

## GENERAL INFORMATION

Both steel type and aluminium type wheels have been adopted. The type of wheel used depends on the vehicle model.

Wheels	Country	Vehicle	Steel	Aluminium
	Australia and Brunei	Magna V6	15×6.0J(ISO)	15×6.0J(ISO) option
		Advance	15×6.0J(ISO)	15×6.0J(ISO) option
		Alterra		15×6.0J(ISO)
		Verada		16×6.0J(ISO)
		Sports		16×6.0J(ISO)
	NewZealand	Magna V6	15×6.0J(ISO)	
		Super Saloon		15×6.0J(ISO)
		SEi		16×6.0J(ISO)
	Pacific regions	Magna V6	15×6.0J(ISO)	15×6.0J(ISO) option

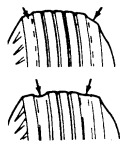
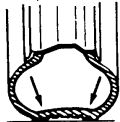
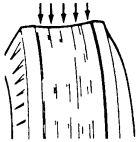
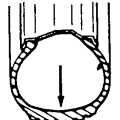

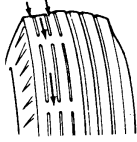
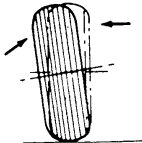
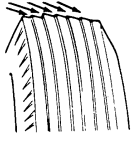
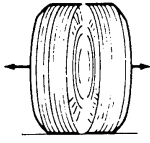

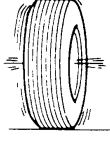
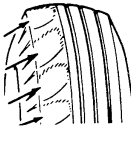
Tyres	Type	Size	Steel	Aluminium
	Radial	15"	P205/65R15 95H	P205/65R15 95H
	Radial	16"		P215/60R16 95H

## SERVICE SPECIFICATIONS

Items			Limit
Wheel runout mm	Average radial runout	Steel wheel	0.5 or less
		Aluminium wheel	0.3 or less
	Lateral runout	Steel wheel	1.0 or less
		Aluminium wheel	0.3 or less
Tyre runout mm	Radial runout		1.0 or less
	Lateral runout		1.3 or less
Tyre and Wheel runout mm	Radial runout	Steel wheel	1.5 or less
		Aluminium wheel	1.3 or less
	Lateral runout	Steel wheel	2.5 or less
		Aluminium wheel	1.7 or less
Tread depth of tyre mm			1.6
Maximum imbalance		Steel – 120grams	Aluminium – 120 grams

NOTE: Tyre pressure and rim combinations are covered by Australian Design Rules. Approved combinations for each vehicle are listed on the tyre placard. Any deviation from these specifications, requires approval by State Registration Authorities prior to installation or the vehicle may subsequently be refused registration.

# TROUBLESHOOTING

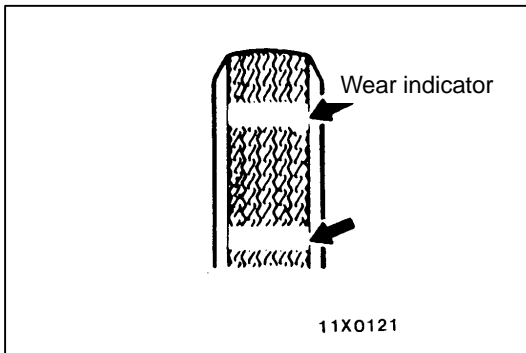
Symptom		Probable cause		Remedy
Rapid wear at shoulders	 11X0109	Under-inflation or lack of rotation	 11X0116	Adjust the tyre pressure.
Rapid wear at centre	 11X0110	Over-inflation or lack of rotation	 11X0117	Adjust the tyre pressure.
Cracked treads	 11X0111	Under-inflation		Adjust the tyre pressure.
Wear on one side	 11X0112	Excessive camber	 11X0118	Inspect the camber.
Feathered edge	 11X0113	Incorrect toe-in	 11X0119	Adjust the toe-in.
Bald spots	 11X0114	Unbalanced wheel	 11X0120	Adjust the imbalanced wheels.
Scalloped wear	 11X0115	Lack of rotation of tyres or worn or out-of-alignment suspension		Rotate the tyres, inspect the front suspension alignment.

## ON-VEHICLE SERVICE

### TYRE INFLATION PRESSURE CHECK

#### NOTE

Refer to the tyre placard located at the base of the right hand 'B' pillar.



### TYRE WEAR CHECK

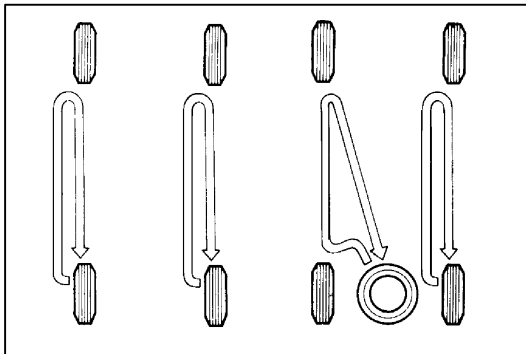
Measure the tread depth of tyres.

**Limit: 1.6 mm**

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

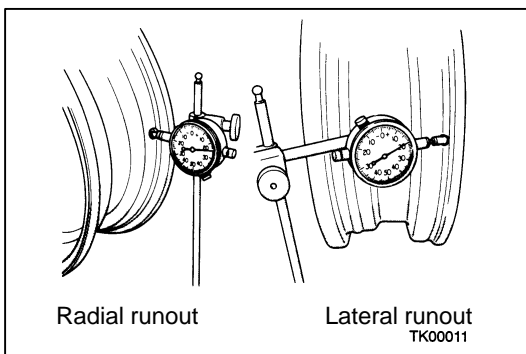
#### NOTE

When the tread depth of tyres is reduced to 1.6 mm or less, wear indicators will appear.



### TYRE ROTATION

Due to the front wheel drive format of the vehicle, slightly accelerated tyre wear may be experienced on the front wheels. Tyre wear can be minimised with accurate front wheel alignment, correct tyre inflation pressures and careful driving habits. However if it is deemed necessary to rotate the tyres use the sequence shown in the illustration.



### WHEEL RUNOUT CHECK

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 runout.**

**Steel wheel; 0.5mm**

**Aluminium wheel; 0.3mm**

**Lateral runout.**

**Steel wheel; 1.0mm**

**Aluminium wheel; 0.3mm**

If wheel runout exceeds the limit, replace the wheel.

## WHEEL AND TYRE

### WHEEL AND TYRE REMOVAL AND INSTALLATION

Tighten the wheel nut to the specified torque.

**Tightening torque: 90–110 Nm**