

TIRE AND WHEEL INSPECTION

SA289-01

1. INSPECT TIRE

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

Cold tire inflation pressure (SEDAN):

Europe:

Up to 4 passengers:

Tire size	Front kPa (kgf/cm ² , psi)	Rear kPa (kgf/cm ² , psi)
215/45ZR17	280 (2.8, 41)* ¹	310 (3.1, 45)* ¹
	260 (2.6, 38)* ²	270 (2.7, 39)* ²
	230 (2.3, 33)* ³	230 (2.3, 33)* ³
205/55R16 89V	260 (2.6, 38)* ¹	290 (2.9, 42)* ¹
	250 (2.5, 36)* ²	250 (2.5, 36)* ²
	230 (2.3, 33)* ³	230 (2.3, 33)* ³

5 passengers:

Tire size	Front kPa (kgf/cm ² , psi)	Rear kPa (kgf/cm ² , psi)
215/45ZR17	330 (3.3, 48)* ¹	350 (3.5, 51)* ¹
	300 (3.0, 44)* ²	300 (3.0, 44)* ²
	250 (2.5, 36)* ³	250 (2.5, 36)* ³
205/55R16 89V	310 (3.1, 45)* ¹	330 (3.3, 48)* ¹
	280 (2.8, 41)* ²	280 (2.8, 41)* ²
	230 (2.3, 33)* ³	230 (2.3, 33)* ³

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

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

*³: For driving under 160 km/h (100 mph)

Others:

Up to 4 passengers:

Tire size	Front kPa (kgf/cm ² , psi)	Rear kPa (kgf/cm ² , psi)
215/45ZR17	280 (2.8, 41)* ⁴	310 (3.1, 45)* ⁴
	230 (2.3, 33)* ⁵	230 (2.3, 33)* ⁵
205/55R16 89V	270 (2.7, 39)* ⁴	290 (2.9, 42)* ⁴
	220 (2.2, 32)* ⁵	220 (2.2, 32)* ⁵

5 passengers:

Tire size	Front kPa (kgf/cm ² , psi)	Rear kPa (kgf/cm ² , psi)
215/45ZR17	330 (3.3, 48)* ⁴	350 (3.5, 51)* ⁴
	250 (2.5, 36)* ⁵	250 (2.5, 36)* ⁵
205/55R16 89V	310 (3.1, 45)* ⁴	330 (3.3, 48)* ⁴
	230 (2.3, 33)* ⁵	230 (2.3, 33)* ⁵

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

*⁵: For driving under 140 km/h (88 mph)

Cold tire inflation pressure (WAGON):**Up to 4 passengers:**

Tire size	Front kPa (kgf/cm ² , psi)	Rear kPa (kgf/cm ² , psi)
215/45ZR17	280 (2.8, 41) *1 260 (2.6, 38) *2 230 (2.3, 33) *3	-
225/45ZR17	-	290 (2.9, 42) *1 270 (2.7, 39) *2 240 (2.4, 35) *3
205/55R16 89V	260 (2.6, 38) *1 250 (2.5, 36) *2 230 (2.3, 33) *3	310 (3.1, 45) *1 260 (2.6, 38) *2 230 (2.3, 33) *3

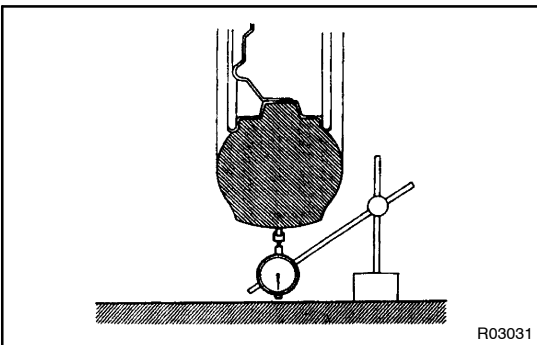
5 passengers:

Tire size	Front kPa (kgf/cm ² , psi)	Rear kPa (kgf/cm ² , psi)
215/45ZR17	330 (3.3, 48) *1 300 (3.0, 44) *2 250 (2.5, 36) *3	-
225/45ZR17	-	340 (3.4, 49) *1 310 (3.1, 45) *2 260 (2.6, 38) *3
205/55R16 89V	310 (3.1, 45) *1 280 (2.8, 41) *2 230 (2.3, 33) *3	330 (3.3, 48) *1 290 (2.9, 42) *2 240 (2.4, 35) *3

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

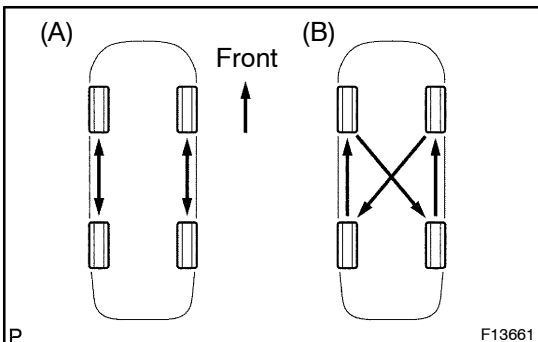
*2: For driving at 160 km/h (100 mph) to 210 km/h (131 mph)

*3: For driving under 160 km/h (100 mph)



(b) Check the tire runout.

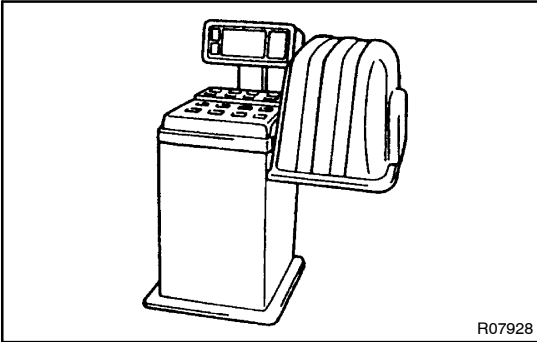
Tire runout: 1.4 mm (0.055 in.) or less

**2. ROTATING TIRES****NOTICE:**

Tires must not be rotated for wagon due to the difference in size between the front and rear tires.

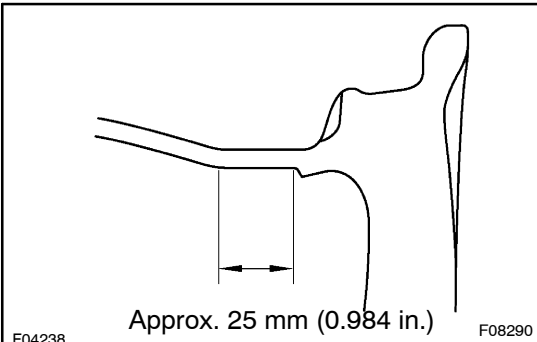
HINT:

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



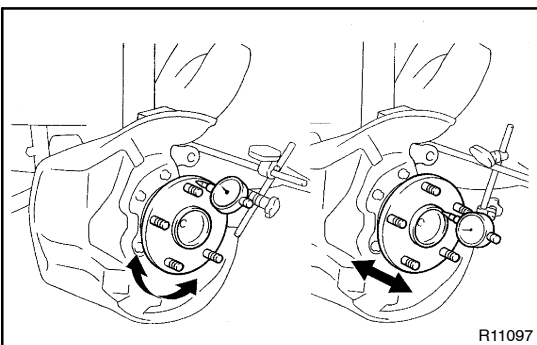
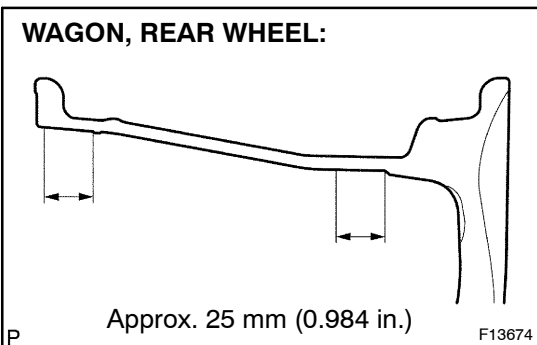
3. INSPECT WHEEL BALANCE

- (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 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. RM684E on page SA-36)

8. CHECK SHOCK ABSORBER WORKS PROPERLY

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