

Part 8

SPECIFICATIONS

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Dimensions and weight

Overall length	mm (in.)	4820(189.8)
Overall width	mm (in.)	1930 (76.0)
Overall height	mm (in.)	1860 (73.2)* ¹
	mm (in.)	1870 (73.6)* ²
Wheelbase	mm (in.)	2850 (112.2)
Front tread	mm (in.)	1595 (62.8)
Rear tread	mm (in.)	1600 (63.0)
Vehicle capacity weight (occupants + luggage)		
	kg (lb.)	408 (900)
		524 (1155)* ³

*¹: Unladen vehicle plus two occupants

*²: Unladen vehicle

*³: With third seats

Engine

Model:

1FZ-FE

Type:

6 cylinder in line, 4 cycle, gasoline

Bore and stroke, mm (in.):

100.0 X 95.0 (3.94 x 3.74)

Displacement, cm³ (cu. in.):

4477 (273.1)

Fuel

Fuel type:

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

Fuel tank capacity, L (gal., Imp. gal.):
95 (25.1, 20.9)

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:

NIPPONDENSO	K16R-U
NGK	BKR5EYA

Spark plug gap, mm (in.):
0.8 (0.031)

Drive belt tension measured with Bor-
roughs drive belt tension gauge No.
BT-33-73F (used belt), lbf:
80 ± 20

ENGINE LUBRICATION

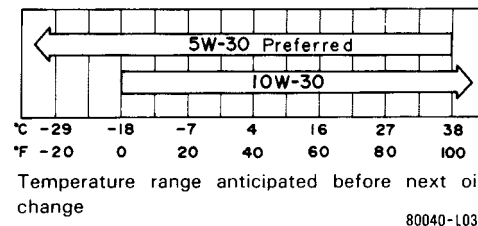
Oil capacity (drain and refill),
L (qt., Imp. qt.)

With filter	7.4 (7.8, 6.5)
Without filter	6.9 (7.3, 6.1)

Oil grade:

API SH, "Energy-Conserving II" mul-
tigrade engine oil or ILSAC multigrade en-
gine oil is recommended.

Recommended oil viscosity (SAE):



COOLING SYSTEM

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

With front heater	12.5 (13.2, 11.0)
With front and rear heater	13.4 (14.2, 11.8)

Coolant type:

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

BATTERY

—Maintenance type battery

Specific gravity reading at 20°C (68°F):

1.280	Fully charged
1.180	Half charged
1.080	Discharged

—Non-maintenance 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:

Non-maintenance battery 5 A max.

Maintenance type battery

Quick charge 15 A max.

Slow charge 5 A max.

TRANSFER

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

1.7 (1.8, 1.4)

Oil type:

Multipurpose gear oil API

GL-4 or GL-5

Recommended oil viscosity:

SAE 75W-90

AUTOMATIC TRANSMISSION

Fluid capacity (drain and refill),

L (qt., Imp. qt.):

Up to 1.9 (2.0, 1.7)

Fluid type:

Automatic transmission fluid D-II

or DEXRON®III (DEXRON®II)

DIFFERENTIAL

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

Front

With front and rear differential

lock system 2.65 (2.8, 2.3)

Without front and rear differential

lock system 2.80 (3.0, 2.5)

Rear 3.25 (3.4, 2.9)

Oil type:

Hypoid gear oil API GL-5

Recommended oil viscosity:

Above—18°C (0°F)

SAE 90

Below—18°C (0°F)

SAE 80W or 80W-90

CHASSIS LUBRICATION

Wheel bearings:

Lithium base wheel bearing grease,

NLGI No. 2

Steering knuckles:

Molybdenum-disulfide lithium base

chassis grease, NLGI No. 2

Propeller shafts:

Lithium base wheel bearing grease,

NLGI No. 2

BRAKES

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

68 (2.7)

Pedal freeplay, mm (in.):

3—6 (0.12—0.24)

Pad wear limit, mm (in.):

4.0 (0.16)

Lining wear limit, mm (in.):

1.5 (0.06)

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 freeplay:

Less than 40 mm (1.6 in.)

Power steering fluid type:

Automatic transmission fluid

DEXRON®II or III

Tires

Tire size:

P275/70R16 114H

Tire pressure, kPa (kgf/cm² or bar, psi):

Normal driving

Front 220 (2.2, 32)

Rear 220 (2.2, 32)

Trailer towing

Front 220 (2.2, 32)

Rear 240 (2.4, 35)

Wheel size:

16 x 8JJ

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

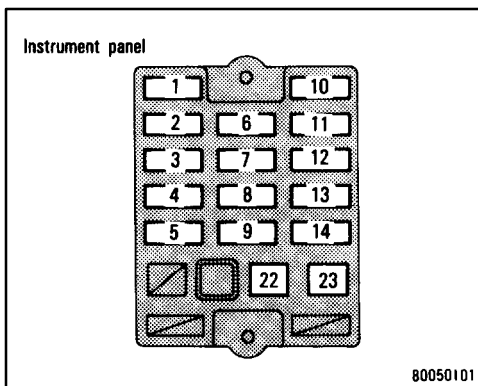
Steel wheels

147 (15, 108)

Aluminum wheels

103 (10.5, 76)

Fuses



Fuses (type A)

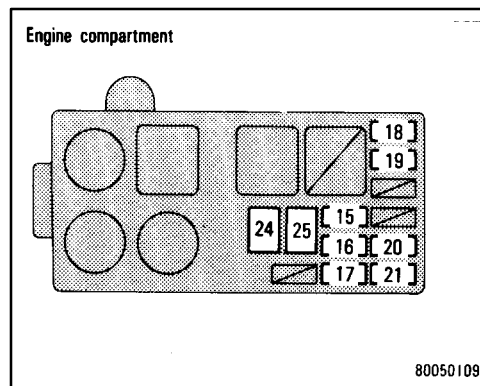
1. CIG 15 A: Cigarette lighter, power rear view mirrors, digital clock display, radio, cassette tape player, power antenna, automatic transmission shift lock system, SRS airbag system

2. TAIL 15 A: Tail lights, license plate lights, parking and front side marker lights, instrument panel lights, clock, glovebox light

3. OBD 15 A: On-board diagnosis system

4. STOP 10 A: Stop lights, multiport fuel injection system/sequential multiport fuel injection system, cruise control cancel device, automatic transmission shift lock system

5. DEFOG 20 A: Rear window defogger



6. WIPER 20 A: Windshield wipers and washer, rear window wiper and washer

7. GAUGE 10 A: Gauges and meters, service reminder indicators and warning buzzers (except discharge and open door warning lights), back-up lights

8. TURN 7.5 A: Turn signal lights

9. ECU-IG 15 A: Cruise control system

10. ECU-B 10 A: SRS airbag system

11. REAR-HTR 20 A: Air conditioning system

12. IGN 7.5 A: Multiport fuel injection system/sequential multiport fuel injection system, emission control system, SRS airbag system

13. A.C 10 A: Air conditioning system

- 14. DIFF 30 A:** Differential lock system
- 15. CHARGE 7.5 A:** Charging system, discharge warning light
- 16. EFI 15 A:** Multiport fuel injection system/sequential multiport fuel injection system
- 17. CDS-FAN 20 A:** No circuit
- 18. HEAD (RH) 15 A:** Right-hand headlights
- 19. HEAD (LH) 15 A:** Left-hand headlights
- 20. HAZ-HORN 15 A:** Emergency flashers, horns
- 21. DOME 10 A:** Interior lights, personal light, luggage compartment light, ignition switch light, open door warning light, clock, radio, cassette tape player, power antenna, vanity lights

Fuses (type B)

- 22. FL HEATER 40 A:** Air conditioning system
- 23. FL POWER 30 A:** Power windows, power door lock system, electric moon roof.

Fuses (type C)

- 24. AM 1 50 A:** All components in “CIG”, “WIPER”, “GAUGE”, “TURN”, “ECU-IG”, “REAR-HTR”, “IGN”, “DIFF” and “FL POWER” circuits
- 25. ABS 60 A:** Anti-lock brake system

