

Section E (Transaxle)

Page 17

To select shims for new pinion tail bearing

Shims are interposed between the pinion tail bearing outer race and the gearbox casing, to bring bearing dimensions within the range of preload washers.

Using a dial indicator, find the difference between the bearing inner cone length and the bearing abutment height. Make this dimension up to .032 in. (.81 mm) using shims. (See Fig. 25.)

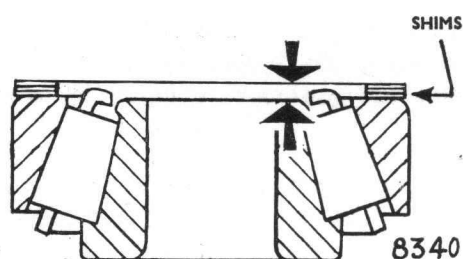


Fig. 25. Tail bearing with shims

Fitting new bushes

Bushes removed in service can be compared with new bushes as follows:—

Bushes to be scrapped if O/Dia. is .001 in. (.025 mm) or more smaller than a new bush.

Bushes to be scrapped if the length is more than .002 in. (.050 mm) shorter than new bush.

Bushes to be scrapped if slots are unduly distorted.

If bushes are tight on the shaft when removing or fitting, the bushes and shaft should be warmed in hot oil to 70°–80°C (158°–176°F).

To select correct thickness, 1st, 3rd and 4th (selective) washers

If the pinion bearings, synchro hubs or gear wheel bushes are renewed it will be necessary to re-select the correct thickness washers as follows:—

1st speed washer (60, Fig. 2)

Assemble the pinion head inner race, 1st speed wheel bush (63), 2nd (non-selective) washer (64), 1st/2nd synchro hub (65), and original 1st (selective) washer (60) to the dummy pinion shaft. Tool No. RG365.

Fit the plain abutment ring (Part of Tool No. RG365) and press it firmly down against the shoulder of the shaft. The selective washer should absorb any endfloat, but allow the bush to be revolved. (See Fig. 26.)

Re-select if necessary.

1st (selective) washer colour code

Part No.	Thickness	Colour code
7104156	.093/.091 (2.362/2.311 mm)	Red
7104157	.095/.093 (2.413/2.362 mm)	White
7104158	.097/.095 (2.463/2.413 mm)	Blue
7104159	.099/.097 (2.514/2.463 mm)	Yellow
7104160	.101/.099 (2.565/2.514 mm)	Black
7104161	.103/.101 (2.616/2.565 mm)	Green

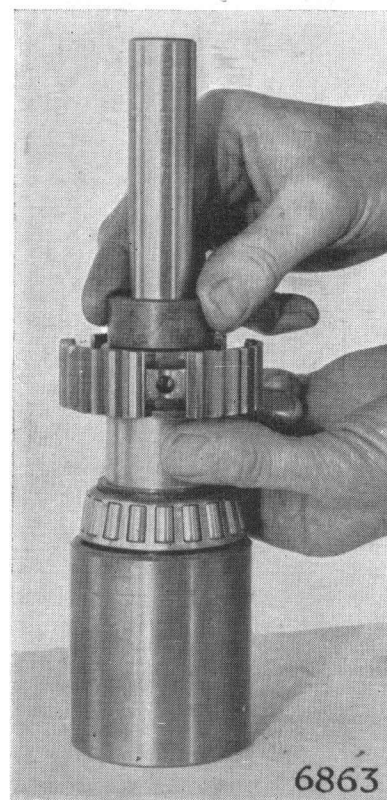


Fig. 26. Select 1st speed (selective) washer