

WHEEL ALIGNMENT 2WD

FRONT WHEEL ALIGNMENT

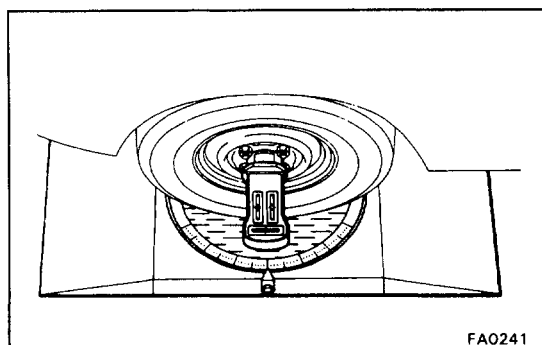
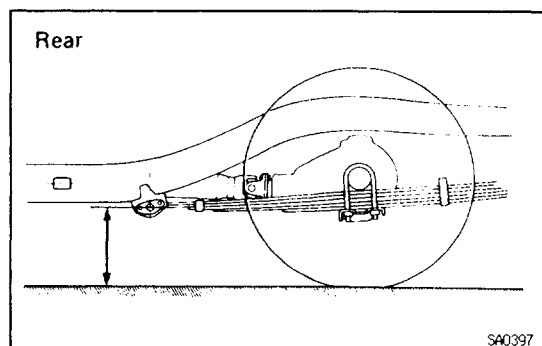
1. MEASURE CHASSIS GROUND CLEARANCE

Vehicle ground clearance:

See page [SA-203](#)

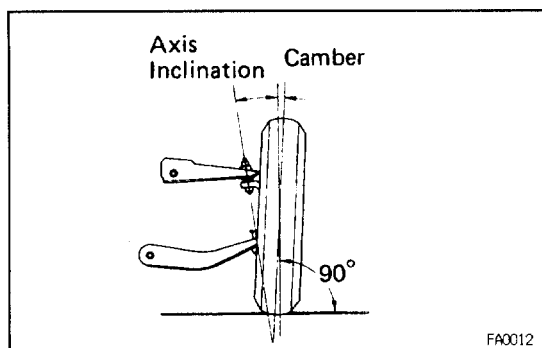
If the vehicle height is not standard, try to adjust it by pushing down on the body or by lifting the body.

NOTICE: Before inspecting wheel alignment, adjust chassis ground clearance to specification.



2. INSTALL WHEEL ALIGNMENT EQUIPMENT

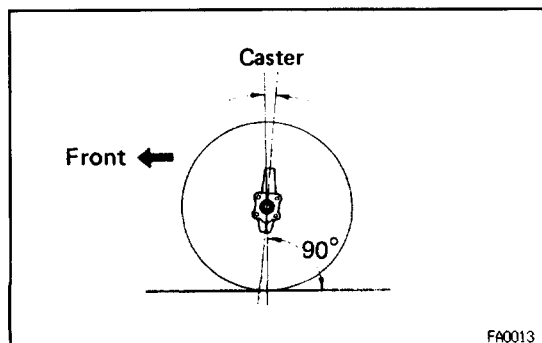
Follow the specific instructions of the equipment manufacturer.

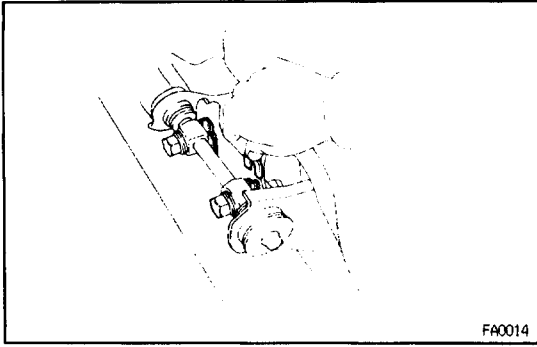


3. INSPECT CAMBER, CASTER AND STEERING AXIS INCLINATION

Specifications:

See page [SA-203](#)



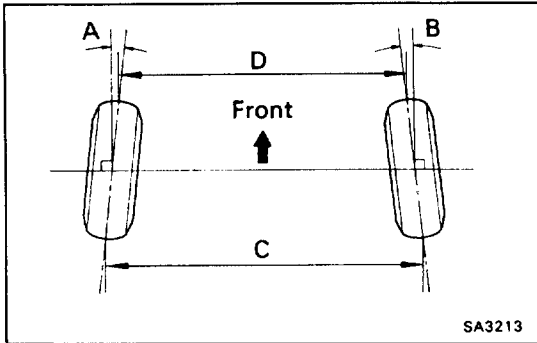


If camber or caster is not within specification, adjust by adding or removing shims on the upper arm.

Shim thickness:

4.0 mm (0.157 in.)	1.6 mm (0.063 in.)	1.2 mm (0.047 in.)
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HINT: If the steering axis inclination is not as specified after camber and caster have been correctly adjusted, recheck the steering knuckle and front wheel for bending distortion or looseness.

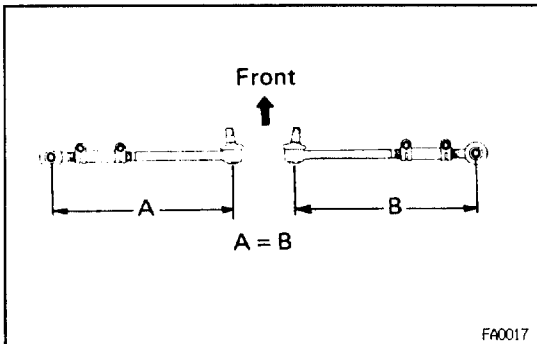


4. INSPECT TOE-IN

Toe-in:

See page [SA-203](#)

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



5. ADJUST TOE-IN

- Loosen the clamp bolts.
- Adjust toe-in by turning the left and right tie rod tubes an equal amount.

Toe-in:

See page [SA-203](#)

HINT: Make sure that the tie rods are the same length.

Left-right error:

3.0 mm (0.118 in.) or less

- Tighten the clamp bolts and torque them.

Torque: 25 N·m (260 kgf·cm, 19 ft·lbf)

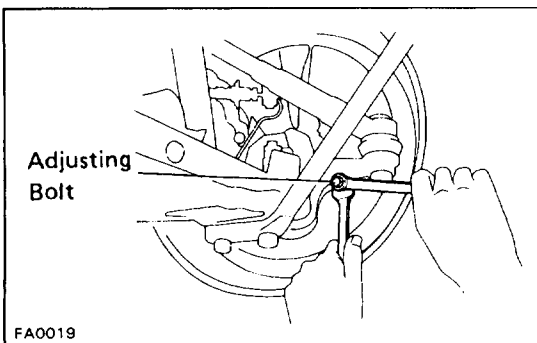
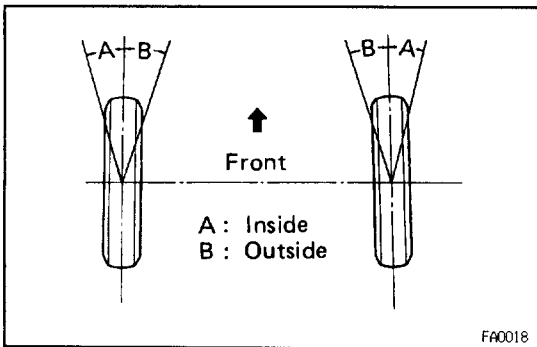
6. INSPECT WHEEL ANGLE

Remove the caps of the knuckle stopper bolts and check the steering angles.

Wheel angle:

See page [SA-204](#)

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 standard value, adjust the wheel angle with the knuckle stopper bolts.

Torque: 34 N·m (350 kgf·cm, 25 ft·lbf)

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