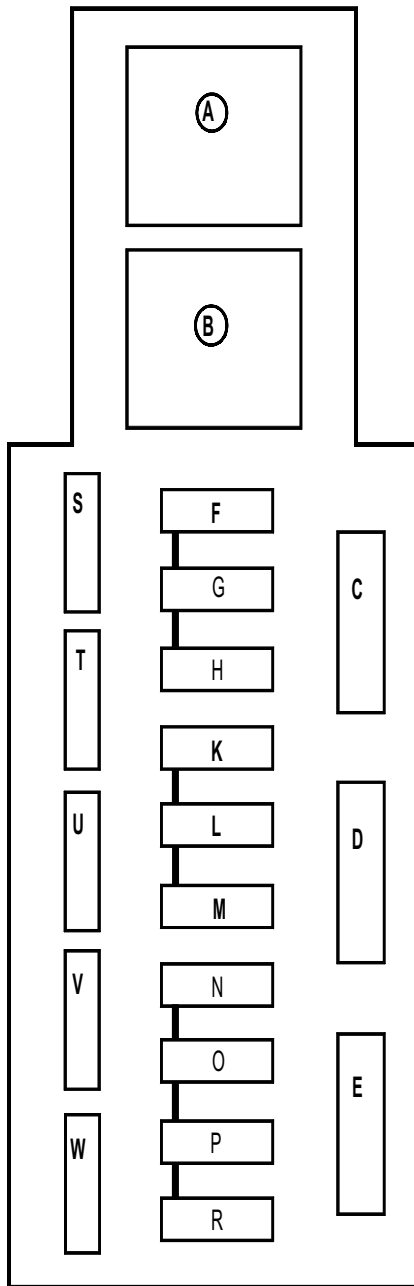


# Fuses and relays

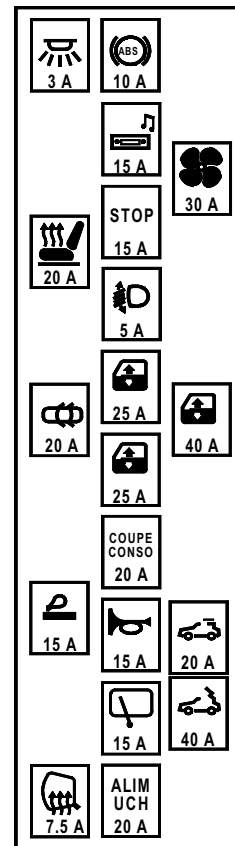
## PASSENGER COMPARTMENT FUSE AND RELAY BOX (260)

### location

This unit is located in the passenger compartment, in the lower left-hand section of the dashboard.













SE2158



SE2212






# Fuses and relays

Allocation of fuses and relays (according to equipment level)

No.	Symbol	Amps	Connection	Description
C		30A	SP3	<b>Fuse:</b> passenger compartment ventilation (319)
D		40A	BP87 or BP48	<b>Fuse:</b> rear electric windows (201-202) or electric windows relay (703).
E	 	20A	BP93	<b>Fuse:</b> electric sunroof (304) <b>on K84 and L84</b>
		or 40A	BP51	<b>Fuse:</b> sunroof hydraulic unit relay (1487) <b>on E84</b>
F		10A	SP15	<b>Fuse:</b> ABS computer (118) or Electronic Stability Program (1094)
G		15A	SP2	<b>Fuse:</b> radio (261)- multifunction display (653)- headlight washer pump relay (753)- headlight washer pump relay 2 (1338)- first row cigarette lighter <b>on K84 and L84</b> (101)- driver and passenger heated seat (385-386)- bidirectional windscreen and rear screen washer pump (677)- diesel heater relay (450 via 1337)- air conditioning control panel (319)- air conditioning control unit (419)- rigid retractable roof computer <b>on E84</b> (1476)- return sensor <b>on E84</b> (1545)- interior rear-view mirror <b>on E84</b> (1340)- Central communication unit (1125)- Central alarm unit (427)-
H	STOP	15A	SP17	<b>Fuse:</b> brake lights (160-1524)
K		--	--	Not in use
L		25A	BP55	<b>Fuse:</b> Driver's electric window (203)
M		25A	BP70	<b>Fuse:</b> passenger electric window (204) - electric windows relay (703).
N	COUPE CONSO	20A	BCP3	Consumer cut-out <b>fuse:</b> - instrument panel (247) - radio (261) - multifunction display (653) - electric door mirror switch (134) - alarm control unit (427)
O		15A	BP32	<b>Fuse:</b> main electromagnetic horn (105) - diagnostic socket (225) - headlight washer pump relay (753) - headlight washer pump relay 2 (1338) - rigid retractable roof computer <b>on E84</b> (1476) - driving school monitor control (469)
P		15A	BP25	<b>Fuse:</b> rear screen wiper motor <b>on K84</b> (211)
R	ALIM UCH	20A	BP77	<b>Fuse:</b> UCH(645) air conditioning control unit (419)- accessories relay 1 (1155) (on relay plate 260 mark B)

## Fuses and relays

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<b>S</b>		3A	AP1A	<p><b>On K84 and L84</b></p> <p><b>Fuse:</b> passenger compartment temperature sensor fan (418) - interior rear-view mirror (1340) - light and rain sensor (1415)</p>
<b>T</b>		20A	BPR1	<p><b>Fuse:</b> passenger and driver's heated seat (385-386)</p>
<b>U</b>		20A	BP3	<p><b>Fuse:</b> electric locking or dead-locking of doors (645)</p>
<b>V</b>		15A	SP4G	<p><b>On E84</b></p> <p><b>Fuse:</b> cigarette lighter (101)</p>
<b>W</b>		7.5A	15RP	<p><b>Fuse:</b> passenger and driver's heated door mirrors (239-240)</p>
<b>A</b>		40A		<p><b>Relay:</b> electric window (703)</p>
<b>B</b>		40A		<p><b>Relay:</b> accessories 1 (1155)</p>

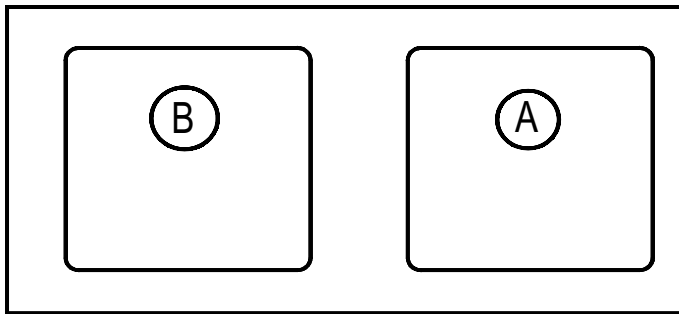
# Fuses and relays

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## RELAY PLATE (1173)

### location

This unit is located under the dashboard on the left-hand side of the passenger compartment fan assembly.



SE2187

### Allocation of relays (depending on equipment level)

No.	Amps	Description
A	40A	<b>Relay:</b> 330W auxiliary heating 1 (1067)
B	70A	<b>Relay:</b> 660W auxiliary heating 2 (1068)

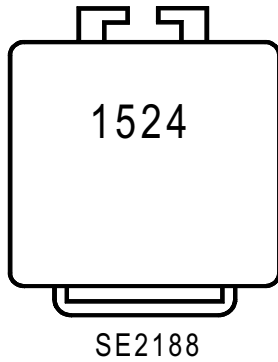
# Fuses and relays

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## RELAY UNIT (1524)

### location

This relay is located on the accelerator pedal mounting.



### Allocation of relays (depending on equipment level)

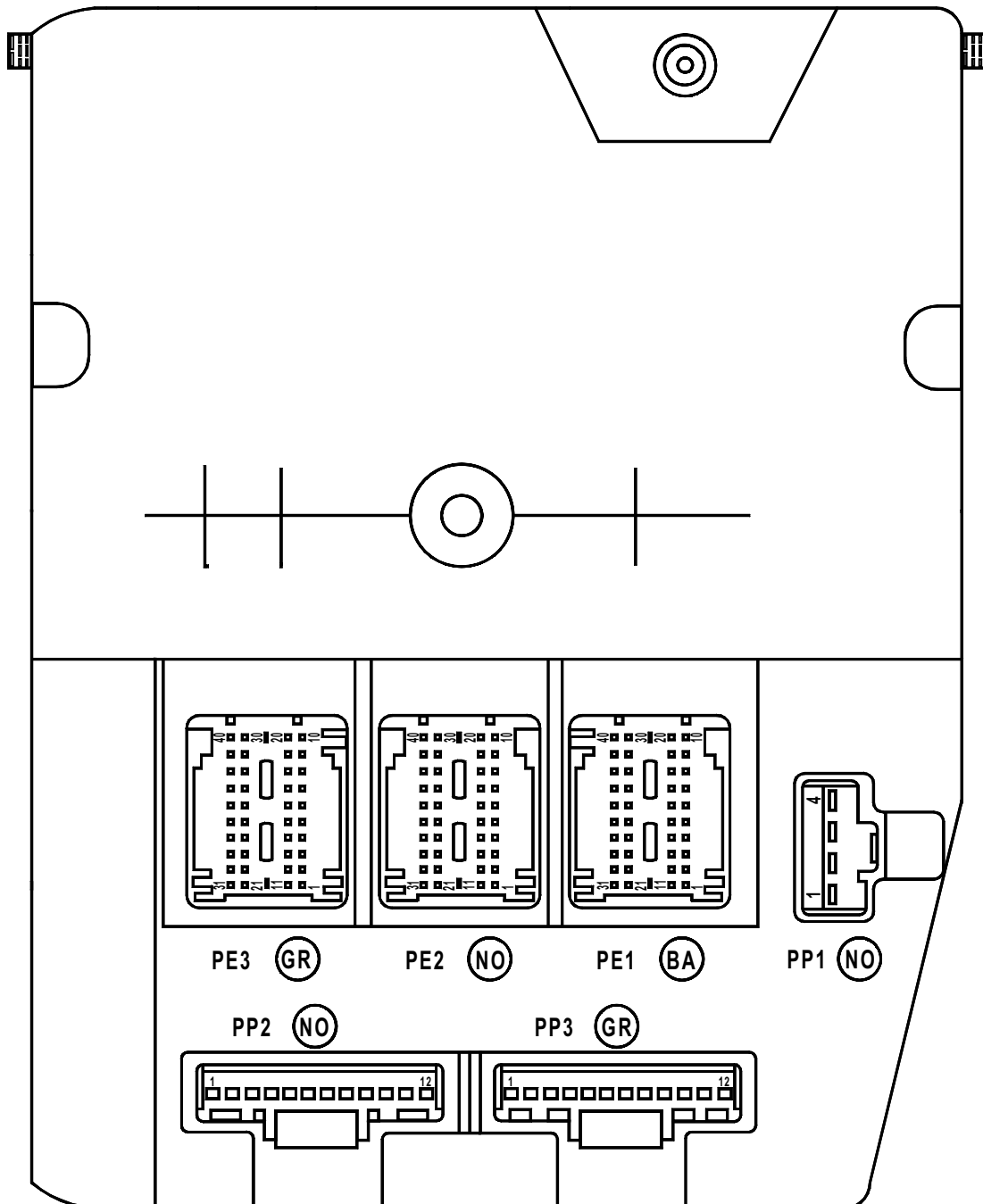
Amps	Description
40A	<b>Relay:</b> brake lights lighting (1524) controlled by the ESP ECU(1094).

# Fuses and relays

## UCH (645)

### location

This unit is located in the passenger compartment, in the lower left-hand section of the dashboard.



SE2160

# Fuses and relays

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Allocation (according to the equipment level)

PE1(40-track connector) **WHITE**

<b>BROWN</b>		
<b>Track</b>	<b>Connection</b>	<b>Description</b>
1	26J	Safety Hall sensor-control
2	47Z	External temperature / display signal
3	64F	Hazard warning lights + control
4	26BC	Card Location LED Control
5	26X	Clutch - signal
6	20AW	One-touch door locking/unlocking control
7	26N	Engine start/stop + signal
8	87T	Rear luggage compartment door position 1 switch signal
9	20T	Child safety LED - control
10	--	Not in use
11	20AL	Rear internal locking control
12	16A	Windscreen washer pump + control
13	26M	Engine running indicator light control
14	20M	Door locking LED
15	87G	Passenger position 1 switch signal
16	87B	Right-hand rear position 1 switch - signal
17	87H	Driver's position 1 signal switch - signal
18	20BG	Rear doors deadlocking status signal
19	87A	Left-hand rear position 1 switch - signal
<b>GREEN</b>		
<b>Track</b>	<b>Connection</b>	<b>Description</b>
20	--	Not in use
21	--	Not in use
22	--	Not in use
23	--	Not in use
24	--	Not in use
25	--	Not in use
26	--	Not in use
27	--	Not in use
28	--	Not in use
29	--	Not in use
30	--	Not in use
31	--	Not in use
32	--	Not in use
33	--	Not in use
34	--	Not in use
35	--	Not in use
36	--	Not in use
37	--	Not in use
38	--	Not in use
39	--	Not in use
40	--	Not in use

# Fuses and relays

Allocation (according to equipment level)

PE2(40-track connector) **BLACK**

<b>BROWN</b>		
<b>Track</b>	<b>Connection</b>	<b>Description</b>
1	14S	Rain sensor serial line signal
2	141H	Column-mounted control information display line 5 signal
3	47C	External air temperature sensor + signal
4	141D	Column-mounted control information display line 3 signal
5	141N	Column-mounted control information display column 4 signal
6	CANH	CAN H fault finding signal
7	21K	Anti-pinch sunroof electric window serial line signal
8	133B	Instrument panel CAN H signal > ECU
9	141K	Column-mounted control information display column 1 signal
10	26AZ	Keyless vehicle steering column lock CAN H signal
11	141G	Column-mounted control information display line 4 signal
12	141C	Column-mounted control information display line 2 signal
13	47D	External temperature sensor 0V signal
14	141B	Column-mounted control information display line 1 signal
15	141L	Column-mounted control information display column 2 signal
16	CANL	CAN L fault finding signal
17	141M	Column-mounted control information display column 3 signal
18	133C	Instrument panel CAN L signal > ECU
19	141P	Column-mounted control information display column 5 signal
20	26BA	Keyless vehicle steering column lock CAN L signal
<b>GREEN</b>		
<b>Track</b>	<b>Connection</b>	<b>Description</b>
21	26BH	+ Card reader
22	38JV	PTC (Positive Temperature Coefficient ceramic) relay control 2
23	--	Not in use
24	15M	Heated rear screen relay - control
25	26BK	- Card reader
26	38ES	Air conditioning indicator light - control
27	65A/65G	Brake light + control / Brake light control > relay
28	24A	Rear screen washer pump + control
29	80T	Software lock indicator light - control
30	38LP	Air conditioning start/stop control
31	--	Not in use
32	38LQ	Fan assembly 0 speed signal
33	38JU	PTC (Positive Temperature Coefficient ceramic) relay control 1
34	S	+ Accessories feed
35	64Q	Central flasher unit timer + control
36	5A	Brake pedal switch + signal
37	36C	Rear screen wiper park position switch - signal
38	15A	Rear screen de-icing warning light control
39	26BG	Card reader / UCH data signal
40	26BD	Card reader / UCH synchronisation signal



# Fuses and relays

## Allocation (according to equipment level)

PE3(40-track connector) **GREY**

<b>BROWN</b>		
<b>Track</b>	<b>Connection</b>	<b>Description</b>
1	--	Not in use
2	--	Not in use
3	26P	+ Door handle infrared sensor
4	26AR	Level 2 keyless vehicle luggage compartment lid switch / locking signal
5	20G	Tailgate motor opening control
6	26AQ	Keyless vehicle passenger side door switch / locking signal
7	--	Not in use
8	--	Not in use
9	--	Not in use
10	--	Not in use
11	--	Not in use
12	--	Not in use
13	39G	Headlight washer relay 1 + control
14	39H	Headlight washer relay 2 + control
15	20AH	Opening window status signal
16	20J	Rear screen motor opening
17	--	Not in use
18	--	Not in use
19	--	Not in use
20	--	Not in use
<b>GREEN</b>		
<b>Track</b>	<b>Connection</b>	<b>Description</b>
21	26T	Driver's door handle sensor infrared signal
22	26S	Driver's side rear handle sensor infrared signal
23	26Q	Passenger side sliding side-opening door handles sensor infrared signal
24	26AU	Keyless vehicle internal aerial 1 signal 2
25	26AT	Keyless vehicle internal aerial 1 signal 1
26	26AY	Keyless vehicle internal aerial 3 signal 2
27	26AB	Keyless vehicle driver's door external aerial signal B
28	26AG	Keyless driver's rear door vehicle external aerial signal A
29	26AN	Keyless vehicle luggage compartment lid external aerial signal 2
30	26AP	Keyless vehicle driver's side side-opening doors switch / locking signal
31	26AD	Keyless vehicle right-hand front door external aerial signal 2
32	26AL	Keyless vehicle passenger rear door aerial signal B
33	26AK	Keyless vehicle passenger rear door external aerial signal A
34	26AC	Keyless vehicle passenger front door external aerial signal A
35	26AW	Keyless vehicle internal aerial 2 signal 2
36	26AV	Keyless vehicle internal aerial 1 signal 2
37	26AX	Keyless vehicle internal aerial 3 signal 1
38	26AH	Keyless vehicle driver's rear door aerial signal B
39	26AA	Keyless vehicle driver's door external aerial signal A
40	26AM	Keyless vehicle tailgate external aerial signal A

# Fuses and relays

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## Allocation (according to equipment level)

PP1(4-track connector) **BLACK**

Track	Connection	Description
1	MAM	Left side of instrument panel cross member electrical earth
2	--	Not in use
3	BP77	+ Protected battery > Passenger compartment ECU
4	BPS1	+ Safety protected battery

## Allocation (according to equipment level)

PP2(12-track connector) **BLACK**

Track	Connection	Description
1	26l	+ Column lock
2	APCB	Protected + after ignition feed / Column lock fuse contact normally closed
3	36A	Rear screen wiper + control
4	BP25	Rear screen wiper protected battery + feed
5	20BH	Fuel flap / Driver's door locking motor control
6	20BC	Fuel flap / Driver's door opening motors control
7	20BK	Rear doors / Passenger door locking motors control / glove compartments on E84
8	20BD	Rear doors / front passenger door locking motors control / glove compartments on E84
9	BP3	Electric door locking protected battery + feed
10	20X	Front deadlocking motor control
11	20W	Rear deadlocking motor control
12	--	Not in use

## Allocation (according to equipment level)

PP3(12-track connector) **GREY**

Track	Connection	Description
1	13E	Courtesy light > Timer - control
2	NAM	Left-hand upper cross member electronic earth
3	BPT	Timer protected battery + feed
4	64C	Left-hand indicator lights control
5	64D	Right-hand indicator lights control
6	9P	Protected rear fog lights + control
7	20S	Tailgate opening motor authorised supply
8	20AG	Rear screen opening motor authorised supply
9	BPT2	Timed lighting protected battery + feed
10	13AC	Lighting timer unit + control
11	--	Not in use
12	--	Not in use

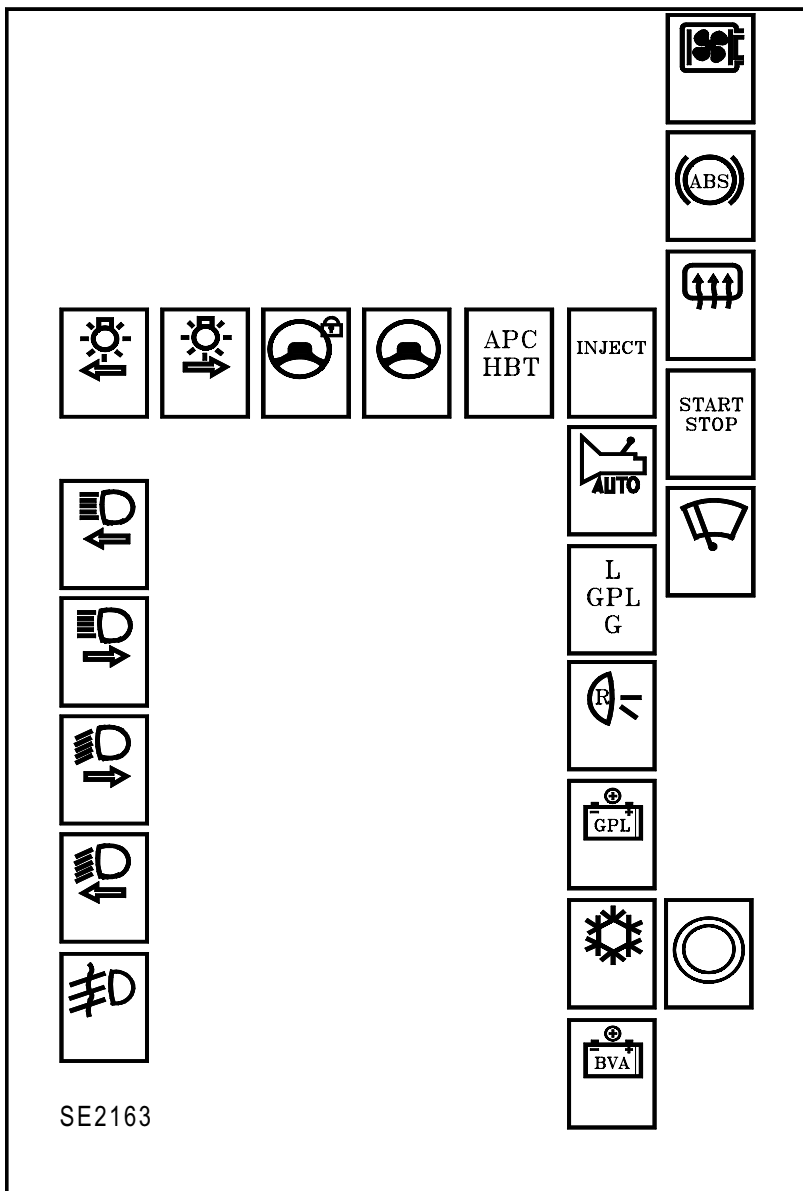
# Fuses and relays

## PROTECTION AND SWITCHING UNIT (1337)

### location

This unit is located in the engine interconnection unit (in the engine compartment).








### Table of fuses














# Fuses and relays

## PROTECTION AND SWITCHING UNIT (1337)

Allocation of fuses (depending on equipment level).

No.	Symbol	Amps	Connection	Description
F3	START STOP	25A	(internal)	<b>Fuse:</b> starter motor solenoid (163)
F4		10A	internal	<b>Fuse:</b> air conditioning compressor clutch
F5A		15A	APCB	<b>Fuse:</b> steering column electric lock (1088)
F5C		10A	AP11	<b>Fuse:</b> reversing lights (172)
F5D	INJECT	5A	AP15	<b>Fuse:</b> injection computer + after ignition feed (120) - steering column electric lock (1088)
F5E		5A	AP44	<b>Fuse:</b> airbag + after ignition feed and electric power assisted steering (756-1232)
F5F	APC HBT	7.5A	AP43	<b>Fuse:</b> passenger compartment + after ignition: gear lever display (1129) - shift pattern control (129) - cruise control/speed limiter on/off control (1081) - driving school monitor control (469) - passenger compartment fuse and relay box (260) - auxiliary heater relay 1 (1067) - auxiliary heater relay 2 (1068) - diagnostic socket (225) - hands-free telephone radio microphone (789) - rain and light sensor <b>on E84</b> (1415) - passenger compartment temperature sensor <b>on E84</b> (418)
F5H		5A	AP4	<b>Fuse:</b> automatic gear box + after ignition feed (119)
F5G	L GPL G	10A	AP31	<b>Fuse:</b> liquid petroleum gas injection computer + after ignition feed (997)
F6		30A	(internal)	<b>Fuse:</b> heated rear screen (200)
F7A		7.5A	LPD	<b>Fuse:</b> right-hand side light (172-226) - cruise control stop/start control (1081) - ESP stop/start button (1106) - gear selector lever display (1129) - left-hand heated seat control (1514) - right-hand heated seat control (1513) - rigid roof switch (1482) - windscreen simultaneous control (854) - LPG or petrol selector switch (1003)

## Fuses and relays

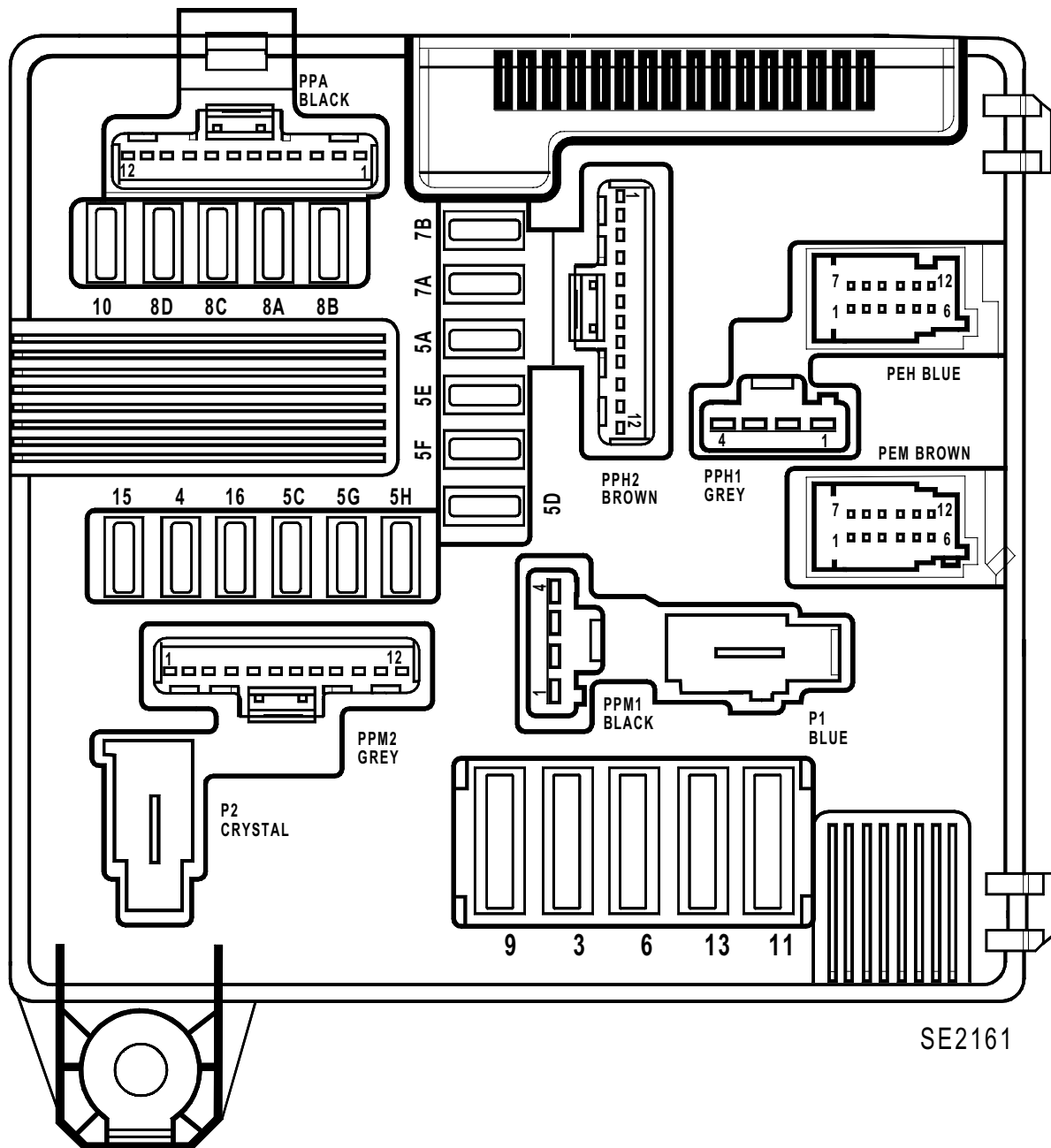
F7B		7.5A	LPG	<b>Fuse:</b> left-hand side lights (173-227) - cigarette lighter (101) - hazard warning lights and door locking switch (1391) - headlight adjustment rheostat switch (1390) - air conditioning control panel (319) - radio (261) - multifunction display (653) - CCU (1125) - CD changer (1272) - driver's dual front electric window control (1512) - electric door mirror control (134) - rear electric window locking control (135) - driver's dual rear window control (1511) - passenger electric window control (133) - rear right-hand electric window control (130) - rear left-hand electric window control (131)
F8A		10A	RPD	<b>Fuse:</b> right-hand main beam headlight (226)
F8B		10A	RPG	<b>Fuse:</b> left-hand main beam headlight (227)
F8C		10A	CPD	<b>Fuse:</b> right-hand dipped beam headlight (226) - rear height sensor (1372) - front height sensor (1373) - headlight adjustment rheostat switch (1390) - right-hand headlight adjustment motor (538)
F8D		10A	CPG	<b>Fuse:</b> left-hand dipped beam headlight (227) - left-hand headlight adjustment motor (537)
F9		25A	(internal)	<b>Fuse:</b> windscreen wiper motor (212)
F10		20A	8F - 8E	<b>Fuse:</b> front left and right-hand fog lights (176-177)
F11		40A	(internal)	<b>Fuse:</b> cooling fan unit (188)
F13		25A	BP14	<b>Fuse:</b> ABS computer (118) or Electronic Stability Program (1094)
F15		20A	BP42	<b>Fuse:</b> automatic gearbox + battery feed (119) or gas solenoid valve relay + battery feed (299)
F16		10A		Not in use

# Fuses and relays

## PROTECTION AND SWITCHING UNIT (1337)

### location

This unit is located in the engine interconnection unit (in the engine compartment).



# Fuses and relays

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## Allocation (according to equipment level)

PEH (12-track connector) **BLACK**

Track	Connection	Description
1	AP15	Engine function fuse protected + after ignition feed
2	--	Not in use
3	SP2	+ Protected accessories > Radio ( <b>input</b> )
4	32B	Oil - oil level sensor signal 1
5	32A	Oil - oil level sensor signal 2
6	14M	Front wiper park position control > Computer
7	4DN	Anti-lock braking system CAN LOW signal
8	CANL	CAN L fault finding signal
9	3SN	Engine 2 CAN L signal
10	CANH	CAN H fault finding signal
11	4DM	ABS CAN HIGH signal
12	3SM	Engine CAN HIGH signal

## Allocation (according to equipment level)

PPH1(4-track connector) **GREY**

Track	Connection	Description
1	BP14	+ Protected battery > Anti-lock braking system
2	15LP	Protected rear screen heating + control
3	MAS	Left-hand front side member electronic earth
4	3FB	+ Injection > Protection relay (BP31 relayed)

## Allocation (according to equipment level)

PPH2 (12-track connector) **BROWN**

Track	Connection	Description
1	14L	Windscreen wiper high-speed timer + control
2	14K	Windscreen wiper low-speed timer + control
3	NAM	Left-hand upper cross member electronic earth
4	CPD	+ Right-hand protected dipped beam headlight
5	3N	+ Fuel pump
6	LPG	+ Protected left-hand side light
7	LPD	+ Protected right-hand side light
8	APCB	+ Protected after ignition feed / Column lock fuse contact normally closed
9	H66P	Reverse lights + control
10	AP44	Electric power assisted steering ECU fuse + protected after ignition feed
11	AP43	Protected fuse + after ignition feed
12	--	Not in use

# Fuses and relays

## Allocation (according to equipment level)

PPA(12-track connector) **BLACK**

Track	Connection	Description
1	LPG	+ Protected left-hand side light
2	LPD	+ Protected right-hand side light
3	RPG	+ Left-hand protected main beam headlight
4	RPD	+ Right-hand protected main beam headlight
5	CPD	+ Right-hand protected dipped beam headlight
6	CPG	+ Left-hand protected dipped beam headlight
7	8F	+ Right-hand front fog light > Resistor
8	8E	+ Left-hand front fog light > Resistor
9	--	Not in use
10	--	Not in use
11	--	Not in use
12	--	Not in use

## Allocation (according to equipment level)

PEM (12-track connector) **BLACK**

Track	Connection	Description
1	3AC	Fuel pump relay coil - control
2	3AA	Power latch relay coil - control
3	2K	DF terminal alternator charger signal
4	--	Not in use
5	--	Not in use
6	26Z	Automatic gearbox neutral + signal
7	--	Not in use
8	2JD	+ Alternator excitation
9	SP2	+ Protected accessories feed > Radio ( <b>outlet to diesel heater relay control</b> )
10	32B	Oil - oil level sensor signal 1
11	32A	Oil - oil level sensor signal 2
12	28A	Oil pressure warning light - Control

## Allocation (according to equipment level)

PPM1(4-track connector) **BLACK**

Track	Connection	Description
1	3FB1	+ Injection > Protection relay (BP31 relayed)
2	3FB2	+ Injection > Protection relay (BP31 relayed)
3	D	+ Starting
4	49L / 49B	Fan assembly low-speed resistor + control or fan assembly + control



# Fuses and relays

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## Allocation (according to equipment level)

PPM2 (12-track connector) **GREY**

Track	Connection	Description
1	BP42	+ Protected battery > automatic gearbox computer or + gas solenoid valve relay battery
2	--	Not in use
3	BP31	injector fuse protected + battery feed > fuel pump <b>(output)</b>
4	--	Not in use
5	38R	Air conditioning clutch + control
6	AP11	Reversing lights fuse protected + after ignition feed
7	AP31	LPG ECU fuse protected + after ignition feed
8	3BS	Ignition coil control
9	H66P	Reverse lights + control
10	AP4	Automatic gearbox fuse protected + after ignition feed
11	--	Not in use
12	--	Not in use

## Allocation (according to equipment level)

P1 (1-track connector) **BLUE**

Track	Connection	Description
1	49R	High-speed fan assembly feed

## Allocation (according to equipment level)

P2 (1-track connector) **TRANSPARENT**

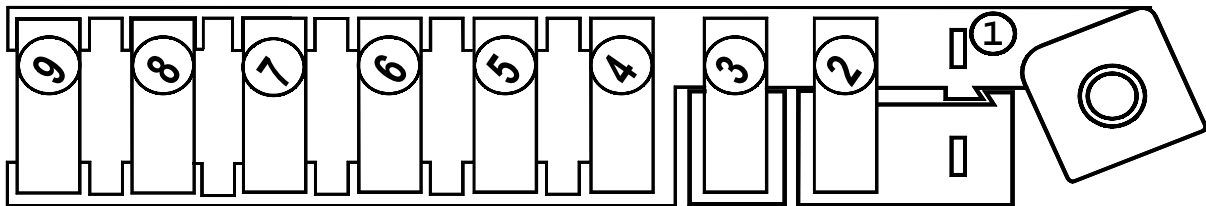
Track	Connection	Description
1	BP31	injector fuse protected + battery feed > fuel pump <b>(input)</b>

# Fuses and relays

## POWER FEED FUSE BOARD (777)

### location

This unit is located in the engine interconnection unit, below the Protection and Switching Unit (1337).



SE2249

Allocation of fuses (depending on equipment level)

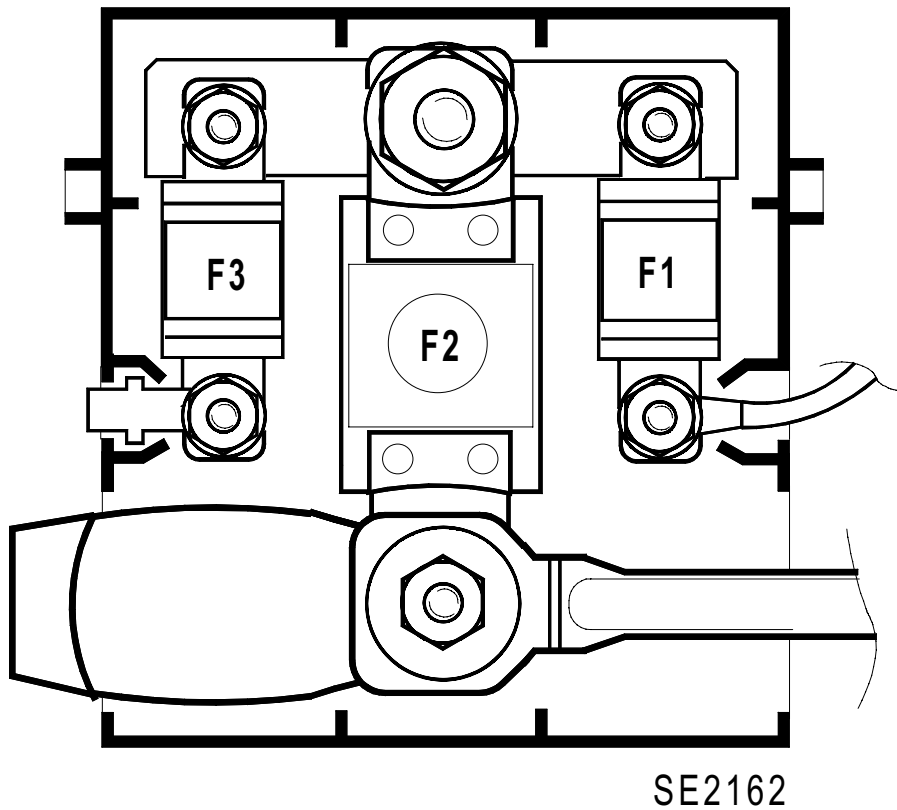
No.	Amps	Connection	Description
F1	--	--	Not in use
F2	70A	BP35	<b>Fuse:</b> preheating unit (257)
F3	20A	BP27	<b>Fuse:</b> diesel filter heater relay (450) on F9Q engine
F4	70A	BP12	<b>Fuse:</b> passenger compartment fuse and relay box (260)
F5	50A	BP8	<b>Fuse:</b> ABS computer (118 - 1094)
F6	70A	BP81	<b>Fuse:</b> electric power assisted steering system (1232)
F7	40A	BP9	<b>Fuse:</b> auxiliary heater relay 1 (1067)
F8	60A	BP11	<b>Fuse:</b> passenger compartment fuse and relay box (260)
F9	70A	BP91	<b>Fuse:</b> auxiliary heater relay 2 (1068)

# Fuses and relays

## PROTECTED POSITIVE BATTERY UNIT (1033)

### location

This unit is located on the positive battery terminal.



Allocation of fuses (depending on equipment level)

No.	Amps	Connection	Description
<b>F1</b>	30A	BPS1	<b>Fuse:</b> passenger compartment fuse and relay box protected + battery (260) - UCH (645).
<b>F2</b>	350A 400A	BPDA	<b>Fuse:</b> + protected starter battery (163) - alternator (103) - power feed fuse board (777) - switching and protection unit (1337). Rating: - 350 Amps for petrol engines. - 400 Amps for diesel engines.
<b>F3</b>	30A	BP31	<b>Fuse:</b> + engine function protected battery via protection and switching unit (1337)

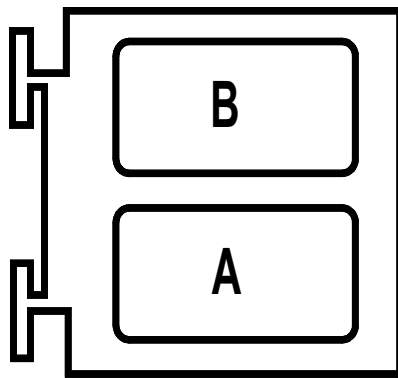
# Fuses and relays

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## RELAY BOARD (784)

### location

This unit is located in the engine interconnection unit, below the Protection and Switching Unit (1337).



SE2186

Allocation of relays (depending on equipment level)

No.	Amps	Description
A	25A	<b>Relay:</b> headlight washer pump (753)
B	25A	<b>Relay:</b> headlight washer pump 2 (1338)

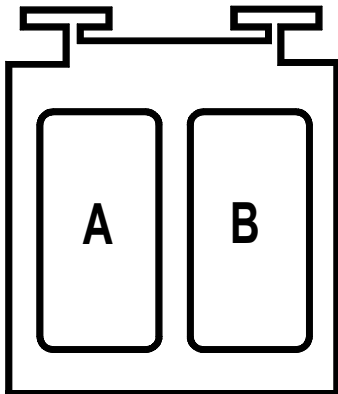
# Fuses and relays

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## RELAY BOARD (299)

### location

This unit is located in the engine interconnection unit, below the Protection and Switching Unit (1337).



SE2164

Allocation of relays (depending on equipment level)

### **F9Q engine**

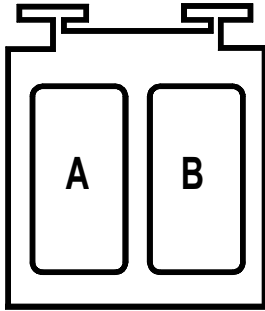
No.	Amps	Description
A	25A	<b>Relay:</b> diesel heater (450)
B	--	Not in use

# Fuses and relays

## LPG RELAY PLATE (299)

### location

These units are located in the engine interconnection unit, below the Protection and Switching Unit (1337).



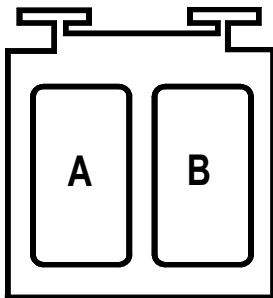
SE2164

Allocation of relays (depending on equipment level)

### **K4M764 engine**

No.	Amps	Description
A	20A	<b>Relay:</b> fuel pump (236)
B	20A	<b>Relay:</b> fuel pump cut-off for LPG (1196)

This plate is mounted on the plate underneath.



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Allocation of relays (depending on equipment level)

### **K4M764 engine**

No.	Amps	Description
A	20A	<b>Relay:</b> liquid petroleum gas solenoid valve (1259)
B	20A	<b>Relay:</b> liquid petroleum gas reservoir (1457)