

Wheel Alignment

PRELIMINARY CHECK AND ADJUSTMENT

1. MAKE FOLLOWING CHECKS AND CORRECT ANY PROBLEMS

- (a) Check the tires for wear and for the proper inflation pressure.

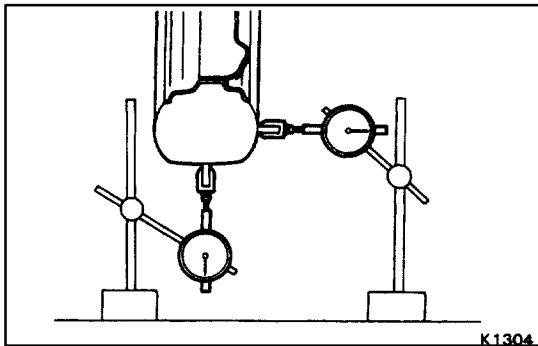
Cold tire inflation pressure: kg/cm² (psi, kPa)

Tire size	Front	Rear
205/65 R 15 94 V	2.1 (30, 206)	2.1 (30, 206)

- (b) Check the tire runout.

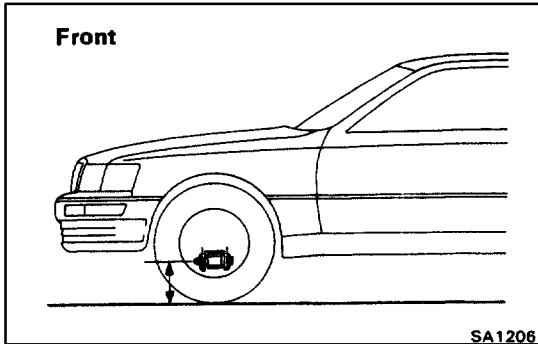
Tire runout: Less than 1.4 mm (0.055 in.)

- (c) Check the front wheel bearings for looseness.
 (d) Check the front suspension for looseness.
 (e) Check the steering linkage for looseness.
 (f) Check the ball joint for excessive looseness.
 (g) Check that the shock absorbers work properly by using the standard bounce test.



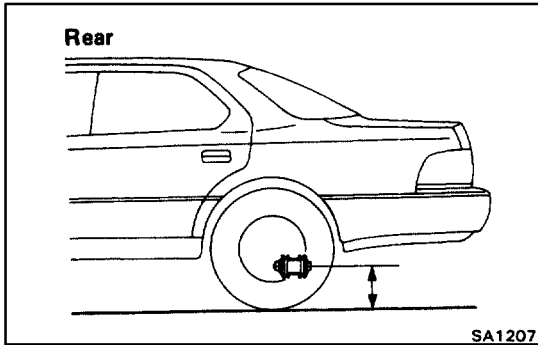
K1304

Front



SA1206

Rear



SA1207

2.-1 (w/o AIR SUSPENSION)

MEASURE VEHICLE HEIGHT

Vehicle height: mm (in.)

Front	Rear
236 (9.29)	237.5 (9.35)

HINT:

- Measuring points
 Front—Measure from the ground to the center of the lower suspension arm mounting bolt.
 Rear—Measure from the ground to the center of the No. 2 lower suspension arm mounting bolt.
- Before inspecting the wheel alignment, adjust the vehicle height to specification.

If the vehicle height is not standard, try to adjust it by pushing down on or lifting the body.

If it still is not correct, check for bad springs or suspension parts.

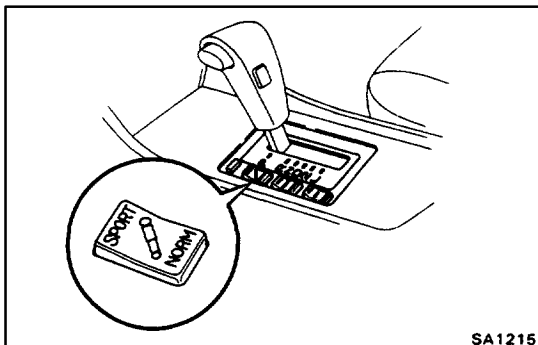
2.-2 (w/ AIR SUSPENSION)

MEASURE VEHICLE HEIGHT

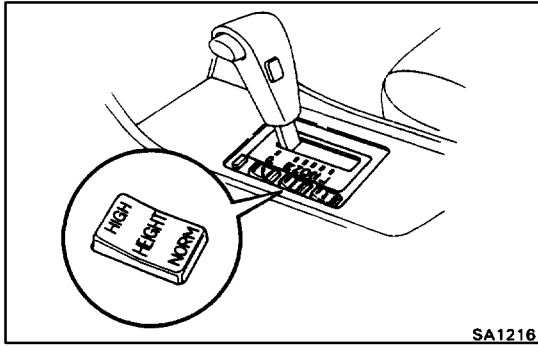
- (a) Turn the LRC switch to the NORM position.
 (b) Bounce the vehicle up and down several times to stabilize the suspension.
 (c) Move the vehicle forward and backward by pushing it to settle the tires.
 (d) Place the shift lever in the N range.
 (e) Release the parking brake.

NOTICE: Block the wheels to keep the vehicle from rolling.

- (f) Start the engine.

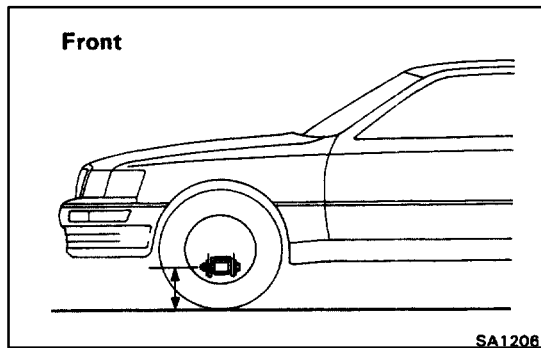


SA1215



- (g) Set the height control switch in the HIGH position, then after waiting one minute with the vehicle height in the raised condition, set the switch in the NORM position to lower the vehicle's height. Wait fifty seconds with it in this condition. Repeat this operation one more.

HINT: Be sure to perform this operation two times so that each suspension part settles down.



- (h) Measure the vehicle height.

Vehicle height:

Front 228 ± 10 mm (8.98 ± 0.39 in.)

Rear 210.5 ± 10 mm (8.29 ± 0.39 in.)

Left-right error 10 mm (0.39 in.) or less

Hf – Hr = 17.5 ± 15 mm (0.69 ± 0.59 in.)

Hf: Measured value of the front vehicle height

Hr: Measured value of the rear vehicle height

HINT:

- Measuring points
Front—Measure from the ground to the center of the lower suspension arm mounting bolt.
Rear—Measure from the ground to the center of the No. 2 lower suspension arm mounting bolt.
- Before inspecting the wheel alignment, adjust the vehicle height to specification.

If the vehicle height is not standard, adjust it by turning the height control sensor link.

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