

Fuses and relays BMW 3 Series (F30/F31/F80; 2011 - 2019)

 car-box.info/bmw/3-series/f30f31f80-2011-2019.html

In 2011, BMW officially introduced the sixth generation of the 3 Series, a popular premium car. The model lineup consists of a sedan under the index F30, station wagon F31 and F34 - modification with a sloping roof. In this article we will understand in detail fuse box diagrams BMW F30 / F31 / F80 3 Series (6th Gen; 316d, 316i, 318d, 318i, 320si, 320d, 323i, 325i, 328i, 330d, 330i, 335d, 335i, Hybrid) 2011, 2012, 2013, 2013, 2014, 2015, 2015, 2016, 2017, 2018, 2019 years of manufacture.

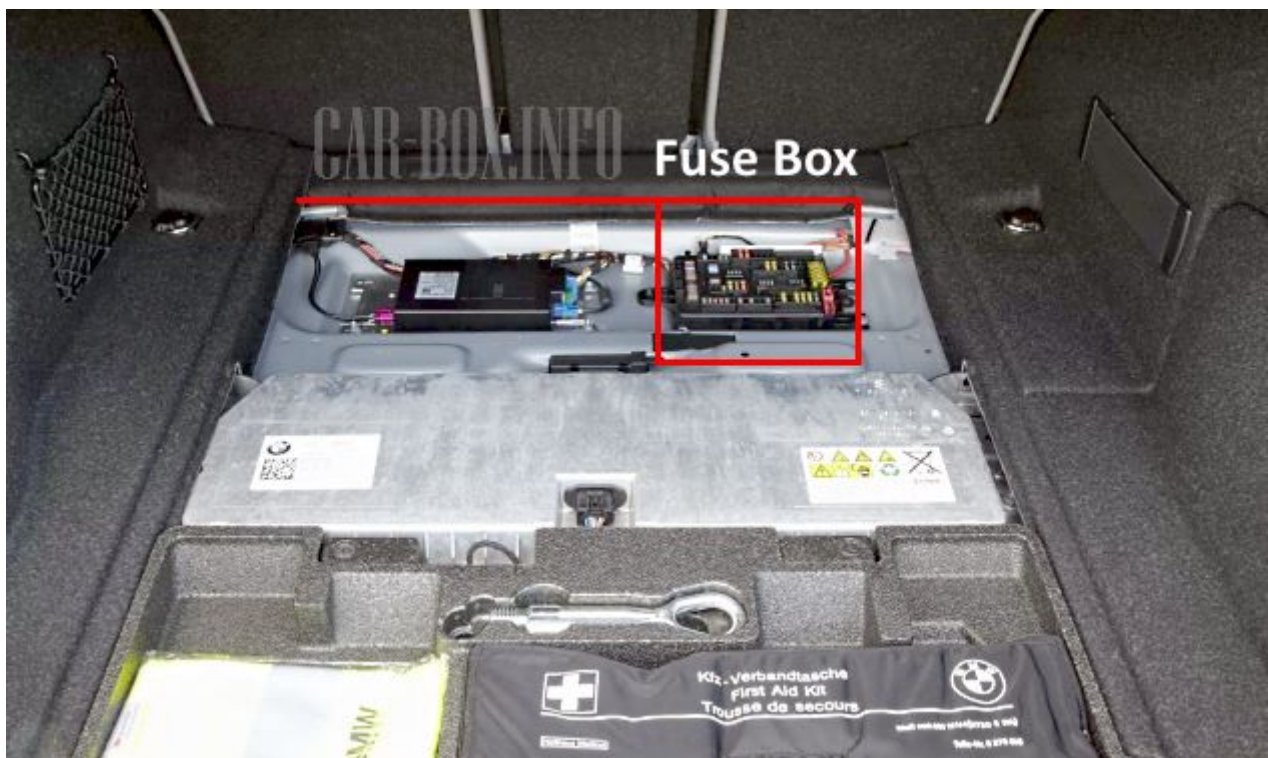


Here you will find the locations and photos of the mounting blocks. Also, we will separately mark the fuse responsible for the cigarette lighter.

In the luggage compartment

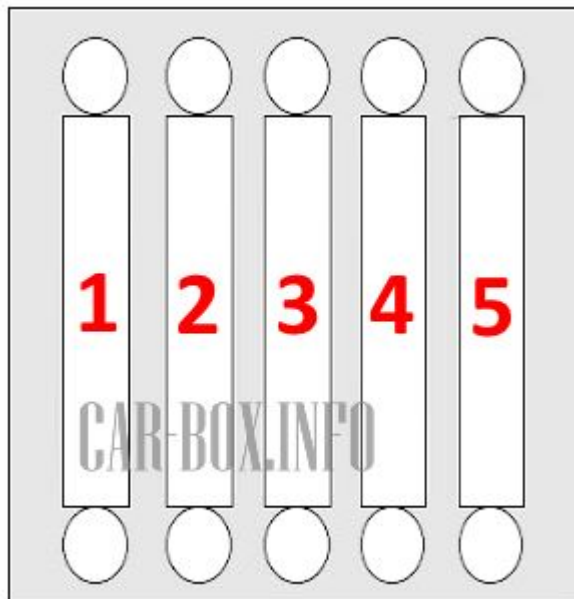


The power fusible links are located on the right side behind the case, next to the battery.



The main fuse box is in the center behind the floor pan.

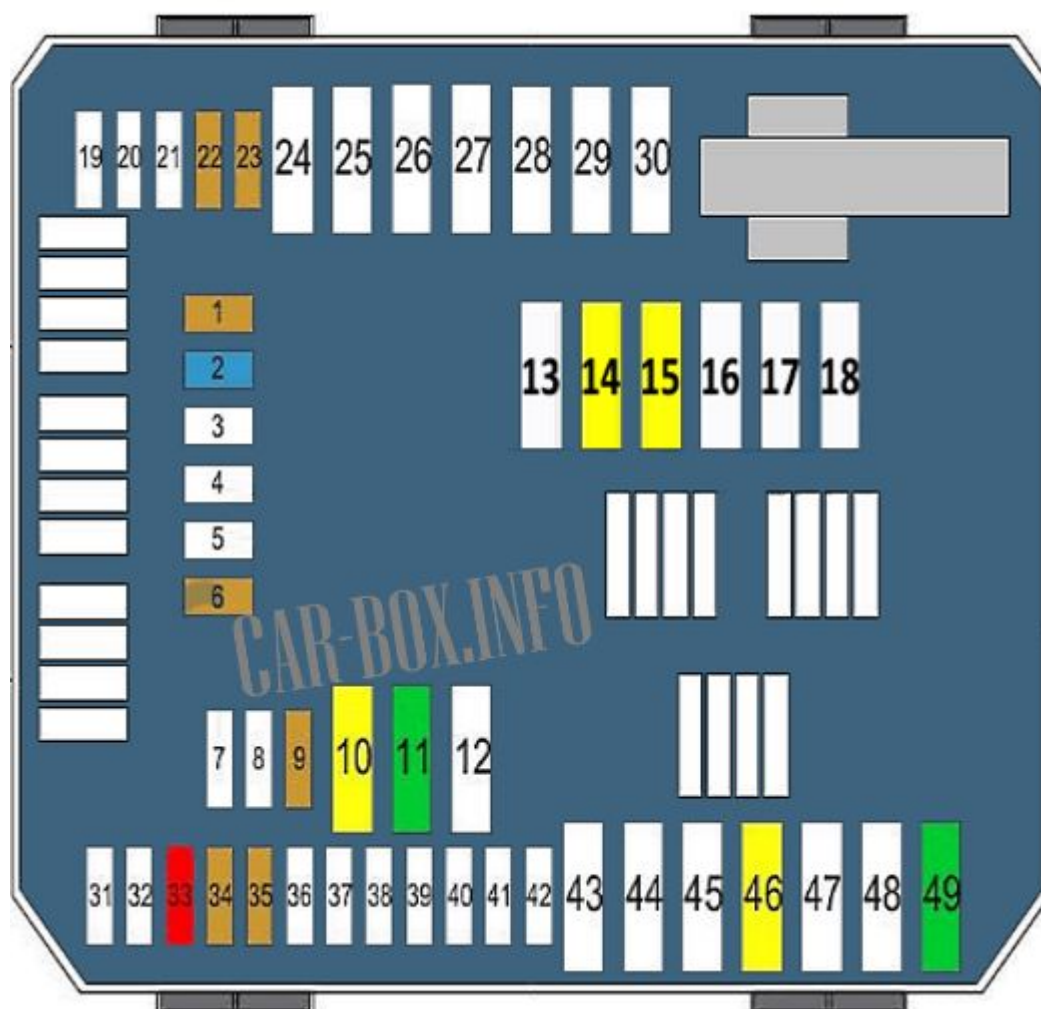
Power block diagram (near the battery)



No.	Decryption	A
1	Rear module	50
2	Fuse box	100
3	Power distribution	100
4	Main relay	125
5	Integrated power module	125

Assignment of fuses in the luggage compartment box

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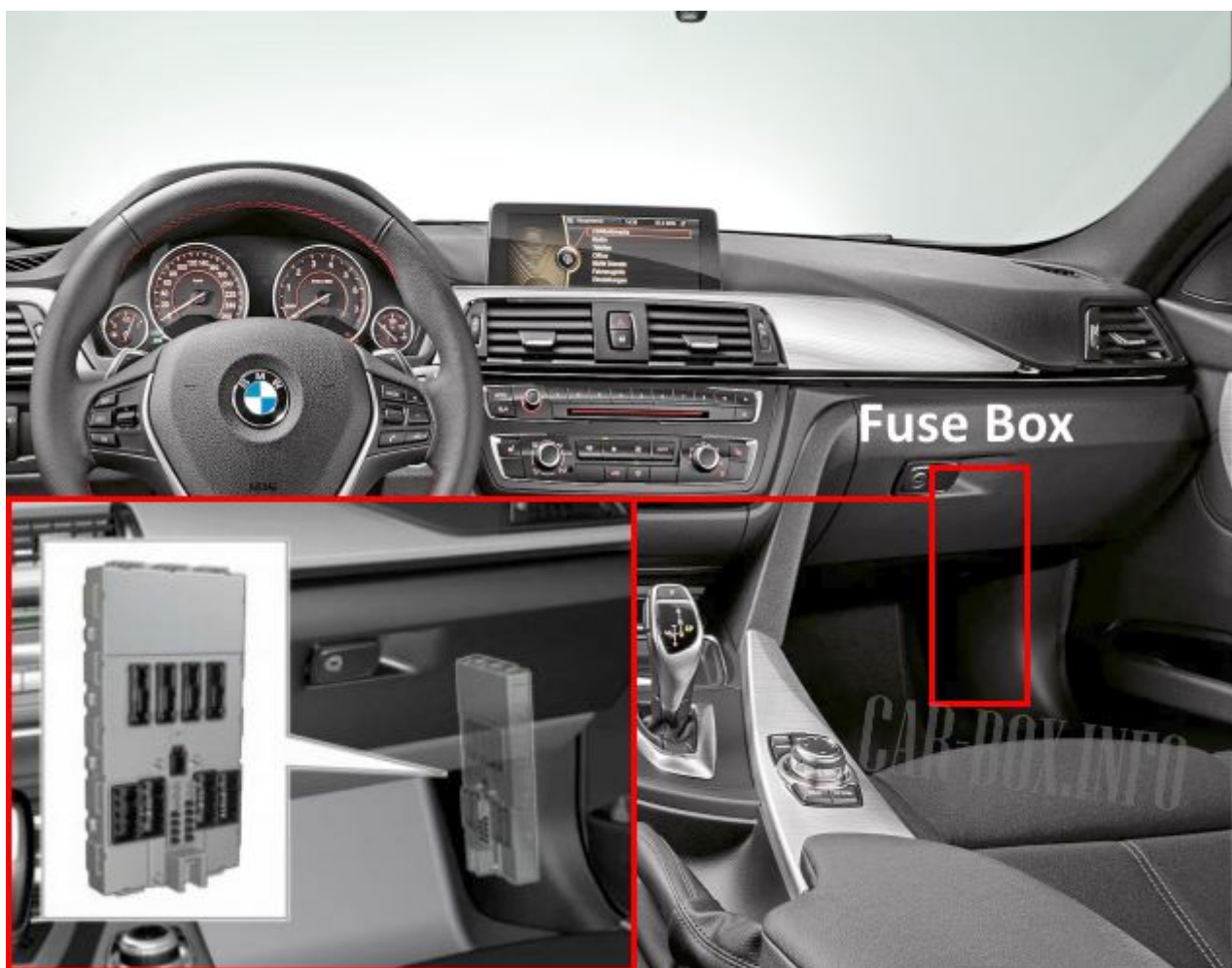


No.	Decryption	A
1	Camera control unit	5
2	Radio control unit	15
6	Audio system	5
9	telematics	5
10	Radio control unit	20
11	hi-fi amplifier	30
14	Trailer towing module	20
15		20
22	Signaling	5
	Microwave sensor	

Assignment of fuses in the luggage compartment box

23	remote control receiver	5
	Vacuum leak detection	
33	Audio system	10
34	DVD player	5
35		5
46	End connector	20
49	DC-DC Converter	30

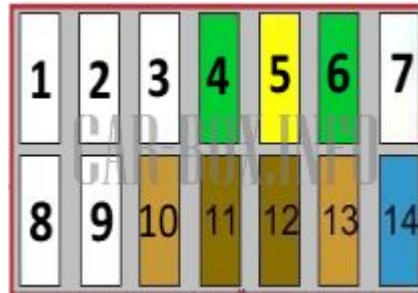
In the passenger compartment



The unit is located on the passenger side on the front pillar.

Diagram

Diagram

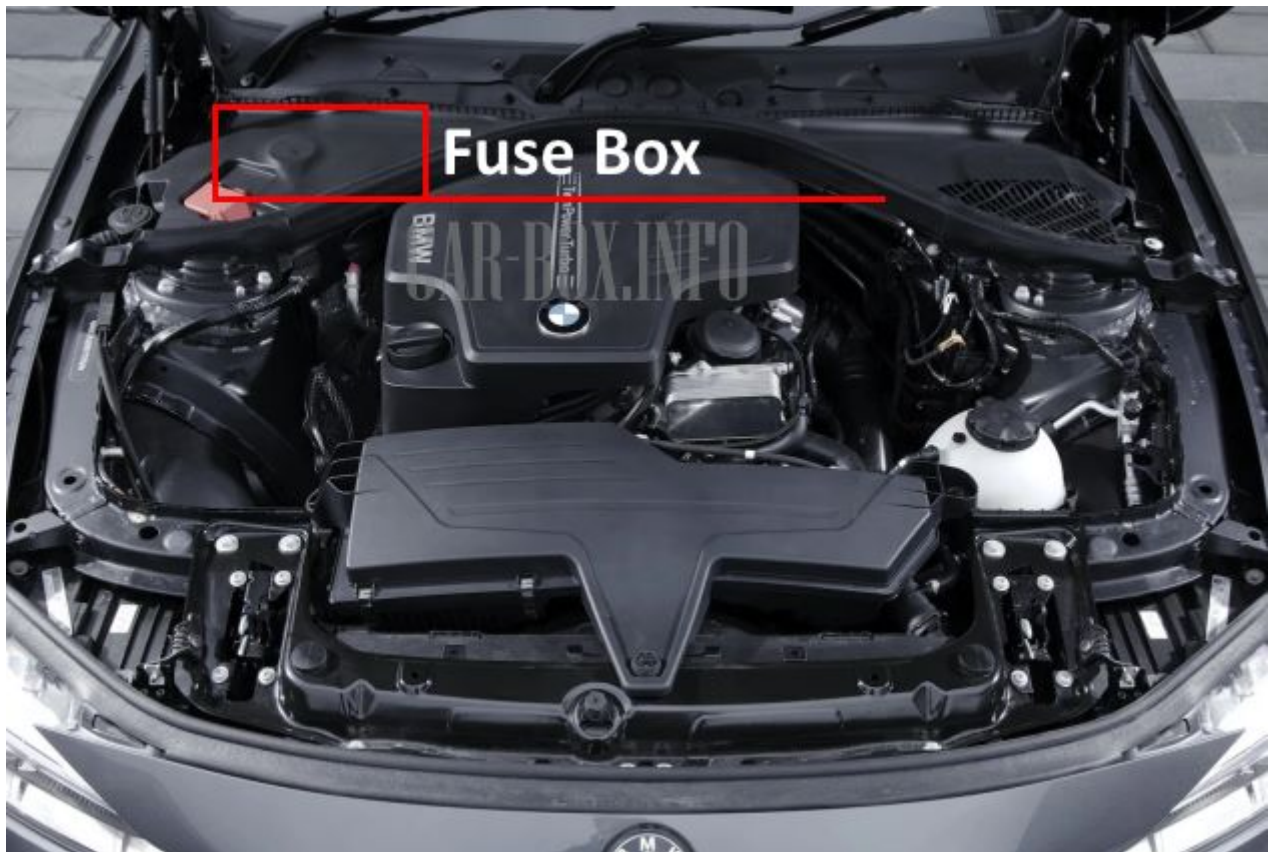


No.	Description	A
1	Empty	-
2	Empty	-
3	Empty	-
4	Passenger Power Window	30
5	central locking system	20
6	Driver Power window	30
7	Empty	-
8	Empty	-
9	Empty	-
10	Control Panel	5
	Driver assistance system	
	Heating, ventilation and air conditioning (HVAC)	
	Light switch	
11	Rear module	7.5
	Left headlight	
12	Diagnostic connector	7.5
13	telematics	5
14	Horn (beep)	15

In the engine compartment

Here there are four units responsible for the protection of the vehicle's electrical circuits.

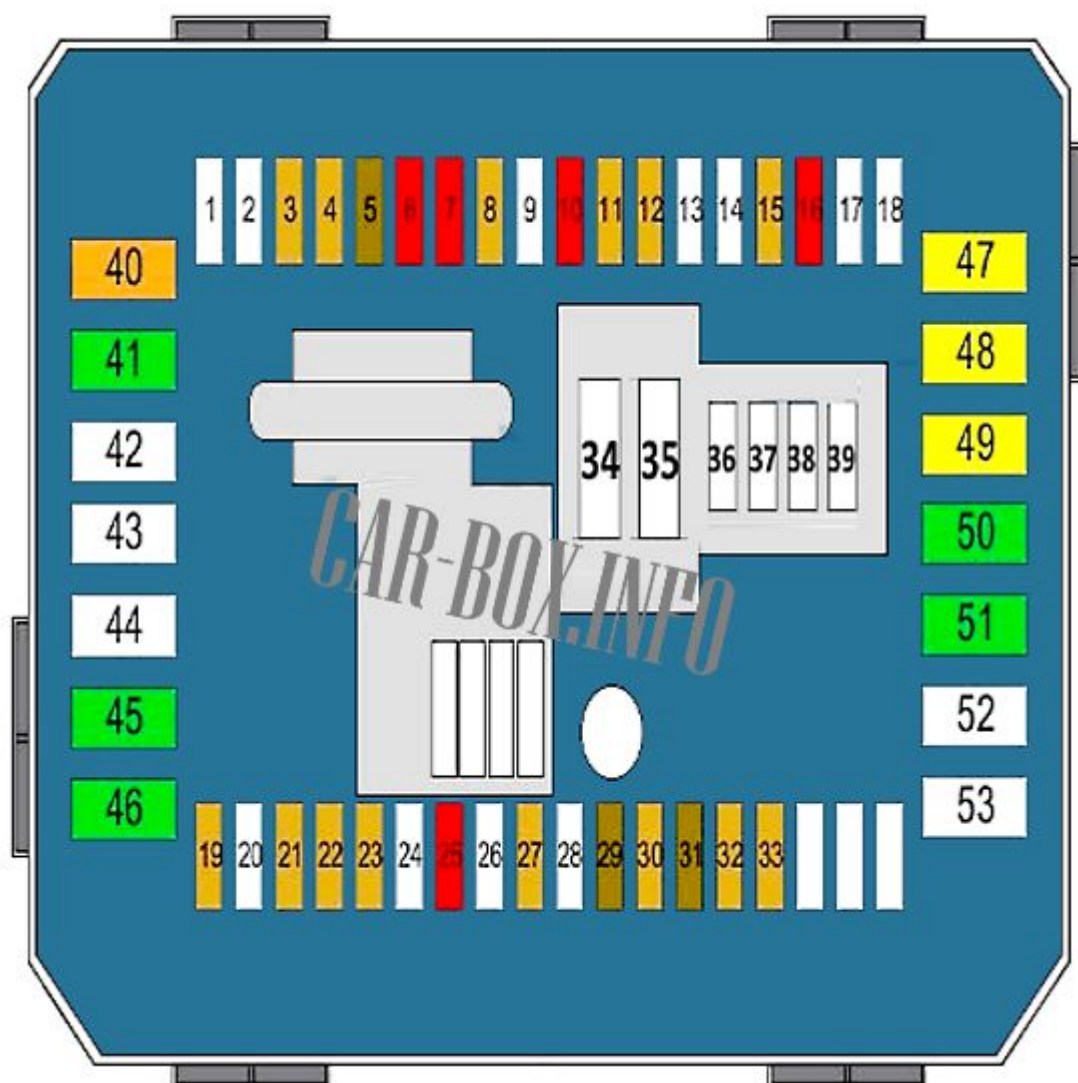
Main fuse box



The main unit is located on the right side, closer to the windshield. To access it, you need to unscrew the mounting screws of the protective cladding. Next to it there are some relay modules and power fuses.

Diagram

Diagram



No.	Decryption	A
1	Empty	-
2	Empty	-
3	Control unit, roof electronics	5
4	Heating control unit	5
5	Door locks	7.5
	Passenger Rear View Mirror	
6	DDE main relay	10
7	Electronic automatic transmission (EAT) control unit	10
8	touch box	5

Diagram

	Body control unit	
9	Empty	-
10	Seat adjustment	10
11	Front left lamp	5
	Front right lamp	
	Rain sensor	
	Empty	
12	Trip relay	5
	Dynamic Stability Control (DSC)	
13	Empty	-
14	Empty	-
15	Transfer case	5
16	coolant pump	10
	Air conditioning compressor	
	Additional water pump	
17	Not	
18	Not	
19	Electrochromic rear view mirror	5
20	Not	-
21	Driver assistance system	5
22	Cruise control	5
23	Crankcase ventilation heater	5
	Coolant shut-off valve	
24	Empty	-
25	Steering column switches	10
26	Empty	-
27	instrument cluster	5

Diagram

28	Empty	-
29	instrument cluster	7.5
30	Glove compartment lighting	5
31	selector switch	7.5
32	Electronic Power Steering (EPS)	5
33	Air quality sensor	5
34	Empty	-
35	Empty	-
36	Empty	-
37	Empty	-
38	Empty	-
39	Empty	-
40	Fuse box	40
41	Dynamic Stability Control (DSC)	30
42	Empty	-
43	Empty	-
44	Empty	-
45	Retractable roof	30
46	Transfer case	30
47	Passenger seat heating	20
48	Heated driver's seat	20
49	BMW F30/F31/F80 cigarette lighter fuse	20
50	Driver's seat control unit	30
	Driver seat adjustment	
51	Passenger seat adjustment	30
	Passenger seat control unit	
52	12V	-

Diagram

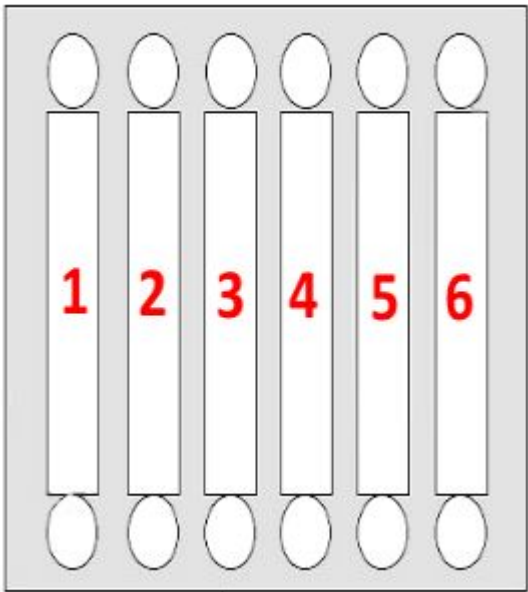
53 Empty

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Power fusible links

Located next to the main unit.

Diagram



No.	Description	A
1	Cut-off relay	50 80 125
2	Electronic Power Steering (EPS)	125
3	Additional heater	100
4	Heated fuel filter	40
5	Dynamic Stability Control (DSC)	40
6	blower motor	40

Additional panel #1

Also located next to the main unit.

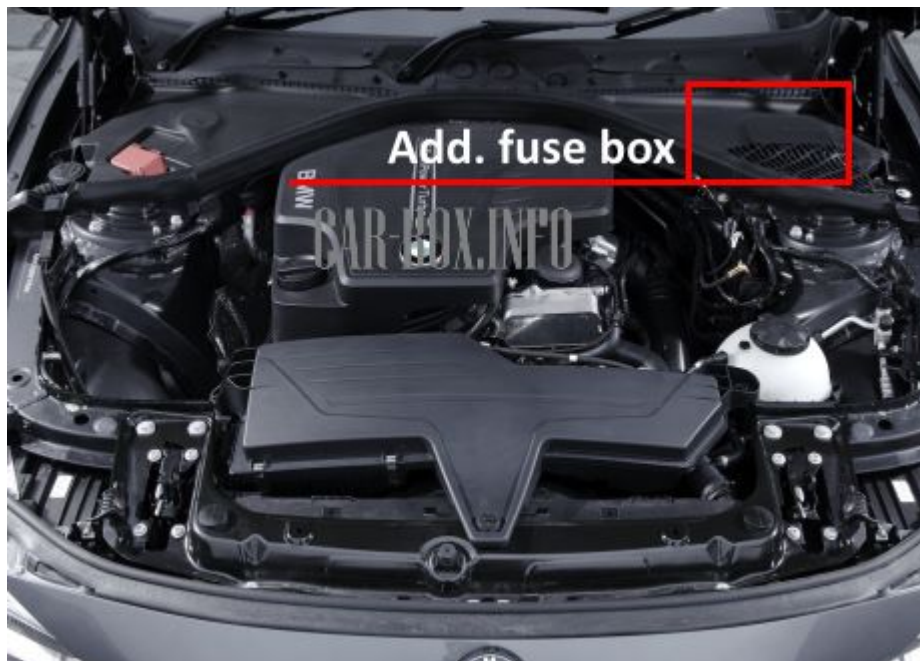
Diagram

Diagram



No.	Decryption	A
1	Engine management	20
2		20
3		10
4		15
5		20
6		40
7	coolant pump	50
R1	Main relay DDE	

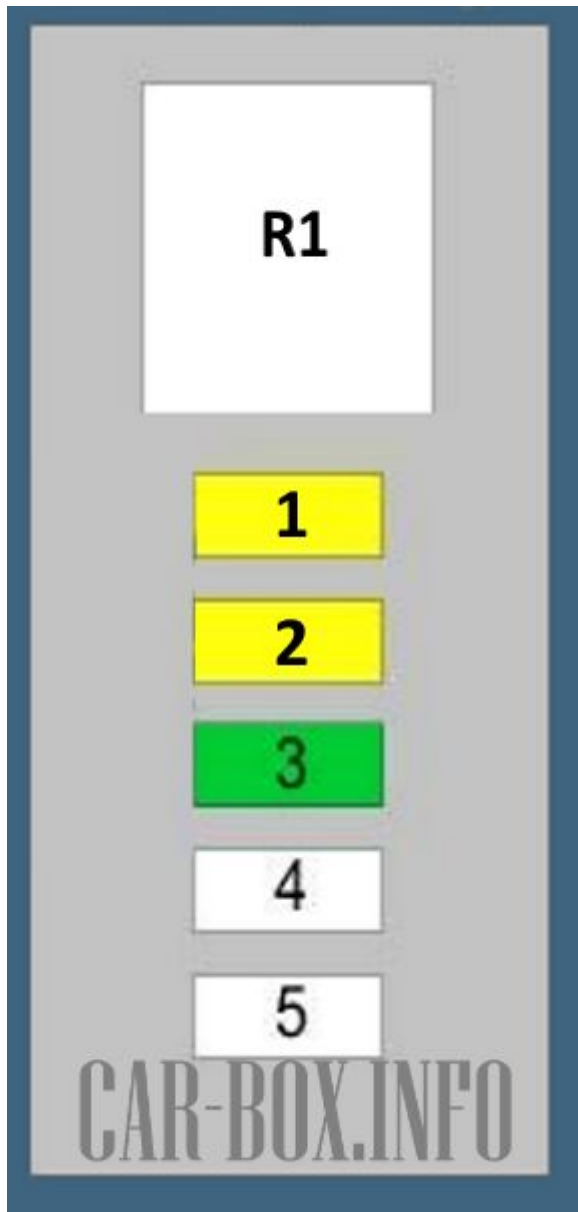
Additional panel #2



Located on the left side of the engine compartment.

Diagram

Diagram



No.	Purpose	A
1	Ramp pressure control valve	20
	Fuel volume regulator	
	Camshaft position sensor	
	Boost pressure regulator solenoid	
2	Oxygen sensor before catalytic converter	20
	Oxygen sensors behind the catalytic converter	
	Mass flow meter	
	Oil level sensor	

Diagram

EGR cooler changeover valve

3	DDE control unit	30
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R1	Main relay DDE
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