

Part 8

SPECIFICATIONS

- Dimensions and weight
- Engine
- Fuel
- Service specifications
- Tires
- Fuses

Dimensions and weight

mm (in.)

	P195/70R 14 tire	P205/65R 15 tire
Overall length	4783 (188.3)	4783 (188.3)
Overall width	1780 (70.1)	1780 (70.1)
Overall height	1416 (55.7)* ¹	1419 (55.9)* ¹
Wheelbase	2670 (105.1)	2670 (105.1)
Front tread	1547 (61.0)	1547 (61.0)
Rear tread	1520 (59.8)	1520 (59.8)

Vehicle capacity weight
(occupants + luggage)

kg(lb): 410 (900)

*1: Unladen vehicle

Engine

Model:

5S-FE and 1MZ-FE

Type:

5S-FE engine

4 cylinder in line, 4 cycle, gasoline

1MZ-FE engine

6 cylinder V type 4 cycle, gasoline

Bore and stroke, mm (in.):

5S-FE engine

87.0 X 91.0 (3.43 X 3.58)

1MZ-FE engine

87.5 X 83.0 (3.44 X 3.27)

Displacement, cm³ (cu. in.):

5S-FE engine

2164(132.0)

1MZ-FE engine

2995(182.8)

Fuel

Fuel type:

5S-FE engine

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

1MZ-FE engine

Unleaded gasoline, Research Octane Number 91 (Octane Rating 87) or higher.

For improved vehicle performance, the use of premium unleaded gasoline with a Research Octane Number of 96 (Octane Rating 91) or higher is recommended.

Fuel tank capacity, L (gal., Imp. gal.):

70(18.5, 15.4)

Service specifications

ENGINE

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

5S-FE engine

Intake 0.19—0.29 (0.007—0.011)

Exhaust 0.28—0.38 (0.011—0.015)

1MZ-FE engine

Intake 0.15—0.25 (0.006—0.010)

Exhaust 0.25—0.35 (0.010—0.014)

Spark plug type:

DENSO

PK20TR11

NGK

BKR6EKP11

Spark plug gap, mm (in.):

1.1 (0.043)

Drive belt tension measured with Bor-
oughs drive belt tension gauge No.
BT-33-73F (used belt), lbf:

5S-FE engine

With air conditioning

Generator belt 130 ± 10

Power steering pump belt 80 ± 20

Without air conditioning

Generator belt 95 ± 20

Power steering pump belt 80 ± 20

1MZ-FE engine 115 ± 20

ENGINE LUBRICATION

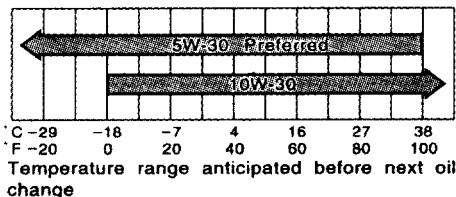
Oil capacity (drain and refill), L (qt., Imp. qt.):

5S-FE engine	
With filter	3.6 (3.8, 3.2)
Without filter	3.4 (3.6, 3.0)
1MZ-FE engine	
With filter	4.7 (5.0, 4.1)
Without filter	4.5 (4.8, 4.0)

Oil grade:

API SH, "Energy-Conserving II" multi-grade engine oil or ILSAC multigrade engine oil is recommended.

Recommended oil viscosity (SAE):



L70010

Temperature range anticipated before next oil change.

L70010

COOLING SYSTEM

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

5S-FE engine	6.9 (7.3, 6.1)
1MZ-FE engine	9.1 (9.6, 8.4)

Coolant type:

With ethylene-glycol antifreeze
(Do not use alcohol type.)

BATTERY

Open voltage* at 20 °C (68 °F):

12.7 V	Fully charged
12.3 V	Half charged
11.9 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 freeplay, 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.):

5S-FE engine	2.6 (2.7, 2.3)
1MZ-FE engine	4.2 (4.9, 4.0)

Oil type:

Multipurpose gear oil API GL-4 or GL-5

Recommended oil viscosity:

SAE 75W-90

AUTOMATIC TRANSAXLE

Automatic transmission

Fluid capacity (drain and refill),

L (qt., Imp. qt.):

5S-FE engine	Up to 2.5 (2.6, 2.2)
1MZ-FE engine	Up to 3.5 (3.7, 3.1)

Fluid type:

Automatic transmission fluid D-II or
DEXRON® III (DEXRON® II)

Differential

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

5S-FE engine 1.6 (1.7, 1.4)

1MZ-FE engine 0.85 (0.9, 0.7)

Fluid type:

Automatic transmission fluid D-II or
DEXRON[®] III (DEXRON[®] II)

BRAKES

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

70 (2.8)

Pedal freeplay, 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 freeplay:

Less than 30 mm (1.2 in.)

Power steering fluid type:

Automatic transmission fluid DEX-
RON[®] II or III

Tires

Normal driving

kPa (kgf/cm² or bar, psi)

Tire size	For all loads including full rated loads		For reduced loads (1 to 4 passengers)		Wheel size
	Front	Rear	Front	Rear	
P195/70R14 90S	210 (2.1, 30)	210 (2.1, 30)	210 (2.1, 30)	210 (2.1, 30)	14 x 5.5JJ
P205/65R15 92S	215/70R 16 99	220 (2.2, 32)	200 (2.0, 29)	200 (2.0, 29)	15 x 6JJ

Trailer towing

kPa (kgf/cm² or bar, psi)

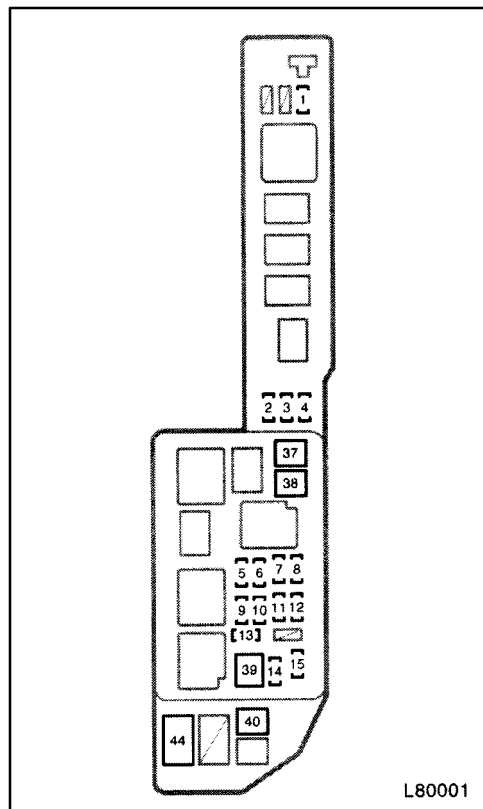
Tire size	Front	Rear
P195/70R14 90S	210 (2.1, 30)	210 (2.1, 30)
P205/65R15 92H	220 (2.2, 32)	220 (2.2, 32)

When driving under the above vehicle load conditions at sustained high speeds above 160 km/h (100 mph), in countries where such speeds are permitted by-law, inflate the front and rear tires to 240 kPa (2.4 kgf/cm² or bar, 35 psi) provided that it does not exceed the maximum cold tire pressure molded on the tire sidewall.

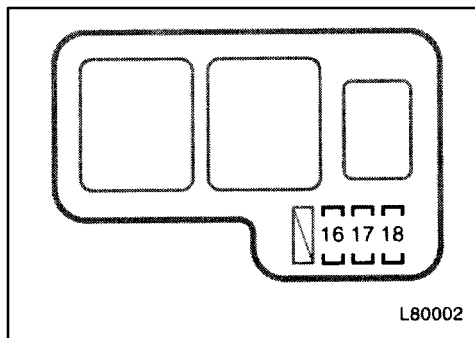
Wheel nut torque, N·m (kgfm, ft·lbf):

104 (10.5, 77)

Fuses



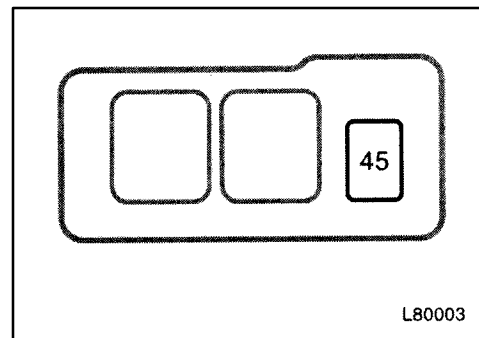
Engine compartment



Engine compartment (Canada)

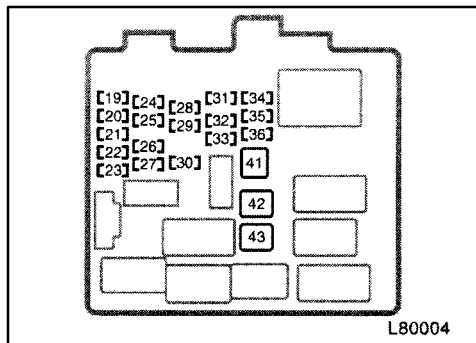
Fuses (type A)

1. **A/C 10 A:** Air conditioning system
2. **10 A:** Spare fuse
3. **15 A:** Spare fuse
4. **30 A:** Spare fuse
5. **ALT-S 5 A:** Charging system
6. **HEAD (RH-HI) 15 A:** Right-hand headlight
7. **EFI 15 A:** Multiport fuel injection system/sequential multiport fuel injection system
8. **HORN 10 A:** Horn, theft deterrent system



Engine compartment

9. **HAZ 10 A:** Emergency flasher
10. **AM2 30 A:** Gauge and meter, SRS air-bag system, Multiport fuel injection system/sequential multiport fuel injection system, "IGN" and "ST" fuses
11. **TEL 5 A:** No circuit
12. **HEAD (LH-HI) 15 A:** Left-hand headlight
13. **RAD NO.1 20 A:** Audio system



Instrument panel

14.DOME 7.5 A: Theft deterrent system, daytime running light system, clock, locking with wireless remote control system, ignition switch light, personal light, trunk light, electric moon roof lamp, interior light, vanity mirror light, door courtesy light, power door lock system

15.ECU-B 7.5 A: Cruise control system, anti-lock brake system, SRS airbag system

16.DRL NO. 2 5 A (vehicles sold in Canada): Daytime running light system

17.HEAD (LH-LO) 10 A: Left-hand headlight

18.HEAD (RH-LO) 10 A: Right-hand headlight

19.SEAT-HEATER 20 A: No circuit

20.HEATER 10 A: Air conditioning system, rear window defogger, starting system

21.GAUGE 10 A: Gauges and meters, back-up lights, cruise control system, charging system, traction control system, daytime running light system, power windows, service reminder indicators and warning buzzers

22.WIPER 20 A: Windshield wipers and washer

23.MIRROR-HEATER 10A: Outside rear view mirror defogger

24.ECU-IG 15 A: Cruise control system, anti-lock brake system, power antenna, SRS airbag system, theft deterrent system, shift lock control system, traction control system, daytime running light system, locking with wireless remote control system, multiport fuel injection system/sequential multiport fuel injection system

25.IGN 5A: Gauges and meters, charging system, SRS airbag system, multiport fuel injection system/sequential multiport fuel injection system

26.STOP 15 A: Stop lights, cruise control system, high-mounted stoplight, anti-lock brake system, shift lock control system, multiport fuel injection system/sequential multiport fuel injection system

17.TAIL 10 A: Parking lights, license plate lights, tail lights, front side marker lights, daytime running light system, multiport fuel injection system/sequential multiport fuel injection system

28.POWER-OUTLET 15 A: Power outlet

29.OBD 7.5 A: On-board diagnosis system

30.FOG 15 A: No circuit

31.STARTER 5 A: Gauges and meters, multiport fuel injection system/sequential multiport fuel injection system

32.DOOR 25 A: Power door lock system, theft deterrent system, fuel filler door control system

33.PANEL 7.5 A: Gauge and meter, audio system, cigarette lighter, glove box light, clock, instrument panel light control, service reminder indicators, air conditioning control panel lights, ash-tray light, emergency flasher, seat heater control system, daytime running light system, rear window defogger, electronically controlled automatic transmission system

34.TURN 7.5 A: Emergency flasher

35.RAD-NO. 7 7.5 A: Audio system, power

36.CIG 15 A: Cigarette lighter, shift lock control system, power rear view mirror controls, theft deterrent system, power door lock system, SRS airbag system, outside rear view mirror defogger, air conditioning system

Fuses (type B)

37.CDS 30 A: Electric cooling fans

38.RADI FAN 30 A: Electric cooling fans

39.MAIN 40 A: "HEAD (RH-HI)", "head (rh-lo)" FUSES

40.HTR 50 A: "AM1", "A/C" fuses

41.DEF 40 A: Rear window defogger

42.PWR 30 A: Power window control system, power seat, electric moon roof

43.AM1 40 A: Head lamp cleaner

Fuses (type C)

44.ALT 100 A: "RDI FAN", "CDS" fuses

45.ABS 60 A: Anti-lock brake system