

# TIRE AND WHEEL INSPECTION

SAQIM-03

## 1. INSPECT TIRE

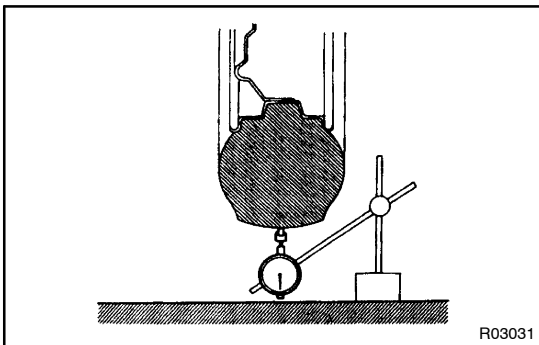
(a) Check the tires for wear and proper inflation pressure.

**Cold tire inflation pressure (Tire size: 225/60R16 97W):  
Standard inflation for all loads including rated loads**

Vehicle speed	Front kPa (kgf/cm <sup>2</sup> , psi)	Rear kPa (kgf/cm <sup>2</sup> , psi)
Under 160 km/h (100 mph)	240 (2.4, 35)	270 (2.7, 39)
160 km/h (100 mph) to 230 km/h (140 mph)	260 (2.6, 38)	300 (3.0, 44)
230 km/h (140 mph) or over	300 (3.0, 44)	340 (3.4, 49)

**Optional inflation for reduced loads (1 to 4 passengers)**

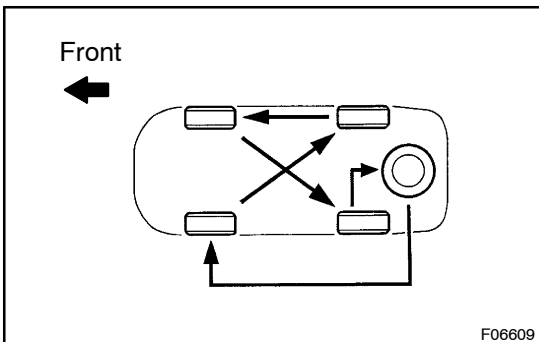
Vehicle speed	Front kPa (kgf/cm <sup>2</sup> , psi)	Rear kPa (kgf/cm <sup>2</sup> , psi)
Under 160 km/h (100 mph)	240 (2.4, 35)	240 (2.4, 35)
160 km/h (100 mph) to 230 km/h (140 mph)	260 (2.6, 38)	260 (2.6, 38)
230 km/h (140 mph) or over	290 (2.9, 42)	290 (2.9, 42)



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(b) Check the tire runout.

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

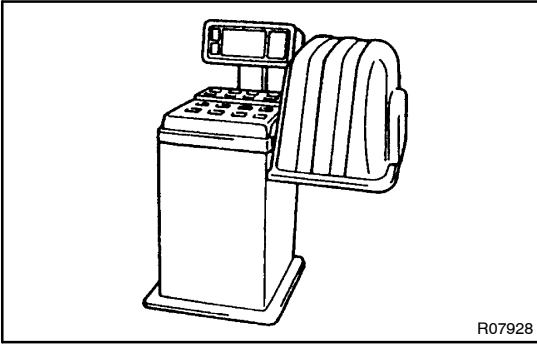


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## 2. ROTATING TIRES

HINT:

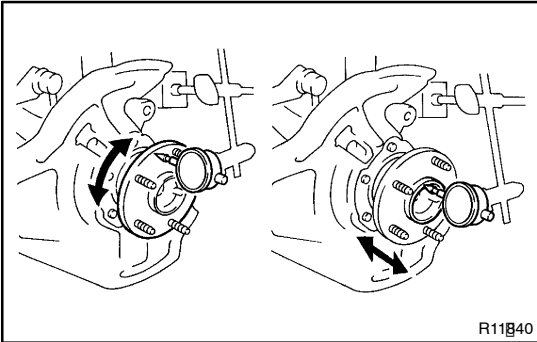
See the illustration for where to rotate each tire.



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### 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: 5.0g (0.011lb) or less**



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### 4. CHECK WHEEL BEARING LOOSENESS

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

### 5. CHECK FRONT SUSPENSION FOR LOOSENESS

### 6. CHECK STEERING LINKAGE FOR LOOSENESS

### 7. CHECK BALL JOINT FOR LOOSENESS AND EXCESSIVE PLAY (See page SA-40)

### 8. CHECK SHOCK ABSORBER WORKS PROPERLY

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