

SECTION 8

SPECIFICATIONS

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Dimensions and weight

Overall length	mm (in.)	4930 (194.1)
Overall width	mm (in.)	1865 (73.4)
Overall height	mm (in.)	1710 (67.3)*
Wheelbase	mm (in.)	2900 (114.2)
Front tread	mm (in.)	1565 (61.6)
Rear tread	mm (in.)	1610 (63.4)
Vehicle capacity weight (occupants + luggage)	kg (lb.)	526 (1160)

*: Unladen vehicle

Engine

Model:

1MZ-FE

Type:

6 cylinder V type 4 cycle, gasoline

Bore and stroke, mm (in.):

87.5 × 83.0 (3.44 × 3.27)

Displacement, cm³ (cu. in.):

2995 (182.8)

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Fuel

Fuel type:

Unleaded gasoline, Octane Rating 87 (Research Octane Number 91) or higher. For improved vehicle performance, the use of premium unleaded gasoline with an Octane Rating of 91 (Research Octane Number 96) or higher is recommended.

Fuel tank capacity, L (gal., Imp. gal.):
79 (21, 17.5)

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	SK20R11
NGK	IFR6A11

Spark plug gap, mm (in.):
1.1 (0.043)

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

Generator belt	125 ± 10
Power steering pump belt	115 ± 20

ENGINE LUBRICATION

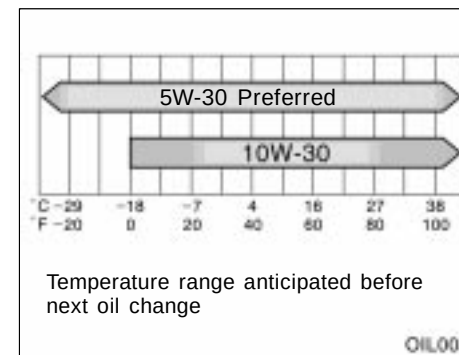
Oil capacity (drain and refill), L (qt., Imp. qt.):

With filter	4.7 (5.0, 4.1)
Without filter	4.5 (4.8, 4.0)

Oil grade:

API grade SJ, "Energy-Conserving" or ILSAC multigrade engine oil is recommended.

Recommended oil viscosity (SAE):



COOLING SYSTEM

Total capacity, L (qt., Imp. qt.):
10.4 (11.0, 9.2)

Coolant type:

"TOYOTA Long Life Coolant" or equivalent

With ethylene-glycol type coolant for a proper corrosion protection of aluminum components

Do not use alcohol type antifreeze or plain water alone.



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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.

AUTOMATIC TRANSAXLE

Fluid capacity (drain and refill),
L (qt., Imp. qt.):
Up to 4.75 (5.0, 4.2)

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

BRAKES

Minimum pedal clearance when depressed
with the force of 490 N (50 kgf, 110 lbf)
with the engine running, mm (in.):
96 (3.8)

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 depressed
with the force of 294 N (30 kgf, 66 lbf):
3—5 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 pressure:

Normal driving

Tire size	Tire pressure, kPa (kgf/cm ² or bar, psi)	Wheel size
P205/70R15 95S	240 (2.4, 35)	15 × 6.5JJ
P215/65R15 95S	220 (2.2, 32) ^{*1} 240 (2.4, 35) ^{*2}	15 × 6.5JJ
T145/80D16	420 (4.2, 60)	16 × 4T

^{*1}: Vehicle load up to 6 passengers

^{*2}: Up to vehicle capacity weight

Trailer towing

Tire size	Tire pressure, kPa (kgf/cm ² or bar, psi)	Wheel size
P205/70R15 95S	240 (2.4, 35)	15 × 6.5JJ
P215/65R15 95S	240 (2.4, 35)	15 × 6.5JJ

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.

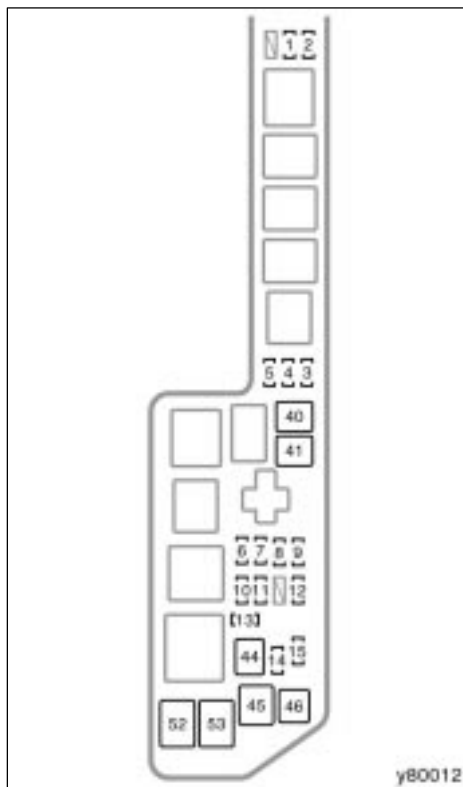
Wheel nut torque, N·m (kgf·m, ft·lbf):

104 (10.5, 77)

NOTE: For a complete information on tires (e.g. replacing tires or replacing wheels), see “Checking tire pressure” through “Aluminum wheel precautions” in Section 7–2.

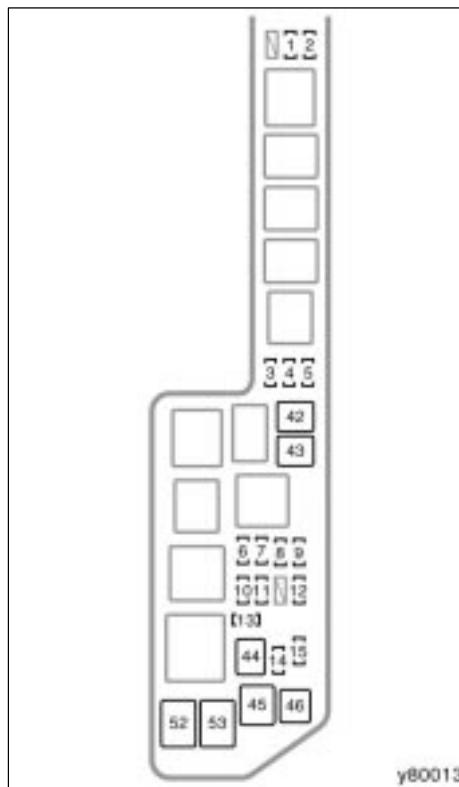
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Fuses



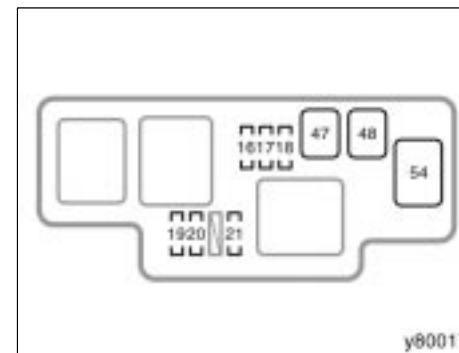
Engine compartment
(with towing package)

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Engine compartment
(without towing package)

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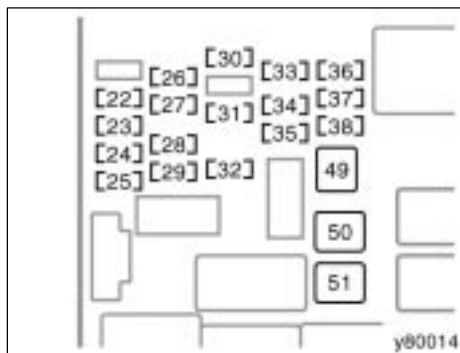


Engine compartment

Fuses (type A)

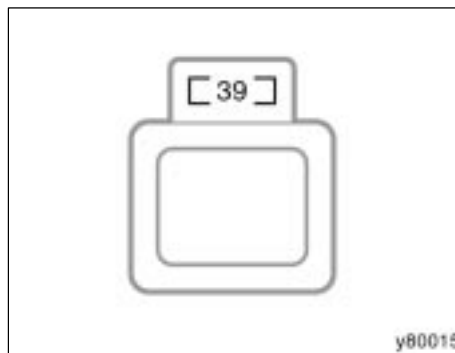
1. SEAT HTR 20 A: Seat heaters
2. A/F HTR 25 A: Air fuel ratio sensor
3. SPARE 10 A: Spare fuse
4. SPARE 15 A: Spare fuse
5. SPARE 30 A: Spare fuse
6. ALT-S 5 A: Charging system
7. HEAD (RH) 15 A: Right-hand headlight (high beam)
8. EFI 15 A: Multiport fuel injection system/sequential multiport fuel injection system

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Instrument panel

- 9. HORN 10 A:** Horn, theft deterrent system
- 10. HAZARD 10 A:** Emergency flashers
- 11. AM2 30 A:** "IGN" and "STARTER" fuses
- 12. HEAD (LH) 15 A:** Left-hand headlight (high beam)
- 13. RADIO NO.1 20 A:** Car audio system



Instrument panel

- 14. DOME 10 A:** Clock, personal lights, vanity mirror lights, door courtesy lights, luggage compartment light, open door warning light, ignition switch light, theft deterrent system, daytime running light system, interior lights, air conditioning system, wireless remote control, garage door opener
- 15. ECU-B 10 A:** Cruise control system, SRS warning light, power sliding door
- 16. FOG 20 A:** Front fog lights
- 17. ABS NO.3 25 A:** Vehicle skid control system

- 18. ABS NO.2 25 A:** Vehicle skid control system
- 19. H-LP LH (LO) 10 A:** Left-hand headlight (low beam)
- 20. H-LP RH (LO) 10 A:** Right-hand headlight (low beam)
- 21. ABS NO.4 5 A:** Vehicle skid control system
- 22. HEATER 10 A:** Air conditioning system, rear window defogger
- 23. GAUGE 10 A:** Gauges and meters, service reminder indicators and warning buzzers (except discharge and open door warning light), power windows, daytime running light system, back-up lights, power sliding door, auto anti-glare inside rear view mirror, compass
- 24. WIPER 25 A:** Windshield wipers and washer, rear window wiper and washer
- 25. MIRROR-HEATER 10 A:** Multiport fuel injection system/sequential multiport fuel injection system, outside rear view mirror defogger
- 26. ECU-IG 15 A:** Cruise control system, anti-lock brake system, vehicle skid control system, locking with wireless remote control system, theft deterrent system

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- 27. **IGN 5 A:** Gauges and meters, charging system, SRS airbag system, seat belt pretensioners, multiport fuel injection system/sequential multiport fuel injection system
- 28. **STOP 15 A:** Stop lights, cruise control system, high-mounted stoplight, tail lights
- 29. **TAIL 10 A:** Parking lights, front side marker lights, license plate lights, tail lights, power sliding door
- 30. **PWR-VENT 15 A:** Power rear quarter windows
- 31. **OBD 7.5 A:** On-board diagnosis system
- 32. **PWR-OUTLET 15 A:** Power outlets
- 33. **STARTER 5 A:** Multiport fuel injection system/sequential multiport fuel injection system
- 34. **DOOR 25 A:** Power door lock system, theft deterrent system
- 35. **PANEL 7.5 A:** Gauge and meter, car audio system, clock, air conditioning system, instrument panel light control, rear window defogger, electronically controlled automatic transmission system, emergency flashers, parking lights, seat heaters, power rear quarter windows, power sliding door
- 36. **TURN 7.5 A:** Turn signal lights, emergency flashers
- 37. **RADIO NO.2 7.5 A:** Car audio system
- 38. **CIG 15 A:** Cigarette lighter, clock, power rear view mirror controls, SRS airbag system, seat belt pretensioners, back-up lights, theft deterrent system, air conditioning system
- 39. **A/C 5 A:** Front air conditioning system
- Fuses (type B)**
- 40. **CDS 40 A:** Electric cooling fans
- 41. **RDI 40 A:** Electric cooling fans
- 42. **CDS 30 A:** Electric cooling fans
- 43. **RDI 30 A:** Electric cooling fans
- 44. **MAIN 40 A:** Daytime running light system, "H-LP RH (LO)" and "H-LP LH (LO)" fuses
- 45. **R/R A/C 40 A:** Rear air conditioning system
- 46. **HTR 50 A:** Front air conditioning system
- 47. **PWR SLD 30 A:** Power sliding door (left side)
- 48. **Rr CLR 40 A:** Rear air conditioning system
- 49. **DEF 30 A:** Rear window defogger, "MIRROR-HEATER" fuse
- 50. **PWR 30 A:** Power windows, electric moon roof, power seat, power sliding door (right side), "PWR-VENT" fuse
- 51. **AM1 40 A:** "CIG", "RADIO NO.2", "ECU-IG", "WIPER", "HEATER", "GAUGE" and "TURN" fuses
- Fuses (type C)**
- 52. **ALT 140 A:** Charging system, "FL ABS", "INP", "HTR" and "R/R A/C" fuses
- 53. **INP 100 A:** "AM1" and "DEF" fuses
- 54. **FL ABS 60 A:** Anti-lock brake system