

SECTION 8

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Dimensions and weights

Overall length	mm (in.):
3945 (155.3)	
Overall width	mm (in.):
1690 (66.5)	
Overall height	mm (in.):
1640 (64.6)	
Wheelbase	mm (in.):
2500 (98.4)	
Front tread	mm (in.):
1455 (57.3)	
Rear tread	mm (in.):
1430 (56.3)	
Vehicle capacity weight (occupants+cargo)	kg(lb.):
375 (825)	

Engine

Model:
1.5L 4- cylinder (1NZ- FE)

Type:
4 cylinder in line, 4 cycle, gasoline

Bore and stroke, mm (in.):
75.0 × 84.7 (2.95 × 3.33)

Displacement, cm³ (cu. in.):
1497 (91.3)

Fuel

Fuel type:
Unleaded gasoline, Octane Rating 87 (Research Octane Number 91) or higher

Fuel tank capacity, L (gal., Imp.gal.):
45 (11.9, 9.9)

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Service specifications

ENGINE

Valve clearance (engine cold), mm (in.):

Intake 0.15 – 0.25 (0.006 – 0.010)

Exhaust 0.25 – 0.35 (0.010 – 0.014)

Spark plug type:

DENSO K16R-U

NGK BKR5EYA

Spark plug gap, mm(in.):

0.8 (0.031)

ENGINE LUBRICATION

Oil capacity (drain and refill), L (qt., Imp.qt.):

With filter 3.7 (3.9, 3.3)

Without filter 3.4 (3.6, 3.0)

“Genuine Motor Oil” is used in your Scion vehicle. Use Scion approved “Genuine Motor Oil” or equivalent to satisfy the following grade and viscosity.

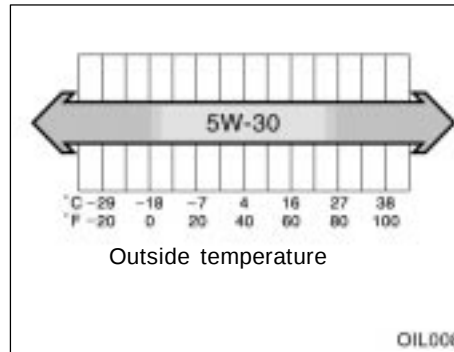
Oil grade:

ILSAC multigrade engine oil

Please contact your Scion dealer for further details.

Recommended oil viscosity:

SAE 5W-30



COOLING SYSTEM

Total capacity, L (qt., Imp.qt.):

Manual transmission 4.4 (4.7, 3.9)

Automatic transmission 4.3 (4.5, 3.8)

Coolant type:

“Toyota Super Long Life Coolant” is used in your Scion vehicle at factory fill. In order to avoid technical problems, only use “Toyota Super Long Life Coolant” or similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology. (Coolant with long-life hybrid organic acid technology is a combination of low phosphates and organic acids.)

Do not use plain water alone.

Please contact your Scion dealer for further details.

BATTERY

Open voltage* at 20°C (68°F):

12.6 – 12.8 V Fully charged

12.2 – 12.4 V Half charged

11.8 – 12.0 V Discharged

*: Voltage that is checked 20 minutes after the key is removed with all the lights turned off

Charging rates: 5 A max.

CLUTCH

Pedal free play, mm (in.):
5 – 15 (0.2 – 0.6)

Fluid type:
SAE J1703 or FMVSS No. 116 DOT 3

MANUAL TRANSAXLE

Oil capacity, L (qt., Imp.qt.):
1.9 (2.0, 1.7)

Oil type:
Gear oil API GL-4 or GL-5

Recommended oil viscosity:
SAE 75W-90

AUTOMATIC TRANSAXLE

Fluid capacity (drain and refill),
L (qt., Imp.qt.):
2.9 (3.1, 2.6)

Fluid type:
Genuine ATF Type T-IV

Change automatic transmission fluid only
as necessary.

Generally, it is necessary to change automatic transmission fluid only if your vehicle is driven under one of the Special Operating Conditions listed in your “Scheduled Maintenance Guide” or “Owner’s Manual Supplement”. When changing the automatic transmission fluid, use only “Genuine ATF Type T-IV” (ATF JWS3309 or NWS6500) to aid in assuring optimum transaxle performance.

Notice: Using automatic transmission fluid other than “Genuine ATF Type T-IV” may cause deterioration in shift quality, locking up of your transmission accompanied by vibration, and ultimately damage the automatic transmission of your vehicle.

BRAKES

Minimum pedal clearance when depressed with the pressure of 490 N (50 kgf, 110 lbf) with the engine running, mm (in.):
55 (2.2)

Pedal free play, mm (in.):
1 – 6 (0.04 – 0.24)

Pad wear limit, mm (in.):
1.0 (0.04)

Lining wear limit, mm (in.):
1.0 (0.04)

Parking brake adjustment when pulled with the force of 196 N (20 kgf, 44 lbf):
6 – 9 clicks

Fluid type:
SAE J1703 or FMVSS No. 116 DOT 3

STEERING

Wheel free play:
Less than 30 mm (1.2 in.)

Power steering fluid type:
Automatic transmission fluid DEXRON®II
or III

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Tires

Tire size and cold tire inflation pressure:

Front and rear

kPa (kgf/cm ² or bar, psi)			
Tire size	Front	Rear	Wheel size
P185/60R15 84T	200 (2.0, 29)	200 (2.0, 29)	15 x 6 JJ

Spare

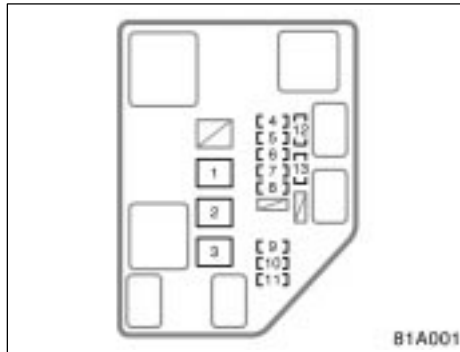
Tire size	Tire inflation pressure kPa (kgf/cm ² or bar, psi)	Wheel size
T125/70D16 96M	420 (4.2, 60)	16 x 4T

Wheel nut torque, N·m (kgf·m, ft·lbf):

103 (10.5, 76)

NOTE: For complete information on tires (e.g. replacing tires or replacing wheels), see "Checking tire inflation pressure" through "Replacing wheels" on pages 199 through 205.

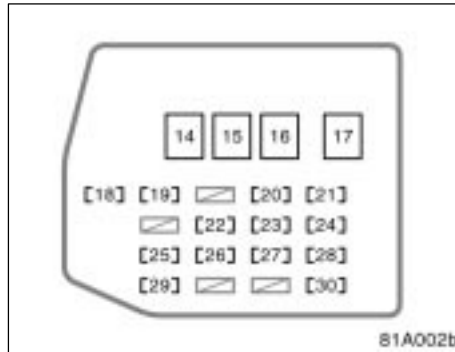
Fuses



Engine compartment

Fuses

1. **RDI 30 A:** Electric cooling fan
2. **HTR SUB1 50 A:** Air conditioning system
3. **ABS NO.1 40 A:** Anti-lock brake system
4. **DOME 15 A:** Clock, interior light, gauges of meters
5. **EFI 15 A:** Multiport fuel injection system/sequential multiport fuel injection system



Instrument panel

6. **HORN 15 A:** Horn
7. **AM2 15 A:** Starter system, SRS airbag system, multiport fuel injection system/sequential multiport fuel injection system, discharge warning system
8. **ST 30 A:** Starter system
9. **H-LP LH/H-LP LO LH 10 A:** Left-hand headlight
10. **H-LP RH/H-LP LO RH 10 A:** Right-hand headlight
11. **A/C2 7.5 A:** Air conditioning system
12. **SPARE 30 A:** Spare
13. **SPARE 15 A:** Spare
14. **AM1 40 A:** "ACC", "GAUGE", "WIPER", and "ECU-IG" fuses
15. **POWER 30 A:** Power windows
16. **HTR 40 A:** Air conditioning system
17. **DEF 30 A:** Rear window defogger system.
18. **I/UP 7.5 A:** Rear window defogger system, multiport fuel injection system/ sequential multiport fuel injection system
19. **GAUGE 10 A:** Back-up lights, charging system, air conditioning system, power window system, gauges of meters
20. **D/L 25 A:** Power door lock system
21. **TAIL 10 A:** Tail lights, parking lights, license plate lights
22. **WIPER 20 A:** Windshield wipers and washer
23. **ECU-B 7.5 A:** SRS airbag system
24. **FOG 15 A:** Front fog lights
25. **ACC 15 A:** Clock, cigarette lighter
26. **ECU-IG 7.5 A:** Anti-lock brake system, electric cooling fan
27. **OBD 7.5 A:** On-board diagnosis system

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- 28. HAZ 10 A:** Turn signal lights, emergency flashers
- 29. A.C 7.5 A:** Air conditioning system
- 30. STOP 10 A:** Stop lights, high mounted stop light, anti-lock brake system, shift lock system, multiport fuel injection system/sequential multiport fuel injection system

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