

6-1. Specifications

Maintenance data

Dimensions and weight

Overall length		180.1 in. (4575 mm)
Overall width		70.9 in. (1800 mm)
Overall height *1	2WD models	56.1 in. (1425 mm)
	AWD models	56.7 in. (1440 mm)
Wheelbase		107.4 in. (2730 mm)
Tread	Front	60.4 in. (1535 mm)
	Rear	60.0 in. (1525 mm) ^{*2} 60.4 in. (1535 mm) ^{*3}
Vehicle capacity weight (Occupants + luggage)		825 lb. (374 kg)

*1: Unladen vehicle

*2: Vehicle with 255/40R18 tires

*3: Vehicle with tires other than the above

Vehicle identification

The vehicle identification number (VIN) is the legal identifier for your vehicle. This is the primary identification number for your Lexus. It is used in registering the ownership of your vehicle.



This number is stamped on the top left of the instrument panel and in the engine compartment.



This number is also on the Certification Label.

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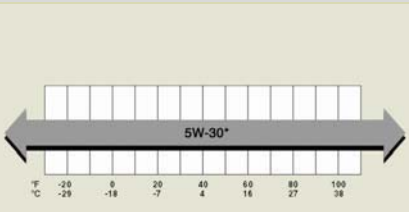
Engine

	IS250	IS350
Model	4GR-FSE	2GR-FSE
Type	6-cylinder V type, 4-cycle, gasoline	6-cylinder V type, 4-cycle, gasoline
Bore and stroke	3.27 × 3.03 in. (83.0 × 77.0 mm)	3.70 × 3.27 in. (94.0 × 83.0 mm)
Displacement	152.5 cu.in. (2500 cm ³)	210.9 cu.in. (3456 cm ³)
Drive belt tension	Automatic adjustment	

Fuel

Fuel type	Unleaded gasoline only
Octane rating	91 (Research octane number 96) or higher
Fuel tank capacity	17.2 gal. (65 L, 14.3 Imp.gal)

Lubrication system

	IS250	IS350
Oil capacity (drain and refill)		
with filter		
2WD models	6.6 qt. (6.3 L, 5.5 Imp.qt.)	6.6 qt. (6.3 L, 5.5 Imp.qt.)
AWD models	6.8 qt. (6.4 L, 5.7 Imp.qt.)	—
without filter		
2WD models	6.2 qt. (5.9 L, 5.2 Imp.qt.)	6.2 qt. (5.9 L, 5.2 Imp.qt.)
AWD models	6.3 qt. (6.0 L, 5.3 Imp.qt.)	—
Oil grade	ILSAC multi-grade engine oil	
Recommended oil viscosity	<p>Use Lexus approved "Toyota Genuine Motor Oil" or equivalent to satisfy the above grade and viscosity.</p>  <p>Temperature range anticipated before next oil change</p>	

*:5W-30 is an oil that provides optimal levels of fuel efficiency.

Oil viscosity

- 5W oils are for use in areas where the ambient temperature is -3°F (-25°C) or above. "10W" oils are for areas where the ambient temperature is -4°F (-20°C) or above. Oils with smaller figures are better for engine starting in cold weather and fuel efficiency.
- XX-30 indicates oil viscosity. Oils with higher numbers have better stability at higher temperatures and are good for high-speed driving.

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Cooling system

Capacity	9.6 qt. (9.1 L, 8.0 Imp.qt.)
Coolant type	Use either of the following. <ul style="list-style-type: none">• "Toyota Super Long Life Coolant"• Similar high-quality ethylene glycol-based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life organic acid technology Do not use plain water alone.

Ignition system

Spark plug	
Make	DENSO
Gap	FK20HBR11 0.043 in. (1.1 mm)

NOTICE

■ Iridium-tipped spark plugs

Use only iridium-tipped spark plugs. Do not adjust gap when tuning engine.

Electrical system

Battery	
Open voltage at 68°F (20°C):	12.6 — 12.8 Fully charged 12.2 — 12.4 Half charged 11.8 — 12.0 Discharged (Voltage checked 20 minutes after the key is removed with all the lights turned off)
Charging rates	5A max.

Differential

Oil capacity	Front	0.74 qt. (0.70 L, 0.61 Imp.qt.)
	Rear	IS350: 1.42 qt. (1.35 L, 1.19 Imp.qt.) IS250 (2WD models): 1.20 qt. (1.15 L, 1.01 Imp.qt.) IS250 (AWD models): 1.10 qt. (1.05 L, 0.92 Imp.qt.)
Oil type and viscosity	IS250 (2WD) with limited slip differential and IS250 (AWD)	Hypoid gear oil API GL-5 Above 0°F (-18°C): SAE90 Below 0°F (-18°C): SAE80W or SAE80W-90
	Others	Toyota Genuine Differential Gear Oil LT 75W-85 GL-5, Toyota Genuine Differential Synthetic Gear Oil or equivalent

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Automatic Transmission

	IS350	IS250 (2WD)	IS250 (AWD)
Fluid capacity	1.8 qt.	1.6 qt.	2.8 qt.
Drain and refill	(1.7 L, 1.5 Imp.qt.)	(1.5 L, 1.4 Imp.qt.)	(2.7 L, 2.4 Imp.qt.)
Fluid type	Toyota Genuine ATF WS		

NOTICE

Using automatic transmission fluid other than "Toyota Genuine ATF WS" may cause deterioration in shift quality, locking up of your transmission accompanied by vibration, and ultimately damage the automatic transmission of your vehicle.

Manual transmission

Gear oil capacity	1.9 qt. (1.8 L, 1.6 Imp.qt.)
Gear oil type	API GL-4 or GL-5
Recommended gear oil viscosity	SAE75W-90

Clutch

Clutch free play	0.2—0.6 in. (5—15 mm)
Fluid type	SAE J1703 or FMVSS No.116 DOT 3

Brakes

Pedal clearance ^{*1}	
IS 350	4.13 in. (105 mm) Min.
IS 250	
Manual transmission	4.09 in. (104 mm) Min.
Automatic transmission	4.3 in. (108 mm) Min.
Pedal free play	0.04 — 0.08 in. (1.0 — 2.0 mm)
Brake pad wear limit	0.04 in. (1.0 mm)
Parking brake lining wear limit	0.04 in. (1.0 mm)
Parking brake pedal travel ^{*2} / lever travel ^{*3}	
Pedal type	7 — 9 clicks
Lever type	4 — 6 clicks
Fluid type	SAE J1703 or FMVSS No. 116 DOT 3

^{*1}: Minimum pedal clearance when depressed with a force of 50 kgf (490 N, 110 lbf) while the engine is running.

^{*2}: Parking brake pedal travel when depressed with a force of 30.6 kgf (300 N, 67.4 lbf).

^{*3}: Parking brake lever travel when pulled up with a force of 20.4 kgf (200 N, 50.0 lbf).

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Steering

Free play	Less than 1.2 in. (30 mm)
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Tires and wheels

► Type A

Tire size	205/55R16 89W, T125/70D17 98M (spare)
Front and rear tire inflation pressure (Recommended cold tire inflation pressure)	<p>Driving under normal conditions</p> <p>Front tires: 35 psi (240 kPa, 2.4 kgf/cm² or bar)</p> <p>Rear tires: 38 psi (260 kPa, 2.6 kgf/cm² or bar)</p> <p>Driving at high speeds above 100 mph (160 km/h) (in countries where such speeds are permitted by law)</p> <p>Add 5.8 psi (40 kPa, 0.4 kgf/cm² or bar) to the front tires and rear tires. Never exceed the maximum cold tire inflation pressure indicated on the tire sidewall.</p>
Spare tire inflation pressure (Recommended cold tire inflation pressure)	60 psi (420 kPa, 4.2 kgf/cm ² or bar,)
Wheel size	16 × 7JJ, 17 × 4T (spare)
Wheel nut torque	10.5 kgf•m (103 N•m, 76 ft•lbf)

► Type B

Tire size	225/45R17 90W, 245/45R17 95W, T125/70D17 98M (spare)
Front and rear tire inflation pressure (Recommended cold tire inflation pressure)	<p>Driving under normal conditions</p> <p>Front tires: 35 psi (240 kPa, 2.4 kgf/cm² or bar)</p> <p>Rear tires: 38 psi (260 kPa, 2.6 kgf/cm² or bar)</p> <p>Driving at high speeds above 100 mph (160 km/h) (in countries where such speeds are permitted by law)</p> <p>Add 4.5 psi (30 kPa, 0.3 kgf/cm² or bar) to the front tires and rear tires. Never exceed the maximum cold tire inflation pressure indicated on the tire sidewall.</p>
Spare tire inflation pressure (Recommended cold tire inflation pressure)	60 psi (420 kPa, 4.2 kgf/cm ² or bar)
Wheel size	17 × 8JJ, 17 × 4T (spare)
Wheel nut torque	10.5 kgf•m (103 N•m, 76 ft•lbf)

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► Type C

Tire size	225/45R17 91V, 225/45R17 91V, T125/70D17 98M
Front and rear tire inflation pressure (Recommended cold tire inflation pressure)	<p>Driving under normal conditions</p> <p>Front tires: 35 psi (240 kPa, 2.4 kgf/cm² or bar)</p> <p>Rear tires: 38 psi (260 kPa, 2.6 kgf/cm² or bar)</p> <p>Driving at high speeds above 100 mph (160 km/h) (in countries where such speeds are permitted by law)</p> <p>Add 7.2 psi (50 kPa, 0.5 kgf/cm² or bar) to the front tires and rear tires. Never exceed the maximum cold tire inflation pressure indicated on the tire sidewall.</p>
Spare tire inflation pressure (Recommended cold tire inflation pressure)	60 psi (420 kPa, 4.2 kgf/cm ² or bar)
Wheel size	17 × 8JJ, 17 × 4T (spare)
Wheel nut torque	10.5 kgf•m (103 N•m, 76 ft•lbf)

► Type D

Tire size	Front tires: 225/45R17 95V Rear tires: 245/45R17 95V Spare tire: T125/70R17 98M
Front and rear tire inflation pressure (Recommended cold tire inflation pressure)	Driving under normal conditions Front tires: 35 psi (240 kPa, 2.4 kgf/cm ² or bar) Rear tires: 38 psi (260 kPa, 2.6 kgf/cm ² or bar) Driving at high speeds above 100 mph (160 km/h) (in countries where such speeds are permitted by law) Add 10 psi (70 kPa, 0.7 kgf/cm ² or bar) to the front tires and rear tires. Never exceed the maximum cold tire inflation pressure indicated on the tire sidewall.
Spare tire inflation pressure (Recommended cold tire inflation pressure)	60 psi (420 kPa, 4.2 kgf/cm ² or bar)
Wheel size	17 × 8JJ, 17 × 4T (spare)
Wheel nut torque	10.5 kgf•m (103 N•m, 76 ft•lbf)

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► Type E

Tire size	Front tires: 225/40R18 88Y Rear tires: 255/40R18 95Y Spare tire: T145/70R17 106M
Front and rear tire inflation pressure (Recommended cold tire inflation pressure)	Driving under normal conditions Front tires: 35 psi (240 kPa, 2.4 kgf/cm ² or bar) Rear tires: 38 psi (260 kPa, 2.6 kgf/cm ² or bar) Driving at high speeds above 100 mph (160 km/h) (in countries where such speeds are permitted by law) Add 7.2 psi (50 kPa, 0.5 kgf/cm ² or bar) to the front tires and rear tires. Never exceed the maximum cold tire inflation pressure indicated on the tire sidewall.
Spare tire inflation pressure (Recommended cold tire inflation pressure)	60 psi (420 kPa, 4.2 kgf/cm ² or bar)
Wheel size	Front wheels: 18 × 8J Rear wheels: 18 × 8 1/2J Spare wheel: 17 × 4T
Wheel nut torque	10.5 kgf•m (103 N•m, 76 ft•lbf)