

# Part 8

## SPECIFICATIONS

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### Dimensions and weight

		Sedan	Wagon
Overall length	mm (in.)	4370 (172.0)	4370 (172.0)
Overall width	mm (in.)	1685 ( 66.3)	1685 ( 66.3)
Overall height	mm (in.)	1360 ( 53.5)* <sup>1</sup>	1405 ( 55.3)* <sup>1</sup>
	mm (in.)	1380 ( 54.3)* <sup>2</sup>	1425 ( 56.1)* <sup>2</sup>
Wheelbase	mm (in.)	2465 (97.0)	2465 (97.0)
Front tread	mm (in.)	1460 ( 57.5)	1460 ( 57.5)
Rear tread	mm (in.)	1450 ( 57.1)	1450 ( 57.1)
Vehicle capacity weight (occupants + luggage)	kg (lb.)	385 (850)	385 (850)

\*1: Unladen vehicle plus two occupants

\*2: Unladen vehicle

## Engine

Model:

4A-FE and 7A-FE

Type:

4 cylinder in line, 4 cycle, gasoline

Bore and stroke, mm (in.):

4A-FE engine

81.0 x 77.0 (3.19 x 3.03)

7A-FE engine

81.0 x 85.5 (3.19 x 3.37)

Displacement, cm<sup>3</sup> (cu. in.):

4A-FE engine 1587 (96.8)

7A-FE engine 1762 (107.5)

## Fuel

Fuel type:

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

Fuel tank capacity, L (gal., Imp. gal.):

50 (13.2, 11.0)

## 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 Borroughs drive belt tension gauge No. BT-33-73F (used belt), lbf:

Generator belt 115 ± 20

Air conditioning  
compressor belt 100 ± 20

Power steering  
pump belt 80 ± 20

### ENGINE LUBRICATION

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

4A-FE engine

With filter 3.0 (3.2, 2.6)

Without filter 2.8 (3.0, 2.5)

7A-FE engine

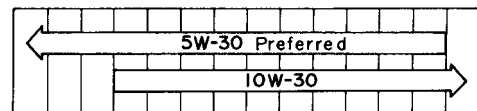
With filter 3.7 (3.9, 3.3)

Without filter 3.5 (3.7, 3.1)

Oil grade:

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

Recommended oil viscosity (SAE):



Temperature range anticipated before next oil change

80040-L03U

## COOLING SYSTEM

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

4A-FE engine

NIPPONDENSO RADIATOR

Manual transmission 5.3 (5.6, 4.7)

Automatic transmission 5.9 (6.2, 5.2)

HARRISON RADIATOR

Manual transmission 6.0 (6.3, 5.3)

Automatic transmission 5.9 (6.2, 5.2)

7A-FE engine

NIPPONDENSO RADIATOR

Manual transmission 5.5 (5.8, 4.8)

Automatic transmission 6.2 (6.6, 5.5)

HARRISON RADIATOR

Manual transmission 6.2 (6.6, 5.5)

Automatic transmission 6.1 (6.4, 5.4)

Coolant type:

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

## BATTERY

—Maintenance type battery

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

1.260 Fully charged

1.160 Half charged

1.060 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

## CLUTCH

Pedal freeplay, mm (in.):

5—15 (0.2—0.6)

Fluid type:

SAE J1703 or FMVSS No. 116 DOT 3

## MANUAL TRANSAXLE

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

1.9 (2.0, 1.7)

Oil type:

Multipurpose gear oil API GL-4 or GL-5

Recommended oil viscosity:

SAE 75W-90

## AUTOMATIC TRANSAXLE

(4-speed type)

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

Up to 3.1 (3.3, 2.7)

Fluid type:

Automatic transmission fluid DII or DEXRON® III (DEXRON® II)

## AUTOMATIC TRANSMISSION

(3-speed type)

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

Up to 2.5 (2.6, 2.2)

Fluid type:

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

## DIFFERENTIAL

### (3-speed type automatic transmission)

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

1.4 (1.5, 1.2)

Fluid type:

Automatic transmission fluid DEX-  
RON®II

## BRAKES

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

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):

4—7 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 DEX-  
RON®-II or-III

## Tires

### Tire size:

Spare tire

T115/70D14

T135/70D15

175/65R14 82S

P175/65R14 81S

185/65R14 85S

185/65R14 86S

P185/65R14 85S

Except spare tire

175/65R14 82S

P175/65R14 81S

185/65R14 85S

185/65R14 86S

P185/65R14 85S

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

T115/70D14 420 (4.2, 60)

T115/70D15 420 (4.2, 60)

175/65R14 82S 210 (2.1, 30)

P175/65R14 81S 210 (2.1, 30)

185/65R14 85S 210 (2.1, 30)

185/65R14 86S 210 (2.1, 30)

P185/65R14 85S 210 (2.1, 30)

### Wheel size:

T115/70D14 14 x 4T

T135/70D15 15 x 4T

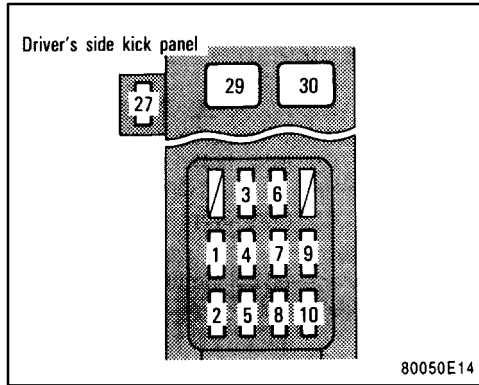
Other tires 14 x 5.5J

14 x 5.5JJ

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

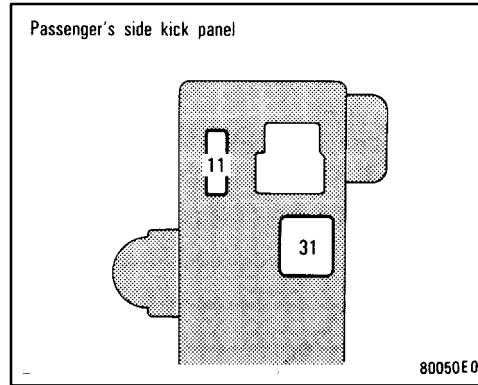
103 (10.5, 76)

# Fuses

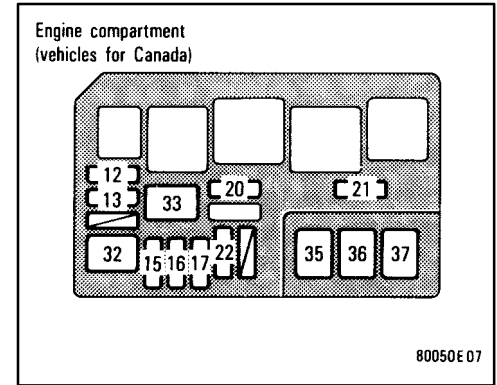


## Fuses (type A)

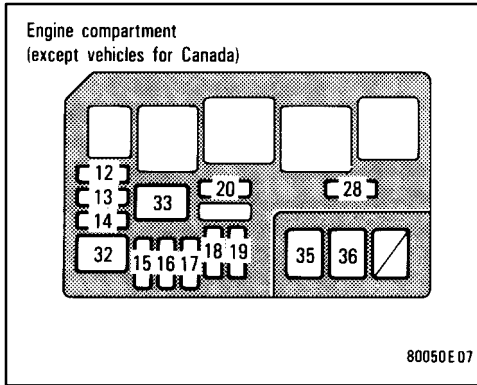
- 1. CIG & RADIO 20 A:** Cigarette lighter, digital clock display, air conditioning system, radio, cassette tape player, power rear view mirrors, automatic transmission shift lock system, theft deterrent system, SRS airbags
- 2. TAIL 15 A:** Tail lights, parking lights, license plate lights, instrument panel lights, daytime running light system
- 3. IGN 10 A:** Multiport fuel injection system/sequential multiport fuel injection system, discharge warning light, SRS airbags
- 4. ECU-B 10 A:** Daytime running light system, cruise control system



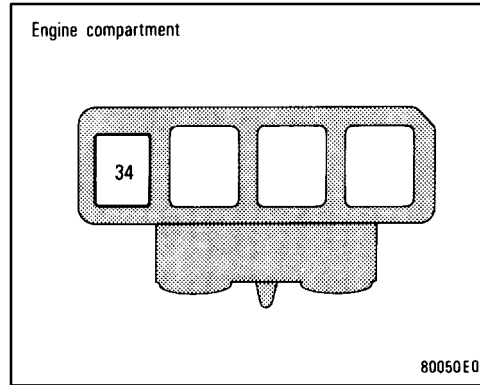
- 5. DEF-I/UP 7.5 A:** Multiport fuel injection system/sequential multiport fuel injection system
- 6. STOP 15 A:** Stop lights, high mounted stoplight, cruise control system, automatic transmission shift lock system, anti-lock brake system
- 7. TURN 7.5 A:** Turn signal lights
- 8. ECU-IG 15 A:** Starting system, anti-lock brake system, automatic transmission shift lock system



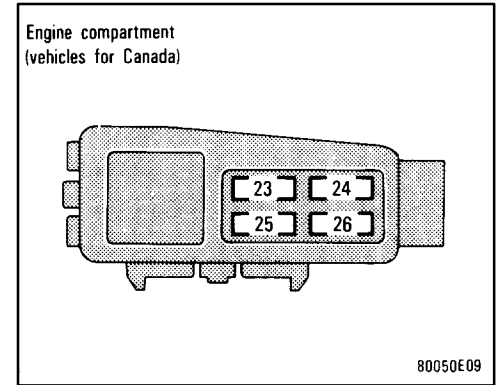
- 9. GAUGE 10 A:** Gauges and meters, service reminder indicators (except discharge and open door warning lights), back-up light, air conditioning system, daytime running light system, electronically controlled automatic transmission system
- 10. WIP 20 A:** Windshield wipers and washer, rear window wiper and washer
- 11. A/C 15 A:** Air conditioning system
- 12. DOME 20 A:** Interior light, luggage compartment light, trunk light, clock, open door warning light, radio, cassette tape player, anti-lock brake system, theft deterrent system, electric sun roof
- 13. HAZ-HORN 20 A:** Emergency flashers, horns



- 14. FAN-I/UP 7.5 A:** Multiport fuel injection system/sequential multiport fuel injection system
- 15. SPARE 7.5 A:** Spare fuse
- 16. SPARE 15 A:** Spare fuse
- 17. SPARE 20 A:** Spare fuse
- 18. HEAD (RH) 15 A:** Right-hand headlight
- 19. HEAD (LH) 15 A:** Left-hand headlight
- 20. ALT-S 7.5 A:** Charging system
- 21. EFI, F-HTR 15 A:** Multiport fuel injection system/sequential multiport fuel injection system, electronically controlled automatic transmission system
- 22. DRL 7.5 A:** Daytime running light system



- 23. HEAD (LH-UPR) 10 A:** Left-hand headlight (high beam)
- 24. HEAD (LH-LWR) 10 A:** Left-hand headlight (low beam)
- 25. HEAD (RH-UPR) 10 A:** Right-hand headlight (high beam)
- 26. HEAD (RH-LWR) 10 A:** Right-hand headlight (low beam)
- 27. OBD 7.5 A:** On-board diagnosis system
- 28. EFI 15 A:** Multiport fuel injection system/sequential multiport fuel injection system, electronically controlled automatic transmission system



### Fuses (type B)

- 29. POWER 30 A:** Power windows, power door lock system, electric sun roof
- 30. DEF 30 A:** Rear window defogger
- 31. HEATER 40 A:** Air conditioning system
- 32. AM 2 30 A:** Starting system and "IGN" fuse
- 33. FAN 30 A:** Electric cooling fan and "FAN-I/UP" fuse
- 34. CDS 30 A:** Electric cooling fan

### **Fuses (type C)**

**35. AM1 40 A:** "CIG & RADIO", "GAUGE", "TURN", "ECU-IG", "WIP", "DEF" and "OBD" fuses

**36. ALT 100 A:** Tail lights, "DEF", "STOP", "ECU-B" and "AM 1" fuses

**37. ABS 50 A:** Anti-lock brake system

