

Two different shapes of pinion shaft and 4th selective washers are used, circular and 'D' shaped, the sizes and colour codes are identical. Circular bore washers should not be used on 'D' shape shafts.

4th (selective) washer colour code

'D' Shape bore Part No.	Circular bore Part No.	Thickness	Colour code
7104407	7104163	.226/.224	Red
7104408	7104164	.224/.222	White
7104409	7104165	.222/.220	Blue
7104410	7104166	.220/.218	Yellow
7104411	7104167	.218/.216	Black
7104412	7104168	.216/.214	Green

Fit the 4th speed gear (76, Fig. 2) followed by the 4th (selective) washer (56).

Fit the input shaft gear cluster (42) with the tolerance ring (40) correctly fitted.

Push the main selector (49) through its bore in the gearbox casing.

Turn the rod so that the finger points away from the reverse plunger bore as shown in Fig. 33.

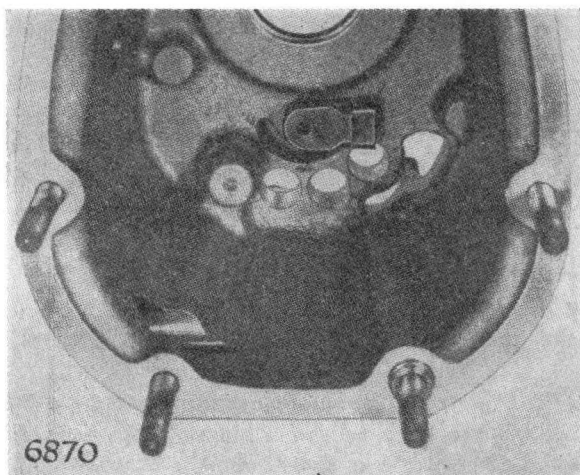


Fig. 33. Setting main selector

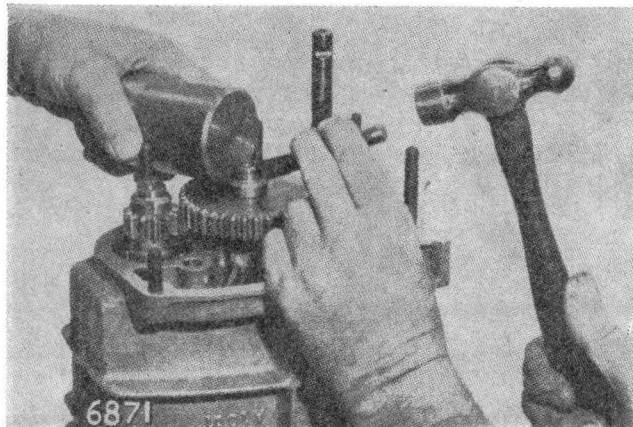


Fig. 34. Peen reverse gear locknuts

Coat the abutting faces of the gearbox and hypoid casings with Hylomar jointing compound.

Pass the gearbox casing cover over the gears. Fit the casings together with a plain washer beneath each nut, and torque to a figure of 12 lbs./ft. (1.66 kg.m).

Tighten studs through ring dowels first, and then continue evenly and diagonally.

Fit the selected pre-load washer as described previously. Place the tail bearing inner race over the pinion shaft.

Fit the reverse wheel (54) and a new nut (53).

Tighten progressively (as previously described) to the torque figure given in General Data rotating the shaft whilst doing so. (See Fig. 13.)

Engage two gears at once to lock the shaft, whilst tightening the nuts, but release the gears and rotate the assembly between such period of tightening a minimum of 3 stages.

Fit the reverse pinion (45) and new nut (46) to the input shaft. Tighten to a torque figure given in General Data.

Lock shaft by engaging two gears at once.

DO NOT FORGET to re-engage neutral when locking is completed. Peen the collar of each reverse gear nut into the slot of the shaft, using a blunt chisel shaped punch. (See Fig. 34.) **THE SHAFT MUST BE SUPPORTED UNDERNEATH TO AVOID DAMAGE TO THE BEARINGS.**