

## (Rear Wheel Alignment) INSPECTION AND ADJUSTMENT OF REAR WHEEL ALIGNMENT

### 1. CHECK CAMBER

Inspection standard:

w/o Air suspension  $0^\circ \pm 45'$

w/ Air suspension  $-0^\circ 45' \pm 45'$

Left-right error:  $30'$  or less

### 2. CHECK TOE-IN

(See page SA-8)

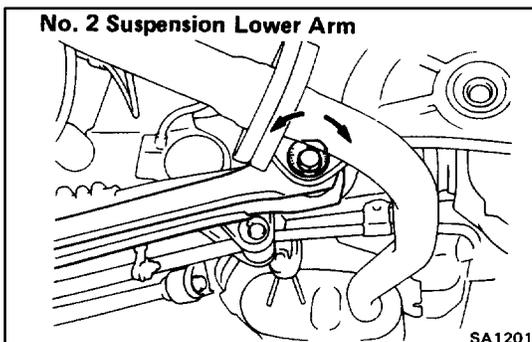
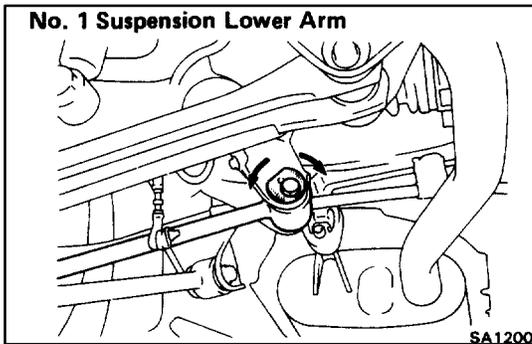
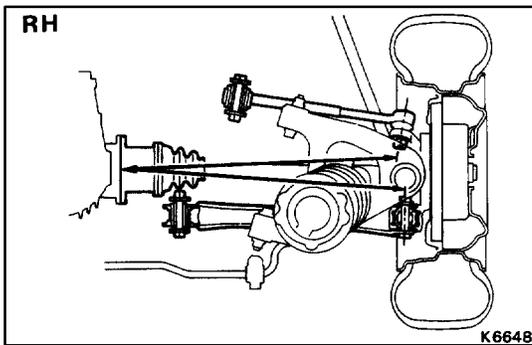
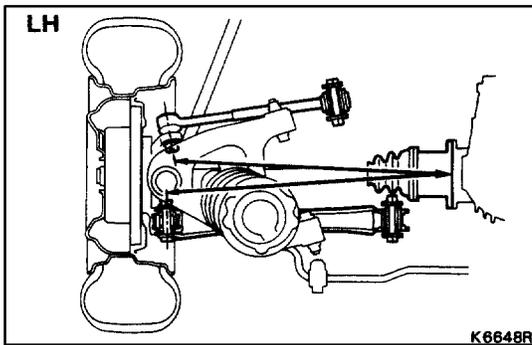
Inspection standard:

w/o Air suspension  $2 \pm 2$  mm ( $0.08 \pm 0.08$  in.)

w/ Air suspension  $3 \pm 2$  mm ( $0.12 \pm 0.08$  in.)

### 3. ADJUST CAMBER AND TOE-IN

- (a) Measure the length of the No.1 and No.2 lower suspension arms as shown in the illustration. Check if the right side and left side lengths are equal.



If not, adjust the length of the arm by turning the adjusting cam until the left and right side lengths are equal.

- (b) Measure the camber and toe-in.

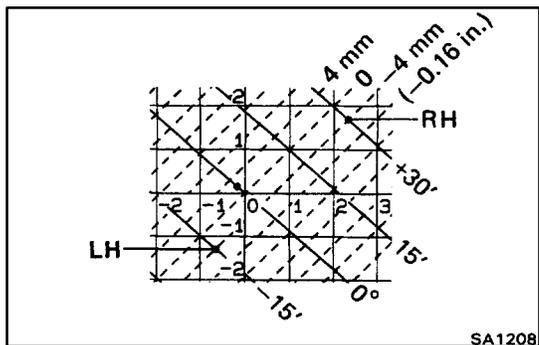
If the camber and toe-in are still not within the specification, adjust the camber and toe-in with the adjusting cam.

**Camber:**

	Adjustment STD	Left-right error
w/o Air suspension	$0^\circ \pm 30'$	$30'$ or less
w/ Air suspension	$-0^\circ 45' \pm 30'$	$30'$ or less

**Toe-in:**

	Adjustment STD
w/o Air suspension	$2 \pm 1$ mm ( $0.08 \pm 0.04$ in.)
w/ Air suspension	$3 \pm 1$ mm ( $0.12 \pm 0.04$ in.)



## ADJUSTMENT CHART

### HOW TO READ ADJUSTMENT CHART

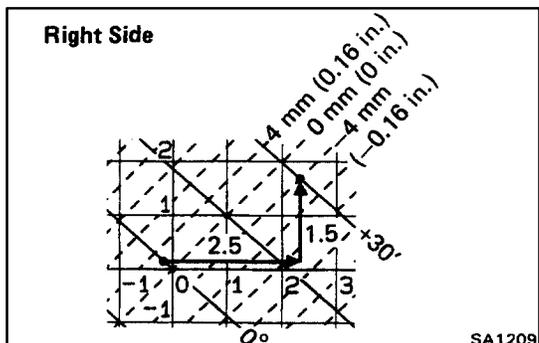
(a) Select the wheel alignment standard value which is applicable for the particular model.

(See page SA-10)

(b) Mark the selected standard value on the adjustment chart.

**Example: Camber** 0°

**Toe-in** 2 mm (0.079 in.)



(c) Mark the measured alignment values on the adjustment chart.

**Example: Camber (Right hand) + 30°**

**(Left hand) -15°**

**Toe-in -4 mm (-0.16 in.)**

(d) As shown in the illustration, read the distance from the standard value to the measured value, and adjust the front and/or rear adjusting cams accordingly.

**Amount to turn adjusting cam (by graduation):**

**Right side (Front cam) + 1.5 (longer)**

**(Rear cam) + 2.5 (longer)**

**Left side (Front cam) -1.4 (shorter)**

**(Rear cam) -0.5 (shorter)**

