

Fuses and relays Hyundai Santa Fe (CM; 2006 - 2012)

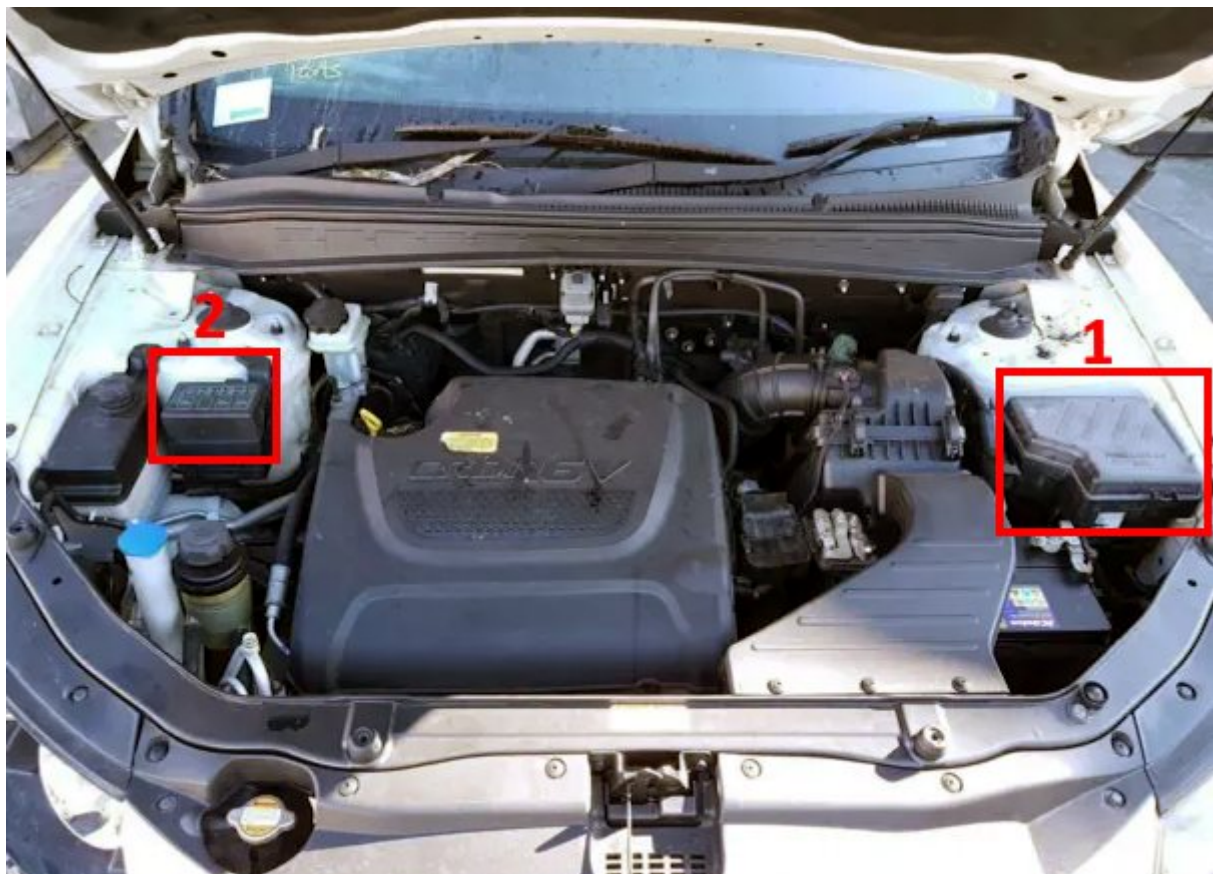
 car-box.info/hyundai/santa-fe/cm-2006-2012.html

The second generation Santa Fe made its debut at the 2006 North American International Auto Show. The first production vehicle rolled off the Hyundai assembly line in Montgomery, Alabama on 18 April 2006. In this article we will understand in detail fuse box diagrams Hyundai Santa Fe (second generation; CM index) 2006, 2007, 2008, 2008, 2009, 2010, 2011, and 2012 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 engine compartment



There are two fuse boxes in the engine compartment: main (1) and auxiliary (2).

Main fuse box

Located on the left side of the engine compartment.

Diagram



No	Description	A
1	B / UP LP - Speed sensor, automatic transmission control unit	10
2	H / LP - headlight unit	10
3	ECU - Engine control unit, automatic transmission control unit	10
4	H / LP HI - High beam lamps	20
5	SENSOR - Immobilizer, fuel pump relay, heating, air conditioning and ventilation system relay	10
6	SENSOR - mass air flow sensor, oxygen concentration sensors	15
7	IG COIL - Ignition coils	20
8	Santa Fe fuel pump fuse	15

Diagram

9	FR WIPER - Windscreen washer, rain sensor, windscreen wiper	25
10	TCU - Automatic transmission control unit	15
11	ABS - Anti lock brake system (ABS) control unit	10
12	COOLING - Heating, air conditioning and ventilation system	10
13	IGN - Ignition switch (lock)	40
14	SENSOR - Engine control unit, solenoid valves for timing change	15
15	ECU MAIN - Engine control unit	40
16	TAIL LH - Left rear sidelight bulb	10
17	SPARE	-
18	SPARE	-
19	SPARE	-
20	SPARE	-
21	SPARE	-
22	FR FOG - Fog lamps	10
23	B + - Main fuse	50
24	CON FAN - Heating, air conditioning and ventilation system	30
25	IGN - Ignition switch (lock), starter relay	40
26	ABS - Anti lock brake system (ABS) control unit	40
27	RAD FAN - Engine cooling radiator fan motor	40
28	ABS - Anti lock brake system (ABS) control unit	20
29	A / CON - Heating, air conditioning and ventilation system	10
30	ATM - Body ECM, ECM, Automatic Transmission Control Module, Reversing Lights	20
31	P / WDW - Power windows	40
32	Reserve	-
33	B + - Anti-theft alarm system, power seat control unit, fog lights, headlight washer	50
34	TAIL RH - Right rear sidelight bulb	10

Diagram

35	DSL - Fuse block	125
36	HORN - Sound signal	15
37	BLR - Engine cooling system radiator fan motor	40
38	H / LP LO LH - Dipped beam bulb of the left headlamp	15
39	H / LP HI IND - Instrument cluster	10
40	ALT DSL - Alternator	10
41	DEICER - Windscreen blowing mode	15
42	RR HTD - Heated tailgate window	30
43	Reserve	-
44	H / LP LO RH - Low beam lamp, right headlamp	15
45	ALT - Main fuse	150

Relay modules

R1	ATM - Reverse lights
R2	RAD FAN - Radiator Fan Motor
R3	FR FOG - Fog lamps
R4	A / CON - heating, air conditioning and ventilation
R5	A / CON - High beam lamps
R6	ECU MAIN - Engine control unit
R7	START - Starter
R8	CON FAN - heating, air conditioning and ventilation
R9	CON FAN - heating, air conditioning and ventilation
R10	TAIL LP - Side light bulbs
R11	H / LP LO LH - dipped beam left headlamp
R12	H / LP LO RH - dipped beam right headlamp
R13	RR HTD - rear door window electric heating
R14	DEICER - blowing windshield
R15	HORN

Diagram

R16 FR WIPER - windshield washer

R17 RAIN SNRS - Rain sensor

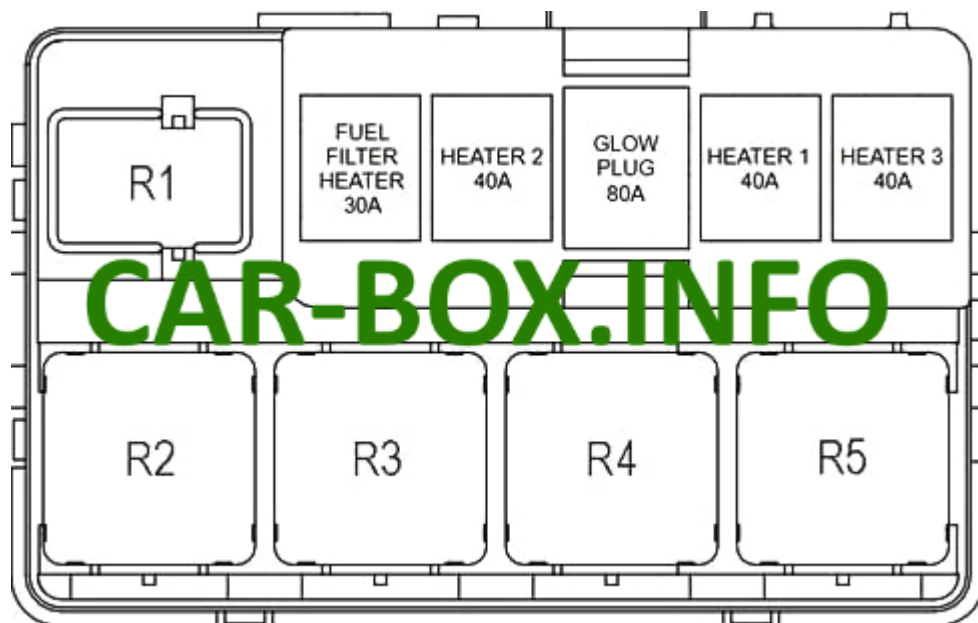
R18 **Hyundai Santa Fe Fuel pump relay**

Additional fuse block



It is installed mainly on models with diesel engines.

Diagram



No	Amps / Description	A
GLOW	Glow plug relay	80
FUEL	Fuel filter heater	30
PTC # 1	Heater relay PTC 1	40
PTC # 2		
PTC # 3		
R1	Fuel filter heater	
R2	Heater PTC 2	
R3	Reserve	
R4	Heater PTC 1	
R5	Heater PTC 3	

In the passenger compartment



Located under the dashboard behind the protective cover.

Diagram



No	Description	A
1	START - Anti-theft system	10
2	P / WDW LH - Power window, left rear door	30
3	P / WDW RH - Power window, right rear door	30
4	S / ROOF - sunroof	20
5	P / SEAT - Power seat control unit	30

Diagram

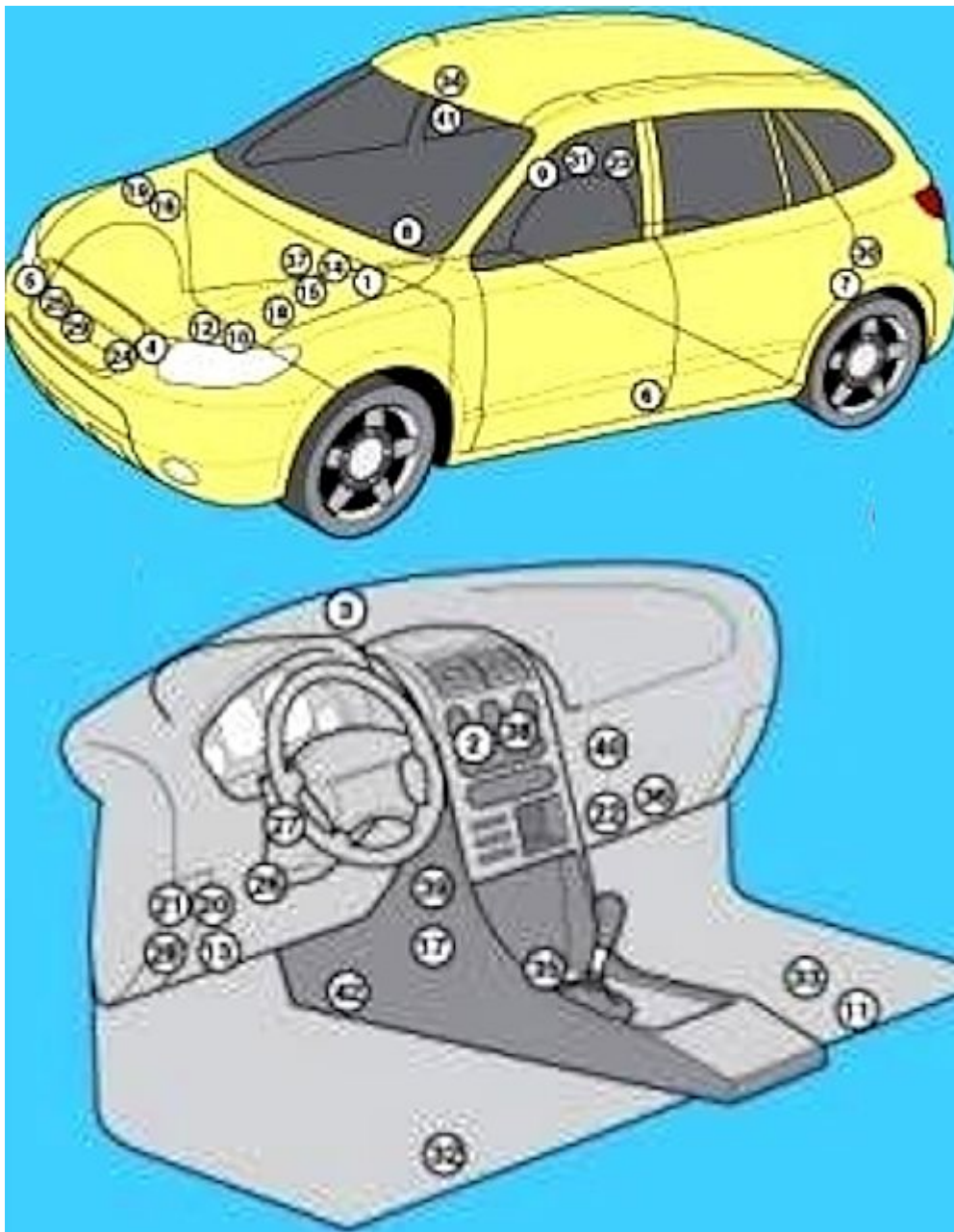
6	SAFATY PWR - Module power windows	30
7	MIRR HTD - Mirror control unit	10
8	A / BAG 2 - Passive safety system control unit, Airbags	15
9	A / BAG 1 - Passive safety system control unit, Airbags	15
10	ROOM LP - Instrument panel, lamps for front door light bulbs, lamps for interior lights	10
11	A / CON - Heating, air conditioning and ventilation control unit	10
12	S / WARMER - Driver and front passenger seat heating switches	25
13	P / AMP - Audio amplifier	30
14	<u>P / OUTLER CTR - 12 V socket for connection of auxiliary equipment in the floor tunnel liner</u>	15
15	<u>P / OUTLET - 12V Socket for connecting additional equipment in the luggage compartment</u>	25
16	C / LIGHTER - Cigarette lighter fuse	15
17	DR / LOCK - Central locking system of door locks	20
18	A / BAG IND - Instrument cluster	10
19	ATM LOCK - Exterior light switch lever, steering shaft position sensor, ESP switch	10
20	T / SIG - Hazard switch	10
21	Reserve	-
22	ADG PEDAL - Brake light switch	15
23	HAZARD - Hazard switch, exterior light switch lever, body electrical control unit, mirror control unit	15
24	RR WIPER - Rear door wiper	15
25	Reserve	-
26	A / CON SW - Heating, air conditioning and ventilation control unit	10
27	CLASTER - Instrument panel, audio head unit, tire pressure monitoring module (depending on equipment)	10
28	BCM 1 - Body control module	10
29	FUEL LID - Fuel filler cap lock actuator	15

Diagram

30	B / ALARM HORN - Sound alarm of the anti-theft system	10
31	RR A / CON - Heating, air conditioning and ventilation control unit	15
32	RR FOG / BWS - Fog lamps	10
33	IMS - Rain sensor	10
34	AUDIO 2 - Audio system head unit, digital clock, mirror control unit	10
35	BLOWER - Air blower	30
36	STOP LP - Brake light switch	15
37	DRL - Daytime running lights	20
38	BCM 3 - Body electronic control module	10
39	CLOCK - Digital clock	15
40	AUDIO 1 - Audio system head unit, digital clock	15
41	ATM - Interior lamps, luggage compartment lamp, instrument cluster	10
42	Reserve	-
43	BCM 2 - Power seat control unit	10

General arrangement

Location of the electronic control units.



-
- 1 ABS electronic control unit - near the brake booster
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- 2 Air conditioning / heater control unit - in the air conditioning / heater control panel
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- 3 Sunlight sensor (air conditioning system)
-
- 4 Shock sensor (SRS), left.
-
- 5 Shock sensor (SRS), right
-
- 6 Side impact sensor, driver's side - B-pillar
-
- 7 Side impact sensor, rear left
-
- 8 Side impact sensor, passenger side - B-pillar
-
- 9 Side impact sensor, rear right
-

10	Anti-theft alarm horn - Left suspension strut
11	Audio Output Amplifier - Under Seat
12	Accumulator battery
13	Diagnostic connector (DLC) 1 (16-pin)
14	Diagnostic connector (DLC) 2 (20-pin) - near the brake booster
15	Electronic engine control unit
16	Electronic control unit for engine mounts
17	Engine oil level control unit - behind the center of the dashboard
18	Fuse and relay box, engine compartment 1
19	Fuse and relay box, engine compartment 2
20	Fuse / relay box, instrument panel
21	Heater blower motor relay - in the under-dash fuse / relay box
22	Heater blower motor resistor (front) - behind the glove box
23	Heater blower motor resistor (with rear air conditioner) - right side of luggage compartment
24	Horn, lion.
25	Sound signal, right.
26	Electronic immobilizer control unit - on the steering column
27	Immobilizer ring antenna - near the ignition switch
28	Multifunction control unit - in the underhood fuse / relay box - functions: Air conditioning / heater fan motor, anti-theft system, central locking, daytime running lights, heated door mirrors, fully closed doors, power windows, fog lights, warning lights, headlight washers, rear window defogger, interior lamps, front position lights, rear position lights, windshield wiper / washer
29	Ambient temperature sensor
30	Parking system control unit - luggage compartment left
31	Rear window wiper / washer control unit - C-pillar
32	Driver's seat heating control unit - under the seat
33	Passenger Seat Heating Control Unit - Under Seat
34	Sunroof motor control unit - in the sunroof motor
35	SRS electronic control unit

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- 36 Transfer case control unit - next to the heater blower motor
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- 37 Electronic gearbox control unit (automatic transmission) - petrol - in the electronic engine control unit
-
- 38 Electronic gearbox control unit (automatic transmission) - Diesel - behind the glove box
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- 39 Selector lever and / or ignition key lock control unit
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- 40 Transmission control relay 1
-
- 41 Rain sensor (windscreen wiper)/Sun sensor
-
- 42 Side Displacement Sensor - Under Mat