



SECTION 8

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'01 4Runner_U (L/O 0008)

Dimensions and weight

mm (in.)

	P225/75R 15 tire	P265/70R 16 tire	
		Without wheel opening extension	With wheel opening extension
Overall length	4655 (183.3)	4655 (183.3)	4655 (183.3)
Overall width	1690 (66.5)	1730 (68.1)	1800 (70.9)
Overall height	1715 (67.5)*	1740 (68.5)*	1740 (68.5)*
Wheelbase	2675 (105.3)	2675 (105.3)	2675 (105.3)
Front tread	1505 (59.3)	1505 (59.3)	1505 (59.3)
Rear tread	1495 (58.9)	1510 (59.5)	1510 (59.5)

Cargo weight rating kg (lb.):
113 (250)

*: Unladen vehicle

Engine

Model: 5VZ-FE

Type:

6 cylinder V type 4 cycle, gasoline

Bore and stroke, mm (in.):

93.5 × 82.0 (3.68 × 3.23)

Displacement, cm³ (cu. in.):

3378 (206.1)

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Fuel

Fuel type:

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

Fuel tank capacity, L (gal., Imp. gal.):
70 (18.5, 15.4)

Service specifications

ENGINE

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

Intake	0.13—0.23 (0.006—0.009)
Exhaust	0.27—0.37 (0.011—0.014)

Spark plug type:

DENSO	K16TR11
NGK	BKR5EKB-11

Spark plug gap, mm (in.):

1.1 (0.043)

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

Generator belt

100 ± 20

Air conditioning compressor belt

100 ± 20

Power steering pump belt

100 $\begin{smallmatrix} +20 \\ -15 \end{smallmatrix}$

ENGINE LUBRICATION

Oil capacity (drain and refill),

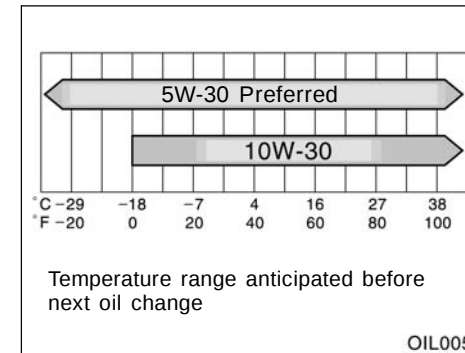
L (qt., Imp. qt.):

With filter	5.2 (5.5, 4.6)
Without filter	4.9 (5.2, 4.3)

Oil grade:

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

Recommended oil viscosity (SAE):



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COOLING SYSTEM

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

With rear heater	9.0 (9.5, 7.9)
Without rear heater	8.0 (8.5, 7.0)

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.

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 TRANSMISSION

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

Two-wheel drive models
Up to 1.6 (1.7, 1.4)

Four-wheel drive models
Up to 2.0 (2.1, 1.8)

Fluid type:

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

TRANSFER

Oil capacity, L (qt., Imp. qt.):
1.2 (1.3, 1.1)

Oil type:

Gear oil API GL-4 or GL-5

Recommended oil viscosity:
SAE 75W-90

DIFFERENTIAL

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

Two-wheel drive models
2.75 (2.9, 2.4)

Four-wheel drive models

Front
1.15 (1.2, 1.0)

Rear

With center differential lock system
2.75 (2.9, 2.4)

Without center differential lock system
2.45 (2.6, 2.2)

Oil type:

Hypoid gear oil API GL-5

Recommended oil viscosity:

Front
SAE 75W-90

Rear

Above -18°C (0°F)
SAE 90

Below -18°C (0°F)
SAE 80W or 80W-90

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CHASSIS LUBRICATION

Propeller shafts:

Spiders

Lithium base chassis grease, NLGI No.2

Slide yoke and double cardan joint

Molybdenum-disulfide lithium base chassis grease, NLGI No.2

BRAKES

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

40 (1.6)

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):

7—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, pressure and wheel size:

Tire size	Tire pressure kPa (kgf/cm ² or bar, psi)		Wheel size
	Front	Rear	
P265/70R16	220 (2.2, 32)	220 (2.2, 32)	7J × 16 ^{*1} 7JJ × 16 ^{*2}
P225/75R15	200 (2.0, 29)	200 (2.0, 29)	7J × 15 ^{*1} 7JJ × 15 ^{*2}

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.

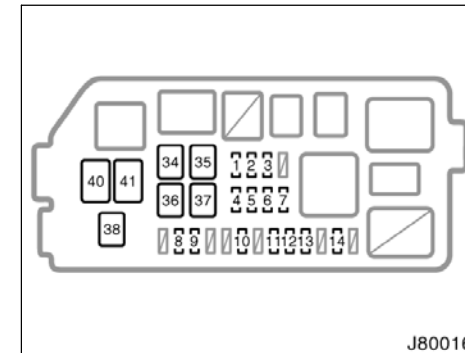
Wheel nut torque, N·m (kgf·m, ft·lbf):

110 (11.5, 83)

*1: Vehicles with steel wheels

*2: Vehicles with aluminum wheels

Fuses

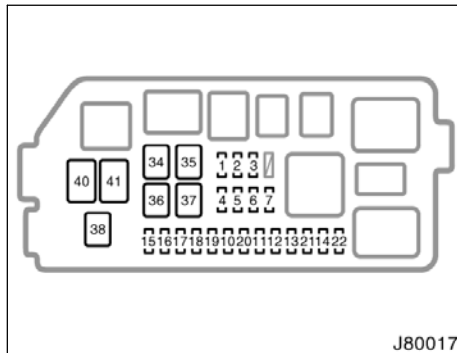


**Engine compartment
(without daytime running light system)**

Fuses (type A)

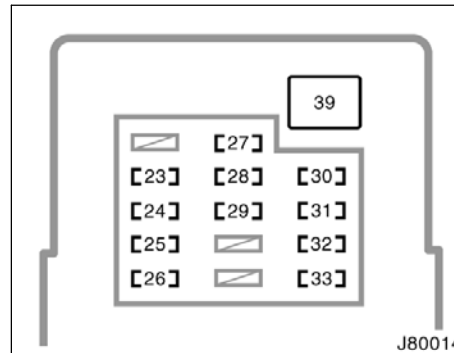
- 1. ALT-S 7.5 A:** Charging system
- 2. PWR OUTLET 15 A:** Power outlets
- 3. RR HTR 10 A:** Rear air conditioning system
- 4. MPX-B 15 A:** Power back window, back door lock, back window wiper, open door warning (back door), power door lock control system, back window defogger, horns, theft deterrent system

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**Engine compartment
(with daytime running light system)**

- 5. DOME 15 A:** Interior lights, personal lights, luggage compartment light, clock, car audio system, gauges and meters, ignition switch light, vanity mirror light, daytime running light
- 6. OBD 7.5 A:** On-board diagnosis system
- 7. EFI 20 A:** Multiport fuel injection system/sequential multiport fuel injection system
- 8. HEAD(RH) 10 A:** Right-hand headlight, gauges and meters
- 9. HEAD(LH) 10 A:** Left-hand headlight



Instrument panel

- 10. TAIL 10 A:** Tail lights, license plate lights, instrument panel lights
- 11. A.C 10 A:** Air conditioning system
- 12. MIR HTR 10 A:** Outside rear view mirror heaters
- 13. DEFOG 15 A:** Back window defogger
- 14. ETCS 15 A:** Multiport fuel injection system/sequential multiport fuel injection system
- 15. DRL 7.5 A:** Daytime running light system
- 16. HEAD (HI RH) 10 A:** Right-hand headlight (high beam), gauges and meters

- 17. HEAD (HI LH) 10 A:** Left-hand headlight (high beam)
- 18. HEAD (LO RH) 10 A:** Right-hand headlight (low beam)
- 19. HEAD (LO LH) 10 A:** Left-hand headlight (low beam)
- 20. TOWING 25 A:** Trailer lights (back-up lights, rear turn signal lights, stop/tail lights)
- 21. SEAT HTR 20 A:** Seat heater
- 22. FOG 15 A:** Front fog lights
- 23. ECU-IG 10 A:** Cruise control system, anti-lock brake system, vehicle skid control system, SRS airbag system, electronically controlled automatic transmission system, power antenna, power window, electric moon roof, power back window, back window defogger, back window wiper
- 24. TURN 10 A:** Turn signals lights, emergency flashers
- 25. WIPER 25 A:** Windshield wipers and washer, power door lock control system, back window defogger, horns, theft deterrent system
- 26. 4WD 20 A:** A.D.D. control system, four-wheel drive control system, center differential lock system

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- 27. ACC 15 A:** Car audio system, power antenna, clock, power rear view mirror control, cigarette lighter, seat belt pretensioners, electronically controlled automatic transmission system, power outlets, theft deterrent system
- 28. GAUGE 10 A:** Gauges and meters, back window defogger, daytime running light system, air conditioning system, cruise control system, center differential lock system, electronically controlled automatic transmission, back-up lights
- 29. IGN 10 A:** SRS airbag system, seat belt pretensioners, multiport fuel injection system/sequential multiport fuel injection system, discharge warning light, vehicle skid control system
- 30. ECU-B 7.5 A:** Gauges and meters, air conditioning system
- 31. HORN,HAZ 15 A:** Horns, emergency flashers
- 32. STA 7.5 A:** Starting system
- 33. STOP 10 A:** Stop lights, high-mounted stoplight

Fuses (type B)

- 34. HEATER 50 A:** Air conditioning system, all components in "A.C" fuse
- 35. AM1 40 A:** Starting system, all components in "ACC", "GAUGE", "TURN", "ECU-IG", "WIPER" and "4WD" fuses
- 36. J/B 50 A:** All components in "POWER", "HORN,HAZ", "STOP" and "ECU-B" fuses
- 37. AM2 30 A:** Starting system, multiport fuel injection system/sequential multiport fuel injection system, all components in "STA" and "IGN" fuses
- 38. ABS2 40 A:** Anti-lock brake system, active traction control system, vehicle skid control system
- 39. POWER 30 A:** Power window, power back window, electric moon roof, power seat, back door lock

Fuses (type C)

- 40. ABS 60 A:** Anti-lock brake system
- 41. ALT 120 A:** Charging system, all components in "AM1", "HEATER", "TAIL", "RR HTR", "ALT-S", "DEFOG", "MIR HTR" and "ACC" fuses