



WHEELS AND TIRES

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SPECIFICATIONS

GENERAL SPECIFICATIONS

	Vehicles without an intercooler	Vehicles with an intercooler	
Wheel (except spare wheel)		Front	Rear
Tire size	215/60R15-90H	205/55VR16	225/50VR16
Wheel type	Aluminum type	Aluminum type	Aluminum type
Wheel size	6 1/2-JJ×15	7-JJ×16	8-JJ×16
Amount of wheel offset mm (in.)	18 (.7)	18 (.7)	-10 (-.4)
Compact spare wheel			
Tire size		T125/70D15	
Wheel type		Steel	
Wheel size		4-T×15	
Amount of wheel offset mm (in.)		40 (1.57)	
Tire inflation pressure kPa (psi)			
Four original tires		190 (27)	
Compact spare tire		420 (60)	


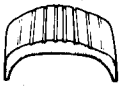
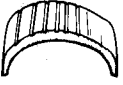



SERVICE SPECIFICATIONS

Limit	
Wheel runout mm (in.)	3 (.12)
Tread depth of tire mm (in.)	1.6 (.06)

TORQUE SPECIFICATIONS

	Nm (ft.lbs.)
Wheel nuts	90-110 (65-80)



Symptom	Probable cause	Remedy
Unevenly worn tires Center of tread worn 	Over-inflation	Adjust the tire pressure
Both sides of tread worn 	Under-inflation	Adjust the tire pressure
Inside of tread worn 	Insufficient toe-in Insufficient camber	Adjust
Outside of tread worn 	Excessive toe-in Excessive camber	Adjust
Feathering 	Excessive toe-in	Adjust
Cupping 	Unbalanced wheels	Adjust
	Loose wheel bearings	Inspect for looseness and adjust the preload
	Loose ball joints	Inspect, and repair as necessary
	Malfunction of shock absorbers	Inspect, and repair as necessary
Road noise, body vibration	Over-inflation or under-inflation	Adjust the tire pressure
	Unbalanced wheels	Adjust
	Wheel runout	Replace the wheel(s)
	Abnormally worn tires	Replace the tires
	Unbalanced propeller shaft	Adjust or replace

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SERVICE ADJUSTMENT PROCEDURES

CHECKING OF TIRE WEAR

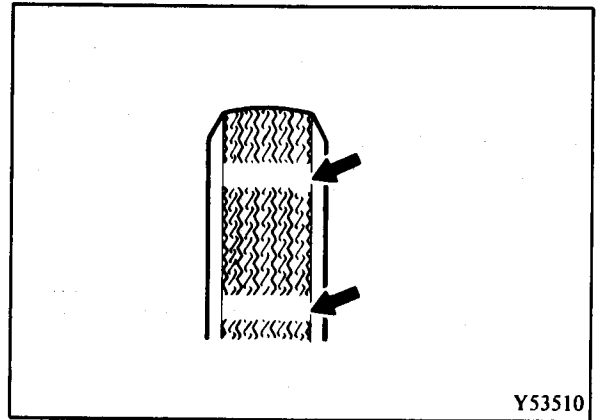
Measure the tread depth of tires.

If the remaining tread depth is less than the limit, replace the tire.

Tread depth [Limit] 1.6 mm (.06 in.)

NOTE

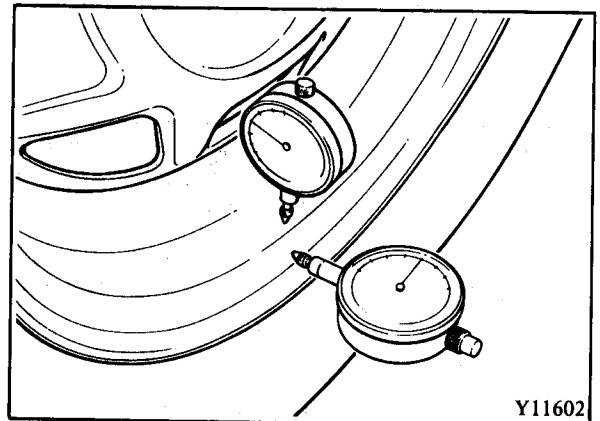
When the tread depth of tires is reduced to 1.6 mm (.06 in.) or less, wear indicators will appear.



CHECKING OF WHEEL RUNOUT

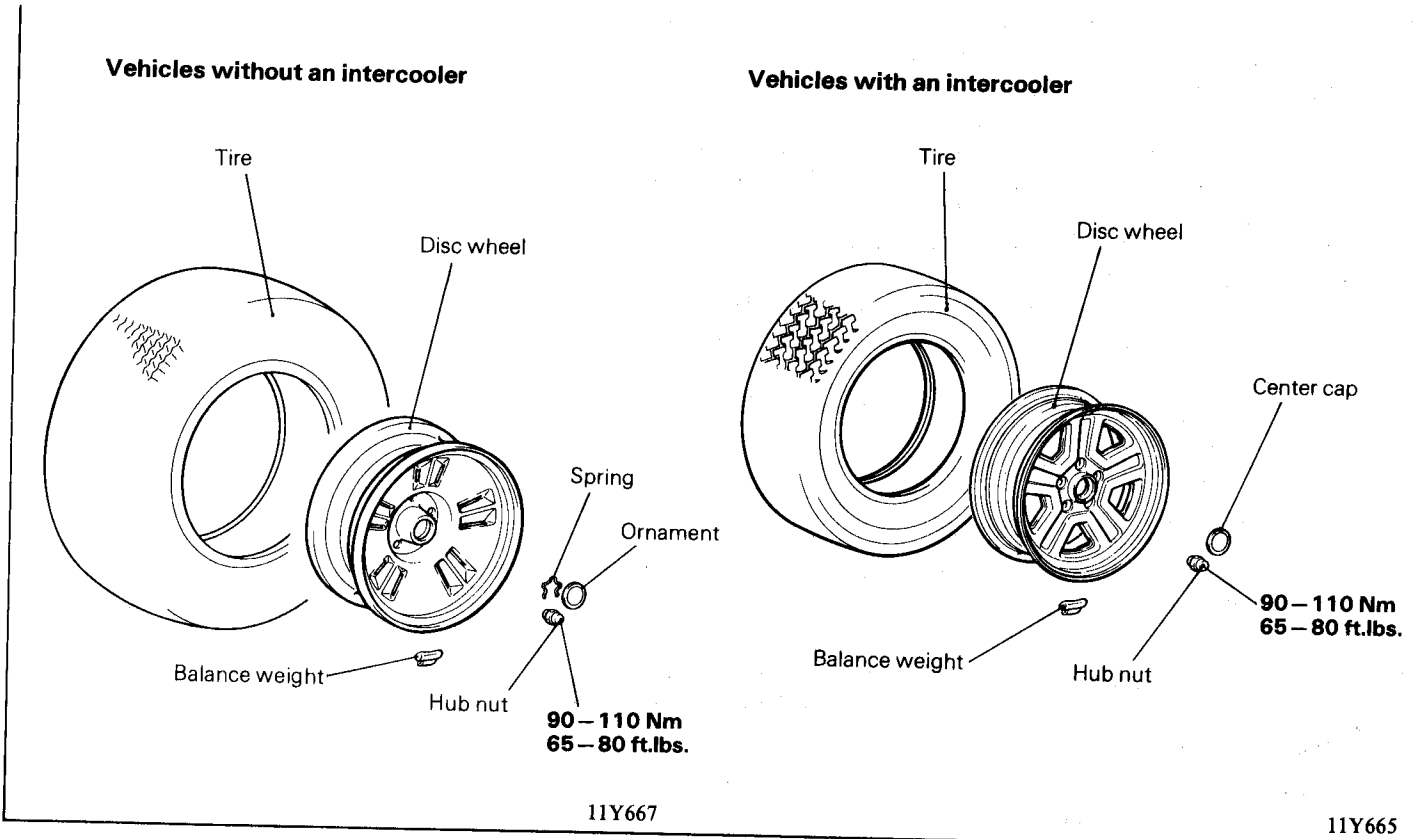
1. Jack up the vehicle and support with floor stands.
2. Measure wheel runout with a dial indicator.
If runout exceeds the limit, replace the wheel.

Wheel runout [Limit] 3 mm (.12 in.)





COMPONENTS



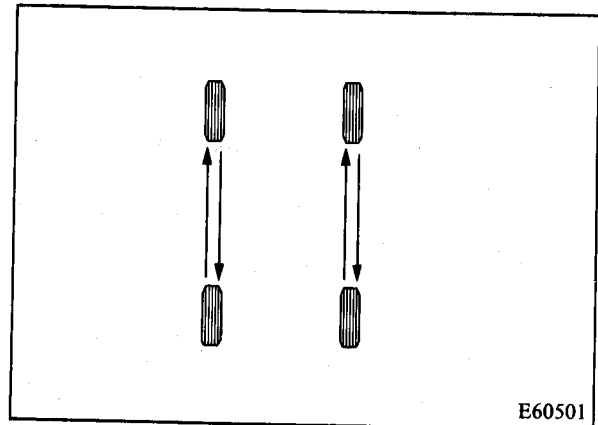
TIRE ROTATION

1. Rotate the tires in the pattern illustrated. (E60501)

Cautions

1. Do not use the compact spare wheel in tire rotation.
 2. Do not rotate the tires on vehicles with an intercooler because their front and rear wheels/tires are different in size from each other.
2. Finger-tighten wheel nuts then use a torque wrench to tighten the wheel nuts to specification.

Wheel nuts tightening torque
90 – 110 Nm (65 – 80 ft.lbs.)



NOTE

Do not use an impact wrench or apply oil to the wheel studs.



INSTRUCTIONS FOR ALUMINUM TYPE WHEELS

1. Aluminum is vulnerable to alkalis. If a vehicle washing detergent has been used, or salt from sea water or road chemicals has adhered, wash the vehicle as soon as possible. After washing the vehicle, apply body or wheel wax to the aluminum type wheels to prevent corrosion.
2. When cleaning the vehicle with steam, do not direct steam onto the aluminum type wheels.
When tightening nuts for aluminum type wheels, particularly observe the following:
 - (1) Clean the hub surface of aluminum type wheels.
 - (2) After finger-tightening wheel nuts, tighten them to specifications.
 - (3) Do not use an impact wrench or push the wrench by foot to tighten the wheel nuts.
 - (4) Do not apply oil to the threaded portions.

TIRE CHAINS AND SNOW TIRES

1. Use tire chains only on rear wheels. Do not use tire chains on front wheels.

Caution

Do not install the tire chains on vehicles with an intercooler. If installed, the chains will interfere with the fenders and give damages to them.

2. When using snow tires, use them on all four wheels for maneuverability and safety.

INSTRUCTIONS FOR COMPACT SPARE TIRE

1. The compact spare tire is designed to save space in the luggage compartment, and its lighter weight makes it easier to use if a flat tire occurs.
2. The following instructions for the compact spare tire should be observed.
 - (1) Check the inflation pressure after installing the spare, and adjust to the specified pressure.
 - (2) Avoid driving through automatic car washes and over obstacles that could possibly damage the vehicle's undercarriage. Because the tire is smaller than the original tire, car ground clearance is slightly reduced.
 - (3) The compact spare tire should not be used on any other wheels, nor should standard tires, snow tires, wheel covers or trim rings be used with the compact spare wheel. If such use is attempted, damage to these items or other vehicle components may occur.