

# TIRE AND WHEEL INSPECTION

SA0R2-07

## 1. INSPECT TIRE

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

**Cold tire inflation pressure:  
(GS 430)**

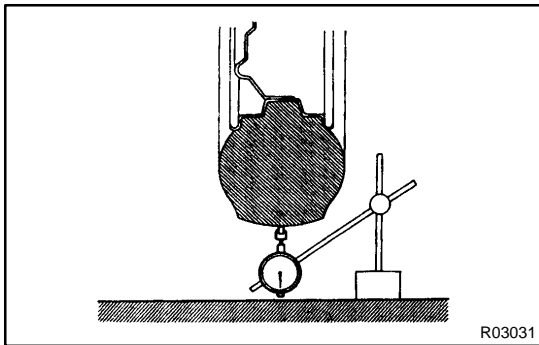
Tire size	Front kPa (kgf/cm <sup>2</sup> or bar, psi)	Rear kPa (kgf/cm <sup>2</sup> or bar, psi)
225/55R16 94V	* <sup>1</sup> 220 (2.2, 32) * <sup>2</sup> 290 (2.9, 42)	* <sup>1</sup> 220 (2.2, 32) * <sup>2</sup> 290 (2.9, 42)
235/45ZR17	* <sup>1</sup> 230 (2.3, 33) * <sup>2</sup> 300 (3.0, 44)	* <sup>1</sup> 230 (2.3, 33) * <sup>2</sup> 300 (3.0, 44)

**(GS 300)**

Tire size	Front kPa (kgf/cm <sup>2</sup> or bar, psi)	Rear kPa (kgf/cm <sup>2</sup> or bar, psi)
P215/60R16 94V	* <sup>1</sup> 210 (2.1, 30) * <sup>2</sup> 300 (3.0, 44)	* <sup>1</sup> 210 (2.1, 30) * <sup>2</sup> 300 (3.0, 44)
225/55R16 94V	* <sup>1</sup> 220 (2.2, 32) * <sup>2</sup> 300 (3.0, 44)	* <sup>1</sup> 220 (2.2, 32) * <sup>2</sup> 300 (3.0, 44)

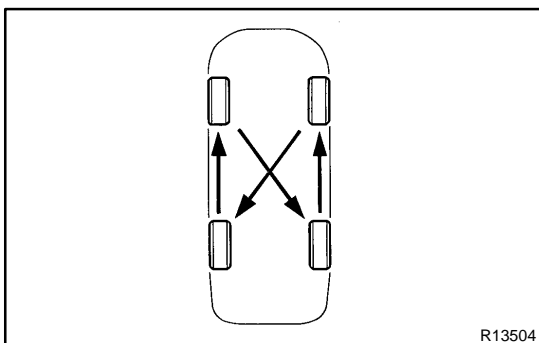
\*<sup>1</sup>: For driving under 160 km/h (100 mph)

\*<sup>2</sup>: For driving at 160 km/h (100 mph) or over



- (b) Check the tire runout.

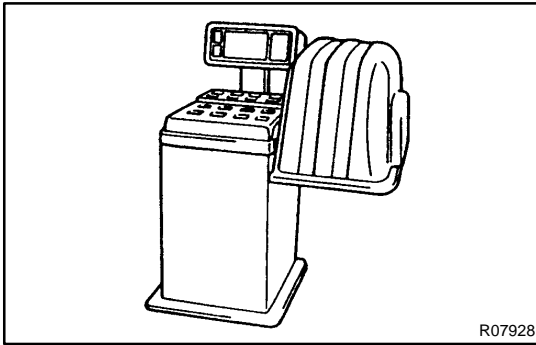
**Tire runout: 1.4 mm (0.055 in.) or less**



## 2. ROTATING TIRES

HINT:

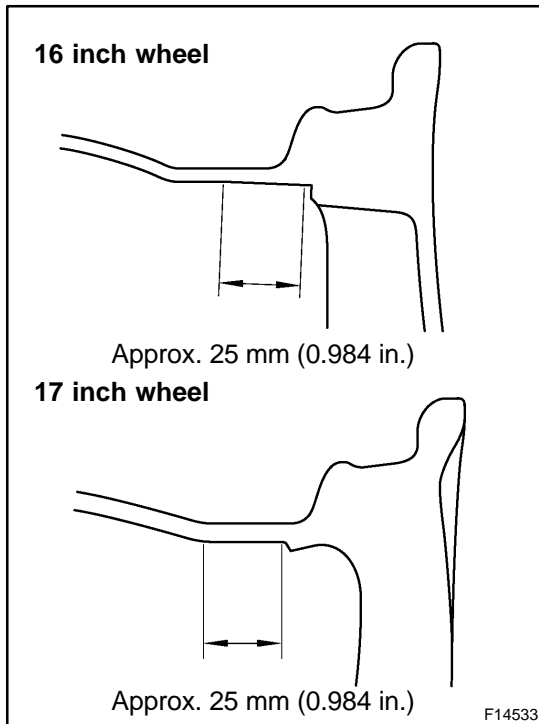
See the illustration for where to rotate each tire.



### 3. INSPECT WHEEL BALANCE

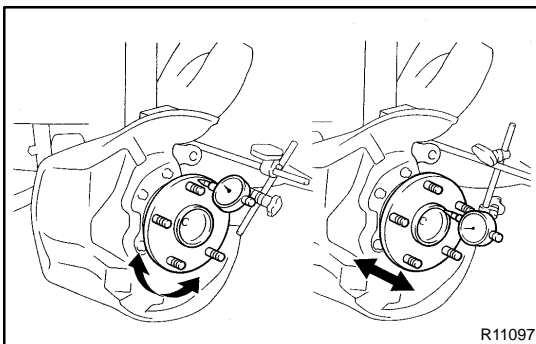
- (a) Check and adjust the off-the-car balance.
- (b) If necessary, check and adjust the on-the-car balance.

**Unbalance after adjustment: 8.0 g (0.018 lb) or less**



#### NOTICE:

- Adhere the sticking type balance weight to the flat position shown in the illustration.
- Push the balance weight securely with a finger to adhere it to the position.  
(Pushing force: 10 kgf/more than 2 secs.)
- After cleaning the surface which the balance weight will be adhered to of dirt, oil and water with a cleaning detergent, adhere the balance weight to the surface.
- Do not touch the sticking surface of the tape.
- Do not use the once used balance weight.
- Please use the TOYOTA genuine sticking type balance weight.



### 4. CHECK WHEEL BEARING LOOSENESS

- (a) Check the backlash in the bearing shaft direction.  
**Maximum: 0.05 mm (0.0020 in.)**

- (b) Check the axle hub deviation.  
**Maximum: 0.05 mm (0.0020 in.)**

### 5. CHECK FRONT SUSPENSION FOR LOOSENESS

### 6. CHECK STEERING LINKAGE FOR LOOSENESS

### 7. CHECK BALL JOINT FOR LOOSENESS AND EXCESSIVE PLAY (See page SA-34)

### 8. CHECK SHOCK ABSORBER WORKS PROPERLY

- Check for oil leak
- Check mounting bushings for wear
- Bounce front and rear of the vehicle