

REAR WHEEL ALIGNMENT INSPECTION

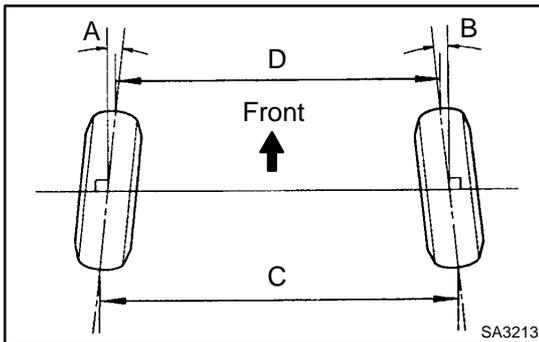
SA010-01

1. MEASURE VEHICLE HEIGHT (See page SA-5)
2. INSTALL CAMBER-CASTER-KINGPIN GAUGE ONTO WHEEL ALIGNMENT TESTER

Follow the specific instructions of the equipment manufacturer.

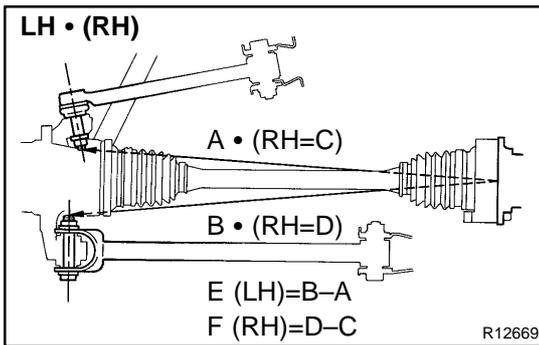
3. INSPECT CAMBER

	Coil suspension	Air suspension
Camber	$-0^{\circ}50' \pm 45'$ ($-0.83^{\circ} \pm 0.75^{\circ}$)	$-1^{\circ}25' \pm 45'$ ($-1.42^{\circ} \pm 0.75^{\circ}$)
Left-right error	30' (0.5°) or less	30' (0.5°) or less



4. INSPECT TOE-IN

Coil suspension	A + B: $0^{\circ}12' \pm 12'$ ($0.2^{\circ} \pm 0.2^{\circ}$) C - D: 2 ± 2 mm (0.08 ± 0.08 in.)
Air suspension	A + B: $0^{\circ}18' \pm 12'$ ($0.3^{\circ} \pm 0.2^{\circ}$) C - D: 3 ± 2 mm (0.12 ± 0.08 in.)



5. ADJUST CAMBER AND TOE-IN

- (a) Measure the length of the lower suspension arm No.1 and No.2, as shown in the illustration.

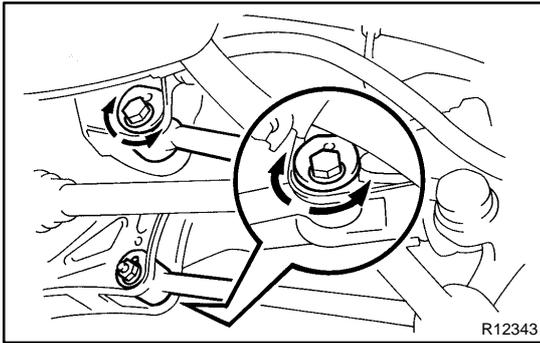
Length:

(E-F) or (F-E) should be less 4.0 mm (0.16 in.).

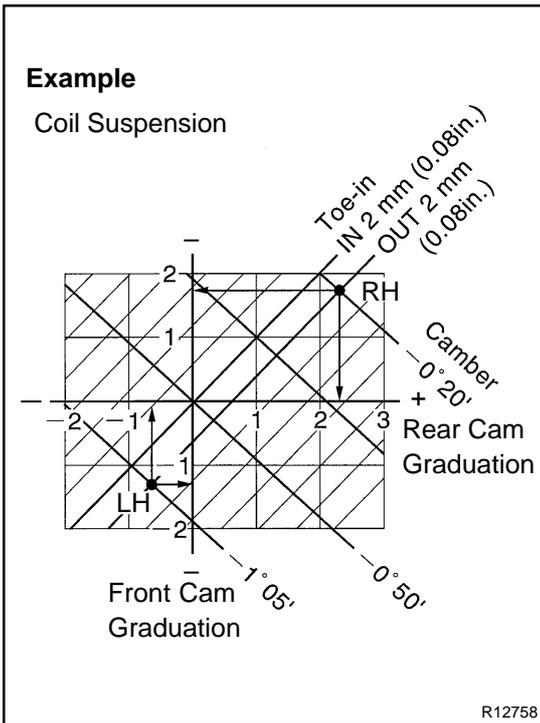
If it is not within the specification, adjust the length of the arms by turning the adjusting cam, as shown, until (E-F) or (F-E) is less than 4.0 mm (0.16 in.).

- (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. (See step 6.)



- (c) Loosen the front and/or rear cams.
- (d) Adjust camber and toe-in by turning the front and/or rear cams.
- (e) Torque the front and/or rear cam nuts.
Torque: 78 N·m (790 kgf-cm, 57 ft-lbf)



6. HOW TO READ ADJUSTMENT CHART

- (a) Mark on the graph the measurements taken from the vehicle.

Example (Coil suspension):

Camber (LH): -1°05' (-1.08°)

Camber (RH): -0°20' (-0.33°)

Toe-in (total): OUT 2 mm (0.08 in.)

- (b) As shown the illustration, from the graph the amounts by which the front and/or rear cam are to be adjusted.

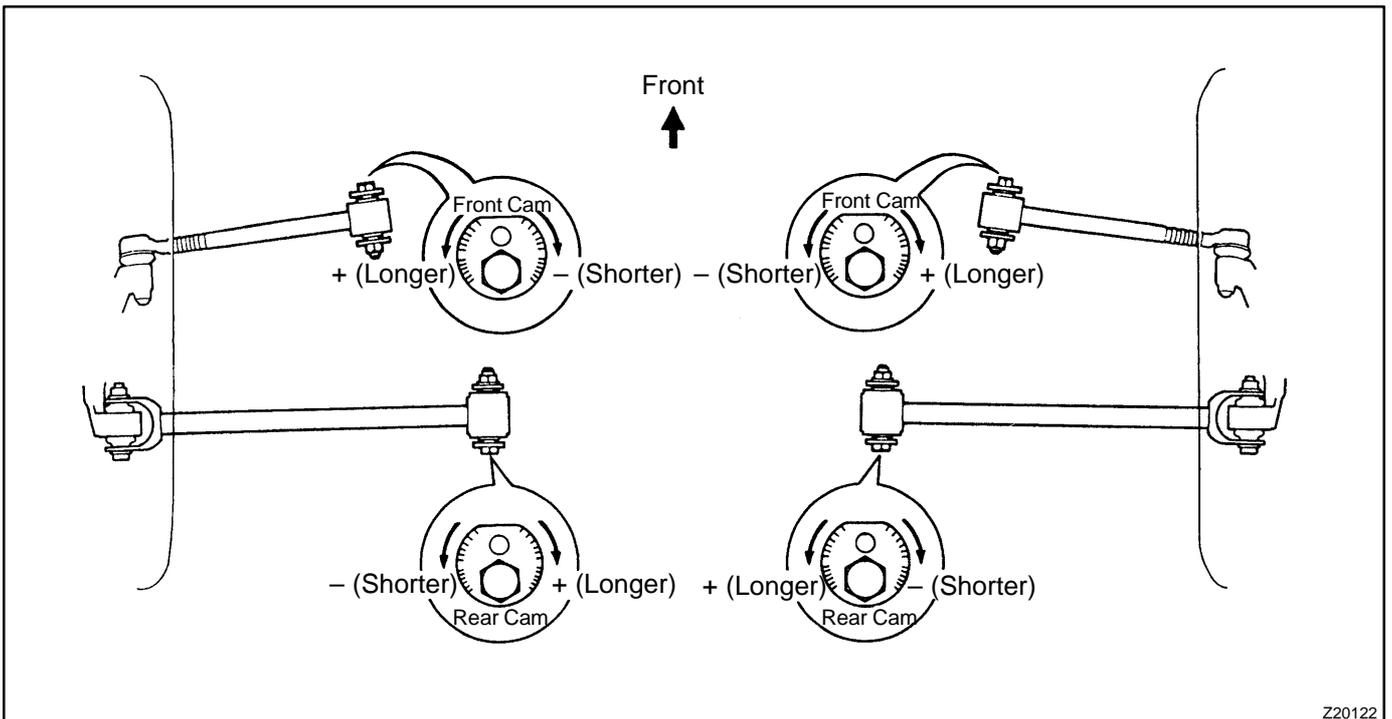
Amount to turn adjusting cam (by graduation):

LH Front cam: -(Shorter) 1.2

LH Rear cam: -(Shorter) 0.7

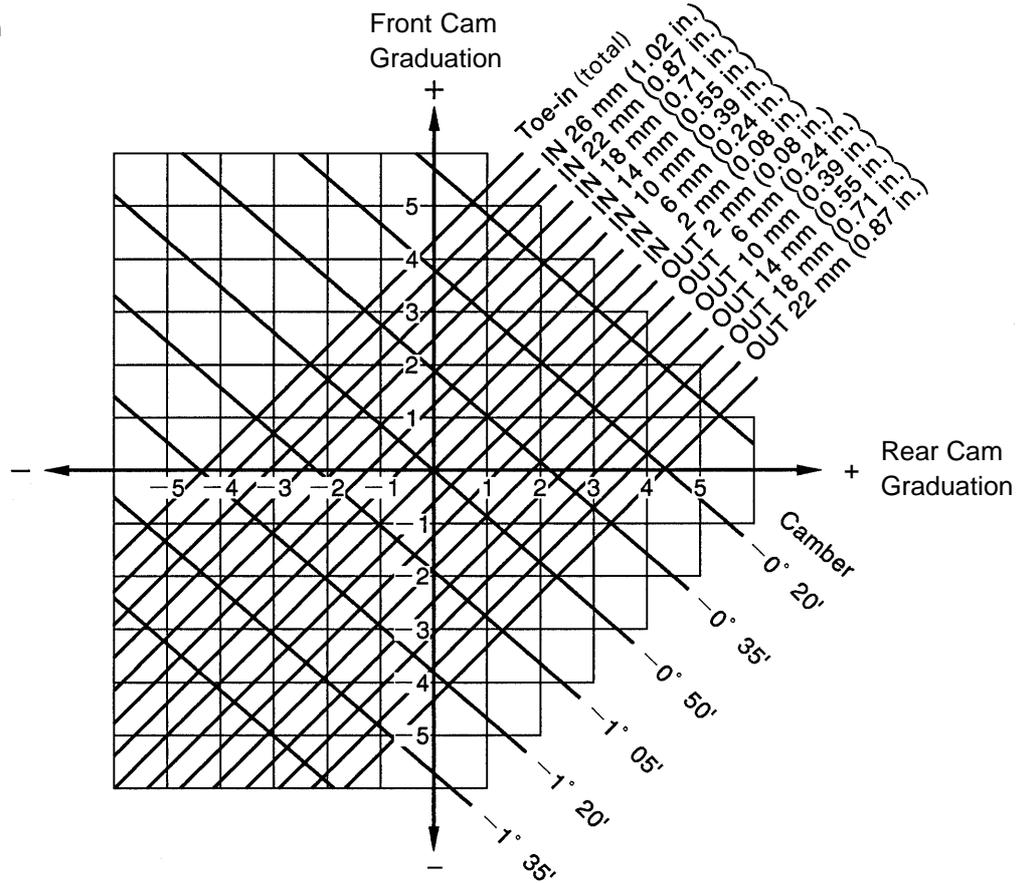
RH Front cam: +(Longer) 1.8

LH Rear cam: +(Longer) 2.3

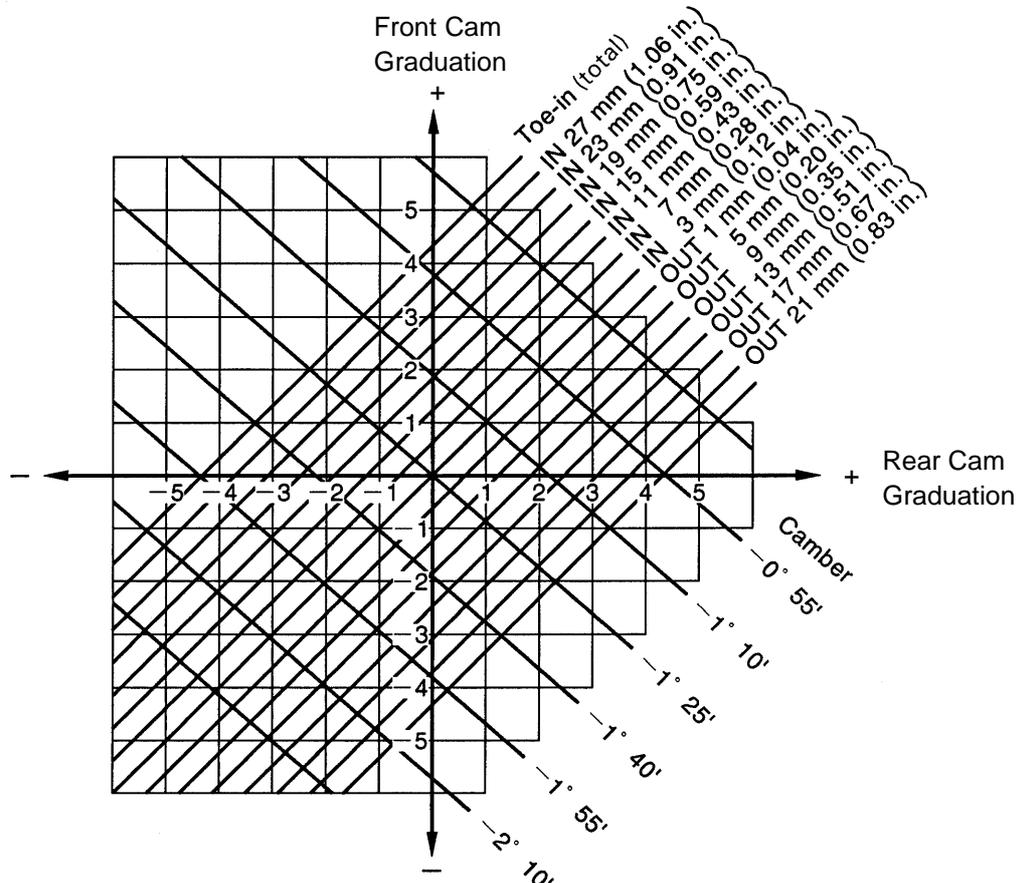


SUSPENSION AND AXLE - REAR WHEEL ALIGNMENT

Coil Suspension



Air Suspension



Z14546