

Fig. 11. Ejecting worn swivel pin bush from lower lug of the stub axle with RG385

12. Refitting is the reverse of the removal sequence but particular attention must be given to the following:

- i. Ensure that the swivel pin is free from burrs, lubricate the swivel pin bushes and washers with Shell Spirax 140 E.P. Oil; fit the swivel pin so the cotter pin flat aligns with the hole in the stub axle carrier, i.e., shorter distance upwards.
- ii. Fit the smaller sealing rings to the top of the carrier and the larger sealing ring to the bottom, a smear of grease will facilitate this operation.
- iii. Position the P.T.F.E. washer darker face downwards, on top of the thrust washer with its grooved side upwards, then fit both between the bottom boss of the stub axle and the carrier.
- iv. Fit the cotter pin from the rear, drive home and secure with the nut and washer, seal both ends with shellac.
- v. Refit the welch washers, see under "Welch Washers" and seal with shellac.
- vi. Refit the steering arms so they point forward and inward.
- vii. Check the front wheel alignment, see under "Front Wheel alignment (toe-in)—To check and adjust".

WELCH WASHERS

When refitting swivel pins to the stub axle it will be necessary to fit new welch washers (sealing discs) in the outer face of each stub axle boss.

The welch washers should be expanded into position by striking the domed centre, taking care not to collapse it inwards.

Stake the stub axle boss in four places to provide additional retention and seal with shellac.

SWIVEL PIN BUSHES (See Figs. 11 and 12)

THE SWIVEL PIN BUSHES ARE PRE-FINISHED AND HAVE A POLY TETRA FLUORO ETHYLENE (P.T.F.E.) BEARING SURFACE WHICH SHOULD BE LUBRICATED WITH EITHER SHELL SPIRAX 140 E.P. OIL OR, SHELL RETINAX "A" GREASE DURING REFITTING OR REASSEMBLY.

IT IS IMPORTANT THAT THE BEARING SURFACE IS NOT DISTURBED IN ANY WAY. WHEN REFITTING THE SWIVEL PIN, IT IS ESSENTIAL TO ENSURE THAT IT IS FREE FROM ALL BURRS.

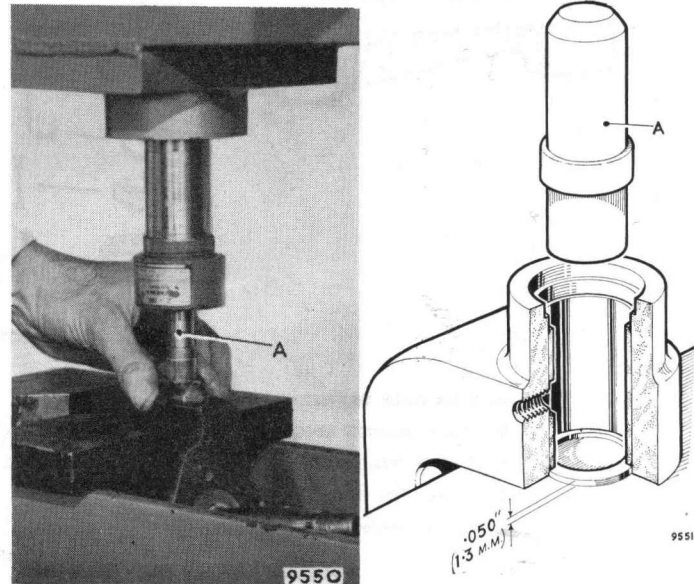


Fig. 12. Pressing in the swivel pin and correct positioning when lubricators are fitted

When non lubricated type swivel pin bushes are being fitted, press them in so that the inner ends become flush with the inner faces of the two stub axle bosses. The use of the Churchill tool No. RG.385 is strongly recommended.

When lubricators are fitted, press the bushes in until there is a gap of .050 in. (1.3 mm.) between the inner face of the boss and the end of the bush. A plain washer of the appropriate thickness and diameter may be used as a spacer for the correct positioning of the bush. See Fig. 12.

Ensure that the lubricator hole in the bush is lined up with the threaded hole in the stub axle.