Mid-laden Condition

The wheel alignment of Sedan Range through the 1997 MY and XJS vehicles is checked in the "mid-laden" condition. Mid-laden condition is achieved through the use of special tools to compress the suspension, setting the vehicle to a specified height.

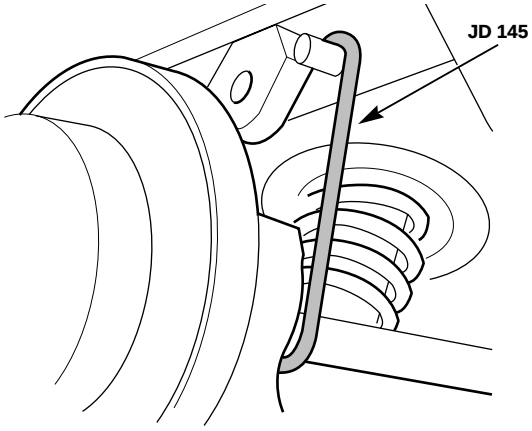
Mid-laden condition: Sedan Range

The mid-laden condition for Sedan Range vehicles is specified as follows: the rear drive shafts are horizontal and the front suspension subframe is at a height of 6 in. to the road surface.

With the vehicle resting on sliding wheel plates, tool JD 145 is installed at the rear with the large hook located around the drive shaft. After careful compression of the rear suspension, the small or upper hook is then attached to the top of the compression stop.

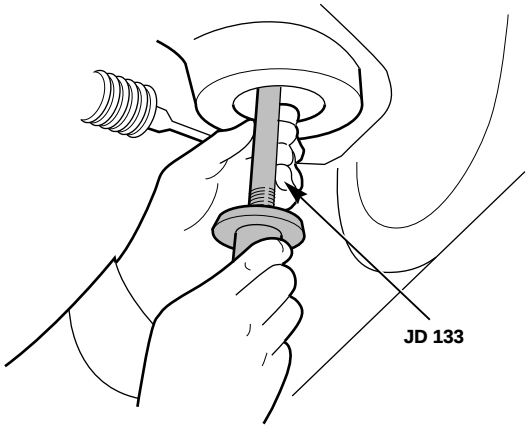
Next, tool JD 133 is used to compress the front suspension until the measurement between the wheel plates and the bottom of the subframe is 6 in. on both sides.

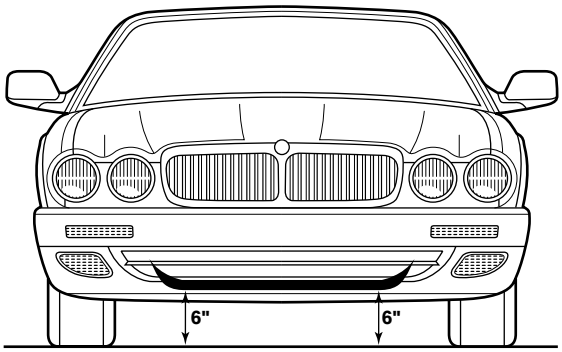
REAR MID-LADEN CONDITION SETTING: SEDAN RANGE THROUGH 1997 MY



T400/4.22

FRONT MID-LADEN CONDITION SETTING: SEDAN RANGE THROUGH 1997 MY



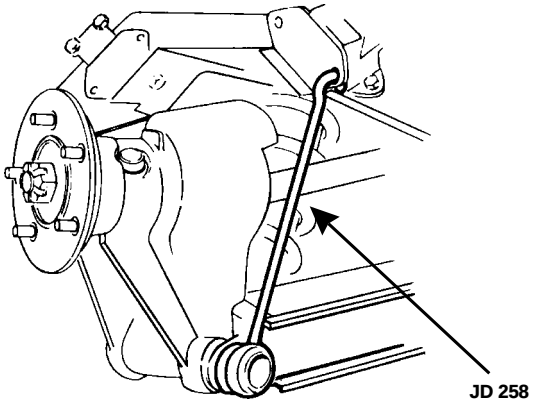


T400/4.23A & B

NOTES

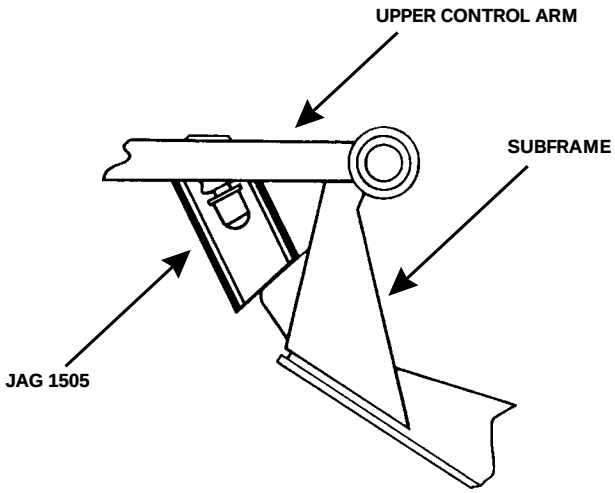
Mid-laden Condition (continued)

REAR MID-LADEN CONDITION SETTING: XJS RANGE



T400/4.24

FRONT MID-LADEN CONDITION SETTING: XJS RANGE



T400/4.25

Mid-laden Condition: XJS Range

The XJS mid-laden condition is achieved by the installation of two sets of special tools.

With the vehicle resting on sliding wheel plates, tool JD 258 is installed at the rear with the hook located in the hole in the subframe bushing plate. After careful compression of the rear suspension, the lower loop is then fitted over the lower control arm pivot nut.

Next, tool JAG 1505 is placed between the upper "A" arm and the subframe rebound stop as the front suspension is compressed.

NOTE: XJR-S vehicles do not require the use of "mid-laden" tools for wheel alignment.

NOTES