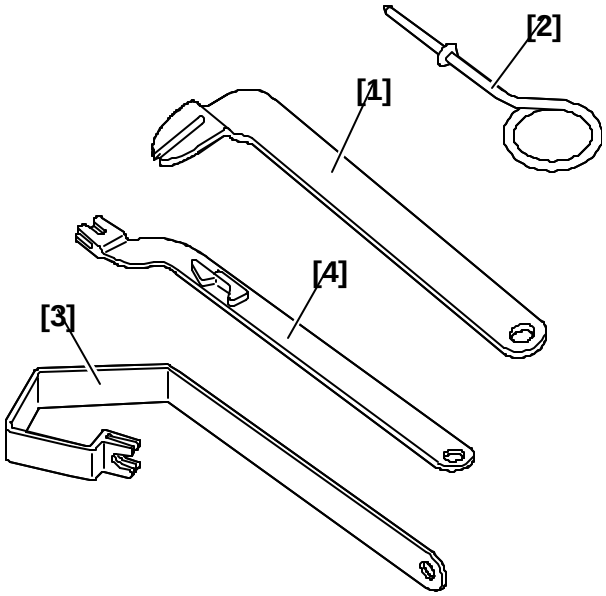
checks and adjustments : anti-roll control SC.CAR WITH ACTIVE ANTI-ROLL

1 Recommended tools



- Fig. : 1 -

Height adjustment tools :

- [1] height corrector control spanner 8003-TA
- [2] height corrector locking pin 8003-TB
- [3] front height corrector setting gauge 8003-TC
- [4] rear height corrector setting gauge 8003-TD

2 General conditions required to carry out the adjustment

Verify the tyre pressure.

Place the vehicle on a four post lift.

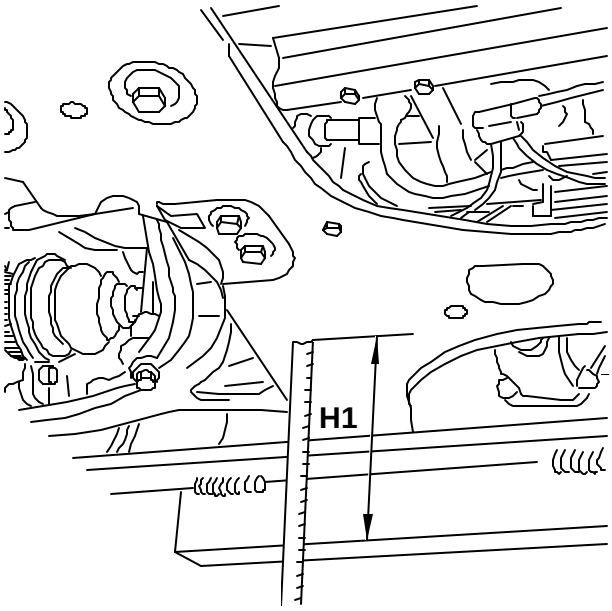
Set the height corrector to the "NORMAL DRIVING" position.

Release the parking brake.

Engine running.

3 Checks

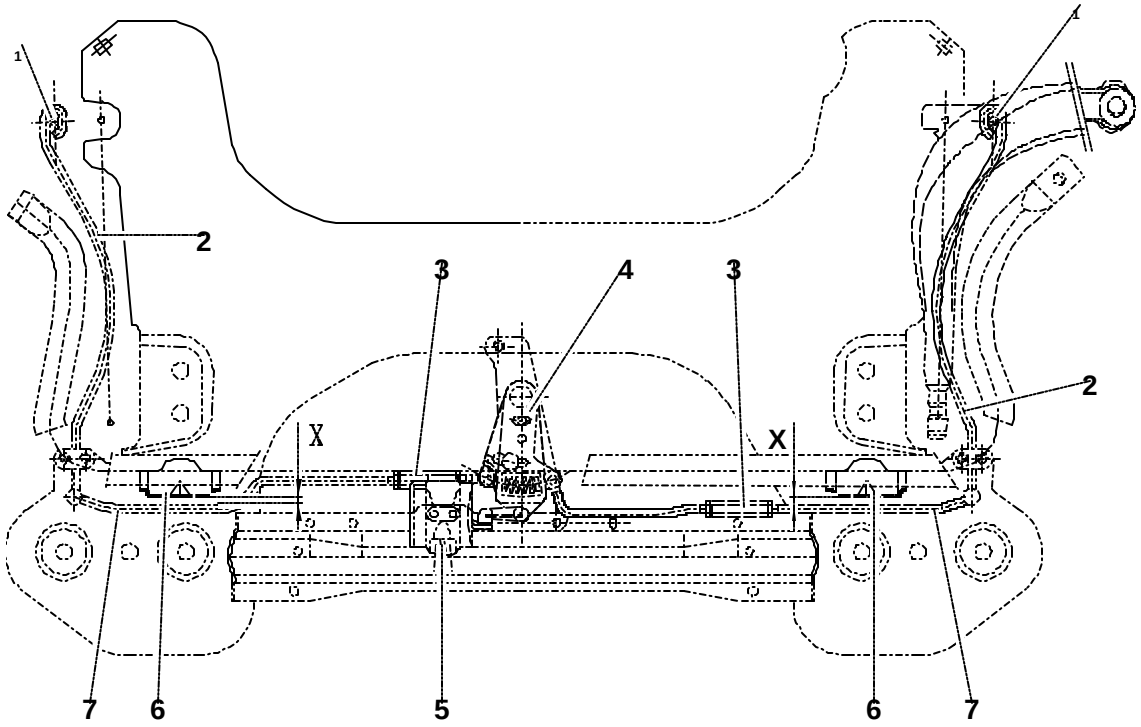
3.1 Preliminary operations



- Fig. : 2 -

Measure height " H1 " on the RH and L.H. sides.

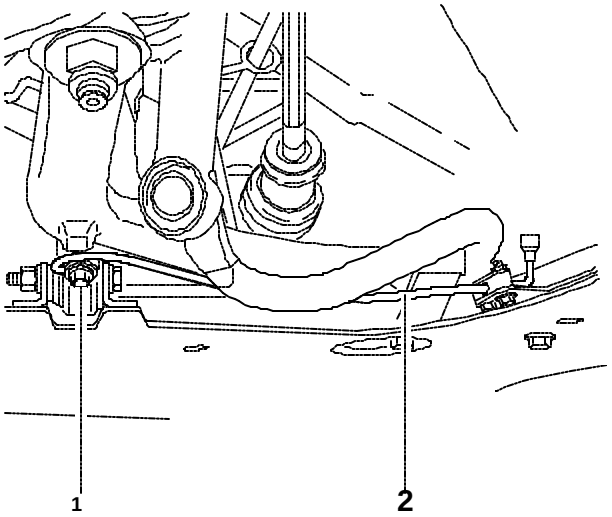
URGENT : There should be a H1 to 0 mm difference between heights " 5 ".



- Fig. : 3 -

Clean the threads of the link rods located on each side of adjusting sleeves (3).

This operation enables screwing and unscrewing the adjusting sleeves without stress.



- Fig. : 4 -

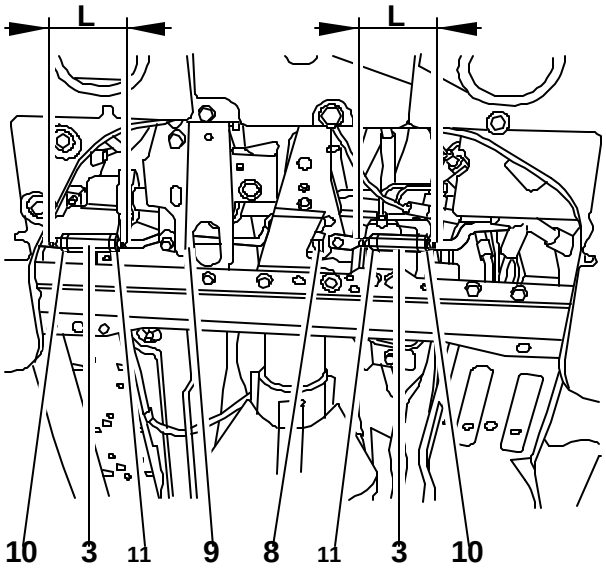
Loosen screws (1).

Place torque arms (7) in position so as to obtain a dimension " x " between the link rods and the anti-roll bar bearings equal to 6 mm.

N.B. : Clearance " x " prevents the torque arms from contacting the anti-roll bar bearings.

Tighten the screws (1) to 2,2 m.daN.

3.2 Pre-adjustment



- Fig. : 5 -

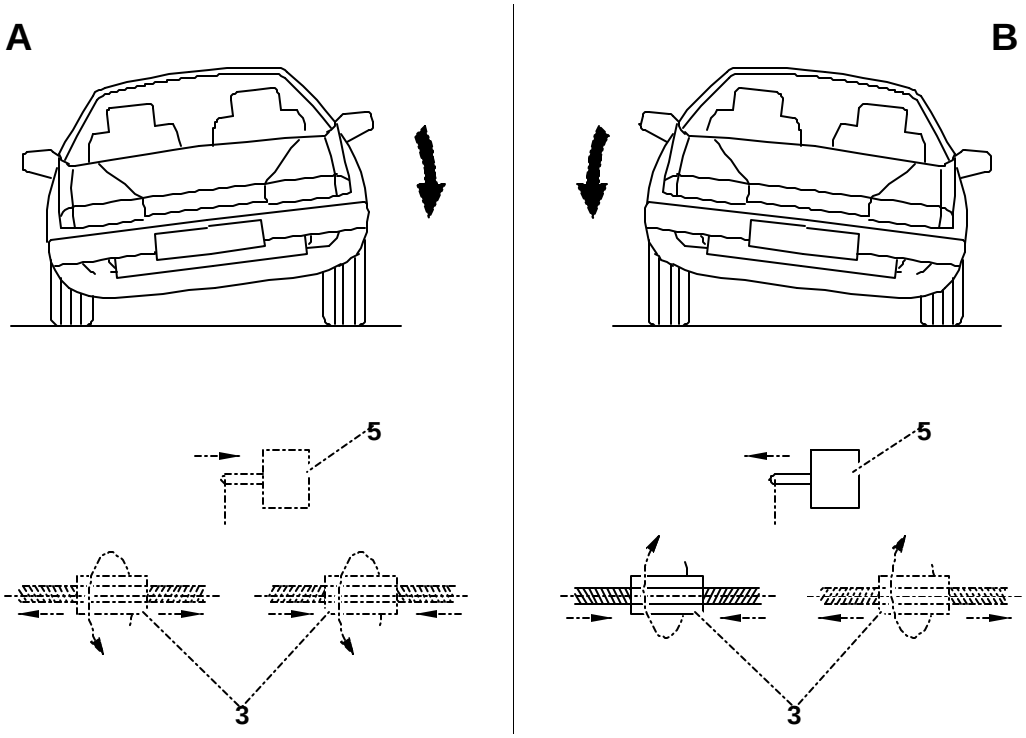
Slacken lock-nuts (10,11).

Act upon adjusting sleeves (3) to obtain a dimension L = 73 mm between the threaded extremities.

3.3 Adjustment

If the height of the vehicle is not correct : adjust the vehicle height approximately ; actuate front height corrector (9) and the rear height corrector ; using tool [1].

N.B. : Do not retighten the automatic control collars.



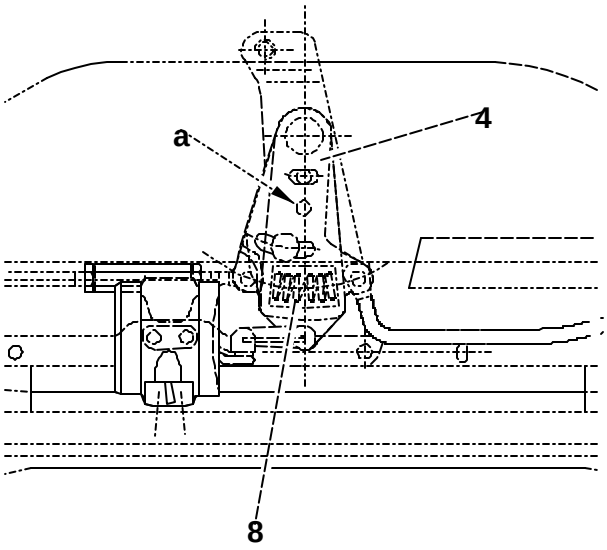
- Fig. : 6 -

A : vehicle with an inclination to the right.

B : vehicle with an inclination to the left.

Go under the vehicle, opposite the rear axle.

So that no stress is exerted on link rods (7) : gently turn both sleeves (3) simultaneously to avoid the screwing efforts.



- Fig. : 7 -

The extremities of springs (8) should bear against the fixed and movable spring U-clamps of balance lever (4).

N.B. : These clamps must be centered at " 4 ".

According to the case " A " or " B ", rotate both adjusting sleeves (3) upwards or downwards to place the vehicle in the horizontal position.

N.B. : Once the suspension has been stabilised, link rods (7) must be balanced . Adjusting sleeves (3) should be screwed without effort.

Measure height " H1 " on the RH and L.H. sides.

URGENT : There should be a H1 to 0 mm difference between heights " 5 ".

Tighten lock-nuts (10,11).

CAUTION : During this operation, do not modify the relative position of adjusting sleeves (3) and link rods (7).

Operate, by hand, anti-roll corrector (5) in both directions and make sure that the vehicle is in the horizontal position.

Check and adjust the front and rear heights of the vehicle (see the relevant operation).