

## 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.) | 1265 ( 49.8)* <sup>1</sup><br>1275 ( 50.2)* <sup>2</sup> |
| Wheelbase                                        | mm (in.) | 2550 (100.4)                                             |
| Front tread                                      | mm (in.) | 1520 ( 59.9)                                             |
| Rear tread                                       | mm (in.) | 1525 ( 60.1)                                             |
| Vehicle capacity weight<br>(occupants + luggage) | kg (lb.) | 330 (725)                                                |

\*1: Unladen vehicle plus two occupants

\*2: 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, cm<sup>3</sup> (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)

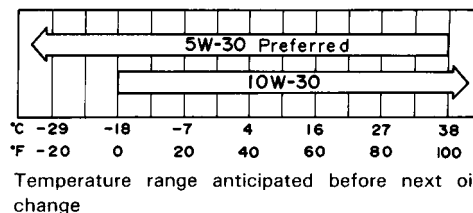
Without filter 4.7 (5.0, 4.1)

Oil grade:

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

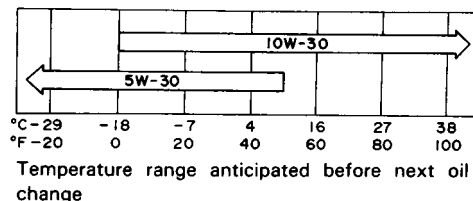
Recommended oil viscosity (SAE):

2JZ-GE engine



80040-L03 U

2JZ-GTE engine



80040-L02 U

## 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

9.5 (10.0, 8.4)

With automatic transmission

9.4 (9.9, 8.3)

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

(2JZ-GE engine only)

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

2.6 (2.7, 2.3)

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.):

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 DII or 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, 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:

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 (for front use only)

245/50R 16 (for rear use only)

2JZ-GTE engine

235/45 ZR 17 (for front use only)

255/40 ZR 17 (for rear use only)

**Tire pressure, kPa (kgf/cm<sup>2</sup> or bar, psi):**

Spare tire

420 (4.2, 60)

Except spare tire

225/50 ZR 16

230 (2.3, 33)

others

250 (2.5, 36)

**Wheel size:**

225/50 ZR 16

16 x 8JJ

245/50 ZR 16

16 x 9JJ

235/45 ZR 17

17 x 8JJ

255/40 ZR 17

17 x 9.5JJ

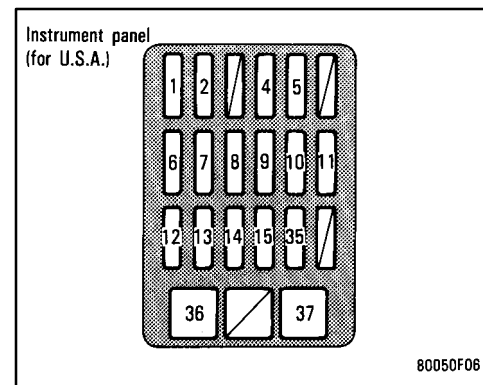
T145/70 R 17

17 x 4T

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

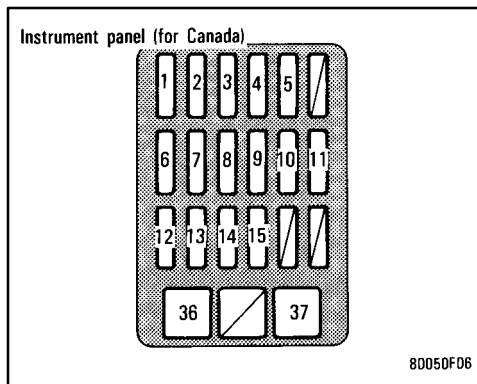
103 (10.5, 76)

## 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 7.5 A:** Seat heater
- 4. ST 7.5 A:** Starter system
- 5. IGN 7.5 A:** Charging system, discharge warning light, multiport fuel injection system/sequential multiport 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



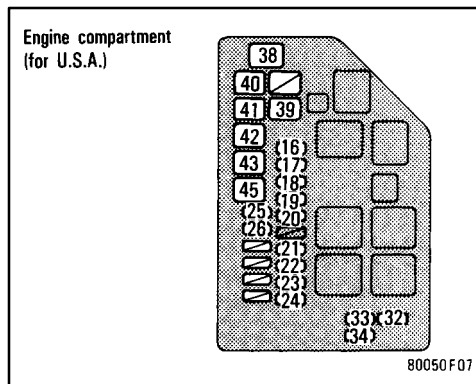
**9. STOP 15 A:** Stop lights, cruise control system cancel device

**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

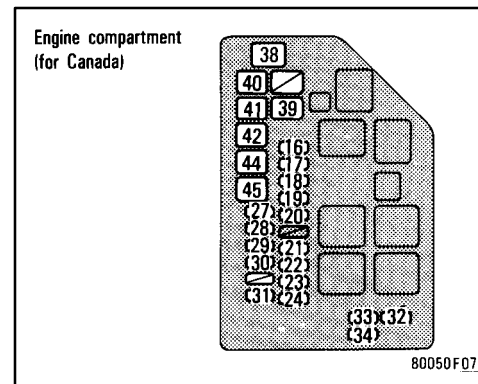
**13. ECU-IG 10 A:** Cruise control system, anti-lock brake system, power steering, power antenna, theft deterrent system, shift lock control system, traction control system



**14. GAUGE 10 A:** 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. EFINO.2 30 A:** Multiport fuel injection system/sequential multiport fuel injection system



**17. EFINO.1 30 A:** Multiport fuel injection system/sequential multiport 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. DOME 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