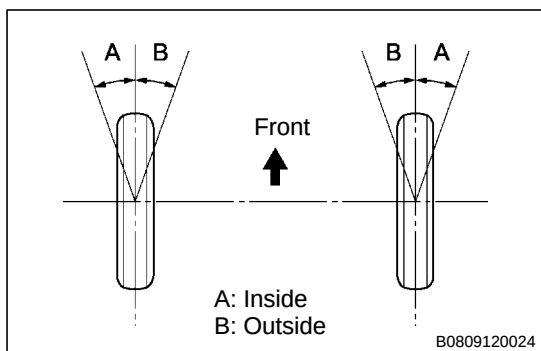
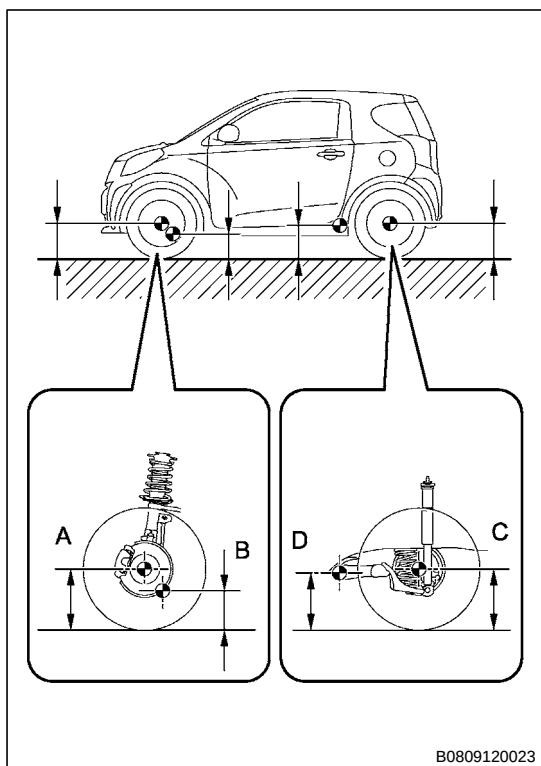


5. WHEEL ALIGNMENT STANDARD

(a) FRONT WHEEL ALIGNMENT



(1) Vehicle Height (Unloaded Vehicle)

NOTICE:

- Before inspecting the wheel alignment, check the vehicle height.
- Perform the inspection while the vehicle is empty (with the tire puncture repair kit in the vehicle and the tools removed from the vehicle).

HINT:

Bounce the vehicle up and down at the corners to stabilize the suspension before inspecting the vehicle.

Measuring points:

- A: Ground clearance of front wheel center
 B: Ground clearance of front lower arm set rear bolt center
 C: Ground clearance of rear wheel center
 D: Ground clearance of axle beam set bolt center

Engine	Front A - B	Rear D - C
1KR-FE	80 mm (3.15 in.)	0mm (0 in.)
1ND-TV	81 mm (3.19 in.)	1mm (0.04 in.)

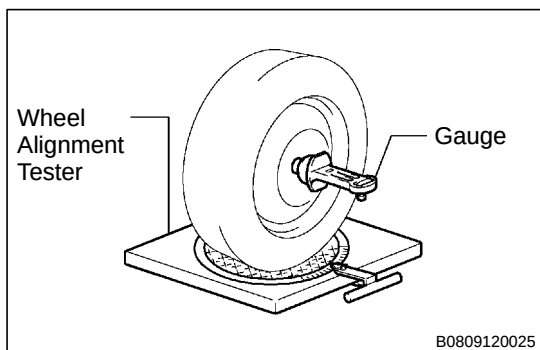
(2) Wheel Turning Angle (Unloaded Vehicle)

NOTICE:

Perform the inspection while the vehicle is empty (with the tire puncture repair kit in the vehicle and the tools removed from the vehicle).

If the right and left inside wheel angles are not within the specified range, check the right and left rack end lengths.

Engine	Inside Wheel	Outside Wheel Reference
1KR-FE	43°34' $\pm$ 2° (43.57° $\pm$ 2°)	35°35' (35.58°)
1ND-TV	43°32' $\pm$ 2° (43.53° $\pm$ 2°)	35°34' (35.57°)

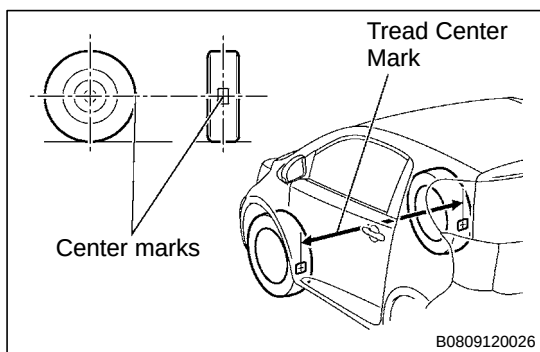


(3) Camber, Caster and Steering Axis Inclination (Unloaded Vehicle)

NOTICE:

- Perform the inspection while the vehicle is empty (with the tire puncture repair kit in the vehicle and the tools removed from the vehicle).
- The tolerance for the difference between the left and right wheels is 30' (0.5°) or less for both the camber and caster.

Engine	Camber	Caster	Steering Axis Inclination (Reference)
1KR-FE	-0°25' +/-45' (-0.42° +/-0.75°)	7°27' +/-45' (7.45° +/-0.75°)	10°31' (10.52°)
1ND-TV	-0°26' +/-45' (-0.43° +/-0.75°)	7°26' +/-45' (7.43° +/-0.75°)	10°32' (10.53°)

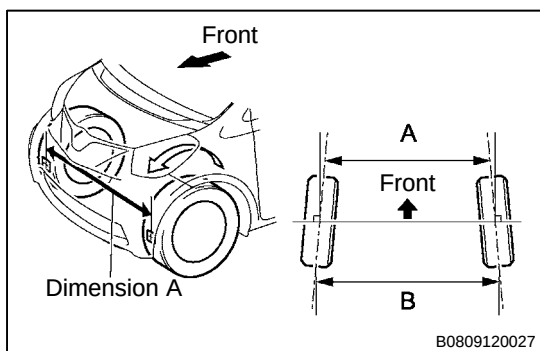


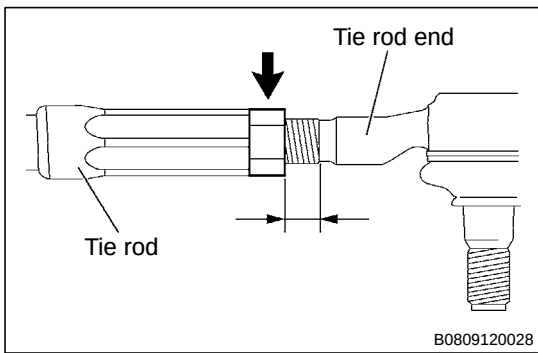
(4) Toe-in

HINT:

Measure the distance between the tread center marks on the front side of the wheels.

Engine	Specified Condition
1KR-FE	B – A: 1.8 +/-3.0 mm (0.07 +/-0.12 in.)
1ND-TV	B – A: 1.7 +/-3.0 mm (0.07 +/-0.12 in.)

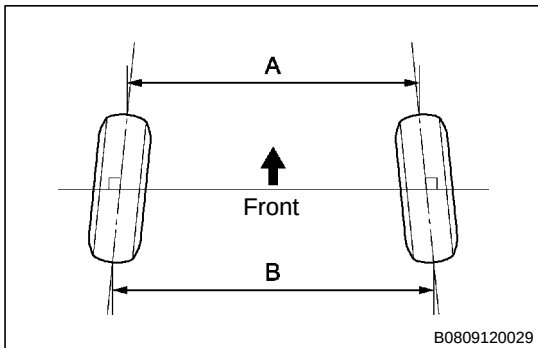




(5) Adjust Toe-in

Engine	Specified Condition
1KR-FE	B - A: 1.8 +/-1.0 mm (0.07 +/-0.04 in.)
1ND-TV	B - A: 1.7 +/-1.0 mm (0.07 +/-0.04 in.)

(b) REAR WHEEL ALIGNMENT



(1) Toe-in (Unloaded Vehicle)

HINT:

If the toe-in is not within the specified range, inspect the suspension parts and replace them if necessary.

B - A
3.0 +/-3.0 mm (0.12 +/-0.12 in.)

(2) Camber

NOTICE:

- **Perform the inspection while the vehicle is empty (with the tire puncture repair kit in the vehicle and the tools removed from the vehicle).**
- **The tolerance for the difference between the left and right wheels is 30' (0.5°) or less for both cambers.**

If the camber is not within the specified range, inspect the suspension parts and replace them if necessary.

Camber	Right - left error
-0°52' +/-30' (-0.87° +/-0.5°)	0°30' (0.5°)