

Front Wheel Alignment

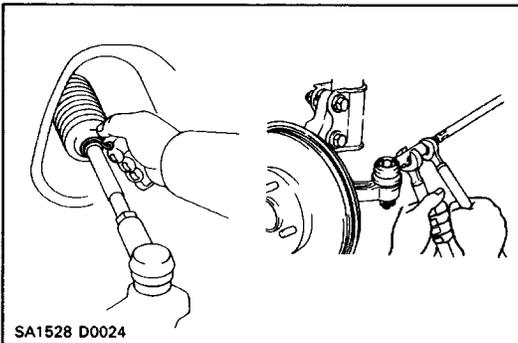
1. INSPECT TOE-IN

Toe-in (total):

A+B $0^\circ \pm 0.2^\circ$

(C - D 0 ± 2 mm, 0 ± 0.08 in.)

If toe-in is not within specification, adjust by the tie rod end.



2. ADJUST TOE-IN

- Remove the boot clips.
- Loosen the tie rod end lock nut.
- Turn the left and right tie rod ends an equal amount to adjust the toe-in.

Toe-in (total):

A + B $0^\circ \pm 0.2^\circ$

(C - D 0 ± 2 mm, 0 ± 0.08 in.)

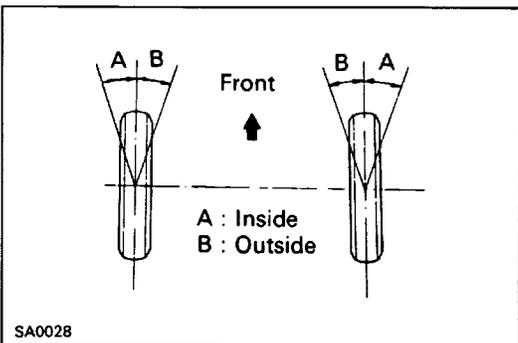
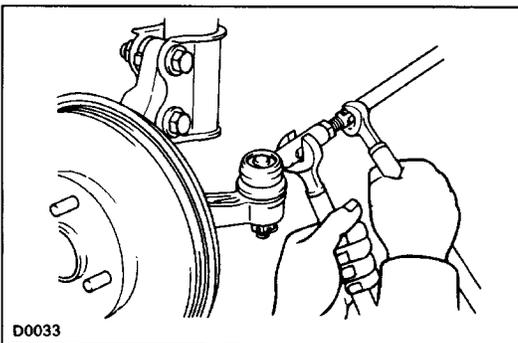
HINT: Insure that the lengths of the left and right tie rod ends length are the same.

Tie rod end length left-right error:

1.0 mm (0.039 in.) or less

- Torque the tie rod end lock nuts.
- Place the boot on the seat and clamp it.

HINT: Insure that the boots are not twisted.



3. CHECK WHEEL ANGLE

Wheel Angle (Maximum):

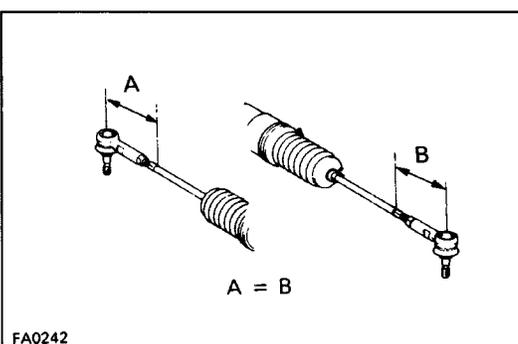
Inside wheel $33^\circ 30'$

Outside wheel $29^\circ 30'$

If wheel angles differ from the standard specifications, check to see if the lengths of the left and right tie rods are the same.

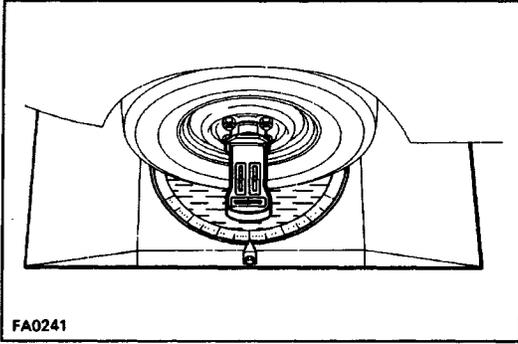
HINT: If the tie rod lengths are not equal, the wheel angle cannot be adjusted properly.

If the tie rod lengths were changed to adjust the wheel angle, inspect the toe-in.



4. INSTALL WHEEL ALIGNMENT EQUIPMENT

Follow the specific instructions of the equipment manufacturer.

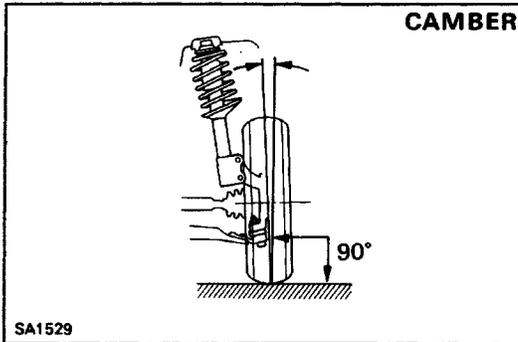
**5. CHECK CAMBER**

Camber:

Camber $-10' \pm 45'$

Cross camber 30' or less

HINT: Camber is not adjustable, if measurement is not within specification, inspect and replace the suspension parts as necessary.

**6. CHECK CASTER**

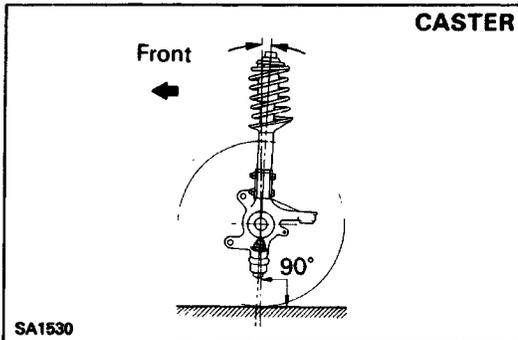
Caster:

Caster $0^{\circ}55' \pm 45'$ (2WD)

$0^{\circ}50' \pm 45'$ (4WD)

Cross caster 30' or less

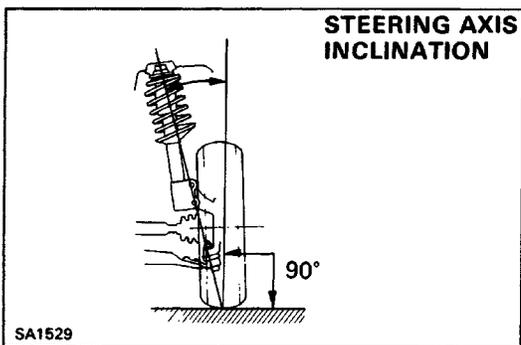
HINT: Caster is not adjustable, if measurement is not within specification, inspect and replace the suspension parts as necessary.

**7. CHECK STEERING AXIS INCLINATION**

Steering axis inclination:

Steering axis inclination $14^{\circ}10' \pm 45'$

HINT: Steering axis inclination is not adjustable, if measurement is not within specification, inspect and replace the suspension parts as necessary.

**8. CHECK SIDE SLIP (REFERENCE ONLY)**

Side slip: 3.0 mm/m (0.118 in./3.3 ft) or less

