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# WHEEL AND TYRE

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## 31-2 WHEEL AND TYRE – General Information/Service Specifications

### GENERAL INFORMATION

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

A compact spare tyre has been adopted as the spare tyre in some models.

Items		1600	1800	1800	1800
			GLX	GLS	MSX
Wheel	Type	Steel type	Steel type	Steel type Aluminium type*	Aluminium type
	Size	14 × 5.5J	14 × 5.5J	14 × 5.5J	14 × 5.5J 15 × 6.0J*
	Amount of wheel offset mm	44	44	44	44
	Pitch circle diameter (P.C.D.) mm	100.0	114.3	114.3	114.3
Tyre	Size	175/65R14 82T 175/70R14 84T*	185/65R14 86H	185/65R14 86H 195/60R14 86V*	195/60R14 86V 205/50R15 86V*
Spare wheel	Type	Steel type	Steel type	Steel type Aluminium type*	Steel type Aluminium type*
	Size	14×4.0T 15×4.0T* <sup>1</sup> 14×5.5J* <sup>2</sup>	15×4.0T 14×5.5J* <sup>2</sup>	15×4.0T 14×5.5* <sup>2</sup>	15×4.0T 15×6.0J* <sup>2</sup>
	Amount of wheel offset mm	46	46	46	46
	Pitch circle diameter (P.C.D.) mm	100.0	114.3	114.3	114.3
Spare tyre	Size	T105/70D14 (High pressure) 175/65R14 82T* <sup>2</sup> T125/70D15* <sup>1</sup> (High pressure)	T125/70D15 (High pressure) 185/65R14 86H* <sup>2</sup>	T125/70D15 (High pressure) 185/65R14 86H* <sup>2</sup> 195/60R14 86V* <sup>2</sup>	T125/70D15 (High pressure) 195/60R14 86V* <sup>2</sup> 205/50R15 86V* <sup>2</sup>

#### NOTE

\*1: Vehicles for France

\*2: Optional items

### SERVICE SPECIFICATIONS

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Items	Limit	
Tread depth of tyre mm	1.6	
Wheel runout (Radial runout) mm	Steel wheel	1.2 or less
	Aluminium wheel	1.0 or less
Wheel runout (Lateral runout) mm	Steel wheel	1.2 or less
	Aluminium wheel	1.0 or less

**TROUBLESHOOTING**

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Symptom		Probable cause		Remedy	Reference page
Rapid wear at shoulders	11X0109	Under-inflation or lack of rotation	11X0116	Adjust the tyre pressure.	31-5.
Rapid wear at centre	11X0110	Over-inflation or lack of rotation	11X0117		
Cracked treads	11X0111	Under-inflation		Adjust the tyre pressure.	31-5.
Wear on one side	11X0112	Excessive camber	11X0118	Inspect the camber.	Refer to GROUP 33A – On-vehicle Service.
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 and inspect the front suspension alignment.	Refer to GROUP 33A – On-vehicle Service.

**ON-VEHICLE SERVICE**

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**TYRE INFLATION PRESSURE CHECK**

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

**TYRE WEAR CHECK**

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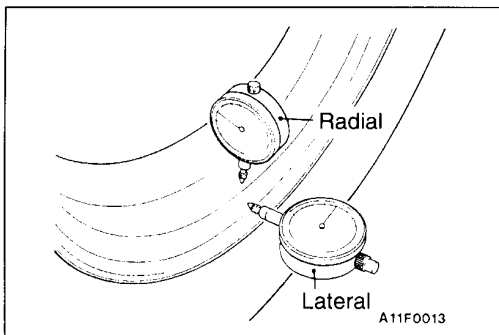
Measure the tread depth of tyres.

**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.

**WHEEL RUNOUT CHECK**

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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:**

Item	Steel wheel	Aluminium wheel
Radial runout mm	1.2	1.0
Lateral runout mm	1.2	1.0

If wheel runout exceeds the limit, replace the wheel.

**WHEEL AND TYRE**

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**INSTALLATION SERVICE POINT**

Tighten the wheel nut to the specified torque.

**Tightening torque: 98–117 Nm**