

## 4-3. Do-it-yourself maintenance

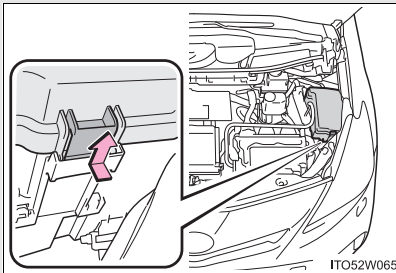
### Checking and replacing fuses

If any of the electrical components do not operate, a fuse may have blown. If this happens, check and replace the fuses as necessary.

**STEP 1** Turn the "POWER" switch off.

**STEP 2** Open the fuse box cover.

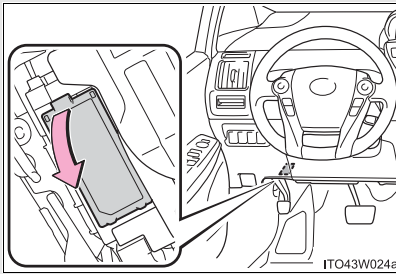
#### Engine compartment



Push the tab in and lift the lid off.

When closing, first hook the lid onto the two rear tabs.

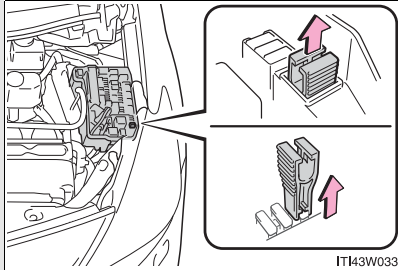
#### Left side instrument panel



Remove the lid.

**STEP 3** After a system failure, see "Fuse layout and amperage ratings" (→P. 411) for details about which fuse to check.

**STEP 4** Remove the fuse.

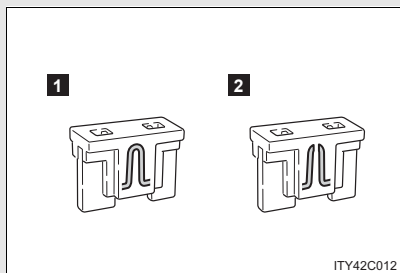


IT143W033

Only type A fuse can be removed using the pullout tool.

**STEP 5** Check if the fuse is blown.

**Type A**



ITY42C012

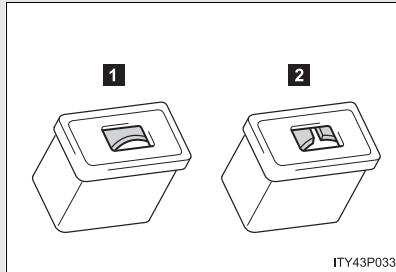
**1** Normal fuse

**2** Blown fuse

Replace the blown fuse with a new fuse of an appropriate amperage rating. The amperage rating can be found on the fuse box lid.

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#### Type B



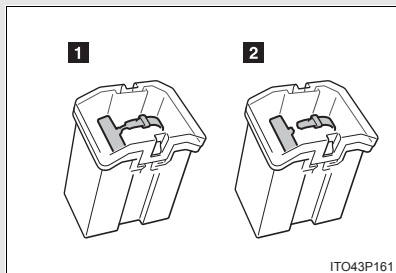
ITY43P033

**1** Normal fuse

**2** Blown fuse

Replace the blown fuse with a new fuse of an appropriate amperage rating. The amperage rating can be found on the fuse box lid.

#### Type C



ITO43P161

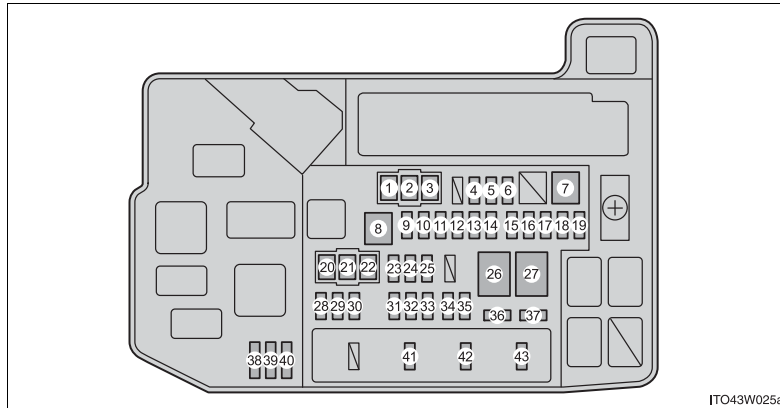
**1** Normal fuse

**2** Blown fuse

Replace the blown fuse with a new fuse of an appropriate amperage rating. The amperage rating can be found on the fuse box lid.

**Fuse layout and amperage ratings**

■ **Engine compartment**



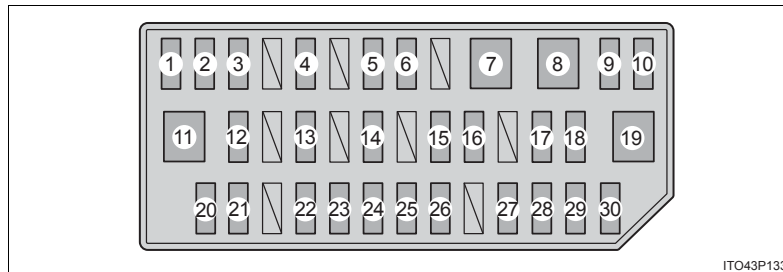
FUSE	Ampere	Circuit
1	50A	Air conditioning system
2	30A	Electric cooling fans
3	30A	Electric cooling fans
4	10A	No circuit
5	30A	Cooling system
6	7.5A	Anti-lock brake system
7	30A	Headlight cleaner
8	30A	P position control system, transmission
9	30A	Audio system
10	30A	PCU, IGCT NO.2, IGCT NO.3
11	5A	Inverter and converter

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	FUSE	Ampere	Circuit
12	P CON MAIN	7.5A	P position control system, transmission
13	AM2	7.5A	Power management system
14	ECU-B2	7.5A	Smart key system
15	MAYDAY	10A	MAYDAY
16	ECU-B3	10A	Air conditioning system
17	TURN & HAZ	10A	Turn signal lights
18	ETCS	10A	Multiport fuel injection system/ sequential multiport fuel injection system
19	ABS MAIN NO.1	20A	Anti-lock brake system
20	P/I 2	40A	Horn, right-hand headlight (low beam), left-hand headlight (low beam), back-up lights
21	ABS MTR 1	30A	Anti-lock brake system
22	ABS MTR 2	30A	Anti-lock brake system
23	H-LP HI MAIN	20A	H-LP HI RH, H-LP HI LH, headlight switch, daytime running light system
24	HV BATT	10A	No circuit
25	DRL	7.5A	Daytime running light system
26	P/I 1	60A	IG2, EFI MAIN, BATT FAN
27	EPS	60A	Electric power steering
28	PCU	10A	Inverter and converter
29	IGCT NO.2	10A	Hybrid system, P position control system, inverter and converter

	FUSE	Ampere	Circuit
30	MIR HTR	10A	Outside rear view mirror defoggers
31	RAD NO.1	15A	Audio system, navigation system
32	DOME	10A	Door courtesy lights, personal lights, interior lights, front foot lights, vanity lights, inside rear view mirror, garage door opener, overhead console
33	ECU-B	7.5A	Smart key system, multiplex communication system, personal lights, gauges and meters, occupant detection system (ECU and sensors)
34	H-LP LH HI	10A	Left-hand headlight (high beam)
35	H-LP RH HI	10A	Right-hand headlight (high beam)
36	EFI NO.2	10A	Multiport fuel injection system/ sequential multiport fuel injection system
37	IGCT NO.3	10A	Cooling system
38	SPARE	30A	Spare fuse
39	SPARE	10A	Spare fuse
40	SPARE	7.5A	Spare fuse
41	EFI MAIN	20A	Multiport fuel injection system/ sequential multiport fuel injection system, EFI NO.2
42	BATT FAN	10A	Battery cooling fan
43	IG2	20A	Multiport fuel injection system/ sequential multiport fuel injection system, MET-IGN, IGN, hybrid system

■ Left side instrument panel



	FUSE	Ampere	Circuit
1	CIG	15A	Power outlets
2	ECU-ACC	10A	Multiplex communication system, outside rear view mirrors, driver support system, audio system, navigation system
3	PWR OUTLET	15A	Power outlets
4	SEAT HTR FR	10A	Seat heater
5	SEAT HTR FL	10A	Seat heater
6	DOOR NO.1	25A	Power door lock system
7	PSB	30A	Pre-Collision System
8	PWR SEAT FR	30A	Front seat lumbar support
9	DBL LOCK	25A	No circuit
10	FR FOG	15A	Front fog lights
11	PWR SEAT FL	30A	Front seat lumbar support
12	OBD	7.5A	On-board diagnosis system
13	RR FOG	7.5A	No circuit

FUSE		Ampere	Circuit
14	STOP	10A	Stop lights, high mounted stop-light, brake system, driver support system, vehicle proximity notification system
15	P FR DOOR	25A	Power windows
16	D FR DOOR	25A	Power windows
17	DOOR RR	25A	Power windows
18	DOOR RL	25A	Power windows
19	S/ROOF	30A	Panoramic roof shades
20	ECU-IG NO.1	10A	Electric cooling fans, multiplex communication system
21	ECU-IG NO.2	10A	Driver support system, Pre-Collision System, inside rear view mirror, garage door opener, yaw rate & G sensor, brake system, electric power steering, navigation system, panoramic roof shades, tire pressure warning system, seat belt pretensioners, audio system, emergency flashers, turn signal lights, windshield wipers, headlight cleaner
22	GAUGE	10A	Headlight leveling system, seat belt reminder light, gauges and meters
23	A/C	10A	Air conditioning system
24	WASHER	15A	Windshield washer
25	RR WIP	20A	Rear window wiper and washer



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	FUSE	Ampere	Circuit
26	WIP	30A	Windshield wipers
27	MET	7.5A	Gauges and meters
28	IGN	10A	Brake system, driver support system, multiport fuel injection system/sequential multiport fuel injection system, SRS airbag system, occupant detection system (ECU and sensors), smart key system
29	PANEL	10A	Air conditioning system, emergency flashers, seat heaters, transmission, P position switch, navigation system, advanced parking guidance system, headlight cleaner, seat belt reminder light, headlight leveling system, glove box light, clock, audio system
30	TAIL	10A	Headlight leveling system, parking lights, tail lights, license plate lights, front fog lights, side marker lights

■ **After a fuse is replaced**

- If the lights do not turn on even after the fuse has been replaced, a bulb may need replacement. (→P. 419)
- If the replaced fuse blows again, have the vehicle inspected by your Toyota dealer.

■ **If there is an overload in a circuit**

The fuses are designed to blow, protecting the wiring harness from damage.

■ **When replacing light bulbs**

Toyota recommends that you use genuine Toyota products designed for this vehicle. Because certain bulbs are connected to circuits designed to prevent overload, non-genuine parts or parts not designed for this vehicle may be unusable.

 **CAUTION**

■ **To prevent system breakdowns and vehicle fire**

Observe the following precautions.

Failure to do so may cause damage, and possibly a fire or injury.

- Never use a fuse of a higher amperage rating than that indicated, or use any other object in place of a fuse.
- Always use a genuine Toyota fuse or equivalent.  
Never replace a fuse with a wire, even as a temporary fix.  
This can cause extensive damage or even fire.
- Do not modify the fuses or fuse boxes.

■ **Fuse box near the power control unit**

Never check or replace the fuses as there are high voltage parts and wiring near the fuse box.

Doing so may cause electric shock, resulting in death or serious injury.