3rd speed washer (69, Fig. 2)

Slide the tubular distance piece (part of Tool No. RG365) onto the dummy shaft abutting the shoulder.

Fit the 2nd and 3rd gear bushes (66/72) to the shaft and the original 3rd (selective) washer (69). Fit the plain abutment ring and press firmly down against the end of the tubular distance piece.

The selective washer should absorb any endfloat, but allow the bushes to be revolved. (See Fig. 27.)

Re-select if necessary.

3rd (selective) washer colour code

Part No.	Thickness	Colour code
7104190	·127/·125 (3·225/3·175 mm)	Red
7104191	·129/·127 (3·276/3·225 mm)	White
7104192	·131/·129 (3·327/3·276 mm)	Blue
7104193	·133/·131 (3·378/3·327 mm)	Yellow

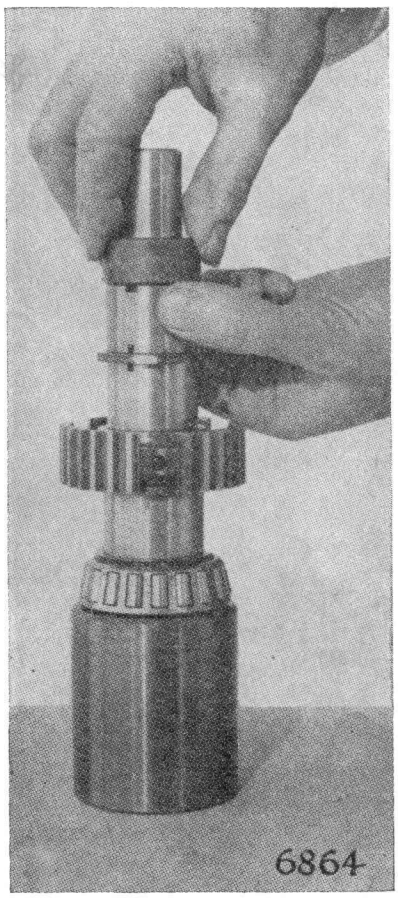

Fig. 27. *Select 3rd speed (selective) washer*

4th speed washer (57, Fig. 2)

This washer is selected during the assembly of the gearbox.

To fit new pinion bearings

Heat the hypoid and transmission casings to 95°–100°C (203°–212°F) in an oven, or in an emergency, by immersion in boiling water for approx. 15 mins.

Place the previously selected pinion head shims in the bearing recess in the hypoid casing (3). Using Tool Adaptor No. RG370, press in the outer race as shown in Fig. 28.

EXTREME CARE MUST BE TAKEN AT THIS STAGE TO SEAT THE BEARING WITHOUT STRAINING THE CASING, AS EXCESSIVE PRESSURE COULD FRACTURE THE HOUSING.

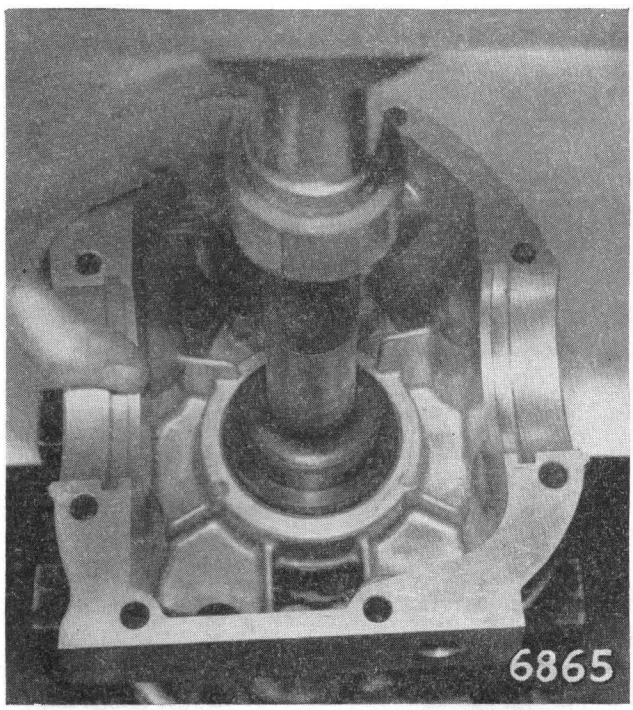

Fig. 28. *Fit pinion head bearing to casing*

Place the previously selected pinion tail bearing shims in the bearing recess in the gearbox casing and press in the tail bearing outer race as shown in Fig. 29 using Adaptor RG370.

Ensure that both bearing races are fully home.

Press the pinion head inner race on to the pinion shaft.