

Front Wheel Alignment

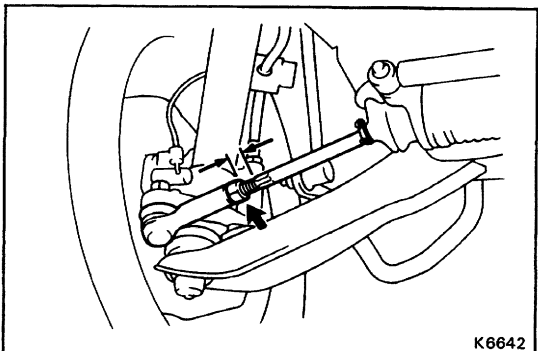
1. INSPECT TOE-IN

Toe-in (total):

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

$$(C - D) \quad 2 \pm 2 \text{ mm}, 0.08 \pm 0.08 \text{ in.}$$

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):

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

$$(C - D) \quad 2 \pm 2 \text{ mm}, 0.08 \pm 0.08 \text{ in.}$$

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

Tie rod end length left-right error:

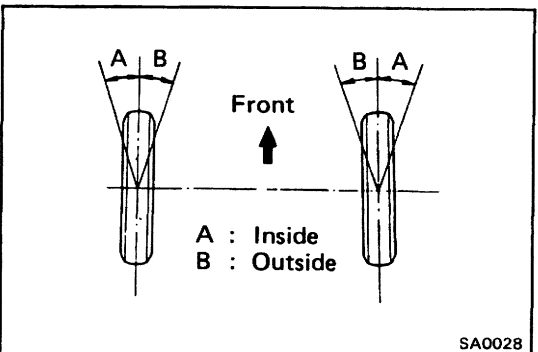
$$\text{Less than } 1.0 \text{ mm (0.039 in.)}$$

- Torque the tie rod end lock nuts.

Torque: 570 kg-cm (41 ft-lb, 56 N-m)

- Place the boot on the seat and clamp it.

HINT: Insure that the boots are not twisted.



3. CHECK WHEEL ANGLE

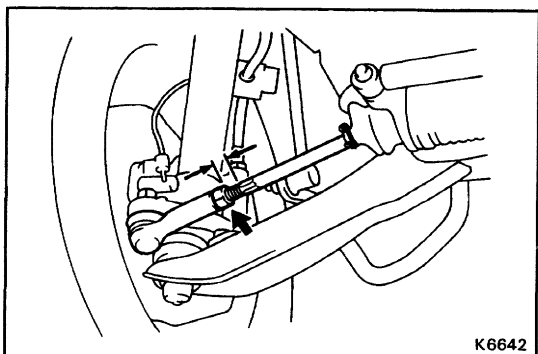
Wheel Angle:

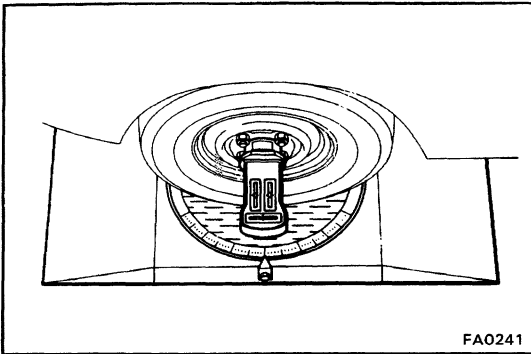
Max.		at 20° (Outside wheel)
Inside wheel	Outside wheel	Inside wheel
41°28' +1° -2°	34°17'	21°00'

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.

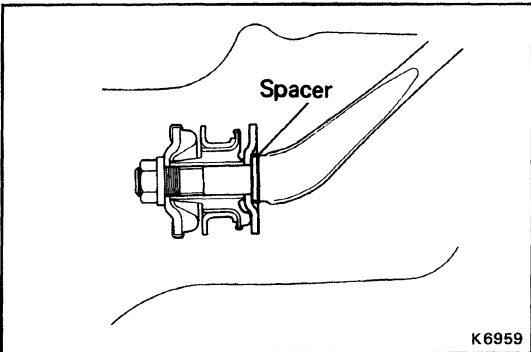
5. CHECK CAMBER, CASTER AND STEERING AXIS INCLINATION

Camber: $0^{\circ} 30' \pm 45'$

Caster: $7^{\circ} 20' \pm 45'$

Steering axis inclination: $13^{\circ} 10' \pm 45'$

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

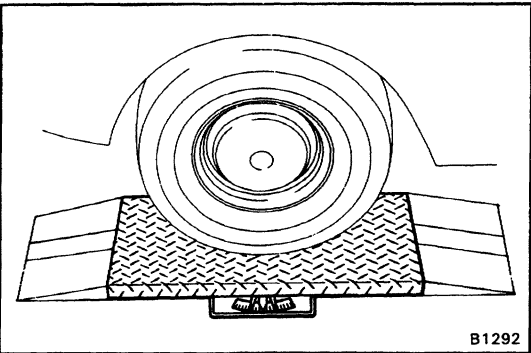


6. ADJUST CASTER

Adjust the caster by adding or removing spacers for the strut bar.

HINT:

- Adjust using only one or two spacers.
- If the specifications vary greatly, inspect the strut bar and bracket for deformation and incorrect installation.
- The caster changes approx. 20' with one spacer.



7. CHECK SIDE SLIP (REFERENCE ONLY)

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