

Toyota Avalon (XX30; 2005-2012) fuses and relays

*In this article, we consider the third-generation Toyota Avalon (XX30), produced from 2004 to 2012. Here you will find fuse box diagrams of **Toyota Avalon 2005, 2006, 2007, 2008, 2009, 2010, 2011 and 2012**, get information about the location of the fuse panels inside the car, and learn about the assignment of each fuse (fuse layout) and relay.*

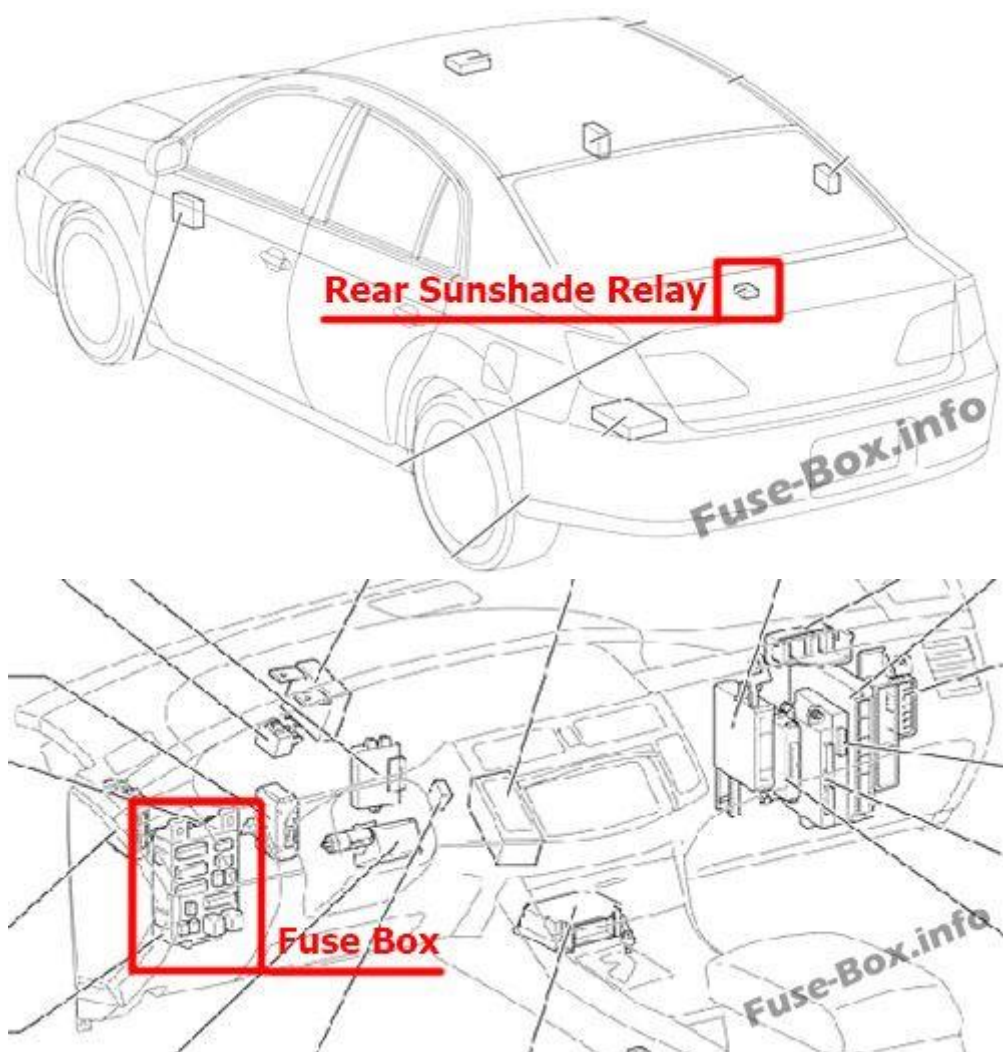
See other Toyota Avalon:

Fuse Layout Toyota Avalon 2005-2012



Cigar lighter (power outlet) fuses in the Toyota Avalon are the fuses #29 "CIG" (Cigarette lighter) and #30 "PWR OUTLET" (Power outlet) in the Instrument panel fuse box.

Passenger compartment overview



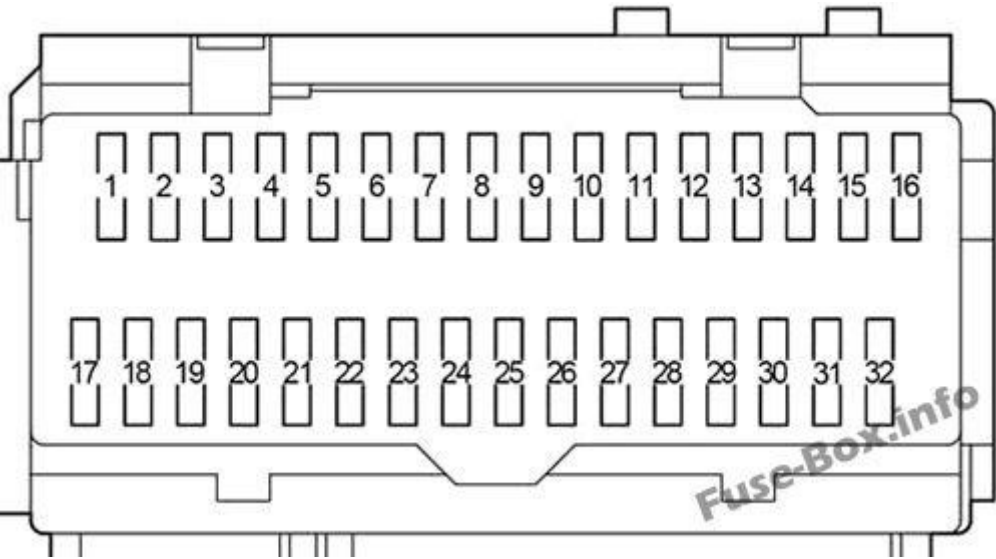
Passenger Compartment Fuse Box

Fuse box location

The fuse box is located under the instrument panel (on the driver's side), under the cover.



Fuse box diagram



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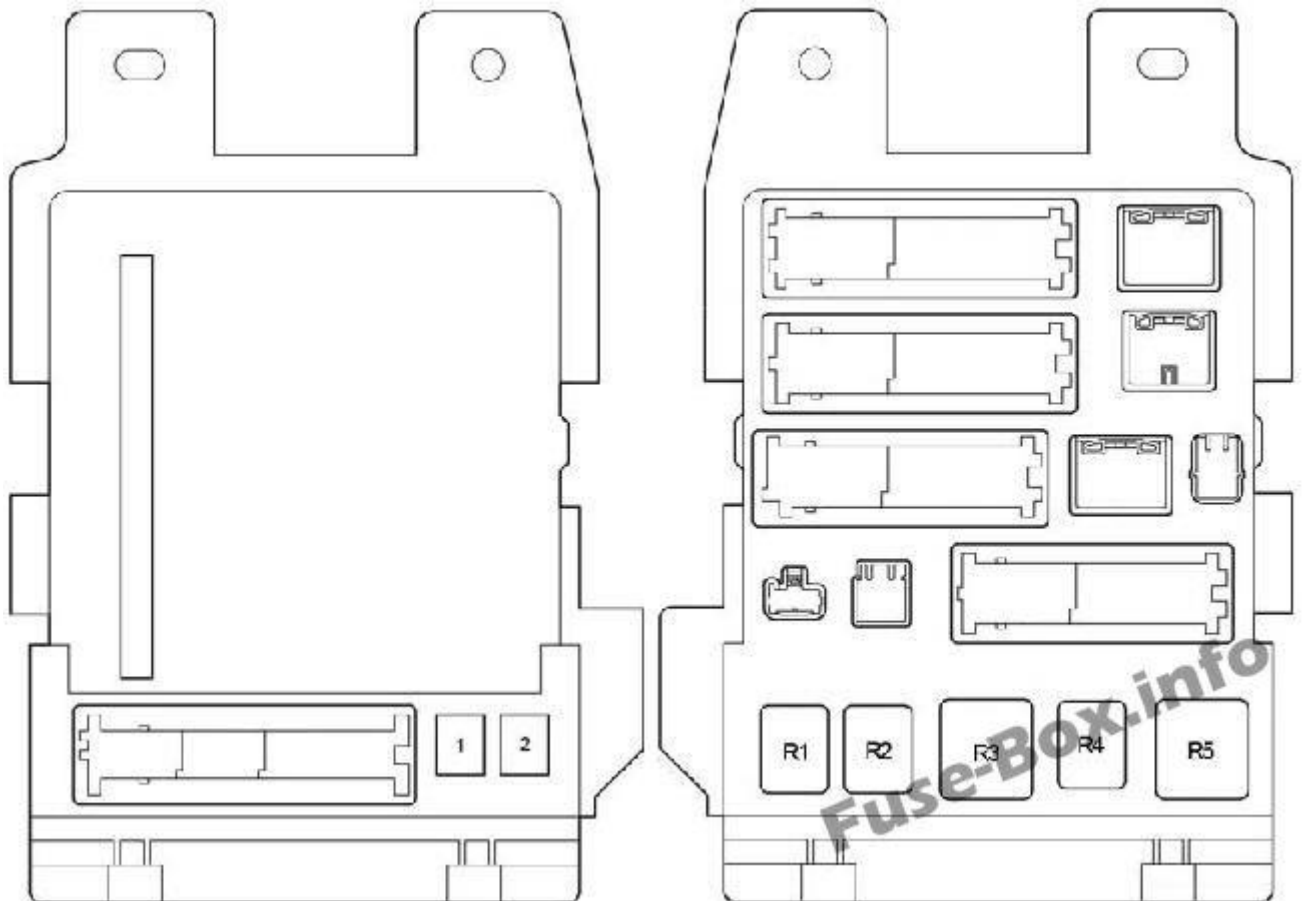
Assignment of the fuses in the Passenger Compartment

No	Name	Amp	Circuit
1	RR DOOR	25	2005-2009: Power window (for rear right passenger)
1	RR DOOR	20	2010-2012: Power window (for rear right passenger)

No	Name	Amp	Circuit
2	RL DOOR	25	2005-2009: Power window (for rear left passenger)
2	RL DOOR	20	2010-2012: Power window (for rear left passenger)
3	FR DOOR	25	2005-2009: Power window (front passenger), driving position memory system
3	FR DOOR	20	2010-2012: Power window (front passenger), driving position memory system
4	FOG	15	Front fog lights
5	OBD	7.5	On-board diagnosis system
6	MPX-B	7.5	Multiplex communication system
7	-	-	-
8	P/W	25	2005-2009: Power window, driving position memory system
8	FL DOOR	20	2010-2012: Power window, driving position memory system
9	FUEL OPN	7.5	Fuel filler door opener
10	AM1	7.5	Multiport fuel injection system/sequential multiport fuel injection system, starting system, ignition system
11	A/C	7.5	Air conditioning system
12	S-HTR	20	2008-2012: Air conditioning system
13	DOOR NO.2	25	Multiplex communication system
14	S/ROOF	30	Electric moon roof
15	TAIL	10	Parking lights, license plate lights, tail lights, front and rear side marker lights

No	Name	Amp	Circuit
16	PANEL	7.5	Seat heaters, navigation system, emergency flasher, electronically controlled automatic transmission system, glove box light, instrument panel lights, power outlets
17	ECU IG NO.1	7.5	2005-2006: Center display, shift lock control system, electric moon roof, multiplex communication system
17	ECU IG NO.1	10	2007-2012: Center display, shift lock control system, electric moon roof, multiplex communication system, tire pressure monitoring (warning) system
18	ECU IG NO.2	7.5	Anti-lock brake system, dynamic laser cruise control system, automatic headlight leveling system, vehicle stability control system, multiplex communication system
19	HTR	7.5	Air conditioning system, instrument panel lights, electric cooling fan
20	A/C COMP	7.5	Air conditioning system
21	S-HTR	20	2005-2007: Air conditioning system
22	GAUGE NO.1	10	Back-up lights, navigation system, emergency flashers
23	WIP	30	Windshield wipers
24	RR S/SHADE	10	Rear electric sunshade
25	-	-	Not used
26	IGN	10	Multiport fuel injection system/sequential multiport fuel injection system, engine immobilizer system, SRS airbag system, front passenger occupant classification system, smart key system, starter system
27	GAUGE NO.2	7.5	Gauges and meters, center display

№	Name	Amp	Circuit
28	ECU-ACC	7.5	Power rear view mirrors, center display, shift lock system, multiplex communication system
29	CIG	15	Cigarette lighter
30	PWR OUTLET	15	Power outlet
31	RADIO NO.2	7.5	Audio system
32	MIR HTR	10	Outside rear view mirror defoggers



№	Name	Amp	Circuit
1	P/SEAT	30	Power seats
2	POWER	30	Power windows

No	Name	Amp	Circuit
Relay			
R1			Fog Lights
R2			Tail Lights
R3			Accessory Relay (ACC)
R4			Power Relay (PWR)
R5			Ignition (IG1)

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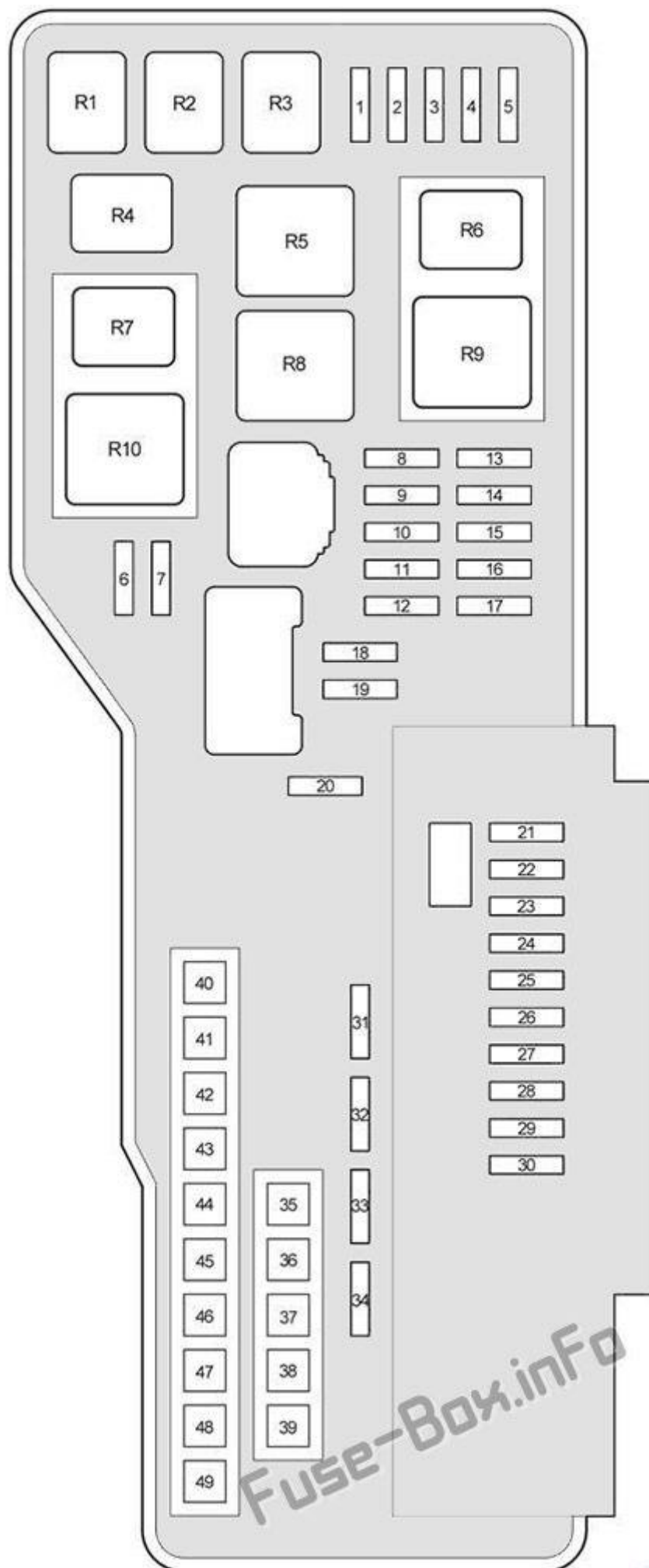
Engine Compartment Fuse Box

Fuse box location

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



Fuse box diagram



Assignment of the fuses and relay in the Engine Compartment

№	Name	Amp	Circuit
1	EFI NO.2	10	Multiport fuel injection system/sequential multiport fuel injection system
2	STOP NO.2	7.5	Stop lights, high mounted stoplight, vehicle stability control system, anti-lock brake system
3	RADAR CC	7.5	2005-2010: Vehicle stability control system
4	HEAD RH LWR	15	Right-hand headlight (low beam)
5	HEAD LH LWR	15	Left-hand headlight (low beam)
6	STOP No.3	7.5	2008-2012: Electronic controlled transmission system, multiport fuel injection system/sequential multiport fuel injection system
7	INJ	15	Multiport fuel injection system/sequential multiport fuel injection system
8	-	-	-
9	STOP NO.1	15	Multiplex communication system
10	STR LOCK	25	2005-2010: Steering lock system
10	STR LOCK	15	2011-2012: Steering lock system
11	IMMOBI	7.5	2005-2007: Engine immobilizer system, smart key system
11	EFI No.3	7.5	2008-2012: Smart key system, electronic controlled transmission system
12	AMP	30	Audio system

No	Name	Amp	Circuit
13	-	-	-
14	-	-	Short Pin NO.1
15	RAD NO.1	15	Audio system, center display, navigation system
16	ECU-B	10	Center display, multiplex communication system
17	DOME	7.5	Gauges and meters, clock, front personal lights, door courtesy lights, garage door opener, rear personal lights, trunk light
18	TURN/HAZ	15	Turn signal lights
19	IG2	25	Multiport fuel injection system/sequential multiport fuel injection system
20	-	-	-
21	S-HORN	7.5	Horn
22	WASHER	20	Windshield washer
23	A/F	25	Air fuel ratio sensor
24	HEAD RH UPR	15	Right-hand headlight (high beam)
25	HEAD LH UPR	15	Left-hand headlight (high beam)
26	-	-	-
27	-	-	-
28	HORN	10	Horn
29	-	-	Horns

No	Name	Amp	Circuit
30	EFI NO.1	25	Multiport fuel injection system/sequential multiport fuel injection system, fuel pump
31	ETCS	10	Multiport fuel injection system/sequential multiport fuel injection system
32	ALT-S	7.5	Charging system
33	DOOR NO.1	25	Multiplex communication system
34	AM2	7.5	Starter system
35	ALT	120	Charging system, "RR DEF", "ABS/VSC NO2." "HEATER", "ABS/VSC NO.1", "RDI FAN", "WASHER" and "S-HORN" fuses
35	ALT	140	Charging system, "RR DEF", "ABS/VSC NO2." "HEATER", "ABS/VSC NO.1", "RDI FAN", "WASHER" and "S-HORN" fuses
36	-	-	-
37	MAIN	40	Headlights
38	-	-	-
39	ST/AM2	30	Starter system
40	HEATER	50	Air conditioning system
41	ABS/VSC NO.1	50	Anti-lock brake system, vehicle stability control system
42	RDI FAN	50	Electric cooling fan
43	ABS/VSC NO.2	30	Anti-lock brake system, vehicle stability control system

№	Name	Amp	Circuit
44	RR DEF	50	Rear windshield defogger, outside rear view mirror defoggers
45	-	-	-
46	-	-	-
47	-	-	-
48	-	-	-
49	-	-	-
Relay			
R1	ST		Starter
R2	MG CLT		Air conditioner compressor clutch
R3	IG2		Ignition
R4	BRK		Stop lights
R5	RR DEF		Rear windshield defogger
R6	ST CUT		Starter
R7	VSC NO.1		Vehicle stability control
R8	FAN NO.1		Electric cooling fan
R9	HEAD		Headlight
R10	VSC NO.2		Vehicle stability control