
WHEELS AND TIRES

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SPECIFICATIONS

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GENERAL SPECIFICATIONS

Items	1500	1600
Wheel		
Tire size	145SR13, P155/80R13 or P175/70R13	P195/60R14
Wheel type	Steel or Aluminum type	Steel or Aluminum type
Wheel size	4½-J x 13 or 5-J x 13	5½-JJ x 14
Amount of wheel offset mm (in.)	46 (1.8)	46 (1.8)
Tire inflation pressure kPa (psi)	200 (29)	200 (29)
Spare wheel		
Tire size	T105/70D14	T125/70D15
Wheel type	Steel	Steel
Wheel size	4-T x 14	4-T x 15
Amount of wheel offset mm (in.)	46 (1.8)	46 (1.8)
Tire inflation pressure kPa (psi)	414 (60)	414 (60)

SERVICE SPECIFICATIONS

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Items	Specifications
Limit	
Wheel runout	
Radial mm (in.)	2.0 (.08)
Lateral mm (in.)	2.0 (.08)
Tread depth of tire mm (in.)	1.6 (.06)

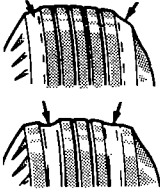
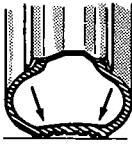
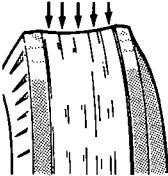
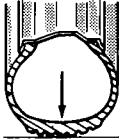
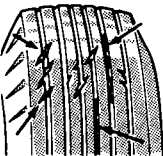
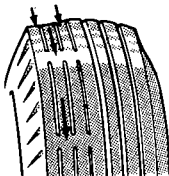
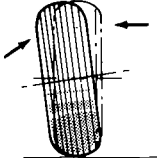
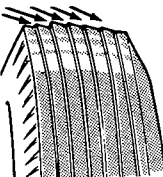
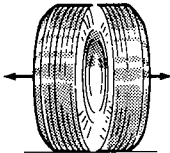
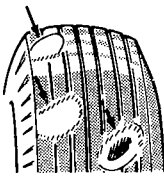
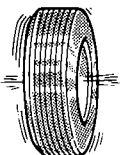
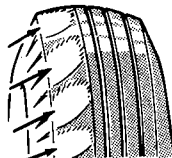
TORQUE SPECIFICATIONS

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

TROUBLESHOOTING

N22EA--

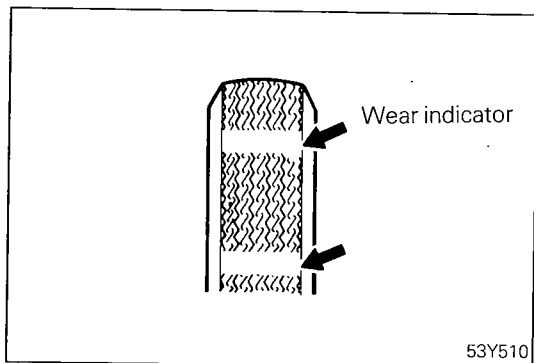
Symptom	Probable cause	Remedy
RAPID WEAR AT SHOULDERS 	UNDER- INFLATION OR LACK OF ROTATION 	Adjust the tire pressure
RAPID WEAR AT CENTER 	OVER- INFLATION OR LACK OF ROTATION 	
CRACKED TREADS 	UNDER-INFLATION	
WEAR ON ONE SIDE 	EXCESSIVE CAMBER 	Inspect the camber
FEATHERED EDGE 	INCORRECT TOE 	Adjust 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 	Rotate the tires Inspect the front suspension alignment

SERVICE ADJUSTMENT PROCEDURES

TIRE INFLATION PRESSURE CHECK

N22FDAC

Check the inflation pressure of the tires. If it is not within the standard value, make the necessary adjustment.



TIRE WEAR CHECK

N22FBAB

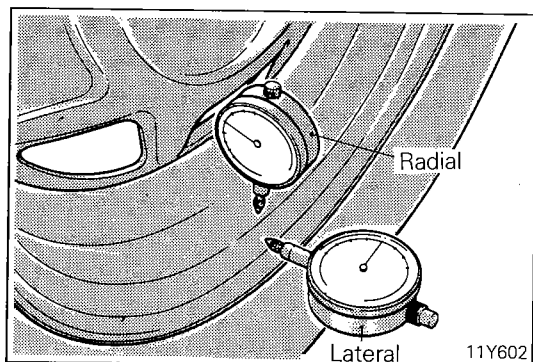
Measure the tread depth of tires.

Limit: 1.6 mm (.06 in.)

If the remaining tread depth is less than the 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 CHECK

N22FCAB

Jack up the vehicle so that the wheels are clear of the floor. While slowly turning the wheel, measure wheel runout with a dial indicator.

Limit:

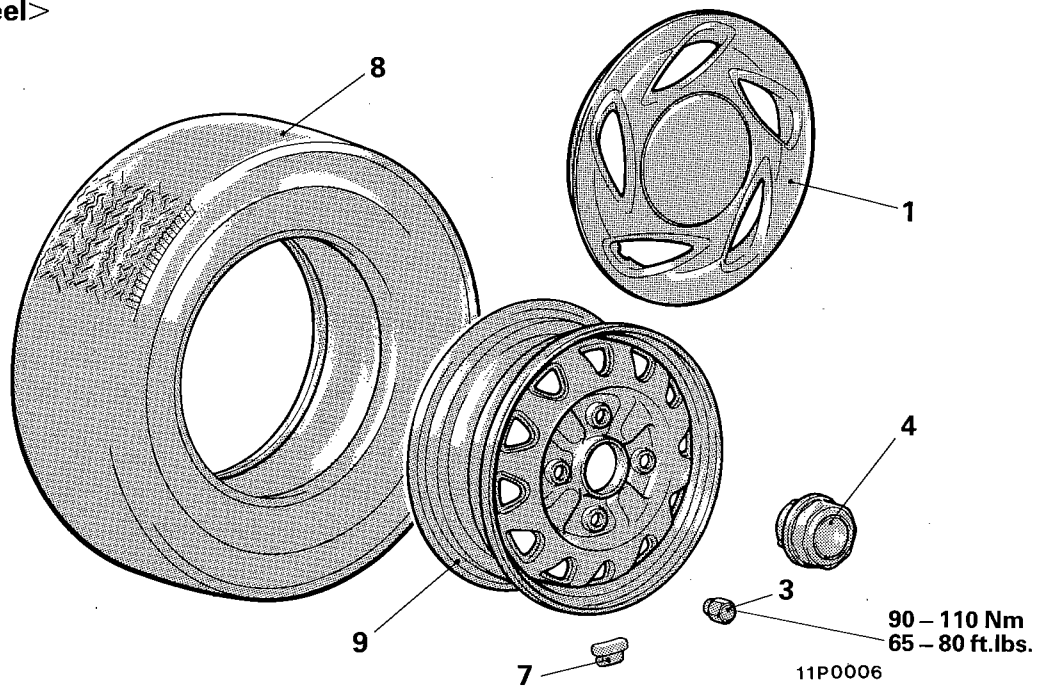
Radial 2.0 mm (.08 in.)

Lateral 2.0 mm (.08 in.)

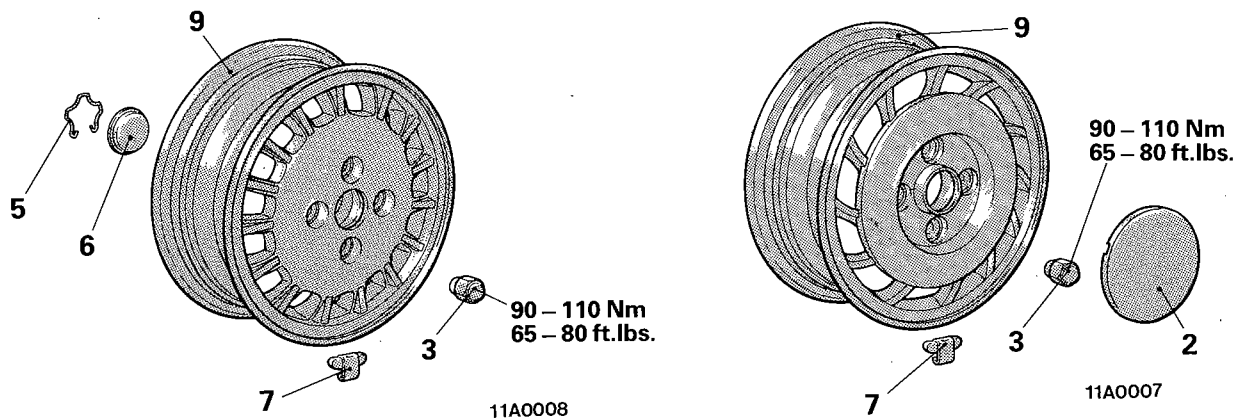
If wheel runout exceeds the limit, replace the wheel.

WHEEL AND TIRE REMOVAL AND INSTALLATION

<Steel wheel>



<Aluminum wheel>



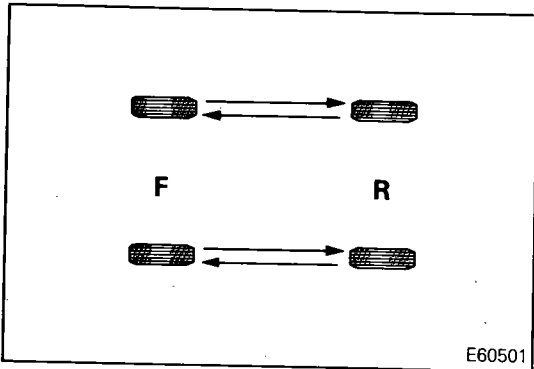
Removal steps

1. Full wheel cover
<Vehicles with full wheel cover>
2. Half wheel cover
<Vehicles with half wheel cover>
3. Hub nuts
4. Center cap
<Vehicles with center cap>
5. Spring
6. Ornament <Vehicles with ornament>

7. Balance weight
8. Tire
9. Wheel

NOTE

Reverse the removal procedures to reinstall.



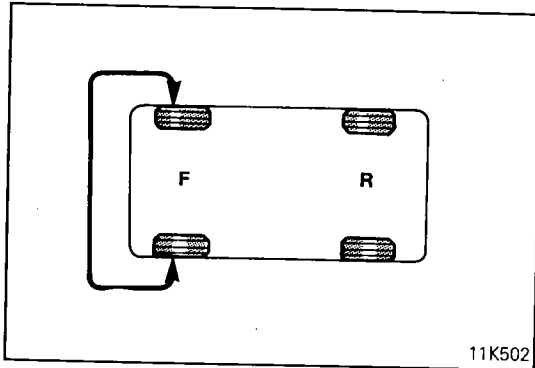
TIRE AND WHEEL ROTATION

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Rotate the tires in the patterns illustrated.

Caution

Do not use the compact spare wheel for wheel rotation.



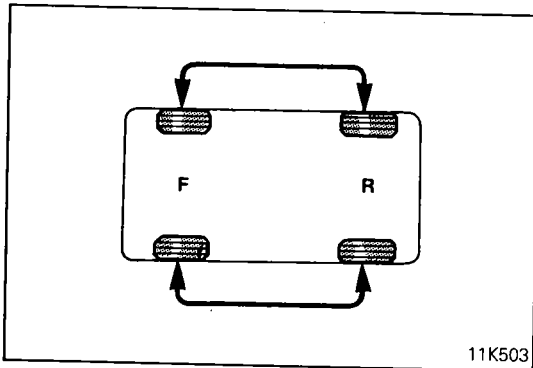
SIMPLE METHOD TO IMPROVE LOAD, PULL AND WAN- DER

Caution

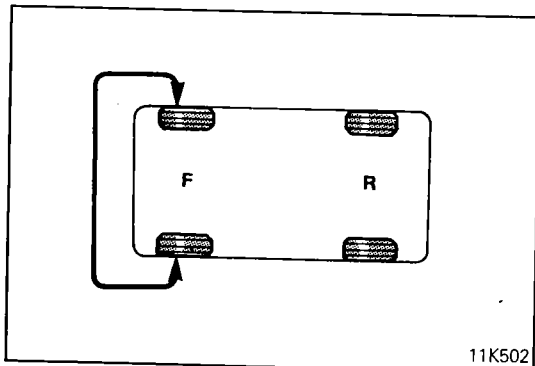
Before carrying out the following works, check to see that the tires are free from wear and the wheel runout and wheel alignment are correctly adjusted.

If the steering wheel pulls to one side, perform the following tire rotation.

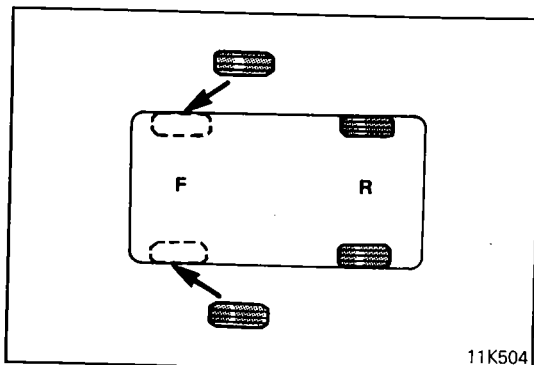
(1) Interchange the front right and left tires, and road test in order to confirm vehicle stability.



(2) If the steering wheel pulls to opposite side, interchange the front and rear tires, and perform the road test.



(3) If the steering wheel still pulls to one side, interchange the front right and left tires again, and perform the road test.



(4) If the steering wheel pulls to opposite side of step (3), replace the front tires with new ones.

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 threads.

TIRE CHAINS AND SNOW TIRES

N22GGAA

1. Use tire chains only on front wheels. Do not use tire chains on rear wheels.
2. 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, and adjust to the specified pressure.
 - (2) Avoid driving 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.