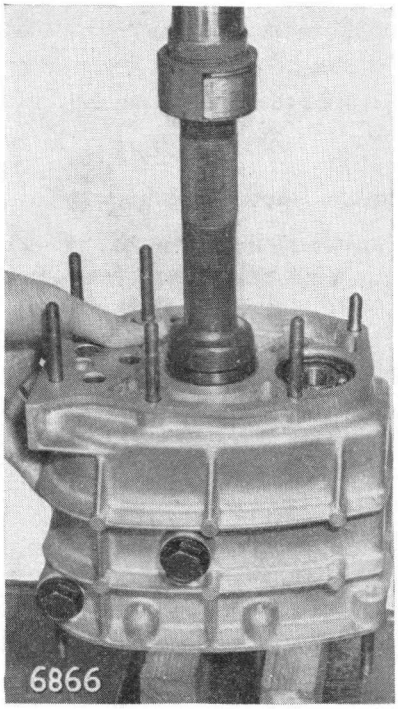

Fig. 29. *Fit pinion tail bearing*

To select correct pre-load washer (56, Fig. 2)

Place the pinion shaft into the hypoid casing and support on a 2 in. (5 cm) block.

Fit the gearbox casing to the hypoid casing and tighten the securing nuts to a torque of 12 lbs./ft. (1·66 kg.m).

Place the selective pre-load washer ·189 in.–·188 in. (4·80–4·77 mm) in thickness onto the pinion shaft.

Fit the tail bearing inner race, lightly oiled, and the reverse wheel (54).

Tighten securing nut (53) progressively to the torque given in General Data. It is important to tighten the nut progressively, rotating the pinion when tightening, also the shaft must be well rotated in both directions after the nut is fully tightened.

Measure the pre-load as previously described, and shown in Fig. 12.

The reading on the balance scale should be 9–12·5 lbs. (4–5·6 kg). for new bearings.

For original bearings, the reading shown should be 4–6 lbs. (1·8–2·7 kg.).

If readings are higher than this, fit the next thickest washer and re-check. If lower, fit the next thinnest washer and re-check. Repeat until reading on scale is within limits.

Pre-load (selective) washer colour code

Part No.	Thickness	Colour code
7104170	·190/·189 (4·826/4·80 mm)	Red
7104171	·189/·188 (4·80/4·77 mm)	White
7104172	·188/·187 (4·77/4·75 mm)	Blue (dark)
7104173	·187/·186 (4·75/4·72 mm)	Yellow
7104174	·186/·185 (4·72/4·699 mm)	Black
7104175	·185/·184 (4·699/4·673 mm)	Green
7104176	·184/·183 (4·673/4·648 mm)	Brown
7104177	·183/·182 (4·648/4·623 mm)	Grey
7104178	·182/·181 (4·623/4·597 mm)	Blue (light)
7104196	·181/·180 (4·597/4·57 mm)	Black & White
7104197	·180/·179 (4·57/4·546 mm)	Green & White
7104198	·179/·178 (4·546/4·52 mm)	Brown & White
7104199	·178/·177 (4·52/4·495 mm)	Grey & White
7104200	·177/·176 (4·495/4·47 mm)	Blue & White

To renew input shaft ball bearing (43, Fig. 2)

Remove the circlip (44).

The old bearing must be drifted out of the casing using a suitable mandrel.

The gearbox casing must be heated as previously described before pressing in the new bearing using Adaptor No. RG366 as shown in Fig. 30.

Fit new circlip.