

# WHEEL AND TIRE SYSTEM INSPECTION

2803P-02

## 1. INSPECT TIRE

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

### Cold tire inflation pressure

#### Europe [More than 210 km/h (130 mph)]:

Tire size	Front kPa (kgf/cm <sup>2</sup> , psi)	Rear kPa (kgf/cm <sup>2</sup> , psi)
245/45R18 96W	280 (2.9, 41)	310 (3.2, 45) *1 330 (3.4, 48) *2

#### Europe [210 km/h (130 mph) or less]:

Tire size	Front kPa (kgf/cm <sup>2</sup> , psi)	Rear kPa (kgf/cm <sup>2</sup> , psi)
245/45R18 96W	230 (2.3, 33)	230 (2.3, 33) *1 270 (2.8, 39) *2

#### Australia [More than 180 km/h (112 mph)]:

Tire size	Front kPa (kgf/cm <sup>2</sup> , psi)	Rear kPa (kgf/cm <sup>2</sup> , psi)
225/55R17 97W	270 (2.8, 39)	290 (3.0, 42) *1 330 (3.4, 48) *2
245/45R18 96W	280 (2.9, 41)	310 (3.2, 45) *1 330 (3.4, 48) *2

#### Australia [180 km/h (112 mph) or less]:

Tire size	Front kPa (kgf/cm <sup>2</sup> , psi)	Rear kPa (kgf/cm <sup>2</sup> , psi)
225/55R17 97W	240 (2.4, 35)	240 (2.4, 35) *1 250 (2.5, 36) *2
245/45R18 96W	230 (2.3, 33)	230 (2.3, 33) *1 260 (2.7, 38) *2

#### Middle East [More than 210 km/h (130 mph)]:

Tire size	Front kPa (kgf/cm <sup>2</sup> , psi)	Rear kPa (kgf/cm <sup>2</sup> , psi)
225/55R17 97W	260 (2.7, 38)	290 (3.0, 42) *1 330 (3.4, 48) *2
245/45R18 96W	280 (2.9, 41)	310 (3.2, 45) *1 330 (3.4, 48) *2

#### Middle East [210 km/h (130 mph) or less]:

Tire size	Front kPa (kgf/cm <sup>2</sup> , psi)	Rear kPa (kgf/cm <sup>2</sup> , psi)
225/55R17 97W	240 (2.4, 35)	240 (2.4, 35) *1 260 (2.7, 38) *2
245/45R18 96W	230 (2.3, 33)	230 (2.3, 33) *1 270 (2.8, 39) *2

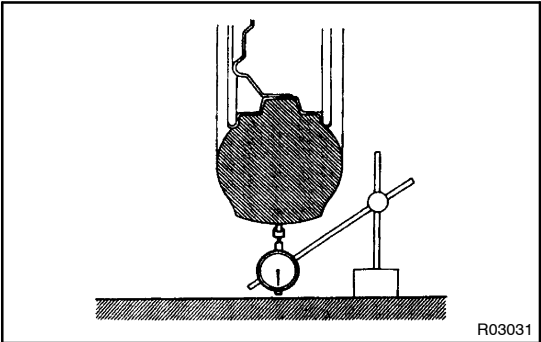
#### General\*3 [More than 230 km/h (145 mph)]:

Tire size	Front kPa (kgf/cm <sup>2</sup> , psi)	Rear kPa (kgf/cm <sup>2</sup> , psi)
225/55R17 97W	260 (2.7, 38)	290 (3.0, 42) *1 330 (3.4, 48) *2

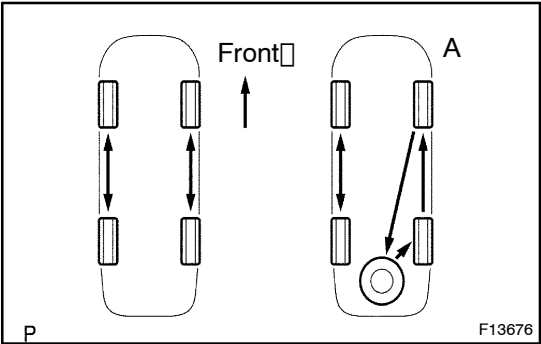
General\*3[230[km/h[145[mph) or less]:

Tire size	Front kPa[(kgf/cm <sup>2</sup> )(psi)	Rear kPa[(kgf/cm <sup>2</sup> )(psi)
225/55R17[97W	240[(2.4)(35)	240[(2.4)(35)]*1 280[(2.9)(41)]*2

- \*1: Up to 4 passengers  
\*2: 5 passengers  
\*3: Except Europe, Australia and Middle East  
Europe and General only:  
When towing, increase the pressure 20 kPa (0.2 kgf/cm<sup>2</sup> (3 psi)).



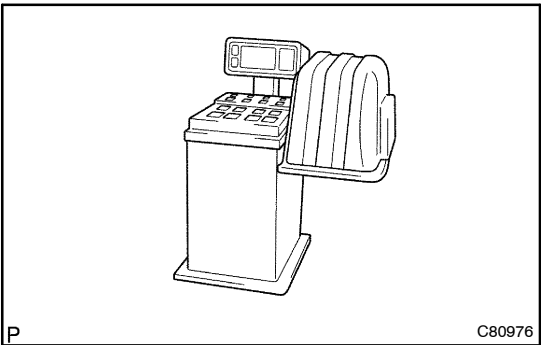
- (b) Using a dial indicator, check the tire runout.  
**Tire runout: 1.4 mm (0.055 in.) or less**



2. ROTATE TIRE

HINT:

- Rotate tires as shown in the illustration.
- Rotate as shown in (A) if the spare tire is included in the rotation.



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: 5.0 g (0.011 lb) or less**

4. INSPECT BEARING BACKLASH (SEE PAGE 30-2)  
5. INSPECT AXLE HUB LOOSENESS (SEE PAGE 30-2)