

Last Modified: 5-3-2010	6.4 G	From: 200904
Model Year: 2010	Model: Prius	Doc ID: RM000002Y7V00WX
Title: ALIGNMENT / HANDLING DIAGNOSIS: REAR WHEEL ALIGNMENT: INSPECTION (2010 Prius)		

INSPECTION

NOTICE:

If the wheel alignment has been adjusted, and if suspension or underbody components have been removed/installed or replaced, be sure to perform the following initialization procedure in order for the system to function normally:

- Perform zero point calibration of the yaw rate and acceleration sensor and test mode inspection.

1. INSPECT TIRES

INFO .

2. MEASURE VEHICLE HEIGHT

INFO

3. INSPECT CAMBER

NOTICE:

Inspect while the vehicle is unloaded.

- Install a camber-caster-kingpin gauge.
- Inspect the camber.

Camber (Unloaded Vehicle):

TIRE SIZE	CAMBER INCLINATION	RIGHT-LEFT DIFFERENCE
195/65R15	-1°29' +/- 30' (-1.48° +/- 0.50°)	30' (0.50°) or less
215/45R17	-1°28' +/- 30' (-1.47° +/- 0.50°)	

HINT:

Camber is not adjustable. If the measurement is not within the specified range, inspect the suspension parts for damage and/or wear, and replace them if necessary.

4. INSPECT TOE-IN

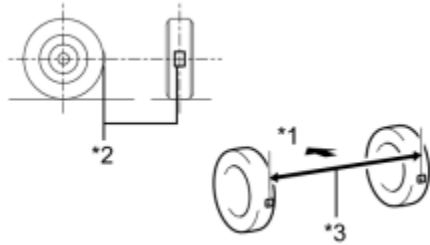
NOTICE:

Inspect while the vehicle is unloaded.

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

- (b) Release the parking brake and move the shift lever to N.
- (c) Push the vehicle straight ahead approximately 5 m (16.4 ft.). (Step A)

- (d) Put tread center marks on the rearmost points of the rear wheels and measure the distance between the marks (dimension B).



Text in Illustration

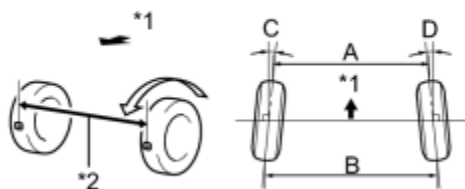
*1	Front of the Vehicle
*2	Tread Center Mark
*3	Dimension B

- (e) Slowly push the vehicle straight ahead to cause the rear wheels to rotate 180° using the rear tire valve as a reference point.

HINT:

Do not allow the wheels to rotate more than 180°. If the wheels rotate more than 180°, perform the procedure from Step A again.

- (f) Measure the distance between the tread center marks on the front side of the wheels (dimension A).



Text in Illustration

*1	Front of the Vehicle
*2	Dimension A

Toe-in (Unloaded Vehicle):

TIRE SIZE	SPECIFIED CONDITION	RIGHT-LEFT DIFFERENCE
195/65R15	C + D: 0°17' +/- 18' (0.29° +/- 0.30°) C + D: 0°10' +/- 18' (0.17° +/- 0.30°)*	45' (0.75°) or less
	B - A: 2.9 +/- 3 mm (0.114 +/- 0.118 in.) B - A: 1.7 +/- 3 mm (0.0669 +/- 0.118 in.)*	-
215/45R17	C + D: 0°15' +/- 18' (0.25° +/- 0.30°)	45' (0.75°) or less

	B - A: 2.5 +/- 3 mm (0.0984 +/- 0.118 in.)	-
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* For vehicle height for Rough Road Package.

HINT:

Measure "B - A" only when "C + D" cannot be measured.

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

