

Fuses and relays BMW X3 (E83, 2003 - 2010)

 car-box.info/bmw/x3/e83-2003-2010.html

BMW expanded its crossover lineup in 2003 with the introduction of the X3 compact model. The car is built on the same platform as the 3 series. The design retains the features and proportions of the older model X5. In this article we will understand in detail fuse box diagrams BMW X3 e83 (1st generation; 2.0d, 2.5i, 3.0d, xDrive 18d, xDrive 20d, xDrive 25i, xDrive 30d, xDrive 30i, xDrive 35d) 2003, 2004, 2005, 2005, 2006, 2006, 2007, 2008, 2009, 2010 years of manufacture.



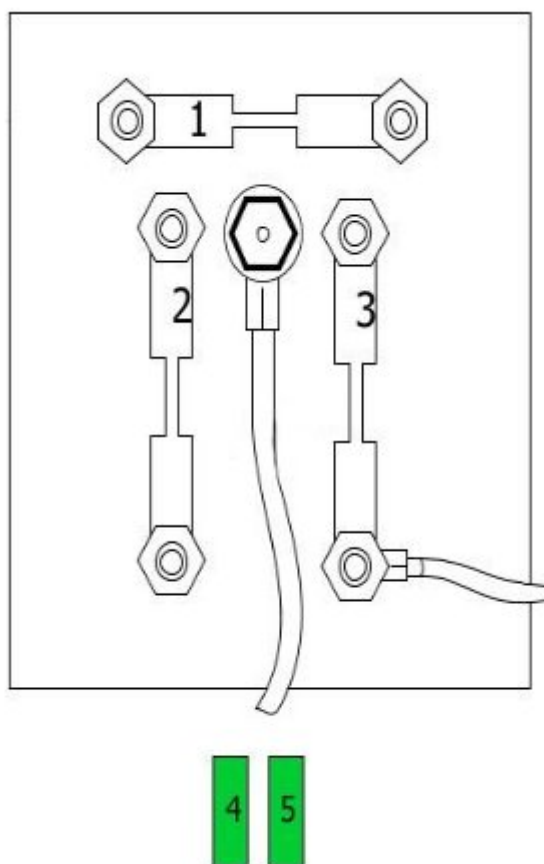
Here you will find the locations and photos of the mounting blocks. Also, we will separately mark the fuses responsible for the cigarette lighter and the fuel pump.

In the luggage compartment

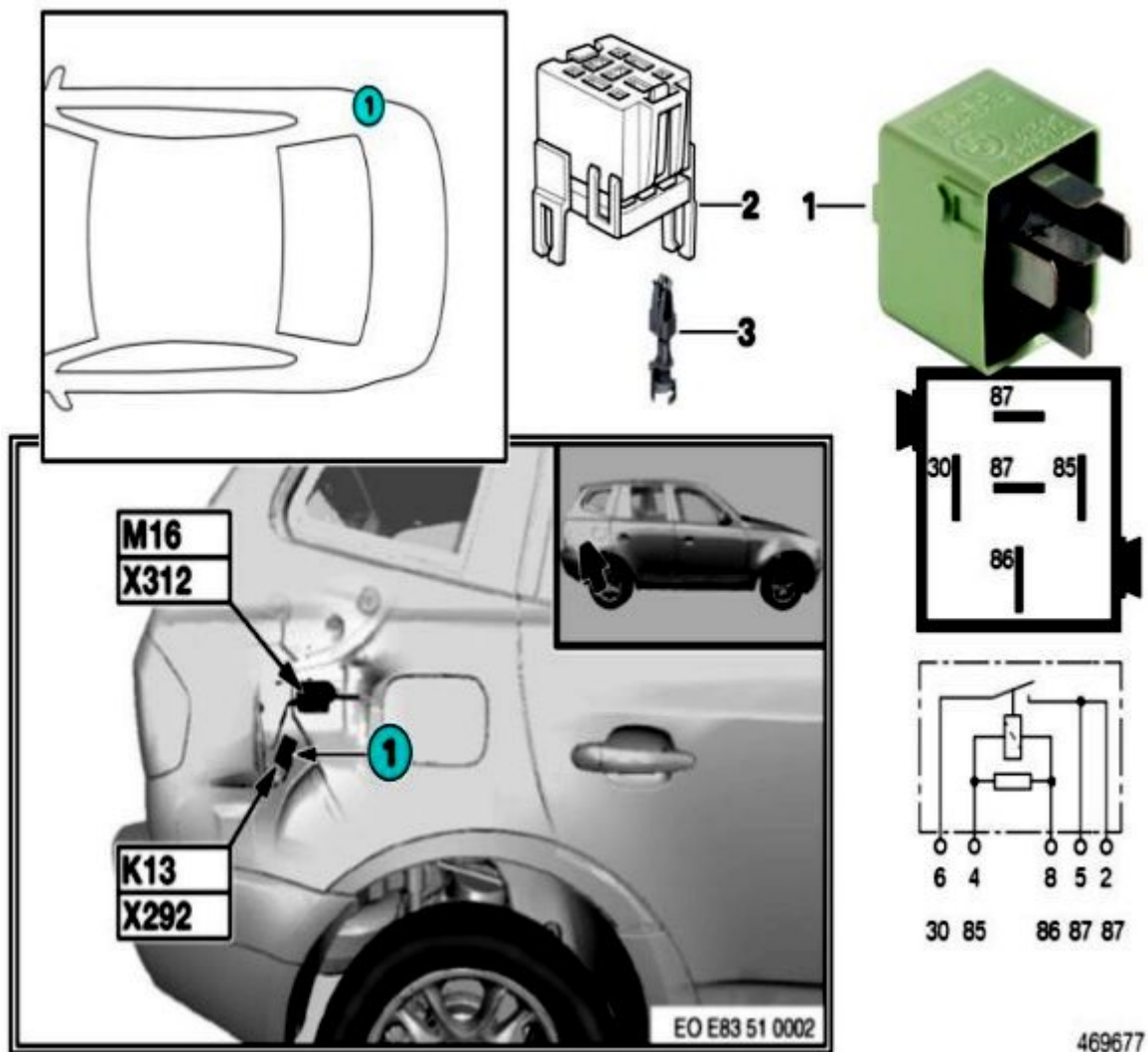


The power pack is located on the battery.

Diagram



No.	Decryption	Amps
3	Dashboard fuse box/relay 1 - fuses F35-F63/F65-F71, Dashboard fuse box/relay 2 - fuses F102/F104-F107.	250
1	Fuse box/relay in luggage compartment 2- fuse F80- without audio system amplifier with stereo speakers	40
2	Engine Management Relay - Diesel	100
5	Transfer case control unit	40
4	Audio output amplifier	30



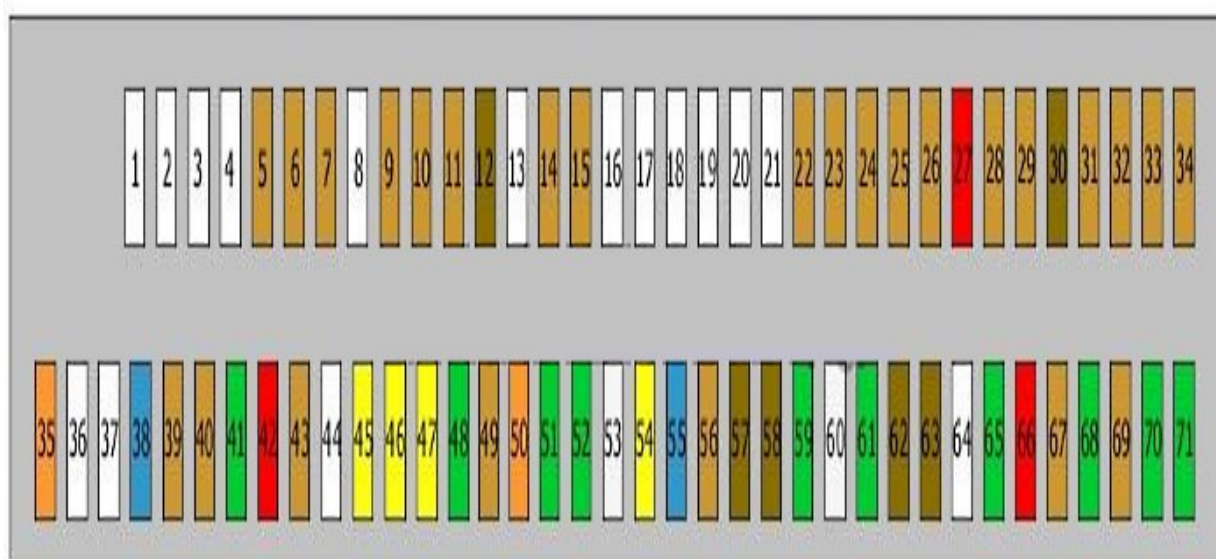
The rear window heater relay module is located under the right side trim.

In the passenger compartment



The mounting block is located behind the glove compartment. In order to access it, unscrew the two clips and pull it downwards.

Diagram



No.	Decryption	A
F1	Empty	

Diagram

F2	Empty	
F3	Empty	
F4	Empty	
F5	Horn (beep)	5
F6	Cosmetic mirror light bulbs	5
F7	Audio system / navigation system / telephone, audio system (09/05->)	5
F8	Empty	
F9	Stop lamp switch (brake pedal position sensor), clutch pedal position sensor, light switch, multifunction control unit, steering column electrical control unit	5
F10	Instrument cluster control unit	5
F11	SRS electronic control unit	5
F12	Multifunction switch - center console	7.5
F13	Empty	
F14	Electronic immobilizer control unit	5
F15	Sunlight sensor, rain sensor, rear window wiper/washer	5
F16	Empty	
F17	Empty	
F18	Empty	
F19	Empty	
F20	Empty	
F21	Empty	
F22	Electronic engine control unit - Diesel	5
F23	Headlight range control unit	5
F24	Interior rear view mirror, parking system control unit	5
F25	Power door mirror door (passenger side), heater and windshield washer nozzles (03/04)	5
F26	BMW X3 E38 cigarette lighter fuse , transfer box control unit	5
F27	Reverse gear sensor, reversing light relay	10

Diagram

F28	Air conditioning/heating system, rear window heater relay	5
F29	ECM, ignition coil relay	5
F30	Diagnostic Connector, Engine Oil Level Sensor, Fuel Heater (Diesel), TCM	7.5
F31	Electrical control unit, driver's door	5
F32	Light switch (09/06)	5
F33	Center console multifunction switch	5
F34	Instrument cluster control unit, fuel pump control unit	5
F35	ABS/ABS ECM - with DSC	40
F36	Fuel Heater, Exhaust Air Pump Relay	60
F37	Cooling fan motor	60
F38	Fog lamp relay	15
F39	Telephone control unit, telephone interface control unit, telephone antenna(^09/05)	5
F40	Steering wheel position sensor, automatic transmission selector lamp	5
F41	Audio system, audio system amplifier	30
F42	Audio/navigation system, CD changer, multifunction display, TV tuner	10
F43	Diagnostic Connector (DLC), multifunction control unit	5
F44	Trailer electrical connector	20
F45	Intermittent wiper (rear)	20
F46	Sunroof electric control unit	20
F47	<u>BMW e83 cigarette lighter fuse, auxiliary equipment power connector</u>	20
F48	Multifunction control box	30
F49	Antenna unit, multifunctional control unit	5
F50	Air conditioner/heater fan motor	40
F51	Headlight washer pump relay	30
F52	Multifunction control box	30
F53	ABS/ABS ECM - with DSC	25

Diagram

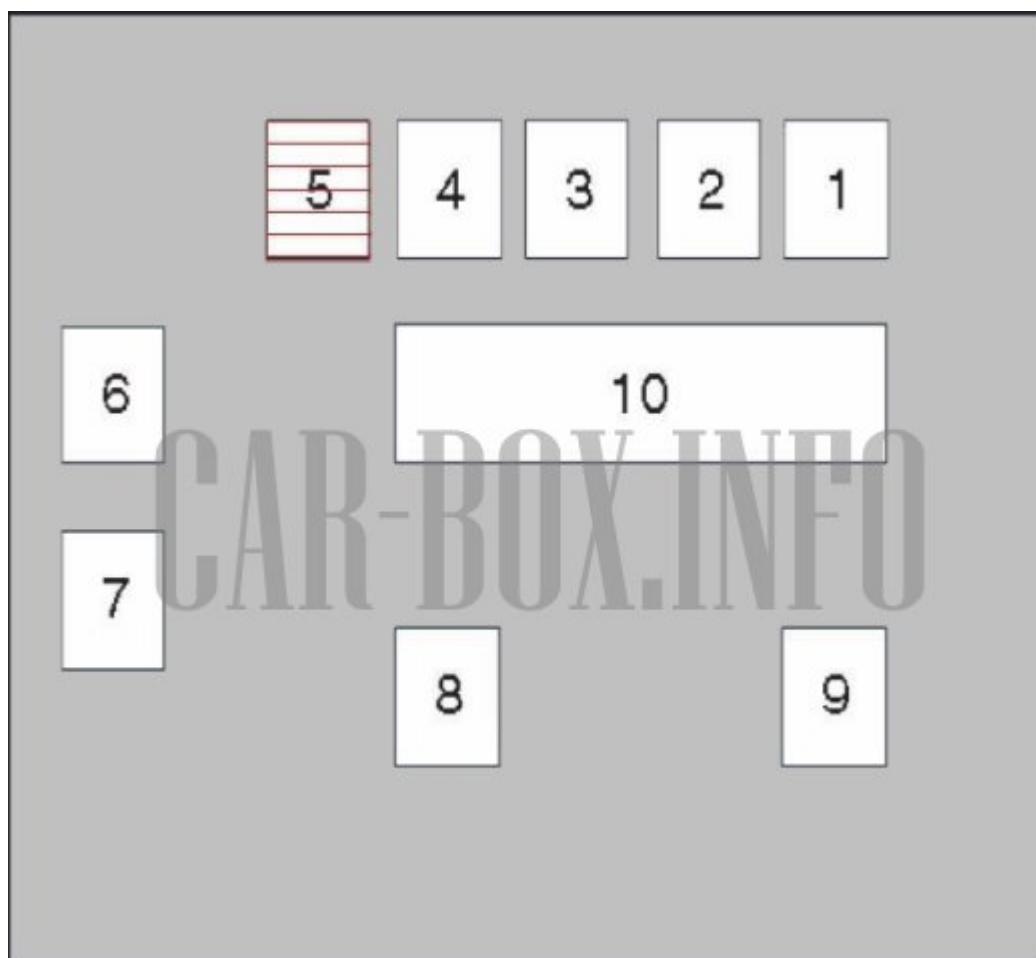
F54	Fuel pump control unit, fuel pump relay	20
F55	Horn relay	15
F56	Electronic transmission control unit (^03/07)	5
F57	Door Electrical Control Module (Driver's Side), Mirror Position Sensor, Power Window Switch	7.5
F58	Headlight Corrector Control Unit (^03/07)	7.5
F59	Windshield wiper motor relay	30
F60	Multifunction control box	25
F61	Center console multifunction switch	30
F62	Additional heater	7.5
F63	Air conditioner compressor solenoid clutch relay	7.5
F64	Empty	
F65	Driver's seat power control unit, driver's seat lumbar adjustment pump switch (03/07)	30
F66	Ignition lock	10
F67	Vehicle tilt sensor (anti-theft system), anti-theft system horn, volume change sensor (anti-theft system), immobilizer, interior rearview mirror	5
F68	Rear window heating	30
F69	Power steering control unit, tire pressure monitoring control unit	5
F70	Passenger Seat Power Control Module, Passenger Seat Lumbar Adjustment Pump Switch (^03/07)	30
F71	Multifunction control box	30
<u>Fuses behind the main panel</u>		

Diagram



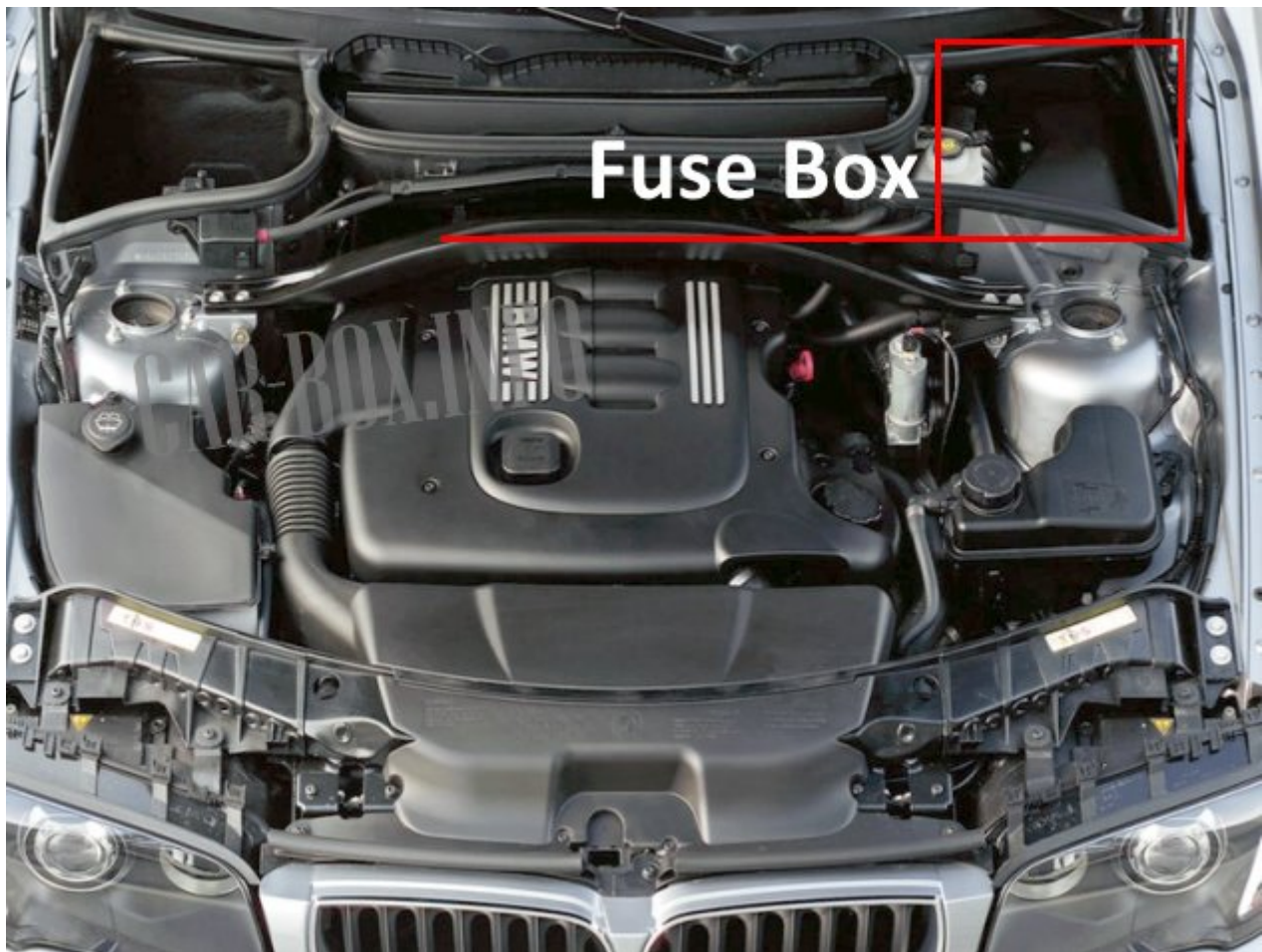
F102	Connector (jumper) - 2.0 / 2.5 gasoline (M54, N46)	80
F105	Ignition lock	50
F106	Ignition lock, lighting control unit	50
F107	Lighting control unit, trailer electrical control unit	50
<u>Relay modules located behind the duffel box (bottom of the main unit).</u>		

Diagram



1	Horn
2	Fog lamps
3	A/C Compressor Magnetic Clutch Relay
4	Fuel module (fuel pump relay)
5	—
6	Air outlet pump
7	headlight washer pump
8	Headlights corrector
9	Power steering
10	Multifunction control unit 1 - functions: Anti-theft system, headlight washers, interior rearview mirror, rear window wiper/washer, windshield wiper/washer

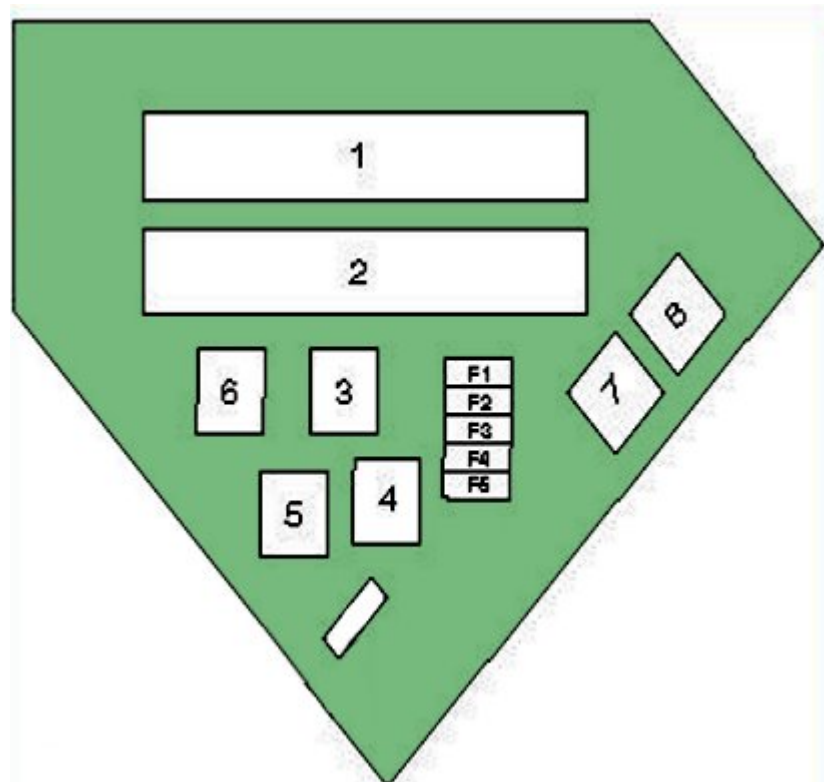
In the underhood space



The unit is located on the left side of the engine compartment, behind the plastic cover.

Diagram

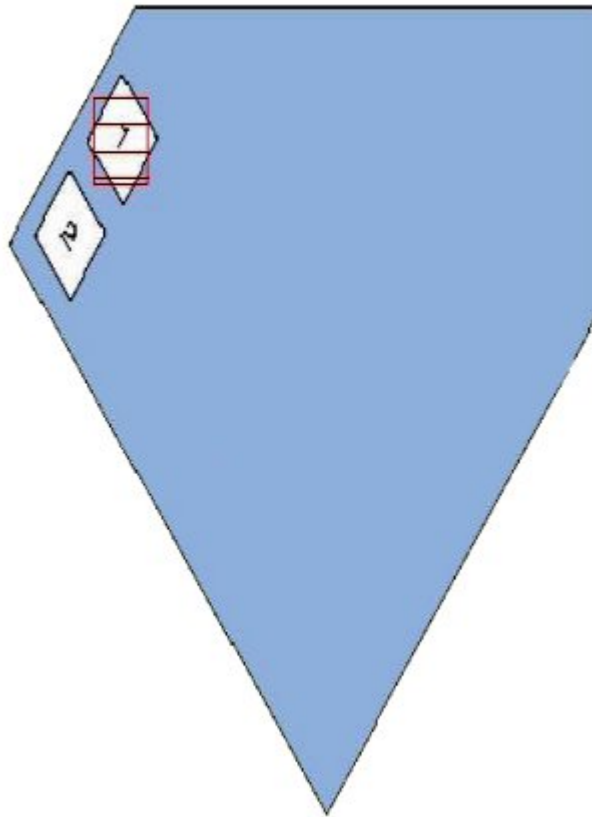
Diagram



No.	Decryption	A
F1	Engine Management System Components	20
F2	Engine management	20
F3	Engine management system components, reversing light relay - 2.5 petrol (M54)	20
F4	Engine management system, ABS system	10
F5	Ignition Coil Relay - 2.0 Petrol (N46)	30
1	the engine control unit	
2	gearbox control unit	
3	Ignition Coil Relay - 2.0 Petrol (N46)	
4	Engine Management Relay - Gasoline	
5	Reverse lamp relay	
6	—	
7	Engine Management Relay - Diesel	
8	Windshield wiper motor relay	

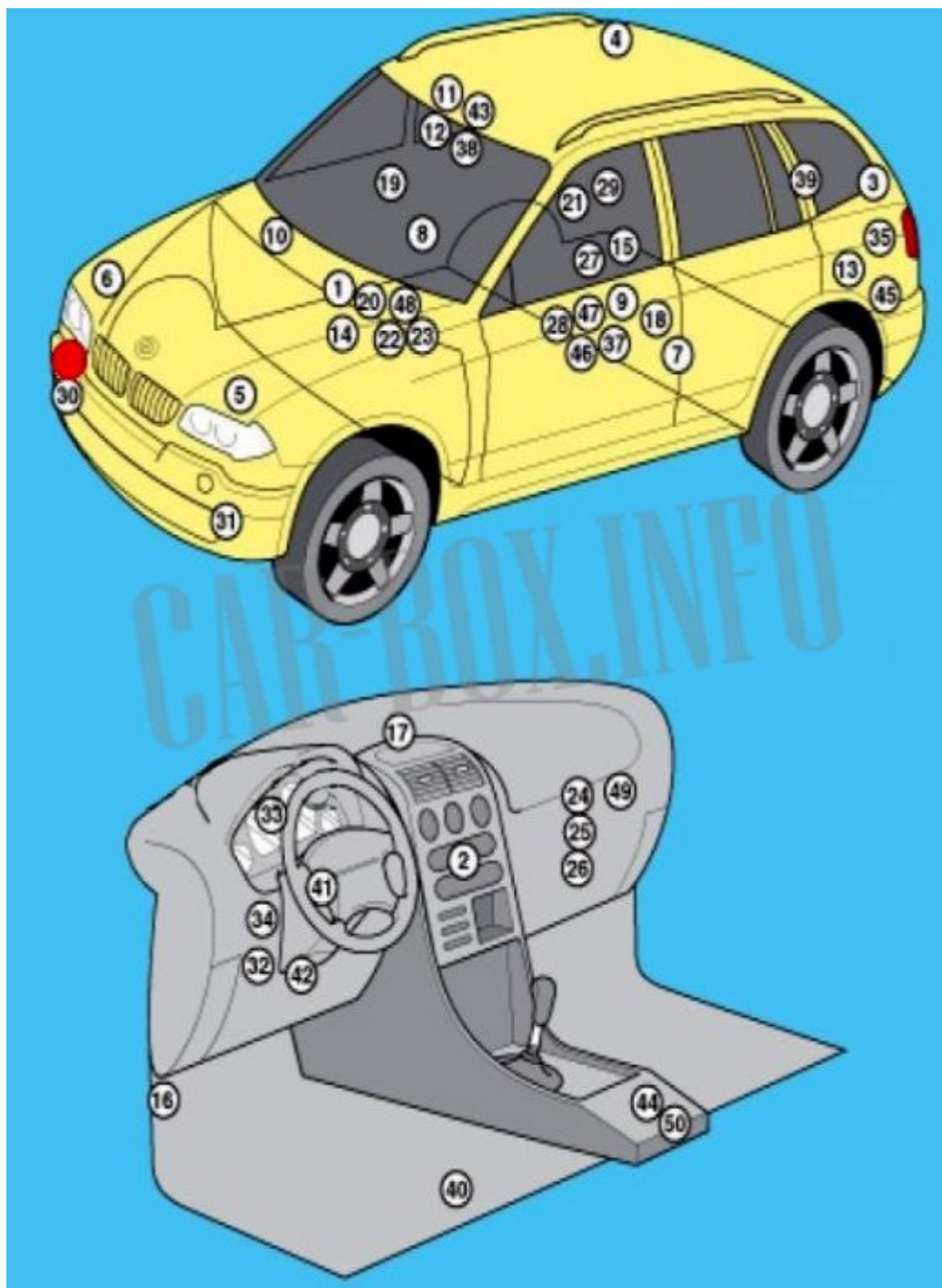
Diagram

From the reverse side



-
- | | |
|---|--------------------------------------|
| 1 | relay valve lift height control unit |
| 2 | crankcase ventilation heater relay |
-

All electrical equipment



General layout of electronic components in the vehicle.

1. ABS control module;
2. Air conditioning control module;
3. Antenna signal amplifier - left rear pillar trim;
4. Antenna signal booster - right rear pillar trim;
5. Impact sensor, left - behind the headlight;
6. Impact sensor, right - behind the headlamp;
7. Side impact sensor, left;
8. Side impact sensor/impact sensor, right side;
9. Vehicle tilt sensor (anti-theft system) - under the floor.;
10. Antitheft system horn - on the resonator of the intake system;

11. Volume change sensor (anti-theft system) - behind the passenger compartment light bulb;
12. Sunlight sensor - upper center of the windshield;
13. Audio system output amplifier;
14. Auxiliary heater;
15. Battery pack - spare wheel well;
16. Diagnostic connector (DLC);
17. Multifunction display/TV tuner;
18. Driver's door electrical control unit;
19. Passenger door electrical control unit;
20. Electronic engine control module;
21. Fuel pump control module;
- 22, 23. Underhood fuse and relay box;
24. Main fuse box in the passenger compartment behind the glove compartment;
25. Additional fuse board behind the main fuse box;
26. Relay modules located at the bottom of the main fuse block;
- 27, 28. Fuse boxes in the luggage compartment - next to the battery and under the floor;
29. Rear window heater relay;
30. Horn 1;
31. Horn 2;
32. Immobilizer control module;
33. Instrument cluster control module;
34. Lighting control module;
35. Navigation system control module;
36. Ambient air temperature sensor;
37. Parking system control module - underfloor;
38. Rain sensor - top center of windshield;
39. Rear window wiper/washer control module - in the tailgate;
40. Power seat control module, driver's side - on the seat;
41. Steering column electrical control module;
42. Steering wheel position sensor;
43. Electric sunroof control module;
44. SRS electronic control module;
45. Telephone control module;
46. Trailer-underfloor electrical control module;
47. Transfer case control module - sub floor;
48. Electronic transmission control module;
49. Tire pressure monitoring system;
50. Lateral movement sensor.