

AUGUST 1953.

ASSEMBLY OF OLDHAM COUPLING.

The noise coming from the Oldham coupling is usually due to the longitudinal clearance in this part being too great.

In order to reduce this noise we have introduced three types of coupling of different lengths.

These couplings are sold by our Spare Parts Department under the following numbers (see fig. 2).

- 452457 - length $21.5 \pm 0.25\text{mm}$. - no marking.
- 457147 - length $22 \pm 0.25\text{mm}$. - marked with 1 groove.
- 457149 - length $23 \pm 0.25\text{mm}$. - marked with 2 grooves.

You can improve existing cars by carrying out this change during any repair needing the removal of the clutch housing from the engine.

On cars of current production if one of the following parts is replaced: engine, gearbox, clutch housing, camshaft, distance piece or pump driving shaft the operation mentioned below must be carried out.

If a coupling that is too long is fitted, breakage of the cylinder block or clutch housing can result or undue pressure on the drive shaft or camshaft can cause abnormal wear of these parts.

METHOD OF OPERATION

1. - Adjust the position of the driving shaft.

Measure the dimension 'a' which should be $1 \pm 0.4\text{mm}$. If necessary obtain this dimension by placing, as required at 'C', shims obtainable from our Spare Parts Department under Part Nos. A.344-99c (thickness 0.5mm) and A.344-99d (thickness 1mm).

With this adjustment a centering bush 451715 - 20.5mm. long must be fitted. If necessary reduce the length of the bush in a lathe on the face at the end with the greatest diameter.

2. - To measure dimension "b"

According to the value of this dimension fit the corresponding steel coupling as indicated below:-

Dimension 'b' = 12.23 to 12.9mm. - coupling 452457 no groove.

Dimension 'b' = 12.9 to 13.9mm. - coupling 457147 1 groove.

Dimension 'b' = 13.9 to 14.5mm. - coupling 457149 2 grooves.

When fitting this coupling, grease it well (use grease similar to Mobil Compound.)

Fig. 1.

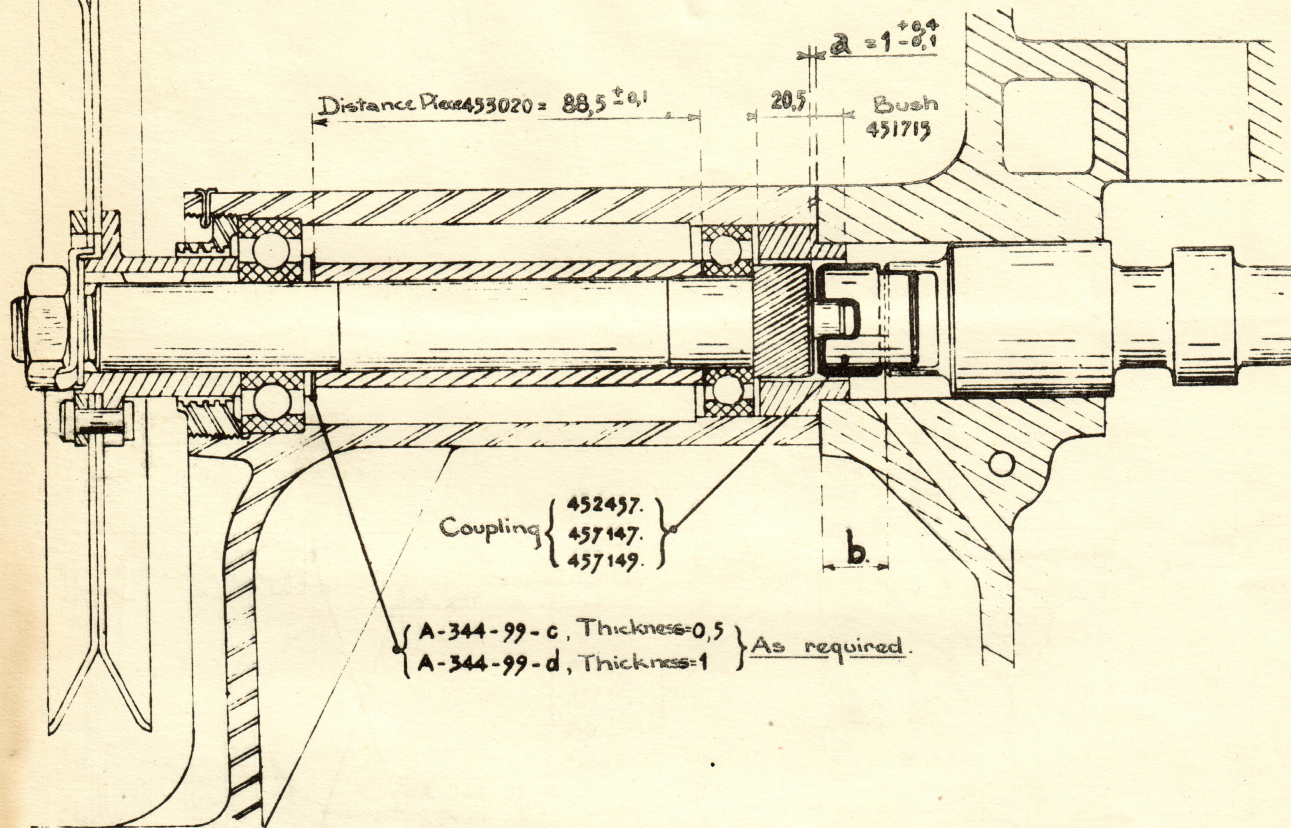
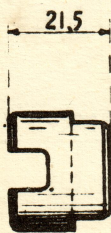


Fig. 2.

Coupling 452457.



Without Identification Groove

Coupling 457147.



1 Identification Groove

Coupling 457149.



2 Identification Grooves

These Grooves may occupy any Position.