

REAR WHEEL ALIGNMENT INSPECTION

SA1PZ-01

1. MEASURE VEHICLE HEIGHT (See page SA-4)
2. INSTALL CAMBER-CASTER-KINGPIN GAUGE OR POSITION VEHICLE ON WHEEL ALIGNMENT TESTER

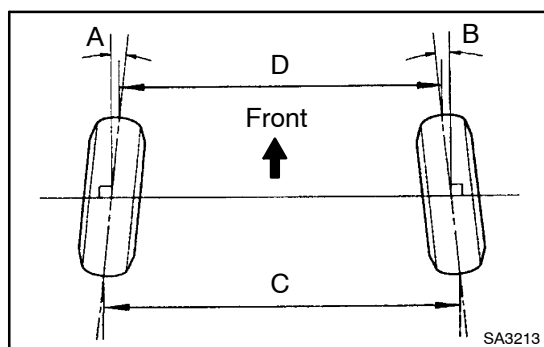
Follow the specific instructions of the equipment manufacturer.

3. INSPECT CAMBER

Camber:

Europe:	
Camber	$-1^{\circ}05' \pm 45' (-1.08^{\circ} \pm 0.75^{\circ})$
Right-left error	45' (0.75°) or less
Australia:	
Camber	$-0^{\circ}58' \pm 45' (-0.97^{\circ} \pm 0.75^{\circ})$
Right-left error	45' (0.75°) or less

If the camber is not within the specified value, after the toe-in is inspected, see step 5. to adjust.

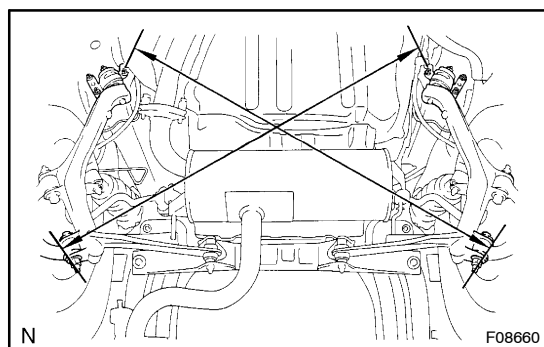


4. INSPECT TOE-IN

Toe-in:

Toe-in (total)	A + B: $0^{\circ}18' \pm 12' (0.3^{\circ} \pm 0.2^{\circ})$ C - D: $3 \pm 2 \text{ mm } (0.12 \pm 0.08 \text{ in.})$
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If the toe-in is not within the specified value, see step 5. to adjust.

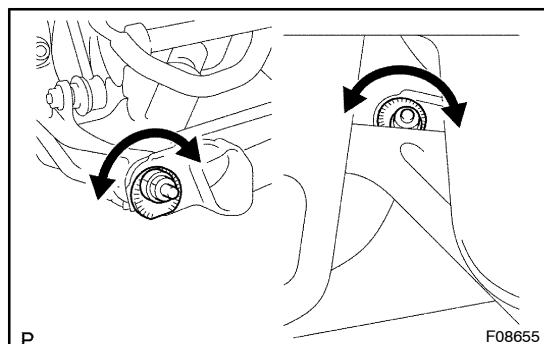


5. ADJUST CAMBER AND TOE-IN

- (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) Employ the same manner to the RH-LH.

Length difference: 6 mm or less

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



- (c) Loosen the upper and lower arm adjusting cam set nuts.
- (d) 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.

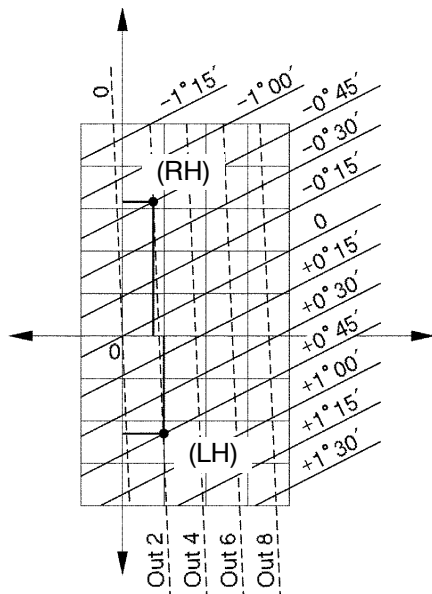
- (e) Torque the upper and lower arm adjusting cam set nuts.
Torque: 74 N·m (755 kgf·cm, 55 ft·lbf)

6. HOW TO READ ADJUSTMENT CHART (EXAMPLE)

- (a) Measure the present alignment.

Example:**Camber (RH): $-0^{\circ}20'$ (-0.33°)****Camber (LH): $-1^{\circ}50'$ (-1.83°)****Toe-in (total): IN 7 mm (0.28 in.)****Example:**

——— Camber
 - - - - - Toe-in

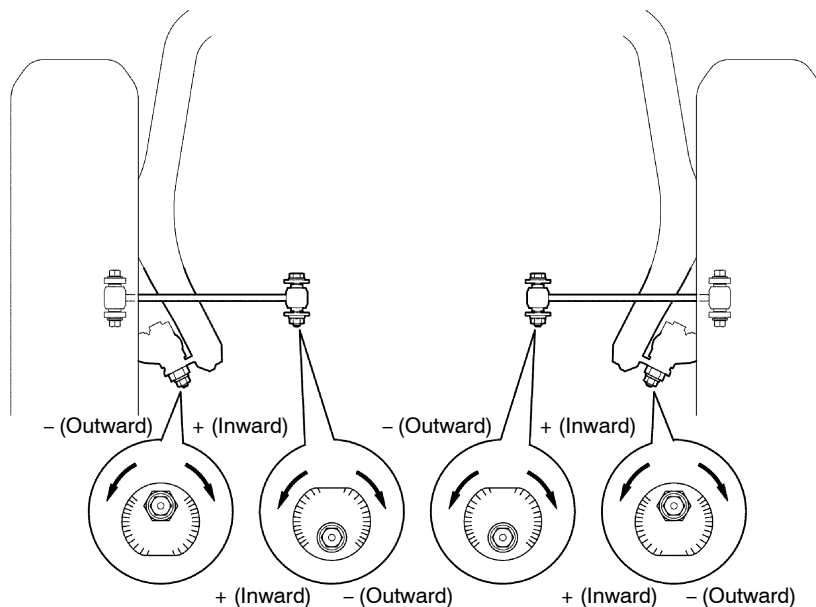


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- (b) Mark the difference between the standard value (A) and the measured value (B) on the adjustment chart.

Standard value:**Camber: $-1^{\circ}05'$ (-1.08°)****Toe-in (total): IN 3mm (0.12 in.)****Formula: $A - B = C$** **Camber (RH): $-1^{\circ}05' - (-0^{\circ}20') = -0^{\circ}45'$** **Camber (LH): $-1^{\circ}05' - (-1^{\circ}50') = 0^{\circ}45'$** **Toe-in (total): IN3 - IN7 = OUT 4****Toe-in (each side): OUT 2**

- (c) 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**

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