

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.)	1870 (73.6)* ¹
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)* ²

*1: Unladen vehicle

*2: With third seats

Engine

Model:

1FZ-FE

Type:

6cylinder in line, 4 cycle, gasoline

Bore and stroke, mm (in.):

100.0 X 95.0 (3.94 x 3.74)

Displacement, cm (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. pt.)

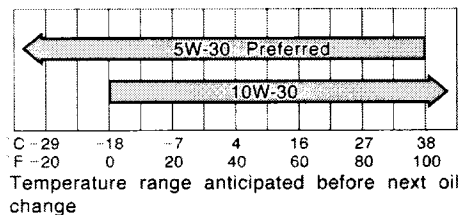
With filter 7.2 (7.6, 6.3)

Without filter 6.9 (7.3, 6.1)

Oil grade:

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

Recommended oil viscosity (SAE):



60040Z04

COOLING SYSTEM

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

With rear heater

13.7 (14.5, 12.1)

With front and rear heater

14.7 (15.5, 12.9)

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 2.75 (2.9, 2.4)

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:

Molybdenm-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.):

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 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):

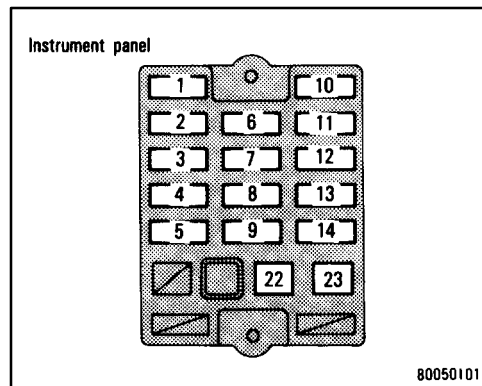
Steel wheels

147 (15, 108)

Aluminum wheels

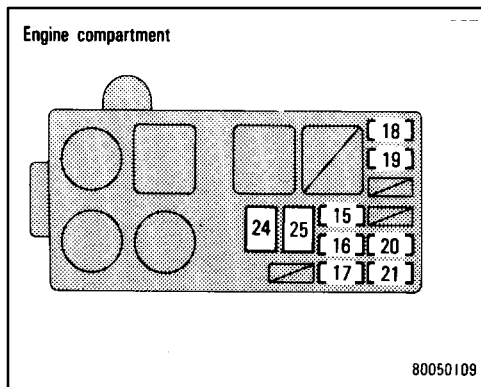
103 (10.5, 76)

Fuses



fuses (type A)

- 1. CIG 15A:** 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 10A:** 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-F AN 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", "IN", "DIFF" and "FL POWER" circuits
25. **ABS 60 A:** Anti-lock brake system

