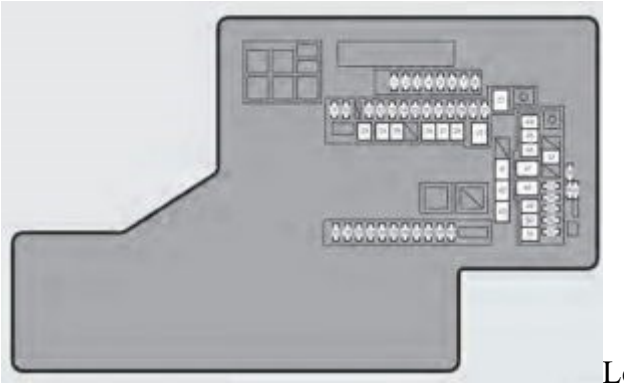
Lexus GS450h 2013 fuse box diagram

Engine compartment


Lexus GS450h – fuse box – engine compartment

Fuse		Ampere rating [A]	Circuit protected
1	IGN	10	Starting system
2	INJ	10	Multiport fuel injection system/sequential multiport fuel injection system
3	EFI NO.2	10	Air intake system, exhaust system
4	IG2 MAIN	20	IGN, GAUGE, INJ, AIR BAG, IG2 NO.1, LH-IG2
5	EFI MAIN	25	Multiport fuel injection system/sequential multiport fuel injection system, EFI NO.2
6	A/F	15	Air flow sensor
7	EDU	20	Multiport fuel injection system/sequential multiport fuel injection system
8	F/PMP	25	Multiport fuel injection system/sequential multiport fuel injection system
9	H-LP RH-LO	20	Right-hand headlight (low beam)*
10	H-LP LH-LO	20	Left-hand headlight (low beam)*
11	ABS MAIN 2	10	Brake system
12	ABS MAIN 1	10	Brake system
13	IGCT NO.1	30	IGCT NO.2, IGCT NO.3, IGCT NO.4, IGCT NO.5
14	ECU-B	7,5	Smart access system with push-button start

15	INV W/P	10	Hybrid system
16	ETCS	10	Multiport fuel injection system/sequential multiport fuel injection system
17	EPS-B	10	Electric power steering system
18	D/C CUT	30	DOME, MPX-B
19	HORN	10	Horn
20	ODS	5	Occupant classification system
21	TV	7,5	Remote Touch screen
22	P/I-B NO.2	80	IG2 MAIN, EFI MAIN, EDU, F/PMP, A/F
23	ABS NO.2	30	ECB
24	P/I-B NO.1	50	H-LP HI RH, H-LP HI LH, DRL
25	H-LP LO	30	H-LP LO RH, H-LP LO LH
26	LH J/B-B	40	Left-hand junction block
27	RH J/B-B	40	Right-hand junction block
28	VGRS	40	No circuit
29	OIL PMP	60	Oil pump
30	IGCT NO.5	7,5	Power management system, shift position sensor
31	WIP-S	7,5	Windshield wipers, driver support system
32	WASH-S	5	Windshield washer, driver support system
33	COMB SW	5	Windshield wipers
34	DOME	7,5	Personal lights, ornament lights, trunk light, footwell lights, door courtesy lights, vanity lights, rear door inside handle illuminations, power trunk opener and closer
35	MPX-B	10	Body ECU, smart access system with pushbutton start, electric tilt and telescopic steering column, power seats, head-up display, front door ECU, gauges and meters, steering sensor, yaw rate and G sensor, overhead module, RR CTRL SW, power trunk opener and closer, clock, CAN gateway ECU
36	IGCT NO.4	10	Power control unit

37	IGCT NO.3	7,5	Hybrid battery (traction battery), DC/DC converter
38	IGCT NO.2	5	Hybrid system
39	IG2 NO.1	5	DCM, CAN gateway ECU
40	GAUGE	5	Gauges and meters
41	DC/DC	150	RH-J/B DC/DC, P/I DC/DC
42	P/I DC/DC	100	RR S/SHADE, DEFOG, FOG, TAIL, PANEL
43	RH J/B DC/DC	80	Right-hand junction block
44	LH J/B DC/DC	50	Left-hand junction block
45	H-LP CLN	30	Headlight cleaner
46	FAN NO.2	40	Electric cooling fans
47	LUG J/B DC/DC	80	Luggage compartment junction block
48	FAN NO.1	80	Electric cooling fans
49	PTC NO.1	50	PTC heater
50	PTC NO.2	50	PTC heater
51	HTR	50	Air conditioning system
52	ABS NO.1	30	ECB
53	ECU-B NO.2	7,5	No circuit
54	DEICER	25	Windshield wiper de-icer
55	ABS MAIN 3	10	Brake system
56	FILTER	10	Condenser
57	A/C W/P	7,5	Air conditioning system
58	SPARE	10	Spare fuse
59	SPARE	30	Spare fuse
60	SPARE	20	Spare fuse
*: Low beam and high beam are the same bulb. (vehicles with discharge headlights)			

Driver’s side instrument panel

Lexus GS450h – fuse box – driver’s side instrument panel

Fuse		Ampere rating [A]	Circuit protected
1	STOP	7,5	Stop lights, high mounted stoplight
2	P/W-B	5	Power window master switch
3	P/SEAT1 F/L	30	Power seats
4	D/L NO.1	25	Power door lock system
5	NV-IR	10	Lexus night view
6	FL S/HTR	10	Seat heaters/ventilators
7	WIPER	30	Windshield wipers
8	WIPER-IG	5	Windshield wipers
9	LH-IG	10	Seat belts, body ECU, AFS, overhead module, raindrop sensor, inside rear view mirror, lane camera sensor (LKA), head-up display, shift lock system, intuitive parking assist, front left-hand door ECU, driver monitor system, Remote Touch screen, electric tilt and telescopic steering column, power seats, moon roof, windshield wiper de-icer, intuitive parking assist switch, PTC heater, headlight cleaner
10	LH ECU-IG	10	VDIM, ECB, D-SW MODULE (Blind Spot Monitor, heated steering wheel), driver support system, AFS, EPB, air conditioning system
11	DOOR FL	30	Outside rear view mirror defoggers, power window (front left-hand)
12	CAPACITOR (HV)	10	Capacitor
13	STRG LOCK	15	Steering lock system
14	D/L NO.2	25	Power door lock system
15	DOOR RL	30	Power window (rear left-hand)
16	HAZ	15	Turn signal lights, emergency flashers
17	LH-IG2	10	Multiport fuel injection system/sequential multiport fuel injection system, stop lights, smart access system with push-button start, steering lock system, brake system, power management system
18	LH J/B-B	7,5	Body ECU
19	S/ROOF	20	Moon roof

20	P/SEAT2 F/L	25	Power seats
21	TI & TE	20	Electric tilt and telescopic steering column
22	A/C	7,5	Air conditioning system

Passenger's side instrument panel

Lexus GS450h – fuse box -passenger's side instrument panel

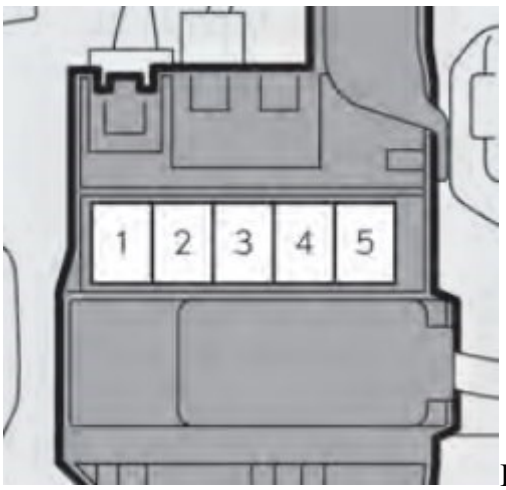
Fuse		Ampere rating [A]	Circuit protected
1	P/SEAT1 F/R	30	Power seats
2	FR P/OUTLET	15	Power outlet (front)
3	RR P/OUTLET	15	Power outlet (rear)
4	P/SEAT2 F/R	25	Power seats
5	AVS	20	AVS
6	STRG HTR	15	Heated steering wheel
7	WASH	20	Windshield washer
8	RH ECU-IG	10	Navigation system, pre-collision seat belts, air conditioning system, ECB, Lexus night view, yaw rate and G sensor
9	RH-IG	10	Tension reducer, seat heater/ventilator switches, front right-hand door ECU, CAN gateway ECU, tire pressure warning system, power seats
10	DOOR FR	30	Front right-hand door control system (outside rear view mirror defoggers, power window
11	DOOR RR	30	Power window (rear right-hand)
12	RAD NO.2	30	Audio system
13	AM2	7,5	Power management system
14	MULTIMEDIA	10	Navigation system, Remote Touch
15	RAD NO.1	30	Audio system
16	AIR BAG	10	SRS airbag system, occupant classification system
17	OBD	7,5	On-board diagnosis system
18	ACC	7,5	Body ECU, head-up display, RR CTRL, navigation system, hybrid transmission, Remote Touch, DCM, Remote Touch screen, clock

Trunk

Lexus GS450h – fuse box – trunk

Fuse		Ampere rating [A]	Circuit protected
1	PSB	30	Pre-collision seat belts
2	PTL	25	Power trunk opener and closer
3	RR J/B-B	10	Smart access system with push-button start
4	RR S/HTR	20	Seat heaters (rear)
5	FR S/HTR	10	Seat heaters/ventilators (front)
6	RR FOG	10	No circuit
7	DC/DC-S (HV)	7,5	DC/DC converter
8	BATT FAN (HV)	20	Hybrid battery (traction battery) cooling fan system
9	SECURITY	7,5	SECURITY
10	ECU-B NO.3	7,5	Parking brake
11	TRK OPN	7,5	Power trunk opener and closer
12	DCM (HV)	7,5	DCM
13	AC INV (HV)	20	Power outlet (120V AC)
14	RR-IG1	5	Radar sensor, Blind Spot Monitor
15	RR ECU-IG	10	Power trunk opener and closer, parking brake, tension reducer (rear left-hand), RR CTRL SW, tire pressure warning system
16	EPS-IG	5	Electric power steering system
17	BACK UP	7,5	Back-up lights

The upper part of the 12-volt battery*



Lexus GS450h – fuse box – the upper part of the 12 volt battery

Fuse		Ampere rating [A]	Circuit protected
1	EPB	30	Parking brake
2	LUG-J/B BATT	40	Luggage compartment junction block
3	EPS	80	Electric power steering
4	ARS	80	No circuit
5	MAIN	220	Engine compartment junction block
*: When one or more of the fuses in this unit are blown, the unit needs to be replaced as a whole.			