

Toyota Highlander (XU20; 2001-2007) fuses and relays

*In this article, we consider the first-generation Toyota Highlander (XU20), produced from 2000 to 2007. Here you will find fuse box diagrams of **Toyota Highlander 2001, 2002, 2003, 2004, 2005, 2006 and 2007**, get information about the location of the fuse panels inside the car, and learn about the assignment of each fuse (fuse layout) and relay.*

See other Toyota Highlander:

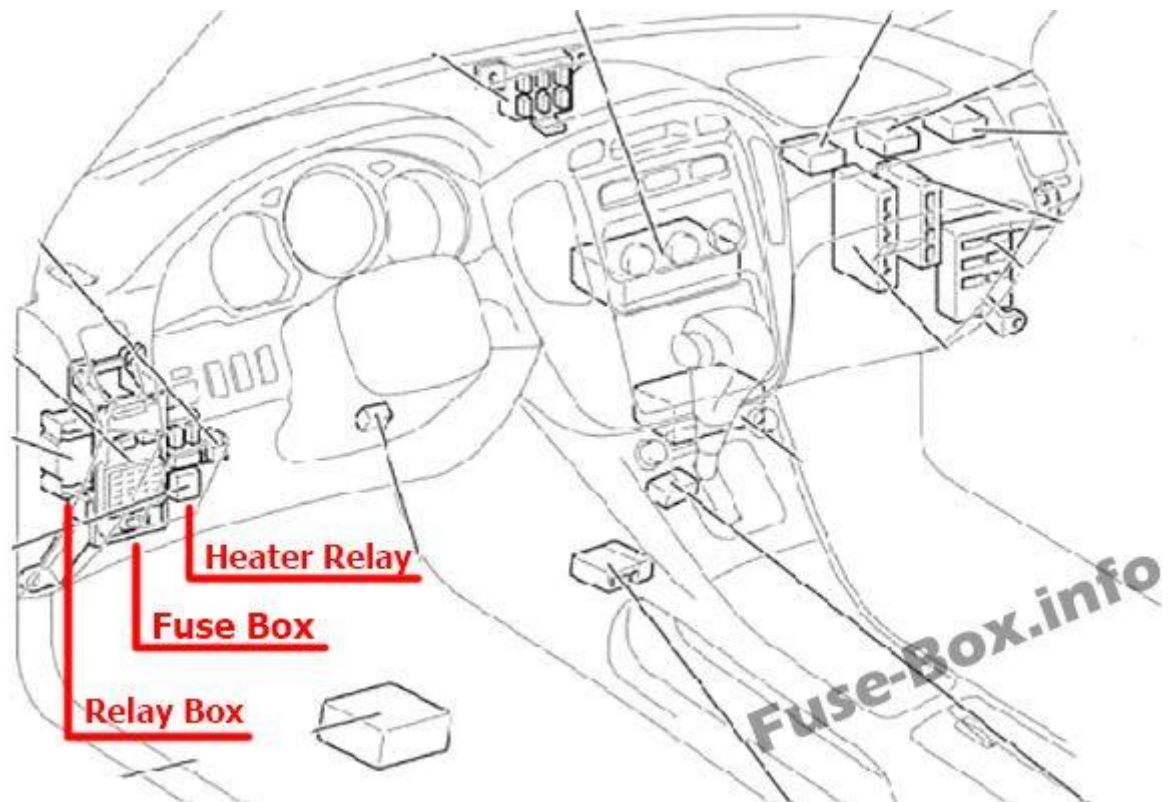
Fuse Layout Toyota Highlander 2001-2007



Cigar lighter (power outlet) fuse in the Toyota Highlander are the fuses #3 "CIG" (Cigarette lighter) and #5 "PWR OUTLET1" (Power outlets) in the Instrument panel fuse box.

Passenger Compartment Fuse Box

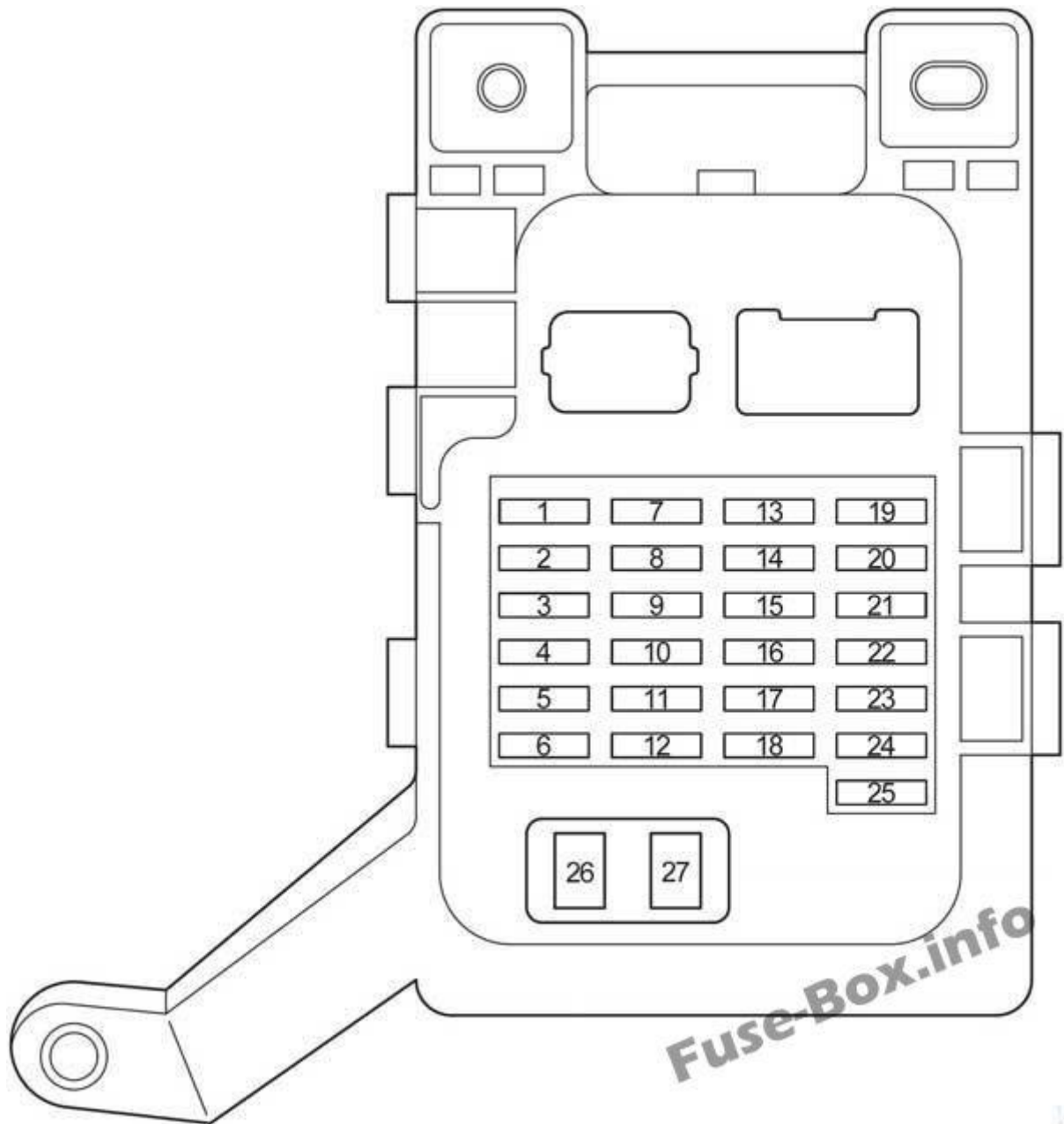
Fuse box location



The fuse box is located on the left side of the instrument panel, behind the cover to the left of the steering wheel.



Fuse box diagram



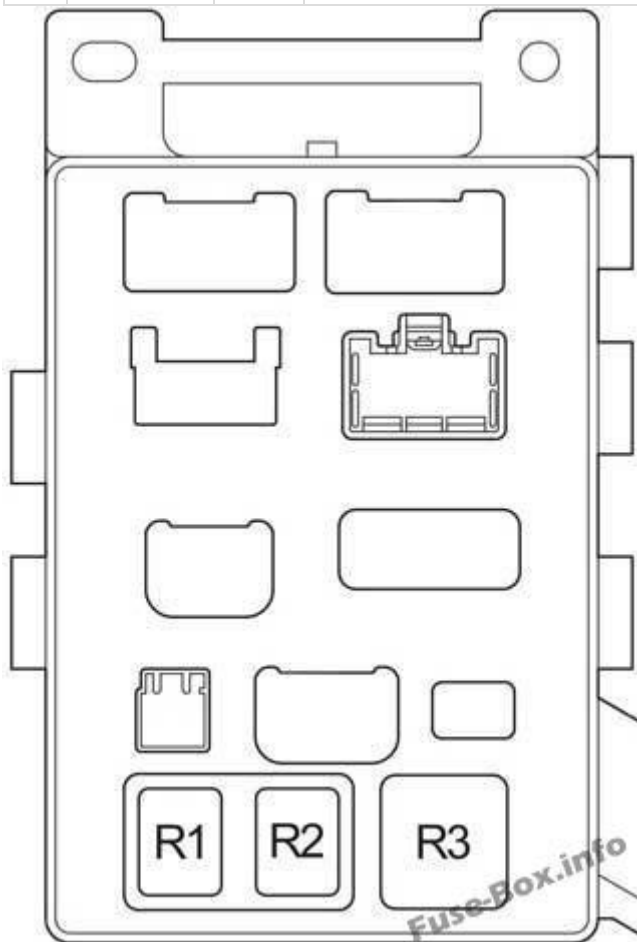
Assignment of the fuses in the Passenger Compartment

No	Name	Amp	Protected components
1	IGN	7.5	2001-2003: Gauges and meters, SRS airbag system
1	IGN	10	2004-2007: Gauges and meters, SRS airbag system, multiport fuel injection system/sequential multiport fuel injection system, front passenger occupant classification system

№	Name	Amp	Protected components
2	RADIO NO.2	7.5	Audio system, shift lock system, navigation system, rear seat entertainment system, air conditioning system, multiplex communication system
3	CIG	15	Cigarette lighter
4	D RR DOOR	20	2001-2003: Power windows
4	P RR DOOR	20	2004-2007: Power windows
5	PWR OUTLET	15	Power outlets
6	FR FOG	10	2001-2003: Front fog lights
6	FR FOG	20	2004-2007: Front fog lights
7	SRS-IG	15	2001-2003: SRS airbag system
8	ECU-IG	15	2001-2003: Electric moon roof, anti-lock brake system, vehicle skid control system, shift lock system, charging system, cruise control system, emergency flashers, starting system
8	ECU-IG	10	2004-2007: Electric moon roof, anti-lock brake system, vehicle stability control system, shift lock system, charging system, starting system
9	WIPER	25	Windshield wipers and washer
10	P RR DOOR	20	2001-2003: Power windows
10	D RR DOOR	20	2004-2007: Power windows
11	P FR DOOR	25	2001-2003: Power windows, door courtesy lights, power door lock system

№	Name	Amp	Protected components
11	D FR DOOR	25	2004-2007: Power windows, door courtesy lights, power door lock system
12	S/ROOF	20	Electric moon roof
13	HEATER	15	2001-2003: Air conditioning system, electric cooling fan, rear defogger, outside rear view mirror defogger, gauges and meters
13	HEATER	10	2004-2007: Air conditioning system, electric cooling fan, rear window defogger, outside rear view mirror defogger, gauges and meters
14	IG1	7.5	Back up lights, vehicle skid control system, multiport fuel injection system/sequential multiport fuel injection system, outside rear view mirror heaters, power door lock system, wireless remote control system, navigation system, multiplex communication system
15	RR WIP	15	Rear window wiper
16	STOP	20	Stop lights, high mounted stoplight, anti-lock brake system, vehicle skid control system, shift lock system, cruise control system, multiport fuel injection system/sequential multiport fuel injection system, trailer lights, multiplex communication system
17	OBD	7.5	On-board diagnosis system
18	SEAT HTR	15	Seat heaters
19	IG2	15	Multiport fuel injection system/sequential multiport fuel injection system, charging system, starter system
20	WASHER	20	Washer fluid level warning light
21	RR FOG	7.5	Rear fog lights
22	FR DEF	20	Air conditioning system, outside rear view mirror defoggers
23	D FR DOOR	20	2001-2003: Power windows, door courtesy lights

No	Name	Amp	Protected components
23	P FR DOOR	20	2004-2007: Power windows, door courtesy lights, multiplex communication system
24	TAIL	10	Tail lights, license plate lights, instrument panel lights, front fog lights, front side marker lights, rear side marker lights, parking lights
25	PANEL	7.5	Instrument panel lights, trailer lights
26	AM1	40	Multiport fuel injection system/sequential multiport fuel injection system, starting system
27	POWER	30	Power seat

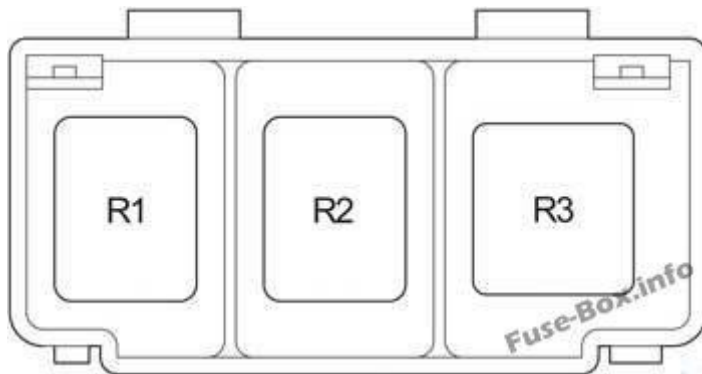


No	Relay
R1	Tail Lights

Nº	Relay
R2	Fog Lights
R3	Accessory Relay (ACC)

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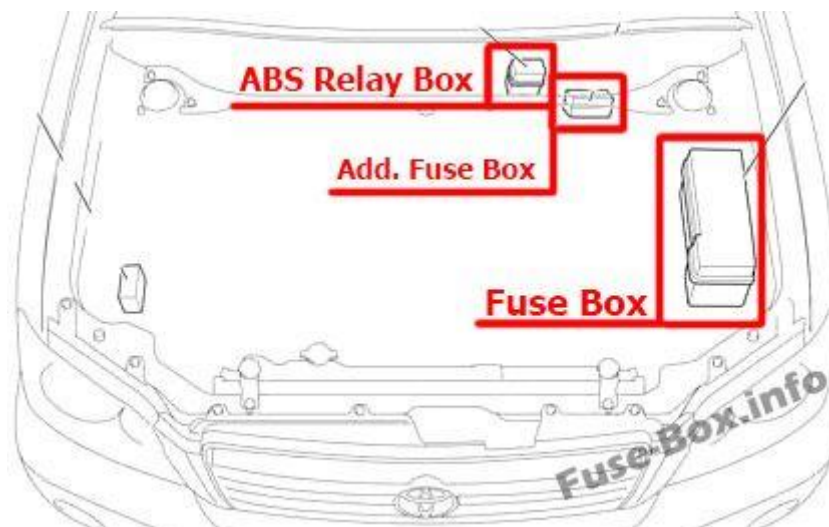
Relay Box



Nº	Relay
R1	Circuit Opening Relay
R2	Seat Heater Relay
R3	Deicer Relay

Fuse Boxes in the Engine Compartment

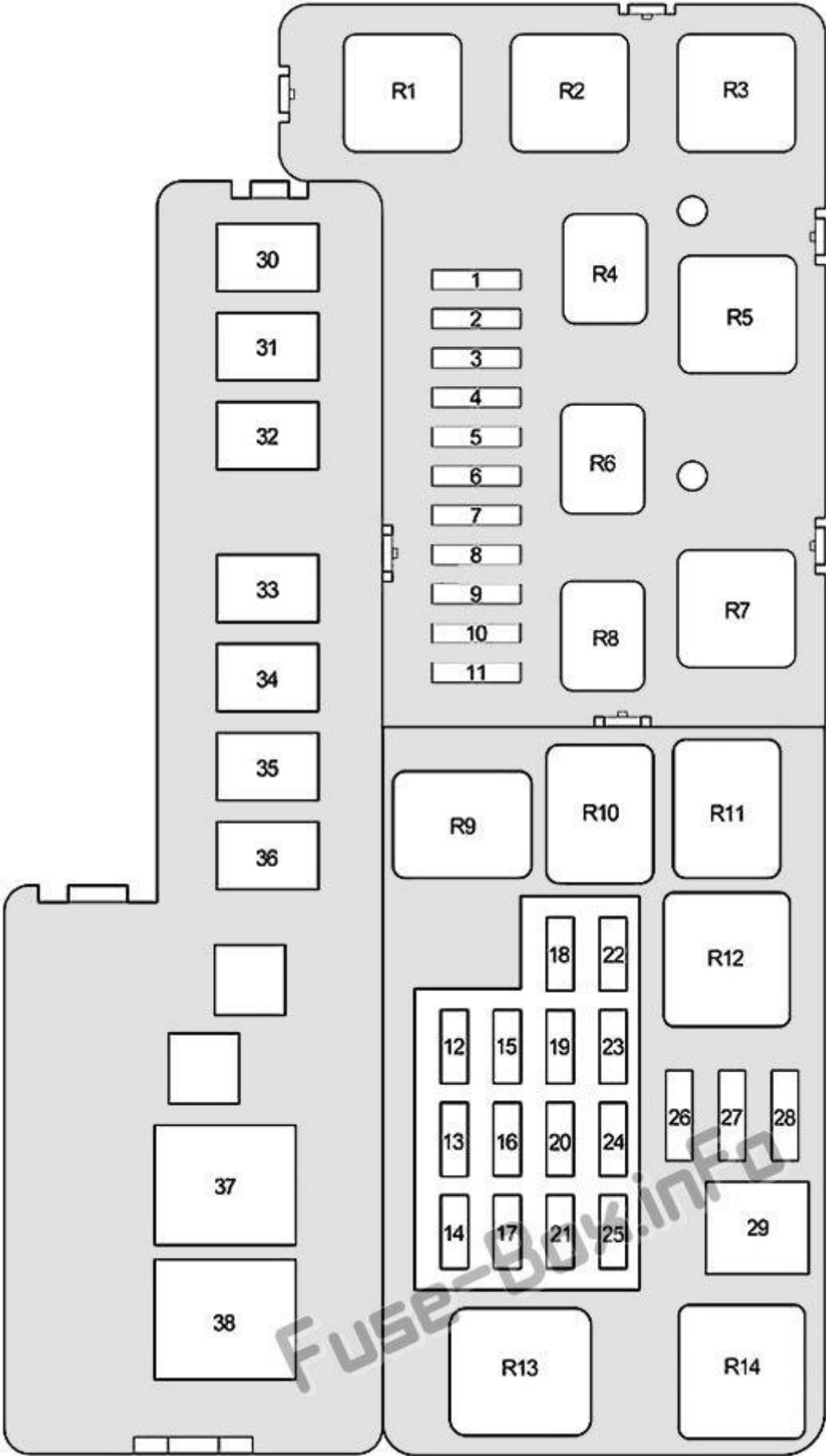
Fuse box location



The fuse box is located in the engine compartment (left-side).



Fuse box diagram



Assignment of the fuses in the Engine Compartment

No	Name	Amp	Protected components
1	-	-	-
2	-	-	-
3	A/F	25	2004-2007: Air fuel ratio sensor
4	CRT	7.5	2004-2007: Rear seat entertainment system, navigation system
5	STARTER	7.5	2004-2007: Multiport fuel injection system/sequential multiport fuel injection system
6	STARTER	7.5	2001-2003: Multiport fuel injection system/sequential multiport fuel injection system
7	ABS3	7.5	2001-2003: Vehicle skid control system
7	EFI NO.2	10	2004-2007: Multiport fuel injection system/sequential multiport fuel injection system
8	HEAD LP RH LWR	15	2001-2003: Right-hand headlight (low beam)
8	ETCS	10	2004-2007: Multiport fuel injection system/sequential multiport fuel injection system
9	HEAD LP LH LWR	15	2001-2003: Left-hand headlight (low beam)
9	RR HTR	15	2004-2007: Rear air conditioning system
10	A/F	25	2001-2003: Air fuel ratio sensor
10	H-LP RH LWR	15	2004-2007: Right-hand headlight (low beam)

№	Name	Amp	Protected components
11	H-LP LH LWR	15	2004-2007: Left-hand headlight (low beam)
12	ALT-S	7.5	Charging system
13	POWER OUTLET2	20	2004-2007: Power outlets
14	TOWING	20	Trailer lights
15	HORN	10	Horns
16	SECURITY	15	Theft deterrent system
17	HEAD LP RH UPR	10	2001-2003: Right-hand headlight (high beam)
17	H-LP RH UPR	10	2004-2007: Right-hand headlight (high beam)
18	ECU-B	7.5	Theft deterrent system, air conditioning system, vehicle skid control system, gauges and meters, wireless remote control system, power door lock, multiplex communication system, electronic moon roof, front passenger occupant classification system
19	EFI	20	2001-2003: Multiport fuel injection system/sequential multiport fuel injection system, fuel pump, engine immobiliser system
19	EFI NO.1	20	2004-2007: Multiport fuel injection system/sequential multiport fuel injection system, fuel pump
20	DOOR LOCK	25	Power door lock system, theft deterrent system
21	HEAD LP LH UPR	10	2001-2003: Left-hand headlight (high beam)

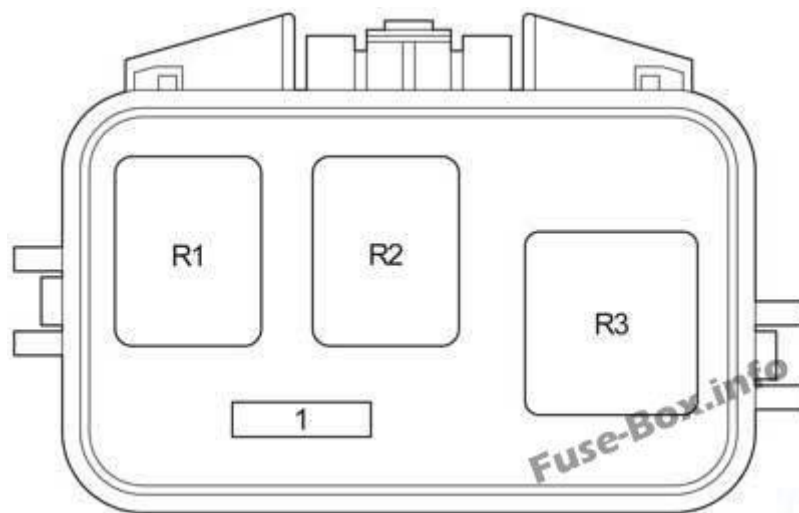
№	Name	Amp	Protected components
21	H-LP LH UPR	10	2004-2007: Left-hand headlight (high beam)
22	RADIO NO.1	25	Audio system
23	DOVE	10	Personal light, interior lights, vanity mirror lights, ignition switch light, wireless remote control system, gauges and meters, navigation system
24	-	-	Short
25	HAZARD	15	Emergency flashers, instrument panel light, trailer lights
26	SPARE	7.5	Spare fuse
27	SPARE	15	Spare fuse
28	SPARE	25	Spare fuse
29	MAIN	40	2001-2003: "HEAD LP RH LWR", "HEAD LP LH LWR", "HEAD LP RH UPR" and "HEAD LP LH UPR" fuses 2004-2007: "H-LP RH LWR", "H-LP LH LWR", "H-LP RH UPR" and "H-LP LH UPR" fuses
30	AM2	30	Multiport fuel injection system/sequential multiport fuel injection system, starting system
31	ABS2	40	2001-2003: Anti-lock brake system, vehicle stability control system
31	ABS2	50	2004-2007: Anti-lock brake system, vehicle stability control system
32	ABS1	40	2001-2003: Anti-lock brake system, vehicle stability control system
32	ABS1	30	2004-2007: Anti-lock brake system, vehicle stability control system

No	Name	Amp	Protected components
33	HEATER	50	2001-2003: Air conditioning system
33	HTR	50	2004-2007: Air conditioning system
34	RDI	30	Electric cooling fans
35	RR DEF	30	Rear window defoggers
36	CDS	30	Electric cooling fans
37	ALT	140	"ABS1", "ABS2", "RDI", CCDS", "RR DEF", "HEATER", "AM1", "AM2", "CTAIL", "PANEL", "STOP", D"S/ROOF" and D"SEAT HTR" fuses
38	RDI	50	No circuit
Relay			
R1			Electric cooling fans (FAN NO.1)
R2			Starter
R3			Electric cooling fans (FAN NO.3)
R4			Air fuel ratio sensor (A/F)
R5			Inverter
R6			-
R7			Electric cooling fans (FAN NO.2)
R8			-
R9			Air conditioner compressor clutch (MG CLT)

Nº	Name	Amp	Protected components
R10			Horn
R11			EFI
R12			Rear windshield defogger
R13			Headlight (HEAD LAMP)
R14			-

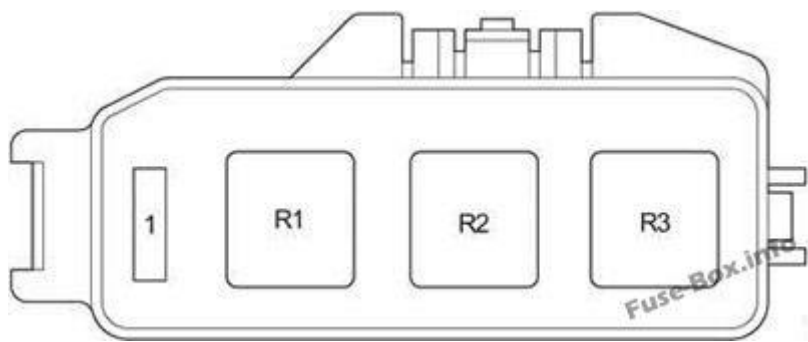
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ABS Relay Box



Nº	Name	Amp	Protected components
1	-	-	-
Relay			
R1			-
R2			ABS CUT
R3			ABS MTR

Additional Fuse Box (if equipped)



No	Name	Amp	Protected components
1	DRL	7.5	Daytime running light system
Relay			
R1			Daytime running light system (DRL No.2)
R2			Daytime running light system (DRL No.4)
R3			Daytime running light system (DRL No.3)