

## **SECTION 8**

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### **SPECIFICATIONS**

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### Dimensions and weights

Overall length	mm (in.)	3735 (147.0)
Overall width	mm (in.)	1660 (65.4)
Overall height	mm (in.)	1500 (59.1)
Wheelbase	mm (in.)	2370 (93.3)
Front tread	mm (in.)	1445 (56.9)
Rear tread	mm (in.)	1420 (55.9)
Vehicle capacity weight (occupants + luggage)	kg (lb.)	280 (617)
Towing capacity (trailer + cargo weight)	kg (lb.)	318 (700)

### Engine

Model:	1NZ-FE
Type:	4 cylinder in line, 4 cycle, gasoline
Bore and stroke, mm (in.):	75.0 × 84.7 (2.95 × 3.33)
Displacement, cm <sup>3</sup> (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)

**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)

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

Generator belt	100±20
Power steering pump belt	65±10

**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)

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

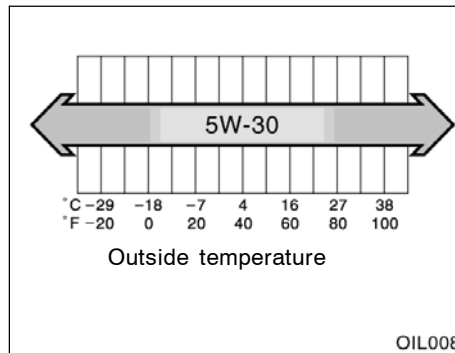
Oil grade:

API grade SL “Energy-Conserving” or ILSAC multigrade engine oil

Please contact your Toyota 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 Toyota 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 Toyota 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.

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### 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:  
Toyota 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 "Toyota Genuine ATF Type T-IV" (ATF JWS3309 or NWS6500) to aid in assuring optimum transaxle performance.

**Notice: Using automatic transmission fluid other than "Toyota 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

**Tires**

**Tire size and cold tire inflation pressure:**

Tire size kPa (kgf/cm<sup>2</sup> or bar, psi)  
 Standard  
 P175/65R14 81S 220 (2.2, 32)

Spare  
 T115/70D14 420 (4.2, 60)

**Wheel size:**

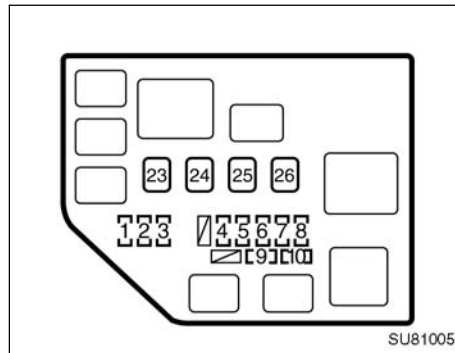
Standard 14 x 5 1/2J, 14 x 5 1/2JJ  
 Spare 14 x 4T

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

**103 (10.5, 76)**

NOTE: For a complete information on tires (e.g. replacing tires or replacing wheels), see "Checking tire inflation pressure" through "Aluminum wheel precautions", page 191 through 198 in Section 7-2.

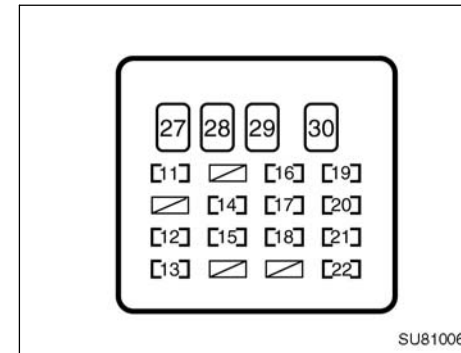
**Fuses**



Engine compartment

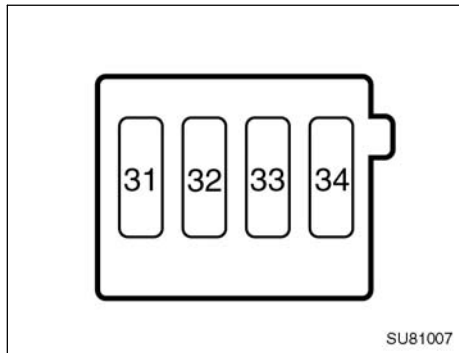
**Fuses (type A)**

1. **P/POINT 15 A:** No circuit
2. **H-LP RH/H-LP LO RH 10 A:** Right-hand headlight
3. **H-LP LH/H-LP LO LH 10 A:** Left-hand headlight
4. **ST 30 A:** Starter system
5. **AM2 15 A:** Starter system, SRS airbag system, multiport fuel injection system/sequential multiport fuel injection system, discharge warning system
6. **HORN 15 A:** Horn



Instrument panel

7. **EFI 15 A:** Multiport fuel injection system/sequential multiport fuel injection system
8. **DOME 15 A:** Interior light, gauges of meters
9. **SPARE 15 A:** Spare
10. **SPARE 30 A:** Spare
11. **GAUGE 10 A:** Back-up lights, charging system, air conditioning system, gauges of meters
12. **ACC 15 A:** Cigarette lighter
13. **A.C 7.5 A:** Air conditioning system



Engine compartment

- 14. **WIPER 20 A:** Windshield wipers and washer, rear window wipers and washer
- 15. **ECU-IG 7.5 A:** Anti-lock brake system, electric cooling fan
- 16. **D/L 25 A:** Power door lock system
- 17. **ECU-B 7.5 A:** SRS airbag system
- 18. **OBD 7.5 A:** On-board diagnosis system
- 19. **TAIL 10 A:** Tail lights, parking lights, license plate lights, illuminations
- 20. **FOG 15 A:** No circuit

- 21. **HAZ 10 A:** Turn signal lights, emergency flashers
- 22. **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

**Fuses (type B)**

- 23. **HTR SUB2 50 A:** No circuit
- 24. **HTR SUB1 50 A:** Air conditioning system
- 25. **RDI 30 A:** Electric cooling fan
- 26. **CL-ACT2 30 A:** No circuit
- 27. **AM1 40 A:** "ACC", "GAUGE", "WIPER", and "ECU-IG" fuses
- 28. **POWER 30 A:** No circuit
- 29. **HTR 40 A:** Air conditioning system
- 30. **DEF 30 A:** Rear window defogger system.

**Fuses (type C)**

- 31. **MAIN 60 A:** "EFI", "DOME", "HORN", "ST", "AM2", "H-LP LH", "H-LP RH", "H-LP LH (HI)", "H-LP RH (HI)", "H-LP LH (LO)" and "H-LP RH (LO)" fuse
- 32. **CL-ACT1 60 A:** No circuit

- 33. **ALT 120 A:** "ECU-B", "TAIL", "D/L", "OBD", "A.C", "HTR", "POWER", "STOP" and "DEF" fuses
- 34. **ABS 60 A:** Anti-lock brake system