

AUGUST, 1953

FRONT AXLE - SIX CYLINDER (15-SIX)

The assembly of the upper link arms has been modified by the addition of rubber washers, in order to limit the movement of the link when accelerating and braking.

This modification should be carried out whenever an axle is repaired or when the silentblobs have become worn.

A list is given below of the new parts which you should obtain from our Spare Parts Department and the number required of each part.

PARTS TO BE ORDERED.

4 Silentblobs	441433
4 Washers, anti-noise	441533
4 Washers, anti-noise, inside	441534
4 Washers, thrust, with dowel	427146
Washers, spacing (as required)	441535
4 Washers, thrust, inside	427235
2 Distance pieces (length 122mm)	426959

OPERATION OF ASSEMBLY.

- 1). Locate the silentblob 441433 in the hub of the link arm. The outside bush of the silentblob must be 0.25 to 0.5mm. below the face of the hub of the link arm (as at 'c').
 - 2). Make up a mandrel with a conical end 35.8mm. diameter and 300mm. long for the assembly of the parts.
 - 3). Stick the thrust washer with dowel 427146 to the crossmember with grease.
 - 4). Stick the anti-noise washer 441533 on the thrust washer 427146 with castor oil (the steel shell of the anti-noise washer against the thrust washer).
 - 5). Place the upper link arm in the crossmember of the axle. Using a screw dolly or jack open out the link arm so that it presses against the washer 441533.
 - 6). Prepare the inside thrust washers 427235.
 - a). Stick an inside anti-noise washer 441534 (this washer has no shell) on each of the thrust washers 427235 using castor oil.
 - b). Place the spacing washers 441535 to a total thickness of 2.5mm. inside the bore of the anti-noise washers 441534.
 - 7). Place the inside thrust assembly (prepared according to para. 6) against the silentblob. (The rubber washer against the link arm). Order up the distance piece 426959. Fit between this distance piece and the eye end of the link arm the second inside thrust washer assembly (prepared according to para. 6). (with the rubber washer in contact with the link arm).
- As and when the parts are assembled support them by means of the mandrel with the conical end.
- 8). The distance piece 426959 should have no play between the thrust washers 427235. To make sure of this fit spacing washers 441535 between the distance piece 426959 and one of the thrust washers 427235.

9). Fit the centre tube of the top link arm. Remove the screw dolly or jack.

NOTE: The play at 'a' must be 0.95mm. maximum and the play at 'b' must be 1.15mm.

10). Tighten the slotted nut on top link arm centre tube. Move the link arm up and down, the anti-noise washers 441534 and 441533 must move with the link arms.

11). Release the slotted nut on the centre tube. Final locking will be carried out when the axle has been fitted to the car and after the adjustment of heights under the coque so as to equalise the angular movements of the silentblocs.

