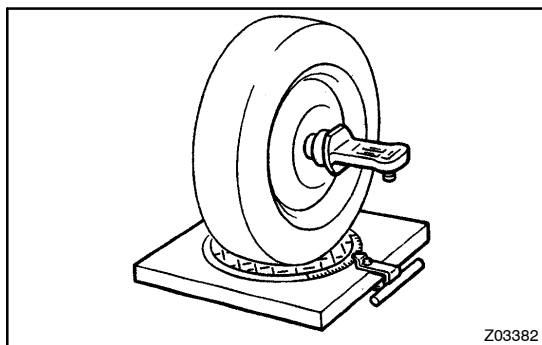
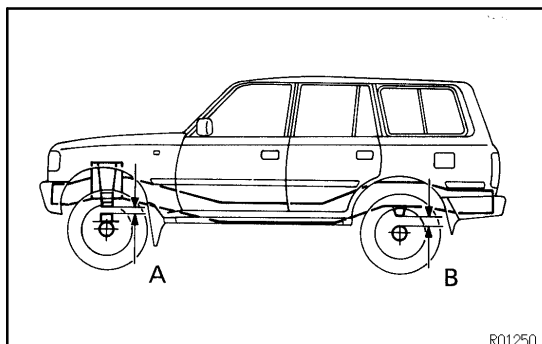




FRONT WHEEL ALIGNMENT INSPECTION

SA1U9-01

1. MEASURE VEHICLE HEIGHT

Clearance:

A (Follow spring clearance): 36 mm (1.42 in.)

B (Bumper stopper clearance): 104 mm (4.09 in.)

If the clearance of the vehicle is not standard, try to level the vehicle by rocking it down.

If still not correct, check for bad springs or suspension parts.

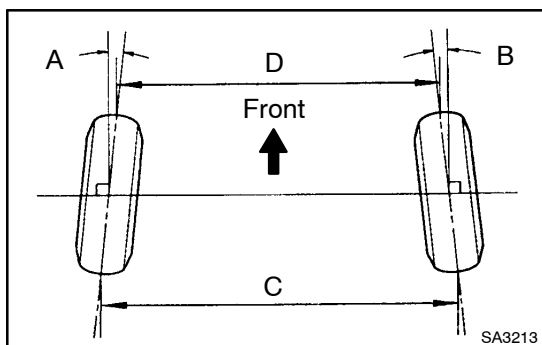
2. INSTALL CAMBER-CASTER-KINGPIN GAUGE OR ONTO WHEEL ALIGNMENT TESTER

Follow the specific instructions of the equipment manufacturer.

3. INSPECT CAMBER, CASTER AND STEERING AXIS INCLINATION

Camber	$1^{\circ} \pm 45'$ ($1^{\circ} \pm 0.75^{\circ}$)
Left-right error	45' (0.75°) or less
Caster	$3^{\circ} \pm 1^{\circ}$
Left-right error	45' (0.75°) or less
Steering axis inclination	$13^{\circ} \pm 45'$ ($13^{\circ} \pm 0.75^{\circ}$)

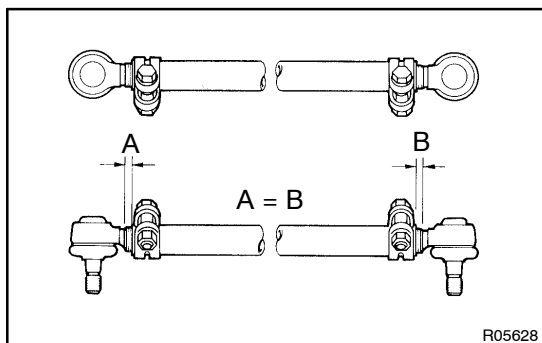
Camber, caster and steering axis inclination are not adjustable. If measurements are not within the specification, inspect the suspension parts for damaged and/or worn out parts and replace them as necessary.



4. INSPECT TOE-IN

Toe-in (total)	A+B: $0^{\circ} 12' \pm 12'$ ($0.2^{\circ} \pm 0.2^{\circ}$) C-D: 2 ± 2 mm (0.08 ± 0.08 in.)
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If toe-in is not within the specification, adjust by the tie rod end.



5. ADJUST TOE-IN

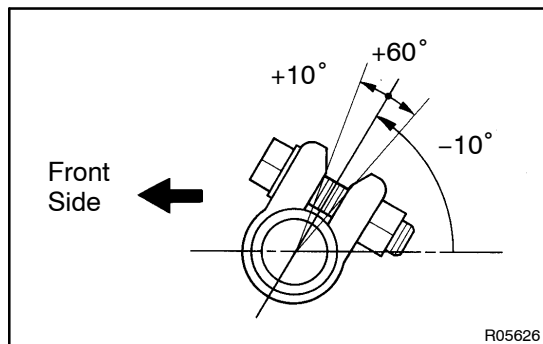
- Loosen the clamp bolts and nuts.
- Adjust toe-in to the correct value by turning the tie rod.

HINT:

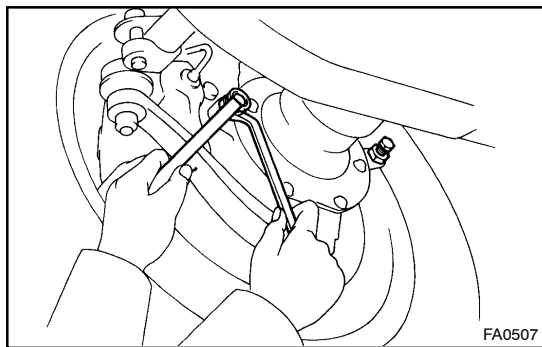
Make sure that the lengths of the left and right tie rod ends are the same.

- Torque the clamp bolts and nuts.

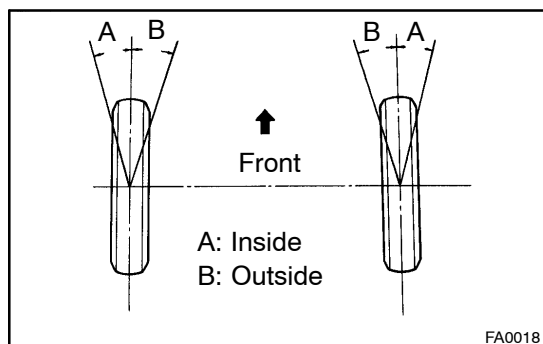
Torque: 37 N·m (375 kgf·cm, 27 ft·lbf)

**HINT:**

The clamps opening must be positioned at the rear of the tie rod end face within $60^\circ \pm 10^\circ$ from the vehicle axis.

**6. INSPECT WHEEL ANGLE**

- (a) Remove the caps of the knuckle stopper bolts and check the steering angles.



- (b) Turn the steering wheel fully, and measure the turning angle.

Inside wheel	32° - 35°
Outside wheel	31° (Reference)

HINT:

When the steering wheel is fully turned, make sure that the wheel is not touching the body or brake flexible hose.

If maximum steering angles differ from the standard value, adjust the wheel angle with the knuckle stopper bolts.

Torque: 44 N·m (450 kgf·cm, 33 ft·lbf)

If the wheel angle still cannot be adjusted within limits, inspect and replace damaged or worn steering parts.