (short) for selector lock bushings R, 1st and 2nd gears
P 58 Guide pin (long) for selector lock bushings 3rd and 4 th gears
P 66 Puller for selector lock bushing

Note

In the event that the intermediate plate, the bearing retaining plate, or the ball bearings show any sign of damage, the intermediate plate assembly must be completely dismantled in order to replace the defective parts.

Disassembly

1. Remove screws securing bearing retaining plate after removing lock tabs.

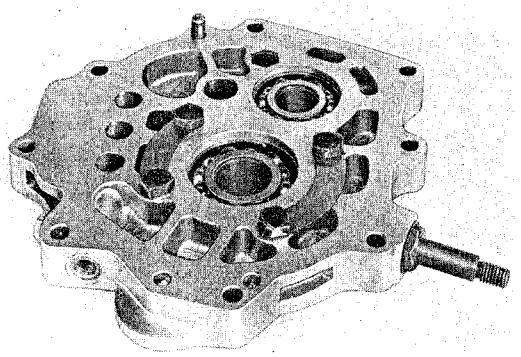

Fig. 88

2. Remove double-row bearing for pinion and main shafts using suitable arbors.
   Should the bearings be excessively tight, heat intermediate plate to approx. 212 to 230° F (100 to 110° C) and remove.

3. Remove dowel pin from intermediate plate.

4. If necessary remove bushing for selector rod locks using P 66.

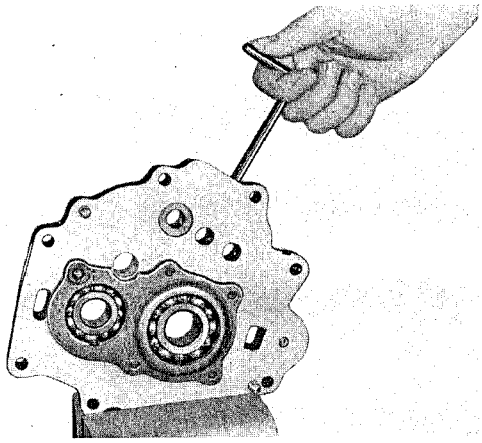

Fig. 89

Assembly

1. Clean all parts thoroughly and check for wear.
2. Heat intermediate plate to approx. 212 to 230° F (100 to 110° C).
3. Insert double-row bearings for pinion and main shafts in their respective bores.

Note

The two double-row bearings must be installed in such a manner that the cutouts in the outer bearing races face the bearing retaining plate (preferably positioned nearest each other).

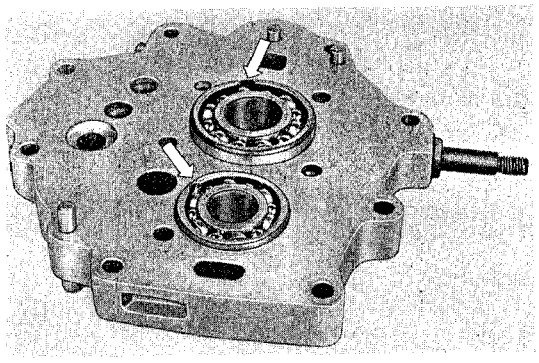

Fig. 90

Insure that bearings are fully seated. The insertion of the double-row bearings can be made using press VW 400.

4. Determine preload between retaining plate and intermediate plate.