

Chapter H

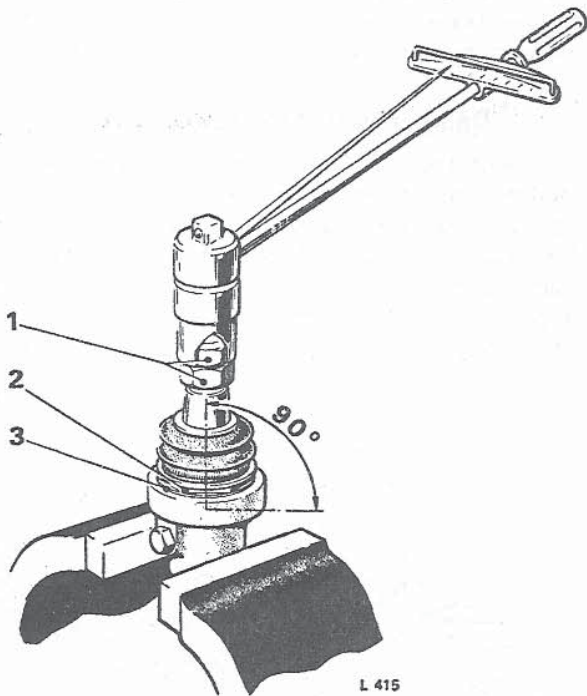


FIG. H11 SETTING DAMPER BALL JOINT PRE-LOAD

- 1 Two lock-nuts
- 2 Hexagon (normally used for tightening purposes)
- 3 Shim(s)

housing. Smear the inside of the seal with grease, particularly the hole for the ball pin; fit a new seal and spring clip.

4. Fit the ball joint assembly to the damper lower ball joint housing described in 'Damper ball joint - To fit'.

Damper ball joint-To fit

1. Fit and lightly clamp the ball joint housing in a vice as shown in Figure H11.

2. Fit the ball pin to the housing without any distance pieces and carefully tighten until between 30 lb.in. and 60 lb.in. (0,35 kg.m. and 0,69 kg.m.) is necessary to rotate the ball pin in its housing.

This torque figure should be measured after the ball pin has been rotated through four complete revolutions to bed in with the axis of the ball pin at right-angles to the large hexagon face.

3. Measure the gap between the face of the ball hexagon and the housing.

4. Remove the ball pin and fit adjusting shims equal in thickness to the gap measured previously.

5. Fit the ball pin into the housing and torque tighten the assembly to between 120 lb.ft. and 130 lb.ft. (16,6 kg.m. and 18,0 kg.m.) using the special spanner (RH 7874).

6. Check the torque load necessary to rotate the ball pin as described in Operation 2 and if necessary, adjust by adding or removing shims between the face of the ball hexagon and the housing.