REAR SUSPENSION

REAR WHEEL ALIGNMENT

Specification (Unloaded Vehicle)

Standard suspension

Item			Specification
Total toe-in	Tire [Tolerance ±4 mm {0.15 in}]	(mm {in})	3 {0.12}
	Rim inner	(mm {in})	1.9±2.5 {0.075±0.098}
		degree	0°16′±20′
Camber [Tolerance ±1°]	Vehicle height: From the end of the rear fender to the center of the wheel (mm {in})	361—370 {14.2—14.5}	-1°30′
		371—380 {14.6—14.9}	-1°12′
		381—390 {15.0—15.3}	-0°56′
		391—400 {15.4—15.7}	-0°43′
		401—410 {15.8—16.1}	-0°33′

Sport suspension

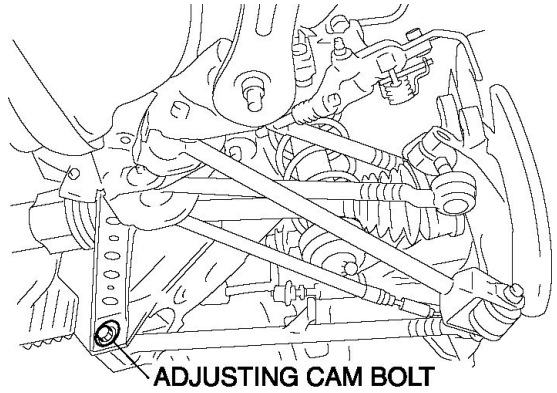
Item			Specification
Total toe-in	Tire [Tolerance ±4 mm {0.15 in}]	(mm {in})	3 {0.12}
	Rim inner	(mm {in})	2.1±2.8 {0.083±0.110}
		degree	0°16′±20′
Camber [Tolerance ±1°]	Vehicle height: From the end of the rear fender to the center of the wheel (mm {in})	354—363 {13.9—14.2}	-1°44′
		364—373 {14.3—14.6}	-1°24′
		374—383 {14.7—15.0}	-1°07′
		384—393 {15.1—15.4}	-0°52′
		394—403 {15.5—15.8}	-0°40′

NOTE:

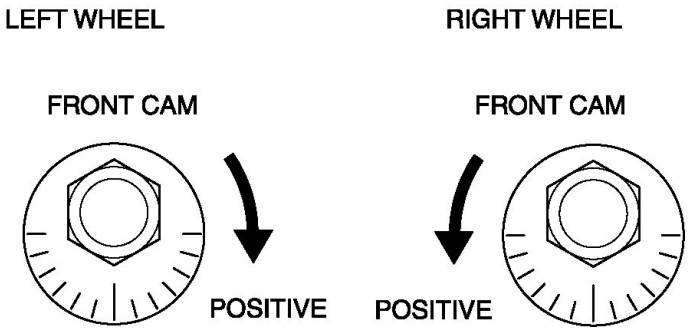
- Unloaded vehicle: Fuel tank is full. Engine coolant and engine oil are at specified level. Jack and tools are in designated position.
- Difference between the left and right camber angle is within **1°** .

Camber Adjustment

1. Loosen the fixing nut of the adjusting cam bolt (rear lateral link (lower)).



2. Rotate the adjusting cam bolt in either direction to adjust the camber.



Standard suspension

Vehicle height*	Camber
361—370 {14.2—14.5}	-1°30′±1°
371—380 {14.6—14.9}	-1°12′±1°
381—390 {15.0—15.3}	-0°56′±1°
391—400 {15.4—15.7}	-0°43′±1°
401—410 {15.8—16.1}	-0°33′±1°

Sport suspension

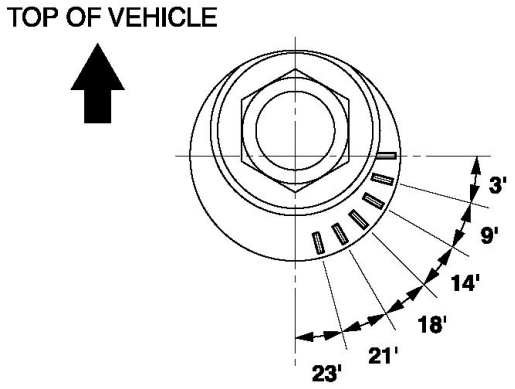
Vehicle height*	Camber
354—363 {13.9—14.2}	-1°44′±1°
364—373 {14.3—14.6}	-1°24′±1°
374—383 {14.7—15.0}	-1°07′±1°
384—393 {15.1—15.4}	-0°52′±1°
394—403 {15.5—15.8}	-0°40′±1°

* : From the end of the rear fender to the center of the wheel (mm {in})

	Left wheel	Right wheel
Positive direction	Counterclockwise	Clockwise
Negative direction	Clockwise	Counterclockwise

NOTE:

- Refer to the figure for the adjusting angle per one graduation.



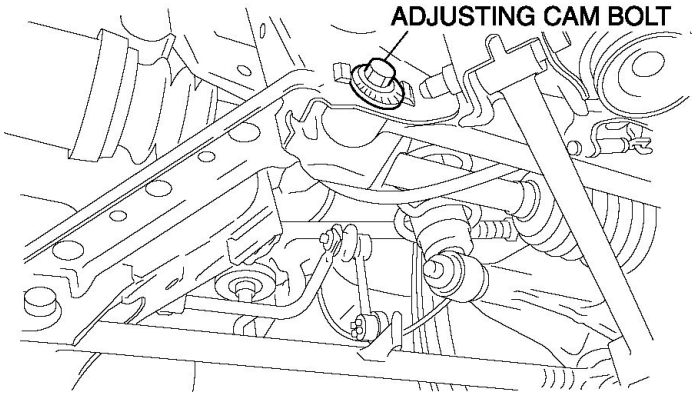
3. Tighten the nut.

   Tightening torque

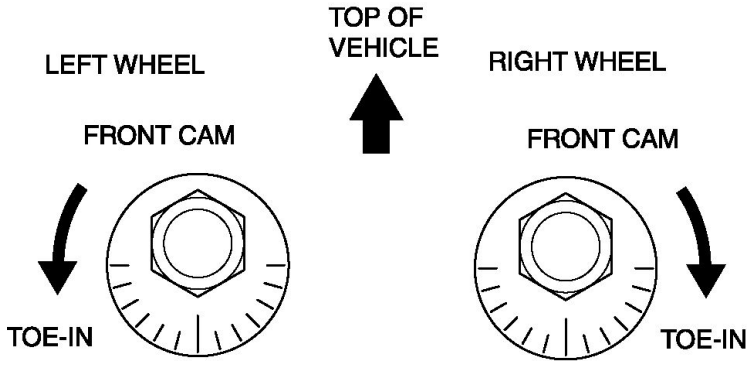
   - **117.7—137.3 N·m {12.1—14.0 kgf·m, 86.9—101.2 ft·lbf}**

Total Toe-in Adjustment

1. Loosen the installation nut of the adjusting cam bolt.



2. Rotate the adjusting cam bolt in either direction to adjust the toe-in.

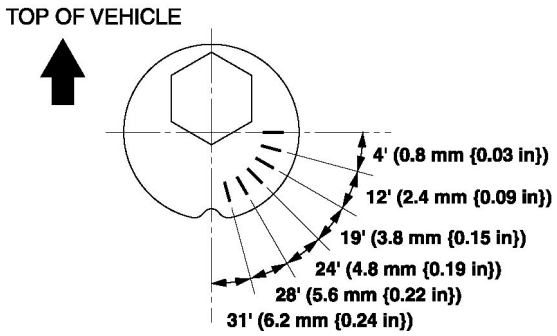


Standard

- 2±4 mm {0.08±0.15 in} (0°16′±20′)

NOTE:

- Refer to the following figure for the adjusting angle per one graduation of the toe-in gauge.



3. Tighten the nut.

Tightening torque

- **70—95 N·m {7.2—9.6 kgf·m, 52—70 ft·lbf}**

TECHNICAL DATA

SUSPENSION

Standard suspension

Item				Specification
Front wheel alignment (Unloaded)*1	Total toe-in	Tire [Tolerance ±4 mm {0.15 in}]	(mm {in})	2 {0.08}
		Rim inner	(mm {in})	1.2±2.5 {0.05±0.09}
			degree	0°11'±21′
	Steering angle [Tolerance ±3°]		Inner	38°41′
			Outer	33°15′
	Steering axis inclination (reference value)			10°52′
	Camber*2 [Tolerance ±1°]	Vehicle height: From the end of the front fender to the center of the wheel (mm {in})	367—376 {14.4—14.8}	-0°33′
			377—386 {14.9—15.1}	-0°13′
			387—396 {15.2—15.5}	0°04′
			397—406 {15.6—15.9}	0°20′
			407—416 {16.0—16.3}	0°33′
	Caster*2 [Tolerance ±1°]	Vehicle height: From the end of the rear fender to the center of the wheel (mm {in})	361—370 {14.2—14.5}	6°31′
			371—380 {14.6—14.9}	6°18′
			381—390 {15.0—15.3}	6°06′
			391—400 {15.4—15.7}	5°53′
			401—410 {15.8—16.1}	5°40′
Rear wheel alignment (Unloaded)*1	Total toe-in	Tire [Tolerance ±4 mm {0.15 in}]	(mm {in})	3 {0.12}
		Rim inner	(mm {in})	1.9±2.5 {0.075±0.098}
			degree	0°16′±20′
	Camber*2	Vehicle height: From the end of the rear fender to the center of the wheel	361—370 {14.2—14.5}	-1°30′

	[Tolerance ±1°]	(mm {in})	371—380 {14.6—14.9}	-1°12′
			381—390 {15.0—15.3}	-0°56′
			391—400 {15.4—15.7}	-0°43′
			401—410 {15.8—16.1}	-0°33′

*1

Engine coolant and engine oil are at specified level. Jack, and tools are in designated position. Adjust to the median when carrying out wheel alignment.

*2

Difference between left and right must not exceed **1°** .

Sport suspension

Item				Specification
Front wheel alignment (Unloaded)*1	Total toe-in	Tire [Tolerance ±4 mm {0.15 in}]	(mm {in})	2 {0.08}
		Rim inner	(mm {in})	1.4±2.8 {0.06±0.11}
			degree	0°11'±21′
	Steering angle [Tolerance ±3°]		Inner	38°36′
			Outer	33°07′
	Steering axis inclination (reference value)			11°02′
	Camber*2 [Tolerance ±1°]	Vehicle height: From the end of the front fender to the center of the wheel (mm {in})	361—370 {14.2—14.5}	-0°45′
			371—380 {14.6—14.9}	-0°25′
			381—390 {15.0—15.3}	-0°06′
			391—400 {15.4—15.7}	0°11′
			401—410 {15.8—16.1}	0°26′
	Caster*2 [Tolerance ±1°]	Vehicle height: From the end of the rear fender to the center of the wheel (mm {in})	354—363 {13.9—14.2}	6°41′
			364—373 {14.3—14.6}	6°28′
			374—383 {14.7—15.0}	6°16′
			384—393 {15.1—15.4}	6°03′
			394—403 {15.5—15.8}	5°50′

Rear wheel alignment (Unloaded)*1	Total toe-in	Tire [Tolerance ±4 mm {0.15 in}]	(mm {in})	3 {0.12}
		Rim inner	(mm {in})	2.1±2.8 {0.083±0.110}
			degree	0°16′±20′
	Camber*2 [Tolerance ±1°]	Vehicle height: From the end of the rear fender to the center of the wheel (mm {in})	354—363 {13.9—14.2}	-1°44′
			364—373 {14.3—14.6}	-1°24′
			374—383 {14.7—15.0}	-1°07′
			384—393 {15.1—15.4}	-0°52′
			394—403 {15.5—15.8}	-0°40′

*1 Engine coolant and engine oil are at specified level. Jack, and tools are in designated position. Adjust to the median when carrying out wheel alignment.

*2 Difference between left and right must not exceed **1°** .

Wheel and tires

Item			Specification	
Wheel	Size		16 x 7 1/2JJ	18 x 8JJ
	Offset	(mm {in})	50 {2.0}	
	Pitch circle diameter	(mm {in})	114.3 {4.50}	
	Material		Aluminum alloy	
Tire	Size		225/55R16 94V	225/45R18 91W
	Air pressure	(kPa {kgf/cm^2 , psi})	220 {2.2, 32}	
	Remaining tread	(mm {in})	1.6 {0.063} min.	
Wheel and tire	Lug nut tightening torque	(N·m {kgf·m, ft·lbf})	89—117 {9.0—12.0, 65.0—87.0}	
	Wheel and tire runout	Radial direction	1.5 {0.059} max.	
	(mm {in})	Lateral direction	2.0 {0.078} max.	
	Wheel imbalance	(g {oz})	Adhesive-type*1 : 13 {0.46} max. Knock-type*2 : 8 {0.28} max.	Adhesive-type*1 : 10 {0.35} max. Knock-type*2 : 6 {0.21} max.

*1 Total weight exceeds **160 g {5.65 oz}** .

*2 One balance weight: **60 g {2.12 oz}** max. If the total weight exceeds **100 g {3.53 oz}** on one side, rebalance after moving the tire around on the rim. Do not use three or more balance weights.