

TIRE AND WHEEL INSPECTION

1. INSPECT TIRE

(a) GS430:

Check the tires for wear and for the proper inflation pressure.

Cold tire inflation pressure

(Tire size: 235/45ZR17)

Vehicle speed	Front kPa (kgf/cm ² , psi)	Rear kPa (kgf/cm ² , psi)
Less than 160 km/h (100 mph)	*1230 (2.3, 33) *2230 (2.3, 33)	*1230 (2.3, 33) *2240 (2.4, 35)
160 – 230 km/h (100 – 143 mph)	*1240 (2.4, 35) *2250 (2.6, 36)	*1240 (2.4, 35) *2280 (2.9, 41)
More than 230 km/h (143 mph)	*1260 (2.7, 38) *2280 (2.9, 41)	*1260 (2.7, 38) *2340 (3.5, 49)

(b) GS300:

Check the tires for wear and for the proper inflation pressure.

Cold tire inflation pressure

Europe and G.C.C. countries

(Tire size: 225/55R16 94V)

Vehicle speed	Front kPa (kgf/cm ² , psi)	Rear kPa (kgf/cm ² , psi)
Less than 160 km/h (100 mph)	*1220 (2.2, 32) *2240 (2.4, 35)	*1220 (2.2, 32) *2250 (2.6, 36)
160 – 210 km/h (100 – 131 mph)	*1230 (2.3, 33) *2240 (2.4, 35)	*1230 (2.3, 33) *2280 (2.9, 41)
More than 210 km/h (131 mph)	*1240 (2.4, 35) *2260 (2.7, 38)	*1250 (2.6, 36) *2340 (3.5, 49)

Europe (Tire size: 235/45ZR17)

Vehicle speed	Front kPa (kgf/cm ² , psi)	Rear kPa (kgf/cm ² , psi)
Less than 160 km/h (100 mph)	*1230 (2.3, 33) *2230 (2.3, 33)	*1230 (2.3, 33) *2240 (2.4, 35)
160 – 210 km/h (100 – 131 mph)	*1240 (2.4, 35) *2250 (2.6, 36)	*1240 (2.4, 35) *2280 (2.9, 41)
More than 210 km/h (131 mph)	*1260 (2.7, 38) *2280 (2.9, 41)	*1260 (2.7, 38) *2340 (3.5, 49)

Australia (Tire size: 225/55R16 94V)

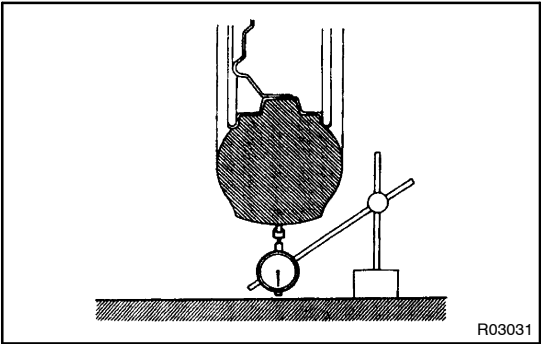
Vehicle speed	Front kPa (kgf/cm ² , psi)	Rear kPa (kgf/cm ² , psi)
Less than 140 km/h (87 mph)	*1220 (2.2, 32) *2240 (2.4, 35)	*1220 (2.2, 32) *2270 (2.8, 39)
More than 140 km/h (87 mph)	*1240 (2.4, 35) *2300 (3.1, 44)	*1250 (2.6, 36) *2340 (3.4, 49)

Australia (Tire size: 235/45ZR17)

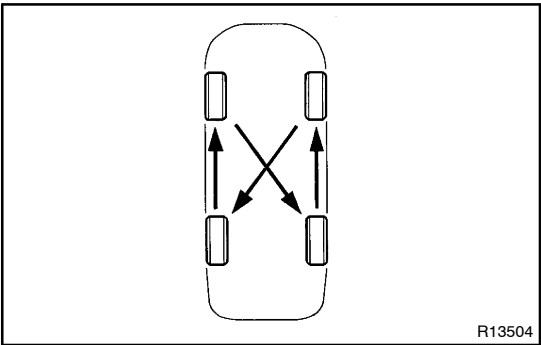
Vehicle speed	Front kPa (kgf/cm ² , psi)	Rear kPa (kgf/cm ² , psi)
Less than 140 km/h (87 mph)	* ¹ 230 (2.3, 33) * ² 230 (2.3, 33)	* ¹ 230 (2.3, 33) * ² 270 (2.8, 39)
More than 140 km/h (87 mph)	* ¹ 260 (2.7, 38) * ² 280 (2.9, 41)	* ¹ 260 (2.7, 38) * ² 340 (3.5, 49)

*1: Up to 4 passengers

*2: More than 4 passengers

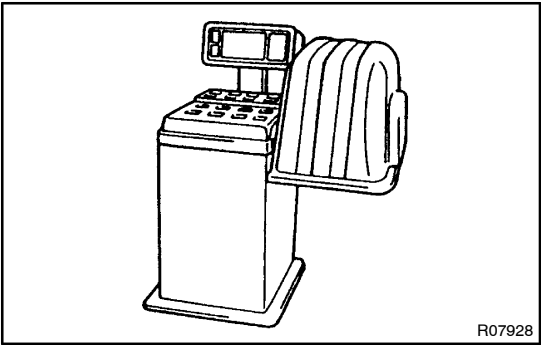


- (c) Check the tire runout.
Tire runout: 1.4 mm (0.055 in.) or less



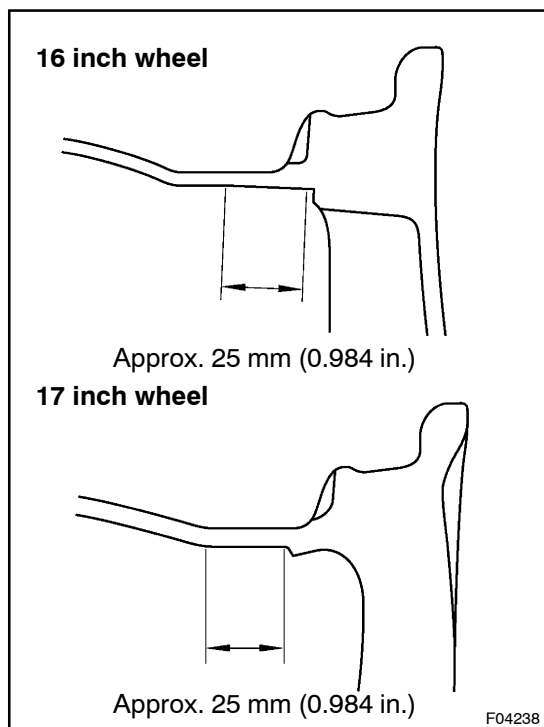
2. ROTATING TIRES

HINT:
See the illustration for where to rotate each tire.

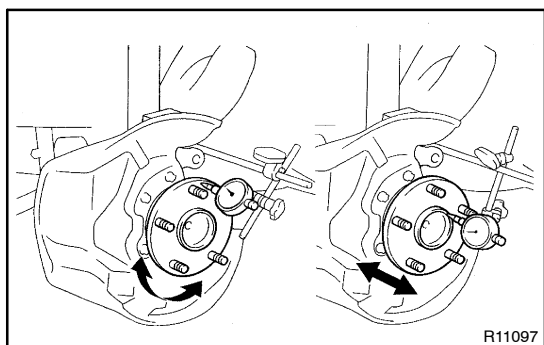


3. INSPECT WHEEL BALANCE

- (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 Pub. No. RM588E on 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