

TIRE AND WHEEL SYSTEM

PRECAUTION

1. REMOVAL AND INSTALLATION OF TIRE PRESSURE WARNING VALVE AND TRANSMITTER

- (a) When installing a tire, make sure that the tire pressure warning valve and transmitter does not interfere with the tire bead in order to prevent damage to the sensor.
- (b) After completing the operation, remove the valve core to rapidly release air and check that the warning light comes on. If not, the system may have a defect.
- (c) If there is air leakage, tighten the nut to 4.0 N*m (41 kgf*cm, 35 in.*lbf) and push the valve core 2 or 3 times to remove any dirt attached to the valve core. If there is still air leakage, replace the grommet, the washer and the nut all together.
- (d) When installing the tire pressure warning valve and transmitter, check whether the rim, grommet, washer and nut are clean. Use a manufacturer-specified cap.
- (e) When putting air into the tire, first install the tire pressure valve straight onto the stem of the tire pressure warning valve and transmitter.

2. TIRE AND WHEEL REPLACEMENT OR TIRE ROTATION

- (a) When replacing the tires, be sure to check if the grommet of the tire valve is damaged. If so, replace the grommet together with the washer and nut.
- (b) When the tires and wheels are replaced, make sure to register the transmitter ID.

NOTICE:

Transmitter IDs of all tires including spare on vehicle should be correspond to IDs registered in ECU.

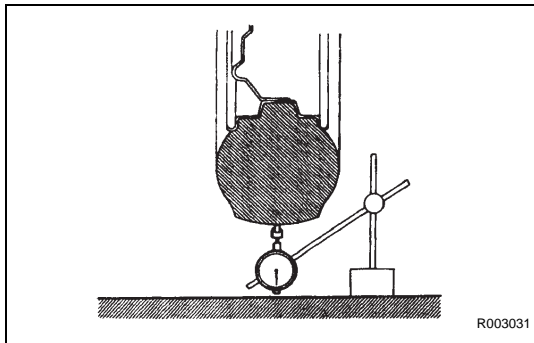
INSPECTION

1. INSPECT TIRES

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

Cold tire inflation pressure

Tire Size	Front Wheel kPa (kgf/cm ² , psi)	Rear Wheel kPa (kgf/cm ² , psi)	Spare Wheel kPa (kgf/cm ² , psi)
P215/70R15 97S	200 (2.0, 29)	220 (2.2, 32)	220 (2.2, 32)
P255/45R18 99V	240 (2.4, 35)	240 (2.4, 35)	240 (2.4, 35)
P245/75R16 109S	200 (2.0, 29)	200 (2.0, 29)	200 (2.0, 29)
P265/70R16 111T	200 (2.0, 29)	220 (2.2, 32)	220 (2.2, 32)
P265/65R17 110S	200 (2.0, 29)	200 (2.0, 29)	200 (2.0, 29)



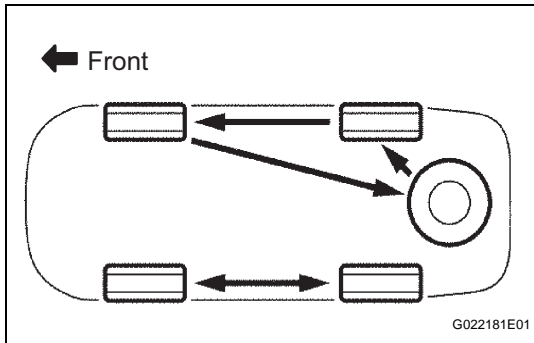
- (b) Using a dial indicator, check the tire runout.

Tire runout:
3.0 mm (0.118 in.) or less

2. ROTATE TIRES

HINT:

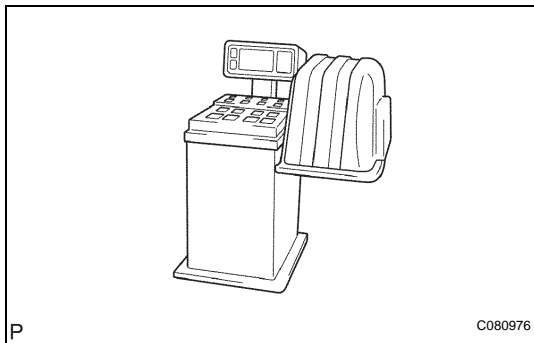
See the illustration on the left for how to rotate the tires, when you include the spare tire in the rotation.



3. INSPECT WHEEL BALANCE

- (a) Perform off-car balancing.
- (b) If necessary, perform on-car balancing.

Imbalance after adjustment:
8 g (0.018 lb) or less



4. INSPECT FRONT AXLE HUB BEARING (See page AH-1)

5. INSPECT REAR AXLE HUB BEARING (See page AH-2)

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