

REAR WHEEL ALIGNMENT (4WD)

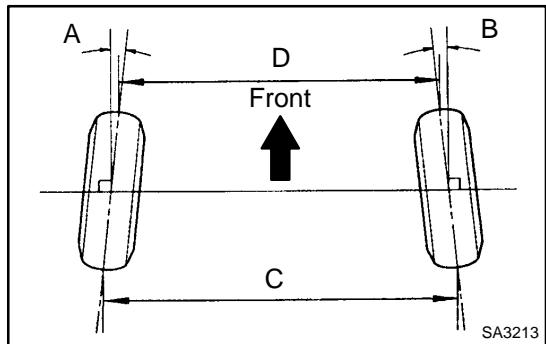
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ADJUSTMENT

1. INSPECT TIRE (See page 28-1)
2. MEASURE VEHICLE HEIGHT (See page 26-6)

NOTICE:

Before inspecting the wheel alignment, adjust the vehicle height to the specified value.



3. INSPECT TOE-IN

Toe-in (total)	A + B: $0^\circ 12' \pm 12'$ ($0.20^\circ \pm 0.20^\circ$) C – D: 2.0 ± 2.0 mm (0.08 ± 0.08 in.)
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If the toe-in is not within the specified value, inspect and replace the suspension parts as necessary.

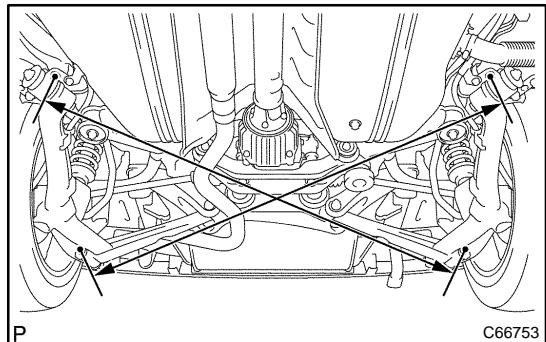
4. INSPECT CAMBER

- (a) Install the camber–caster–kingpin gauge or position vehicle on wheel alignment tester.
- (b) Inspect the camber.

Camber:

Camber	Right-left error	$-0^\circ 44' \pm 45'$ ($-0.73^\circ \pm 0.75^\circ$) $45'$ (0.75°) or less
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If the measured value is not within the specified value, inspect the suspension parts for damage and/or wear and replace them if necessary because camber is not adjustable.

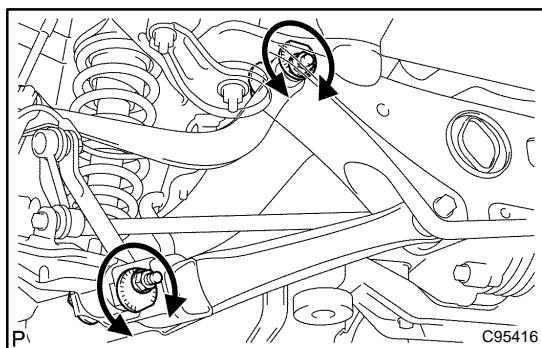


5. ADJUST CAMBER AND TOE-IN

- (a) Measure the distance from the LH lower suspension arm bracket set bolt to the RH axle carrier rear side set bolt as shown in the illustration.
- (b) Measure the distance from the RH lower suspension arm bracket set bolt to the LH axle carrier rear side set bolt as shown in the illustration.
- (c) Employ the same manner to the LH–RH.

Length difference: 6.0 mm (0.236 in.) or less

If the difference exceeds the specified value, adjust it by turning the adjusting cams.



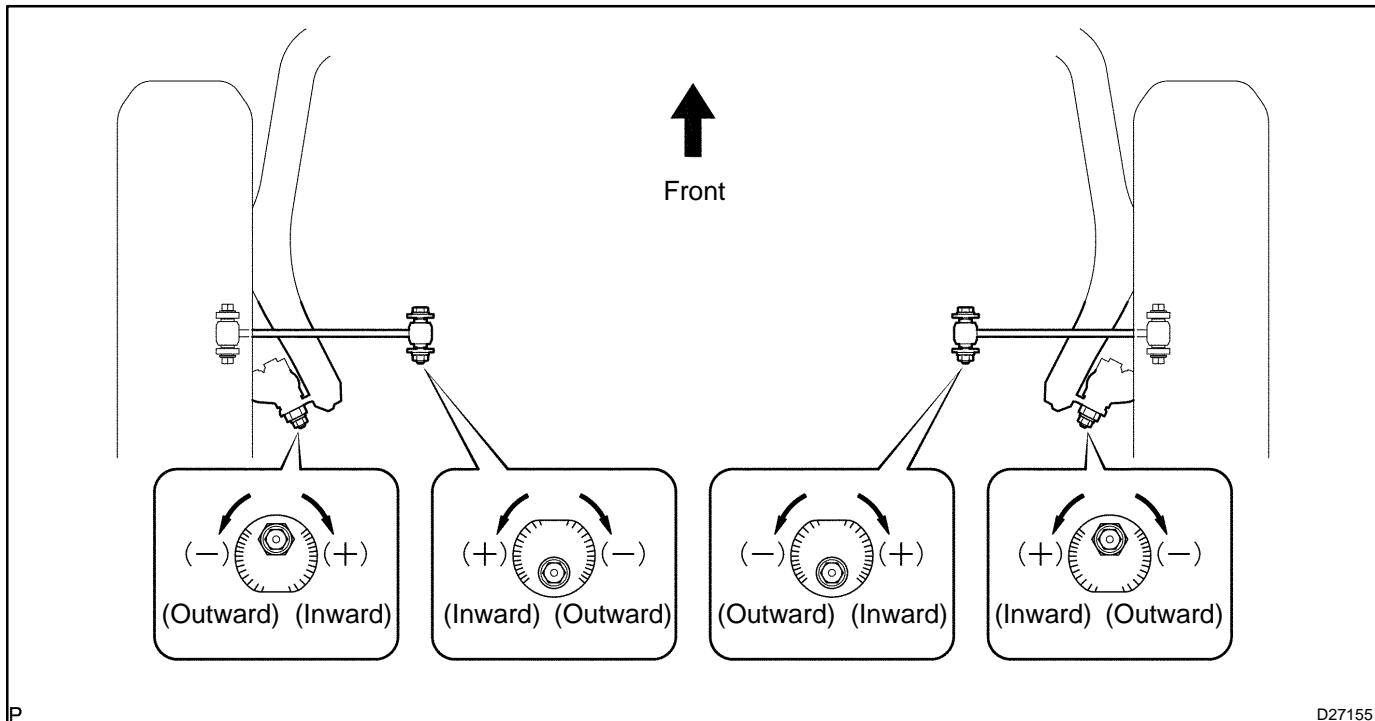
- (d) Loosen the upper and lower suspension arm adjusting cam set nuts.
- (e) Adjust the camber and toe-in by turning the adjusting cams.

HINT:

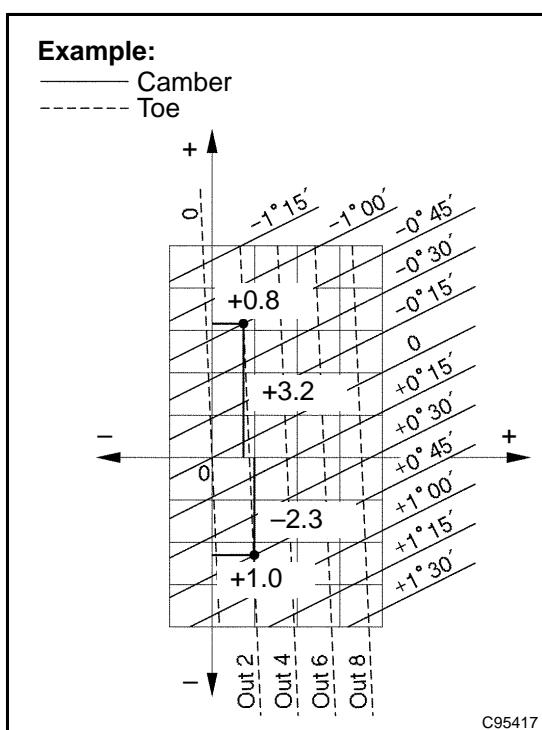
Try to adjust the camber and toe-in to the center of the specified values.

- (f) Tighten the upper and lower suspension arm adjusting cam set nuts.

Torque: 74 N·m (755 kgf·cm, 55 ft·lbf)



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- (g) How to read adjusting chart (using examples).

- (1) Measure the present alignment.

Example:

Camber (RH): +0°01' (+0.02°)

Camber (LH): -1°29' (-1.48°)

Toe-in (total): IN 6.0 mm (0.236 in.)

- (2) Mark the difference between the standard value (A) and the measured value (B) on the adjustment chart.

Standard value:

Camber: -0°44' (-0.73°)

Toe-in (total): IN 2.0 mm (0.079 in.)

Formula: A - B = C

Camber: (RH): -0°44' - (+0°01') = -0°45'

Camber: (LH): -0°44' - (-1°29') = 0°45'

Toe-in (total): IN 2.0 - IN 6.0 = OUT 4.0

Toe-in (each side): OUT 2.0

- (3) As shown in the example chart, read the distance from the marked point to center of the chart, and adjust the upper and/or lower arm adjusting cams accordingly.

Amount to turn adjusting cams (by graduation):

Upper arm cam (RH): + (Inward) 3.2

Lower arm cam (RH): + (Inward) 0.8

Upper arm cam (LH): - (Outward) 2.3

Lower arm cam (LH): + (Inward) 1.0

— Camber
- - - Toe

(+) Upper Arm Cam Graduation

