

## ***SECTION 9***

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### **SPECIFICATIONS**

#### **Specifications**

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### Dimensions and weight

Overall length	mm (in.)	4445	(175.0)
Overall width	mm (in.)	1725	(67.9)
Overall height	mm (in.)	1490	(58.7)*
Wheelbase	mm (in.)	2700	(106.3)
Front tread	mm (in.)	1505	(59.3)
Rear tread	mm (in.)	1480	(58.3)
Vehicle capacity weight (occupants + luggage)	kg (lb.)	365	(810)

\*: Unladen vehicle

### Electric motor

Type: Permanent magnet synchronous motor (water cooling)

Maximum output:/rpm:  
50 kW

Maximum torque:  
400 N·m (40.8 kgf·m, 295 ft·lbf)

### Engine

Model: 1.5 L 4-cylinder (1NZ-FXE)

Type: 4-cylinder in line, 4 cycle, gasoline

Bore and stroke, mm (in.):  
75.0 x 84.7 (2.95 x 3.33)

Displacement, cm<sup>3</sup> (cu. in.):  
1497 (91.4)

## **Fuel**

Fuel type:

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

Fuel tank capacity, L (gal., Imp.gal.):  
45 (11.9, 9.9)

## **Hybrid battery**

Type: Nickel–Metal hydride battery

Voltage: 7.2 V

Capacity: 6.5 Ah (3HR)

Quantity: 28

Overall voltage: 201.6 V

## **Service specifications**

### **ENGINE**

Valve clearance (engine cold), mm (in.):

Intake 0.17 – 0.23 (0.007 – 0.009)

Exhaust 0.27 – 0.33 (0.011 – 0.013)

Spark plug type:

DENSO SK16R11

NGK IFR5A11

Spark plug gap, mm (in.):

1.1 (0.043)

### ENGINE LUBRICATION

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

With filter	3.7 (3.9, 3.3)
Without filter	3.4 (3.6, 3.0)

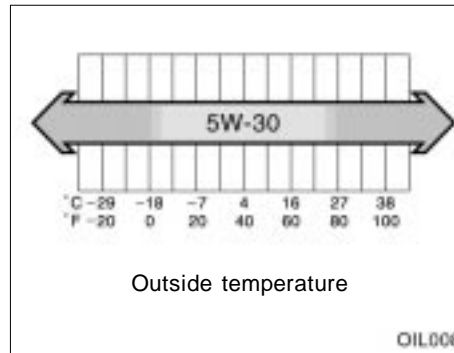
“Toyota Genuine Motor Oil” is used in your Toyota vehicle. Use Toyota approved “Toyota Genuine Motor Oil” or equivalent to satisfy the following grade and viscosity.

Oil grade:

ILSAC multigrade engine oil

Recommended oil viscosity:

SAE 5W-30



Please contact your Toyota dealer for further details.

### COOLING SYSTEM

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

For gasoline engine	8.6 (9.0, 7.5)
For electric motor and inverter and converter	2.7 (2.9, 2.4)

Coolant type:

“Toyota Super Long Life Coolant” is used in your Toyota vehicle at factory fill. In order to avoid technical problems, only use “Toyota Super Long Life Coolant” or similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology. (Coolant with long-life hybrid organic acid technology is a combination of low phosphates and organic acids.)

Do not use plain water alone.

Please contact your Toyota dealer for further details.

## **12 VOLT BATTERY**

Open voltage at 20°C (68°F):

12.6 – 12.8 V	Fully charged
12.2 – 12.4 V	Half charged
11.5 – 11.9 V	Discharged

[Voltage that is checked 20 minutes after the key is removed with all the lights turned off]

Charging rates: 3.5 A max.

## **HYBRID TRANSAXLE**

Fluid capacity (drain and refill),

L (qt., Imp.qt.):  
3.6 (3.8, 3.2)

Fluid type:

"Toyota Genuine ATF WS" or  
equivalent

Please contact your Toyota dealer for further details.

## **BRAKES**

Minimum pedal clearance when depressed with the force of 196 N (20 kgf, 44 lbf) with the traction motor running, mm (in.):  
101.0 (3.98)

Pedal free play, mm (in.):  
1 – 4 (0.04 – 0.16)

Parking brake adjustment when depressed with the force of 294 N (30 kgf, 66 lbf):  
6 – 9 clicks

Fluid type:  
SAE J1703 or FMVSS No. 116 DOT 3

## **STEERING**

Wheel free play:  
Less than 30 mm (1.2 in.)

## Tires

### Tire size and inflation pressure:

Standard

Tire size	Cold tire inflation pressure kPa (kgf/cm <sup>2</sup> or bar, psi)		Wheel size
	Front	Rear	
P185/65R15 86S	240 (2.4, 35)	230 (2.3, 33)	15 × 6 JJ
P195/55R16 86V			16 × 6 JJ

Spare

Tire size	Cold tire inflation pressure kPa (kgf/cm <sup>2</sup> or bar, psi)	Wheel size
T125/70D16 96M	420 (4.2, 60)	16 X 4T

**Wheel nut torque, N·m (kgf·m, ft·lbf):** 103 (10.5, 76)

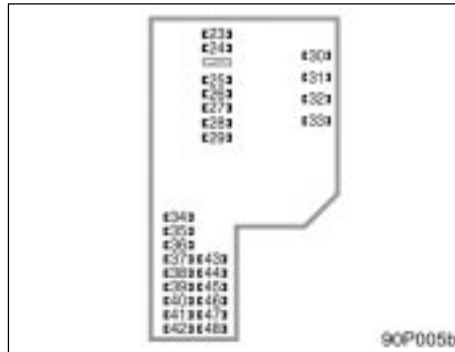
NOTE: For a complete information on tires (e.g. replacing tires or replacing wheels), see "Checking tire inflation pressure" through "Aluminum wheel precautions", page 409 through 416.

## Fuses



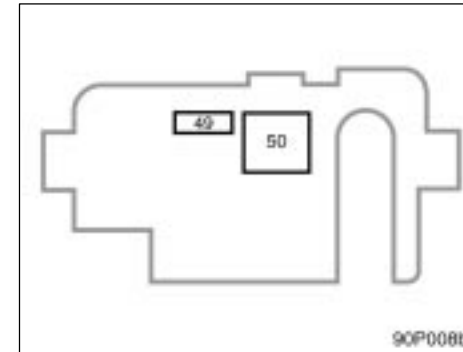
Instrument panel

1. **PWR 30 A:** Power windows
2. **DEF 40 A:** Rear window defogger
3. **M/HTR 15 A:** Outside rear view mirror heater
4. **WIP 30 A:** Windshield wiper
5. **RR WIP 15 A:** Rear wiper
6. **WSH 20 A:** Washer
7. **ECU-IG 7.5 A:** Smart entry and start system, power windows, multi-information display, electric power steering, theft deterrent system



Engine compartment

8. **GAUGE 10 A:** Gauge and meter, back-up lights, emergency flasher, power windows
9. **OBD 7.5 A:** On-board diagnosis system
10. **STOP 7.5 A:** Stop lights
11. **DOOR 25 A:** Power door lock system
12. **ACC-B 25 A:** "POWER OUTLET", "ACC" fuses
13. **ECU-B 15 A:** Multi-information display, power windows, air conditioning system
14. **AM1 7.5 A:** Hybrid system



Luggage compartment

15. **TAIL 10 A:** Tail lights, license plates light, parking lights
16. **PANEL 7.5 A:** Multi-information display, clock, audio system, instrument panel lights
17. **A/C (HTR) 10 A:** Air conditioning system
18. **FR DOOR 20 A:** Power windows
19. **PWR OUTLET 15 A:** Power outlet
20. **ACC 7.5 A:** Audio system, multi-information display, clock
21. **PWR OUTLET FR 15 A:** Power outlet

22. **IGN 7.5 A:** Hybrid system, hybrid vehicle immobilizer system, SRS airbags
23. **SPARE 30 A:** Spare
24. **SPARE 15 A:** Spare
25. **DRL 7.5 A:** Daytime running light system
26. **H-LP LO RH 15 A (Vehicles with discharged headlight) or 10 A (Vehicles with halogen headlight):** Right-hand headlight (low beam)
27. **H-LP LO LH 15 A (Vehicles with discharged headlight) or 10 A (Vehicles with halogen headlight):** Left-hand headlight (low beam)
28. **H-LP HI RH 10 A:** Right-hand headlight (high beam)
29. **H-LP HI LH 10 A:** Left-hand headlight (high beam)
30. **EFI 15 A:** Multiport fuel injection system/sequential multiport fuel injection system
31. **AM2 15 A:** "IGN" fuse, ignition system
32. **HORN 10 A:** Horn
33. **HEV 20 A:** Hybrid system
34. **P CON MAIN 7.5 A:** Parking control system, hybrid vehicle immobilizer system
35. **ABS-1 25 A:** Anti-lock brake system
36. **ETCS 10 A:** Electronic throttle control system
37. **BATT FAN 10 A:** Battery cooling fan
38. **HAZ 10 A:** Turn signal lights, emergency flasher
39. **DOME 15 A:** Audio system, interior lights, smart entry and start system, gauge and meter, turn signal lights, luggage room light, clock
40. **ABS MAIN3 15 A:** Anti-lock brake system
41. **ABS MAIN2 10 A:** Anti-lock brake system
42. **ABS MAIN1 10 A:** Anti-lock brake system
43. **FR FOG 15 A:** Fog lights
44. **CHS W/P 10 A:** CHS W/P
45. **AMP 30 A:** Audio system
46. **PTC HTR2 30 A:** PTC heater
47. **PTC HTR1 30 A:** PTC heater
48. **CDS FAN 30 A:** Electric cooling fan
49. **DC/DS-S 5 A:** Inverter and converter
50. **MAIN 120 A:** Hybrid system