

# TIRE AND WHEEL INSPECTION

SAOR2-03

## 1. INSPECT TIRE

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

**Cold tire inflation pressure:**

**Europe:**

**Up to 4 passengers:**

Tire size	Front kPa (kgf/cm <sup>2</sup> , psi)	Rear kPa (kgf/cm <sup>2</sup> , psi)
215/45ZR17	250 (2.5, 36)* <sup>1</sup>	260 (2.6, 38)* <sup>1</sup>
	240 (2.4, 35)* <sup>2</sup>	240 (2.4, 35)* <sup>2</sup>
	230 (2.3, 33)* <sup>3</sup>	230 (2.3, 33)* <sup>3</sup>
205/55R16 89V	230 (2.3, 33)* <sup>1</sup>	240 (2.4, 35)* <sup>1</sup>
	230 (2.3, 33)* <sup>2</sup>	230 (2.3, 33)* <sup>2</sup>
	230 (2.3, 33)* <sup>3</sup>	230 (2.3, 33)* <sup>3</sup>

**5 passengers:**

Tire size	Front kPa (kgf/cm <sup>2</sup> , psi)	Rear kPa (kgf/cm <sup>2</sup> , psi)
215/45ZR17	260 (2.6, 38)* <sup>1</sup>	340 (3.4, 49)* <sup>1</sup>
	250 (2.5, 36)* <sup>2</sup>	280 (2.8, 41)* <sup>2</sup>
	230 (2.3, 33)* <sup>3</sup>	240 (2.4, 35)* <sup>3</sup>
205/55R16 89V	240 (2.4, 35)* <sup>1</sup>	310 (3.1, 45)* <sup>1</sup>
	240 (2.4, 35)* <sup>2</sup>	270 (2.7, 39)* <sup>2</sup>
	230 (2.3, 33)* <sup>3</sup>	230 (2.3, 33)* <sup>3</sup>

\*<sup>1</sup>: For driving at 210 km/h (131 mph) or over

\*<sup>2</sup>: For driving at 160 km/h (100 mph) to 210 km/h (131 mph)

\*<sup>3</sup>: For driving under 160 km/h (100 mph)

**Others:**

**Up to 4 passengers:**

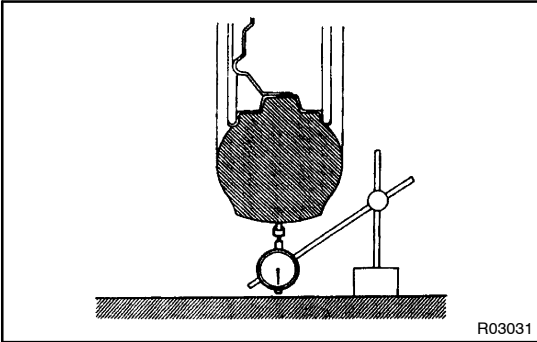
Tire size	Front kPa (kgf/cm <sup>2</sup> , psi)	Rear kPa (kgf/cm <sup>2</sup> , psi)
215/45ZR17	280 (2.8, 41)* <sup>4</sup>	280 (2.8, 41)* <sup>4</sup>
	230 (2.3, 33)* <sup>5</sup>	230 (2.3, 33)* <sup>5</sup>
205/55R16 89V	270 (2.7, 39)* <sup>4</sup>	270 (2.7, 39)* <sup>4</sup>
	220 (2.2, 32)* <sup>5</sup>	220 (2.2, 32)* <sup>5</sup>

**5 passengers:**

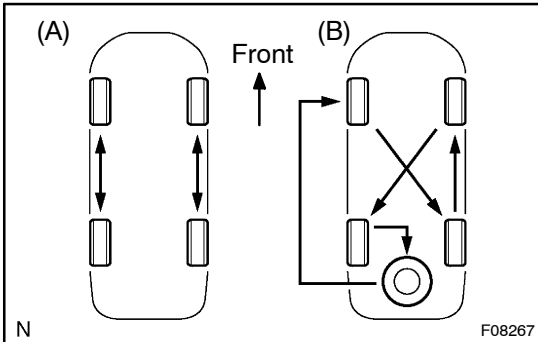
Tire size	Front kPa (kgf/cm <sup>2</sup> , psi)	Rear kPa (kgf/cm <sup>2</sup> , psi)
215/45ZR17	290 (2.9, 42)* <sup>4</sup>	320 (3.2, 46)* <sup>4</sup>
	230 (2.3, 33)* <sup>5</sup>	240 (2.4, 35)* <sup>5</sup>
205/55R16 89V	280 (2.8, 41)* <sup>4</sup>	310 (3.1, 45)* <sup>4</sup>
	220 (2.2, 32)* <sup>5</sup>	220 (2.2, 32)* <sup>5</sup>

\*<sup>4</sup>: For driving at 140 km/h (88 mph) or over

\*<sup>5</sup>: For driving under 140 km/h (88 mph)



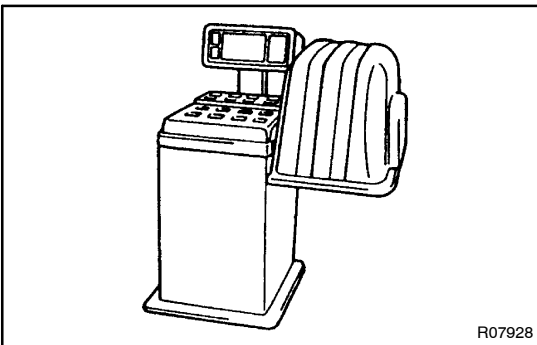
- (b) Check the tire runout.  
**Tire runout: 1.4 mm (0.055 in.) or less**



## 2. ROTATING TIRES

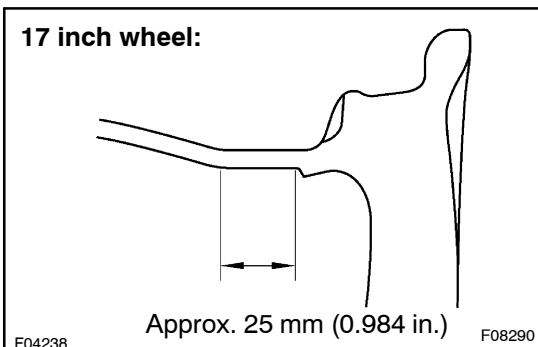
### HINT:

Rotate tires as shown in the illustration as rotation way differs according to whether the tire turning direction is specified (A) or (B).



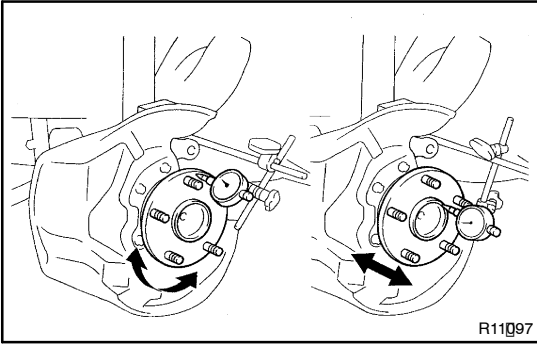
## 3. INSPECT WHEEL BALANCE

- (a) Check and adjust the off-the-car balance.  
 (b) If necessary, check and adjust the on-the-car balance.  
**Imbalance after adjustment: 8.0 g (0.018 lb) or less**



### NOTICE:

- Adhere the sticking type balance weight to the flat position as 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.



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#### 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-36)

#### 8. CHECK SHOCK ABSORBER WORKS PROPERLY

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