

Part 8

SPECIFICATIONS

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Dimensions and weight

Overall length	mm (in.)	4515 (177.7)
Overall width	mm (in.)	1810 (71.3)
Overall height	mm (in.)	1275 (50.2)*
Wheelbase	mm (in.)	2550 (100.4)
Front tread	mm (in.)	1520 (59.9)
Rear tread	mm (in.)	1525 (60.1)
Vehicle capacity weight (occupants + luggage)	kg (lb.)	330 (725)

*: Unladen vehicle

Engine

Model:

2JZ-GE and 2JZ-GTE

Type:

2JZ-GE engine

6 cylinder in line, 4 cycle, gasoline

2JZ-GTE engine

6 cylinder in line, 4 cycle, gasoline

(with turbocharger)

Bore and stroke, mm (in.):

86.0 x 86.0 (3.39 x 3.39)

Displacement, cm³ (cu. in.):

2997 (182.9)

Fuel

Fuel type:

Premium unleaded gasoline, Research Octane Number 96 (Octane Rating 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 0.15—0.25 (0.006—0.010)

Exhaust 0.25—0.35 (0.010—0.014)

Spark plug type:

2JZ-GE engine

NIPPONDENSO PK16R11

NGK BKR5EP11

2JZ-GTE engine

NIPPONDENSO PK20R11

NGK BKR6EP11

Spark plug gap, mm (in.):

1.1 (0.043)

ENGINE LUBRICATION

Oil capacity (drain and refill),

L (qt., Imp. qt.):

2JZ-GE engine

With filter 5.2 (5.5, 4.6)

Without filter 4.9 (5.2, 4.3)

2JZ-GTE engine

With filter 5.0 (5.3, 4.4)

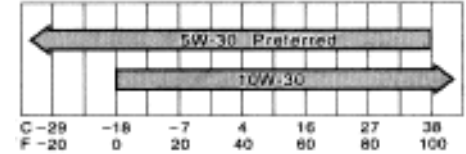
Without filter 4.7 (5.0, 4.1)

Oil grade:

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

Recommended oil viscosity (SAE):

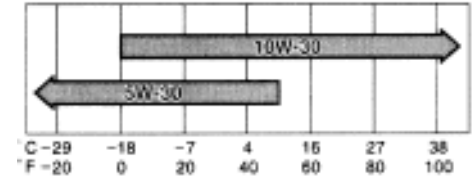
2JZ-GE engine



Temperature range anticipated before next oil change.

L70010

2JZ-GTE engine



Temperature range anticipated before next oil change.

L70009

COOLING SYSTEM

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

2JZ-GE engine

With manual transmission

7.3 (7.7, 6.4)

With automatic transmission

8.3 (8.8, 7.3)

2JZ-GTE engine

With manual transmission

8.9 (9.4, 7.8)

With automatic transmission

8.8 (9.3, 7.7)

Coolant type:

With ethylene-glycol antifreeze

(Do not use alcohol type.)

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:

5 A max.

CLUTCH

Pedal freeplay, mm (in.):

5—15 (0.2—0.6)

Fluid type:

SAE J1703 or FMVSS No. 116

DOT 3

MANUAL TRANSMISSION

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

5-speed 2.6 (2.7, 2.3)

6-speed 1.8 (1.9, 1.6)

Oil type:

5-speed

Multipurpose gear oil API GL-4
or GL-5

6-speed

ESSO ATF DEXRON® D-21065,
TOYOTA GEAR OIL V160 or
equivalent

Recommended oil viscosity:

SAE 75W-90

AUTOMATIC TRANSMISSION

Fluid capacity (drain and refill),

L (qt., Imp. qt.):

2JZ-GE engine Up to 1.6 (1.7, 1.4)

2JZ-GTE engine Up to 1.9 (2.0, 1.7)

Fluid type:

2JZ-GE engine

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

2JZ-GTE engine

Automatic transmission fluid
TYPE T-II or equivalent

DIFFERENTIAL

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

1.35 (1.43 1.19)

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

BRAKES

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

2JZ-GE engine 72 (2.8)

2JZ-GTE engine 70 (2.8)

Pedal freeplay, 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):

5—8 clicks

Fluid type:

SAE J1703 or FMVSS No. 116
DOT 3

STEERING

Wheel freeplay:

Less than 30 mm (1.2 in.)

Power steering fluid type:

Automatic transmission fluid
DEXRON®II or III

Tires

Tire size:

Spare tire

T145/70 R 17

Except spare tire

2JZ—GE engine

225/50R 16 92V (for front use only)

245/45R 16 94V (for rear use only)

2JZ—GTE engine

235/45ZR 17 (for front use only)

255/40ZR 17 (for rear use only)

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

Spare tire 420 (4.2, 60)

Except spare tire 230 (2.3, 33)

Wheel size:

225/50R 16 92V 16 x 8JJ

245/45R 16 94V 16 x 9JJ

235/45ZR 17 17 x 8JJ

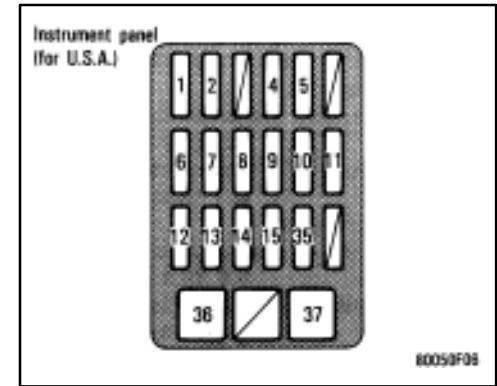
255/40ZR 17 17 x 9.5JJ

T145/70R 17 17 x 4T

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

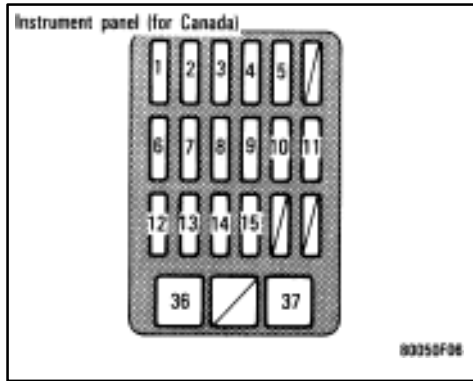
103 (10.5, 76)

Fuses

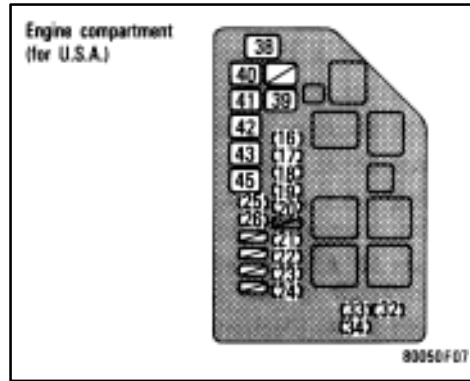


Fuses (type A)

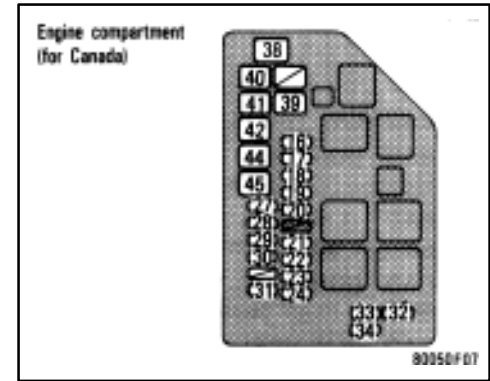
- 1. WIPER 20 A:** Windshield wipers and washer, rear window wiper and washer
- 2. HTR 7.5 A:** Air conditioning system
- 3. SEAT—HTR 15 A:** Seat heater
- 4. ST 7.5 A:** Starter system
- 5. IGN 7.5 A:** Charging system, discharge warning light, multipoint fuel injection system/sequential multipoint fuel injection system, SRS airbag system
- 6. PANEL 10 A:** Instrument panel lights, instrument panel lights control
- 7. MIR—HTR 10 A:** Mirror heaters
- 8. TURN 7.5 A:** Turn signal lights



- 9. **STOP 15 A:** Stop lights, cruise control system cancel device
- 10. **CIG 15 A:** cigarette lighter, air conditioning system, SRS airbag system, theft deterrent system, shift lock control system
- 11. **RAD NO.2 7.5 A:** Radio, cassette tape player, power antenna
- 12. **TAIL 10 A:** Tail lights, parking lights, front side marker lights, rear side marker lights, licence plate lights
- 13. **ECU-IG 10A:** Cruise control system, anti-lock brake system, power steering, power antenna, theft deterrent system, shift lock control system, traction control system



- 14. **GAUGE 10A:** Gauges and meters, service reminder indicators and warning buzzers (except discharge and open door warning lights), rear window defogger, charging system, cruise control system, electronically controlled automatic transmission system, traction control system
- 15. **ECU-B 10 A:** Air conditioning system, cruise control system, anti-lock brake system, SRS airbag system, traction control system
- 16. **EFI NO.2 30 A):** Multipoint fuel injection system/sequential multipoint fuel injection system



- 17. **EFI NO.1 30A:** Multipoint fuel injection system/sequential multipoint fuel injection system
- 18. **AM2 30 A:** Starter system
- 19. **FOG 15 A:** Front fog lights
- 20. **HAZ-HORN 15 A:** Emergency flashers, horns
- 21. **TRAC 7.5 A:** Traction control system
- 22. **ALT-S 7.5 A:** Charging system
- 23. **DOM 7.5 A:** Interior lights, personal lights, door courtesy lights, luggage compartment light, ignition switch light, open door warning light, theft deterrent system, daytime running light system

- 24.RAD NO.1 20 A:** Radio cassette tape player
- 25.HEAD (RH) 15 A:** Right-hand headlight
- 26.HEAD (LH) 15 A:** Left-hand headlight
- 27.HEAD (RH-LWR) 15 A:** Right-hand headlight (low beam)
- 28.HEAD (LH-LWR) 15 A:** Left-hand headlight (low beam)
- 29.HEAD (RH-UPR) 15 A:** Right-hand headlight (high beam)
- 30.HEAD (LH-UPR) 15 A:** Left-hand headlight (high beam)
- 31.DRL 7.5 A:** Daytime running light system
- 32.30 A:** Spare fuse
- 33.7.5 A:** Spare fuse
- 34.15 A:** Spare fuse
- 35.OBD-II 7.5 A:** On-board diagnosis system

Fuses (type B)

- 36.DOOR 30 A:** Power window, power door lock system, theft deterrent system
- 37.DEFOG 30 A:** Rear window defogger

Fuses (type C)

- 38.ALT 120 A:** Charging system
- 39.MAIN 50 A:** Starter system, headlights
- 40.HTR 50 A:** Air conditioning system
- 41.FAN 30 A:** Electric cooling fan
- 42.ABS NO.1 60 A:** Anti-lock brake system, traction control system
- 43.AM1 50 A:** Electronic ignition system/distributor ignition system
- 44.AM1 60 A:** Electronic ignition system/distributor ignition system
- 45.POWER 60 A:** "PANEL", "STOP", "TAIL", "ECU-B", "DEFOG" and "DOOR" fuses