WHEELS AND TIRES

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GENERAL INFORMATION

N22BAAJ

All vehicles are equipped with aluminum type wheels, and spare wheels are high pressure type. Front and rear tire sizes are different.

SPECIFICATIONS GENERAL SPECIFICATIONS

N22CA-

Items	Specifications			. ~-
Wheel (except spare wheel)	Front		Rear	
Tirë sizë	205/55VR16	225/50VR16	225/50VR16	245/45VR16
Wheel type	Aluminum type	Aluminum type	Aluminum type	Aluminum type
Wheel size	7J-16	8J-16	_ 8J-16	9J-16
Amount of wheel offset mm (in.)	18 (.7)	18 (.7)	-10 (- .4)	0 (0)
Compact spare wheel				
Tire size -	T135/90D15			-
Wheel type	Steel			
Wheel size	4-T x 15			
Amount of wheel offset mm (in.)	40 (1.57)			
Tire inflation pressure kPa (psi)				
Four original tires	190 (27)	250 (36)	_ 190 (27)	270 (39)
Compact spare tire	420 (60)			

SERVICE SPECIFICATIONS

N22CB--

mm (in.)

Items	Specifications
Limit	
Wheel runout	
Radial	3.0 (.12)
Lateral	3.0 (.12)
Tread depth of tire	1.6 (.06)

TORQUE SPECIFICATION

N22CC- --

Items	Nm	ft.lbs.
Wheel nuts	90 – 110	65 – 80

TROUBLESHOOTING

N22EA--

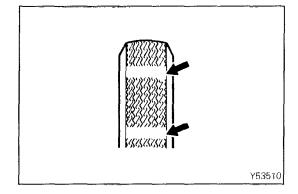
Symptom	10 may 40 m	Probable cause	Remedy
RAPID WEAR AT SHOULDERS		UNDER- INFLATION OR LACK OF ROTATION	Adjust the tire pressure
RAPID WEAR AT CENTER		OVER- INFLATION OR LACK OF ROTATION	
CRACKED TREADS		UNDER-INFLATION	
WEAR ON ONE SIDE		EXCESSIVE CAMBER	Inspect the camber
FEATHERED EDGE		INCORRECT TOE	Adjust the toe-in
BALD SPOTS		UNBALANCED WHEEL **	Adjust the imbalanced wheels
SCALLOPED WEAR		LACK OF ROTATION OF TIRES OR WORN OR OUT-OF- ALIGNMENT SUSPENSION	Replace the tires Inspect the front suspension alignment

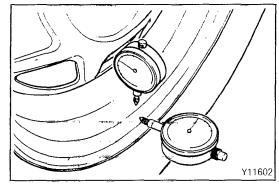
SERVICE ADJUSTMENT PROCEDURES

N22FDAB

TIRE INFLATION PRESSURE CHECK

- 1. Check the inflation pressure of the tires.
- 2. If it is not within the specified tire inflation pressure, make the necessary adjustment.





TIRE WEAR

N22FBAA

1. Measure the tread depth of tires.

Limit: 1.6 mm (.06 in.)

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

NOTE

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

WHEEL RUNOUT

- 1. Jack up the vehicle so that the wheels are clear of the floor.
- 2. While slowly turning the wheel, measure wheel runout with a dial indicator.
- 3. If wheel runout exceeds the service limit, replace the wheel.

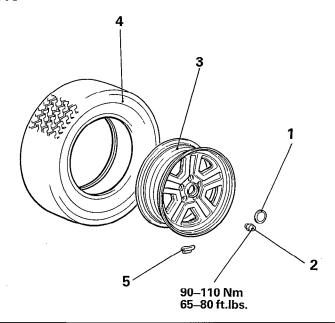
Limit:

3.0 mm (.12 in.) Radial 3.0 mm (.12 in.) Lateral

WHEEL AND TIRE

REMOVAL AND INSTALLATION

N22GA- -



Removal steps

- 1. Center cap
- 2. Wheel nut
- 3. Wheel
- 4. Tire
- 5. Balance weight

NOTE

Reverse the removal procedures to reinstall.

TIRE AND WHEEL ROTATION

N22GE- -

11Y665

Caution

- 1. Do not use the compact spare wheel in tire rotation.
- 2. Do not rotate the tires because their front and rear wheels/tires are different in size from each other.

Finger-tighten wheel nuts then use a torque wrench to tighten the wheel nuts to specification.

NOTE

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

INSTRUCTIONS FOR ALUMINUM TYPE WHEELS

N22GFAA

- 1. Aluminum is vulnerable to alkalies. 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

N22GGAE

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Caution

Do not install the tire chains.

If installed, the chains will interfere with the fenders and give damages to them.

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

INSTRUCTIONS FOR COMPACT SPARE TIRE N22GHAA

- 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 tire, 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 mounted on any other type disc wheels, nor should standard tires, snow tires, wheel covers or trim rings be mounted on disc wheel for compact spare tire. If such use is attempted, damage to these items or other vehicle components may occur.