

# Fuses and Relays

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Allocation of fuses (depending on equipment level)

Fuse and relay board (260 -1)

No.	Amps	Connection	Description
F15	15A	AP9	Fuse: Rear screen wiper motor (211) via passenger compartment electric control unit (645) Via wash/wipe combination switch (145): front and rear bidirectional windscreen washer pump (677) - passenger compartment ECU (645)
F16	15A	AP10	Fuse: navigation assistance electric control unit (662)
F17	7.5A	AP72	Fuse: right-hand and left-hand headlight (226-227) via monolever (209)
F18	7.5A	AP1	Fuse: via brake light switch (160): rear left-hand and right-hand side light (172-173) - high level brake light (639) - passenger compartment electric control unit (645)
F19	5A	AP29	Fuse: injection electric control unit (120) - instrument panel (247) - UCH (645) - Fuel pump relay control (236) on board (597-1) on K4M842,884 and F4R410,412,414,416 engines - Starter relay control (232) on board (597-2) on F4R410,412,416 engines
F20	5A	AP25	Fuse: airbag/pretensioner electric control unit (756)
F21	7.5A	AP4	Fuse: front-rear torque distribution electric control unit (2017) on 4x4 drive version On automatic gearbox version: automatic gearbox electric control unit (119) - shift pattern control (129) Via manual gearbox TDC sensor/reversing lights (1109) on manual gearbox or multifunction switch version (485) on "dp0" automatic gearbox module (971) on automatic gearbox version: rear left-hand and right-hand side light (172 - 173) - parking distance control electric control unit (1222) - navigation assistance electric control unit (662) - UCH (645)

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Allocation of fuses (depending on equipment level)

Fuse and relay board (260 - 1)

No.	Amps	Connection	Description
<b>F22</b>	5A	AP23	Fuse: power-assisted steering pump assembly (186) on F4R414 and 416 engines
<b>F23</b>	5A	AP22	Fuse: speed limiter and cruise control on/off switch (1081) - parking distance control electric control unit (1222) - seat belt reminder module (1601) - heated rear screen relay control (235) on board (260-1)
<b>F24</b>	15A	BP76	Fuse: supply to fuses (F12 – F13 – F36) on passenger compartment fuse and relay box (260-1) via UCH (645)
<b>F25</b>	--	--	Fuse: Not used
<b>F26</b>	15A	BP56	Fuse: Via UCH (645): rear left-hand and right-hand side light (172-173) - right-hand and left-hand headlight (226-227) - right-hand and left-hand repeater (267-268) - hazard warning lights control (125)
<b>F27</b>	20A	BPA2	Fuse: supply to fuses (F4-F5) on passenger compartment fuse and relay box (260-1) via monolever (209)
<b>F28</b>	15A	BP75	Fuse on alarm type 01 version: horn relay control (229) on board (703) - main electromagnetic horn (105) via horn relay (229) on board (703)
<b>F29</b>	25A	BPA3	Fuse: via monolever (209): Supply to fuses (F2-F3-F6-F7-F10) on passenger compartment fuse and relay box (260-1) - Supply to fuse (F1) on power feed fuse board (777 - 1) on version with front fog lights
<b>F30</b>	--	--	Fuse: Not used

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Allocation of fuses (depending on equipment level)

Fuse and relay board (260 - 1)

No.	Amps	Connection	Description
F31	5A	BP69	Fuse: instrument panel (247)
F32	7.5A	SP2	Fuse: UCH (645) - radio (261) - air conditioning control panel (319) - cold air blower unit relay control (233) on board (260-1) - navigation assistance electric control unit (662) - Accessories relay control no. 2 (1389) on board (777-1) on accessories socket 2
F33	15A	SP4G	Fuse: cigarette lighter (101)
F34	15A	BC	Fuse: radio (261) - diagnostic socket (225) - navigation assistance electric control unit (662) - multiplex line interface unit (multiplexing) (1714)
F35	--	--	Fuse: Not used
F36	5A	BPT4	Fuse: Right-hand and left-hand electric door mirror (2230 - 2231) via electric door mirror control (134)
F37	30A	1G	Fuse: UCH (645) - starter (163)
F38	30A	AP7	Fuse: UCH (645) - wash/wipe combination switch (145) - windscreen wiper motor (212)
F39	40A	BP1	Fuse: via cold air blower unit relay (233) on board (260-1): passenger compartment fan assembly 1 (1156) and passenger compartment fan assembly speed resistor unit (1158) via air conditioning control panel (319)

Allocation of relays (depending on equipment level)

Fuse and relay board (260 -1)

No.	Amps	Description
A	40A	Relay: cold air blower unit relay (233)
B	40A	Relay: heated rear screen relay (235)

# Fuses and Relays

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Allocation of fuses (depending on equipment level)

Fuse board 260- 2

No.	Amps	Connection	Description
F1	--	--	Fuse: Not used
F2	25A	BPT6	Fuse: driver's electric window motor (203) on version with driver's one-touch and passenger electric window
F3	5A	BP1U	Fuse: front-rear torque distribution electric control unit (2017) on 4x4 drive version
F4	--	--	Fuse: Not used
F5	15A	SP4A	Fuse: second row accessories socket (1382)
F6	5A	DP	Fuse: UCH (645)
F7	--	--	Fuse: Not used
F8	--	--	Fuse: Not used
F9	--	--	Fuse: Not used
F10	--	--	Fuse: Not used

Allocation of relays (depending on equipment level)

Relay board 750

No.	Amps	Description
A	40A	Relay: child safety (750) on electric rear window version

Relay board 703

No.	Amps	Description
A	20A	Relay: electric window (703) on driver's one-touch and passenger electric window version
B	20A	Relay: horn (229) on ALARM TYPE 01 version

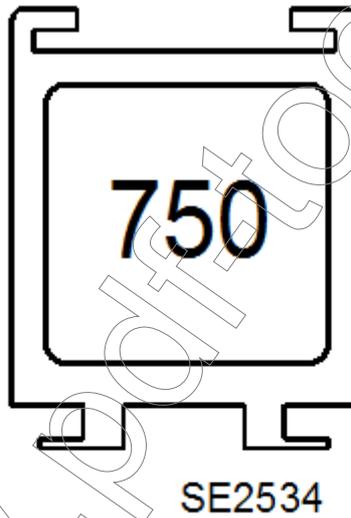
# Fuses and Relays

## CHILD SAFETY RELAY (750) FOR PHASE 1 VERSION

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### Location

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



Allocation of relays (depending on equipment level)

Relay board 750

No.	Amps	Description
750	40A	Relay: child safety

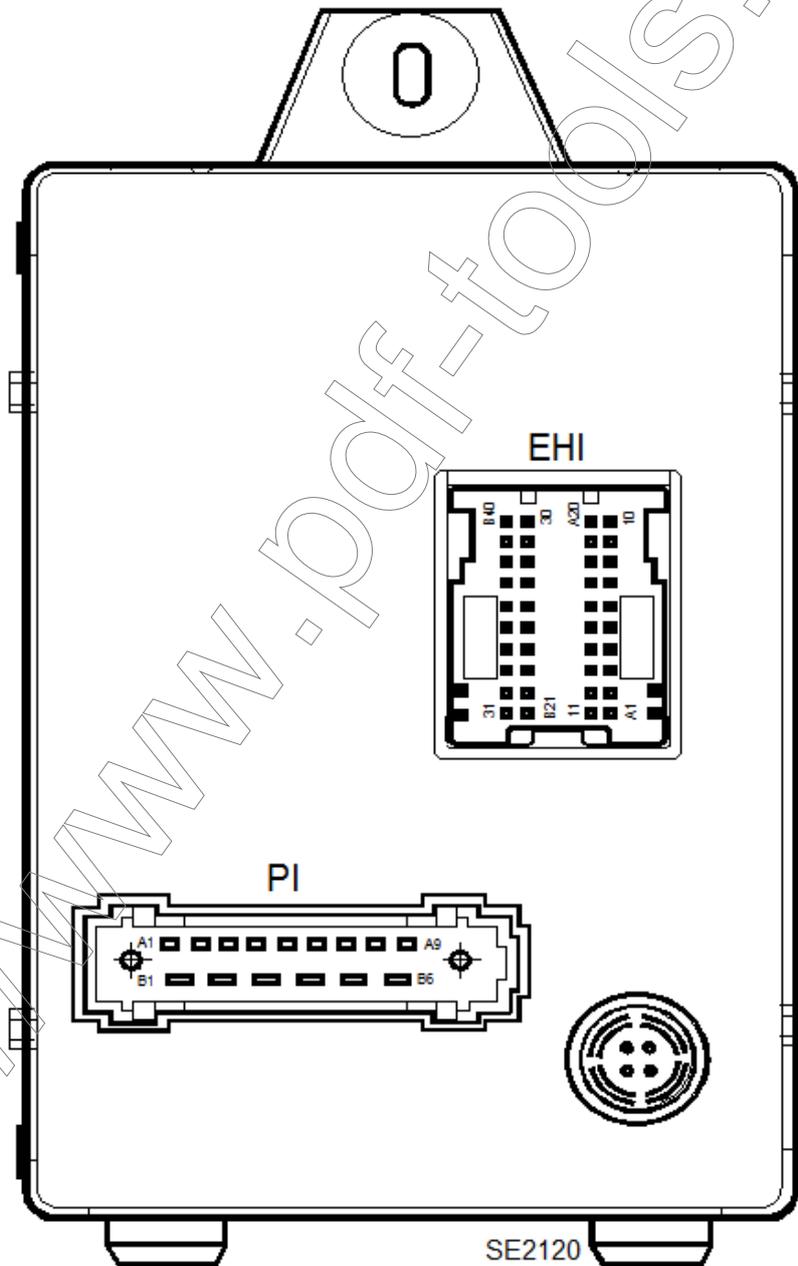
# Fuses and Relays

UCH (645) FOR PHASE 1 VERSION

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## Location

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



# Fuses and Relays

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Allocation (according to equipment level)

EH1 (40-pin connector) BLACK MODULE HOLDER

BROWN MODULE		
Track	Connection	Description
A1	--	Not in use
A2	--	Not in use
A3	--	Not in use
A4	--	Not in use
A5	64E	Direction indicator light + control
A6	47F	Vehicle speed signal
A7	16A	Windscreen washer pump + control feed
A8	20B	Central door locking opening timer + control
A9	--	Not in use
A10	--	Not in use
A11	--	Not in use
A12	--	Not in use
A13	--	Not in use
A14	--	Not in use
A15	LPD	+ Protected right-hand side light
A16	80X	Transponder aerial bus signal
A17	20A	Central door locking closing timer + control
A18	--	Not in use
A19	--	Not in use
A20	87H	Driver's position 1 signal switch

# Fuses and Relays

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Allocation (according to equipment level)

EH1 (40-pin connector) BLACK MODULE HOLDER

GREEN MODULE		
B21	--	Not in use
B22	AP10	Brake light fuse protected + after ignition feed
B23	60BR	Airbag ECU impact signal
B24	14E	Windscreen wiper timer + control
B25	--	Not in use
B26	64T	Left-hand direction indicator timer On control
B27	--	Not in use
B28	64S	Right-hand direction indicator timer On control
B29	--	Not in use
B30	13N	Interior lighting - control > Rear body flange
B31	--	Not in use
B32	80T	Software lock indicator light - control
B33	64Q	Central flasher unit timer - control
B34	HK	Fault finding signal K
B35	145 W	Horn relay - control
B36	H17	Software lock > Diesel > petrol injection code signal
B37	--	Not in use
B38	H7	Engine speed input
B39	--	Not in use
B40	13A	Interior lighting - control > Rabbet switch

# Fuses and Relays

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Allocation (according to equipment level)

P1 (15-pin connector) WHITE MODULE HOLDER

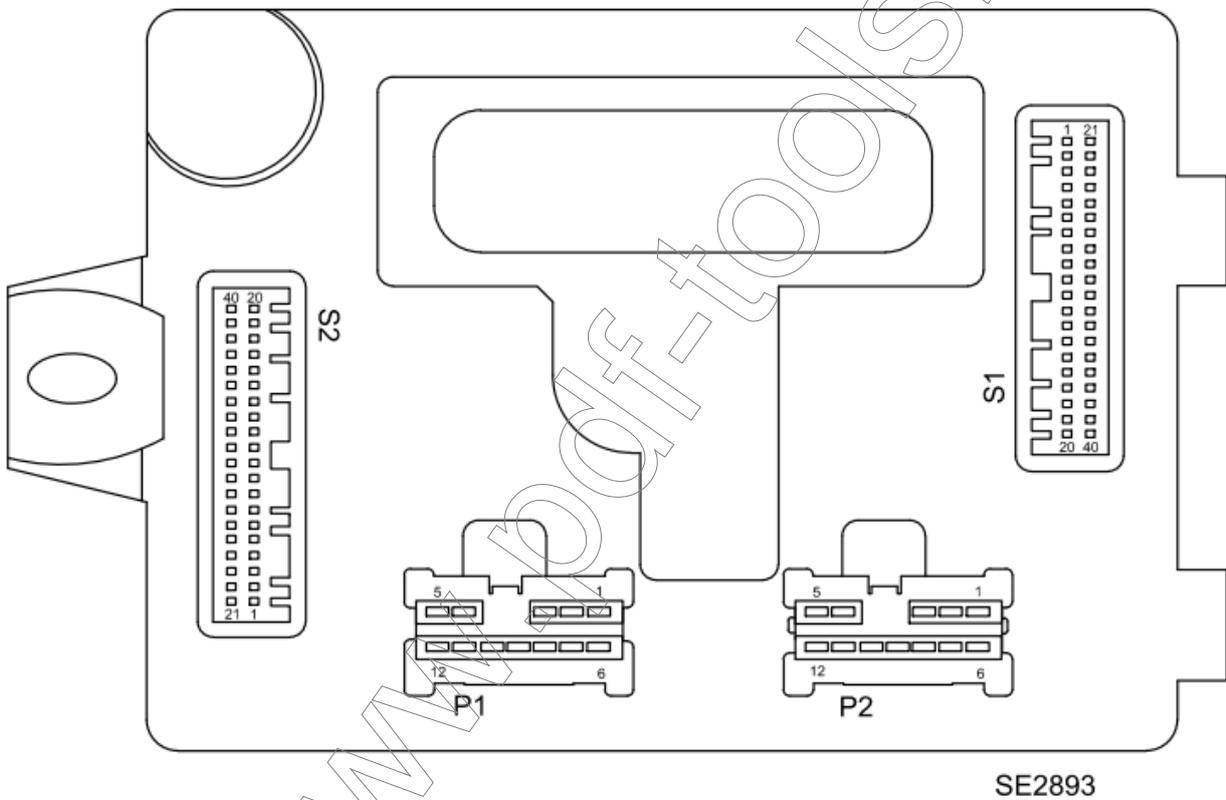
TRANSPARENT MODULE		
Track	Connection	Description
A1	NC	Left-hand A-pillar electronic earth
A2	13E	Courtesy light - control > Timer
A3	BP56	Fuse protected + battery feed > Computer
A4	14D	Windscreen wiper timer low speed control
A5	AP7	Windscreen wiper fuse protected + after ignition feed
A6	14C	Windscreen wiper park position + control
A7	--	Not in use
A8	64D	Right-hand direction indicator control
A9	64C	Left-hand direction indicator control
BLACK MODULE		
Track	Connection	Description
B1	20BD	Front/rear passenger door opening motors control
B2	20D	Central door locking closing + control
B3	BP3	Electric door locking protected battery + feed
B4	20 AU	Driver's door central locking opening control
	--	Not in use
B5	BPT	Timer protected + battery feed
B6	BC	+ Battery feed via relay or circuit cut-out

# Fuses and Relays

UCH (645) FOR PHASE 2 VERSION

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Location: This unit is located in the lower left-hand section of the dashboard.



# Fuses and Relays

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Allocation (according to equipment level)

S1 (40-track connector)

BLACK MODULE		
Track	Connection	Description
A1	64T	Left-hand indicator timer start > computer control
A2	36G	Relayed + rear screen wiper control feed
A3	137G	CAN L signal
A4	137H	CAN H signal
A5	24A	Rear screen washer pump + control feed
A6	36C	Rear screen wiper park position switch - signal
A7	14E	Windscreen wiper timer + control
A8	64Q	Central flasher unit timer - control
A9	20M	Door locking LED
A10	15A	Heated rear screen indicator light control
A11	64F	Hazard warning lights indicator light + control
A12	--	Not in use
A13	--	Not in use
A14	15B	Heated rear screen + control
A15	16A	Windscreen washer pump + control feed
A16	--	Not in use
A17	80X	Transponder aerial bus signal (interface)
A18	80Y	Transponder clock signal
A19	RPG	+ Left-hand protected main beam headlight
A20	LPAV	Front side lights protected + feed

# Fuses and Relays

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Allocation (according to equipment level)

S1 (40-track connector)

BLACK MODULE		
Track	Connection	Description
A21	86D	Declutch + signal
A22	64S	Right-hand indicator timer start > computer control
A23	133C	Instrument panel > ECU CAN L signal
A24	133B	Instrument panel > ECU CAN H signal
A25	--	Not in use
A26	5A	Brake pedal switch + signal supply
A27	26Z	Automatic gearbox neutral + signal
A28	SP2	Protected accessories + feed > radio
A29	AP29	Safety engine function fuse protected + after ignition feed
A30	87G	Passenger position 1 switch - signal
A31	20AW	One-touch door locking/unlocking control
A32	87H	Driver's position 1 signal switch
A33	87AB	Right-hand rear position 1 switch - signal
A34	15M	Heated rear screen relay - control
A35	21K	Anti-pinch sunroof electric window serial line signal on left-hand drive version
A36	8B	Front fog lights + feed > relay
A37	CPG	Left-hand dipped beam headlight protected + feed
A38	--	Not in use
A39	DP	Starter excitation fuse protected + feed on AUTOMATIC GEARBOX version
	1G	Starter motor solenoid flash switch on MANUAL GEARBOX AND ELECTRONIC LAYOUT T4VS version
A40	H66P	Reversing lights + control

# Fuses and Relays

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Allocation (according to equipment level)

S2 (40-track connector)

GREY MODULE		
Track	Connection	Description
B1	--	Not in use
B2	80AD	Alarm relay coil control on ALARM TYPE 01 version
B3	1B	Starter relay coil - control
B4	--	Not in use
B5	--	Not in use
B6	--	Not in use
B7	--	Not in use
B8	--	Not in use
B9	--	Not in use
B10	--	Not in use
B11	--	Not in use
B12	--	Not in use
B13	--	Not in use
B14	--	Not in use
B15	--	Not in use
B16	--	Not in use
B17	--	Not in use
B18	--	Not in use
B19	--	Not in use
B20	--	Not in use

# Fuses and Relays

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Allocation (according to equipment level)

S2 (40-track connector)

GREY MODULE		
Track	Connection	Description
B21	--	Not in use
B22	--	Not in use
B23	--	Not in use
B24	--	Not in use
B25	--	Not in use
B26	--	Not in use
B27	--	Not in use
B28	--	Not in use
B29	--	Not in use
B30	--	Not in use
B31	--	Not in use
B32	--	Not in use
B33	--	Not in use
B34	--	Not in use
B35	--	Not in use
B36	--	Not in use
B37	--	Not in use
B38	--	Not in use
B39	--	Not in use
B40	--	Not in use

# Fuses and Relays

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Allocation (according to equipment level)

P1 (12-track connector)

WHITE MODULE		
Track	Connection	Description
C1	14D	Windscreen wiper timer low speed control
C2	14C	Windscreen wiper park position + control
C3	AP7	Windscreen wiper fuse protected + after ignition feed
C4	BPT	Timer protected + battery feed
C5	64C	Left-hand indicator lights control
C6	13E	Courtesy light > timer - control
C7	3ALS	Economy mode control
C8	NBT	Left-hand steering column support electronic earth
C9	BP1C	Protected + battery > protection and switching unit
C10	BP76	Protected + battery feed > lighting control
C11	BP56	Fuse protected + battery feed > computer
C12	64D	Right-hand indicator lights control

# Fuses and Relays

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Allocation (according to equipment level)

P2 (12-track connector)

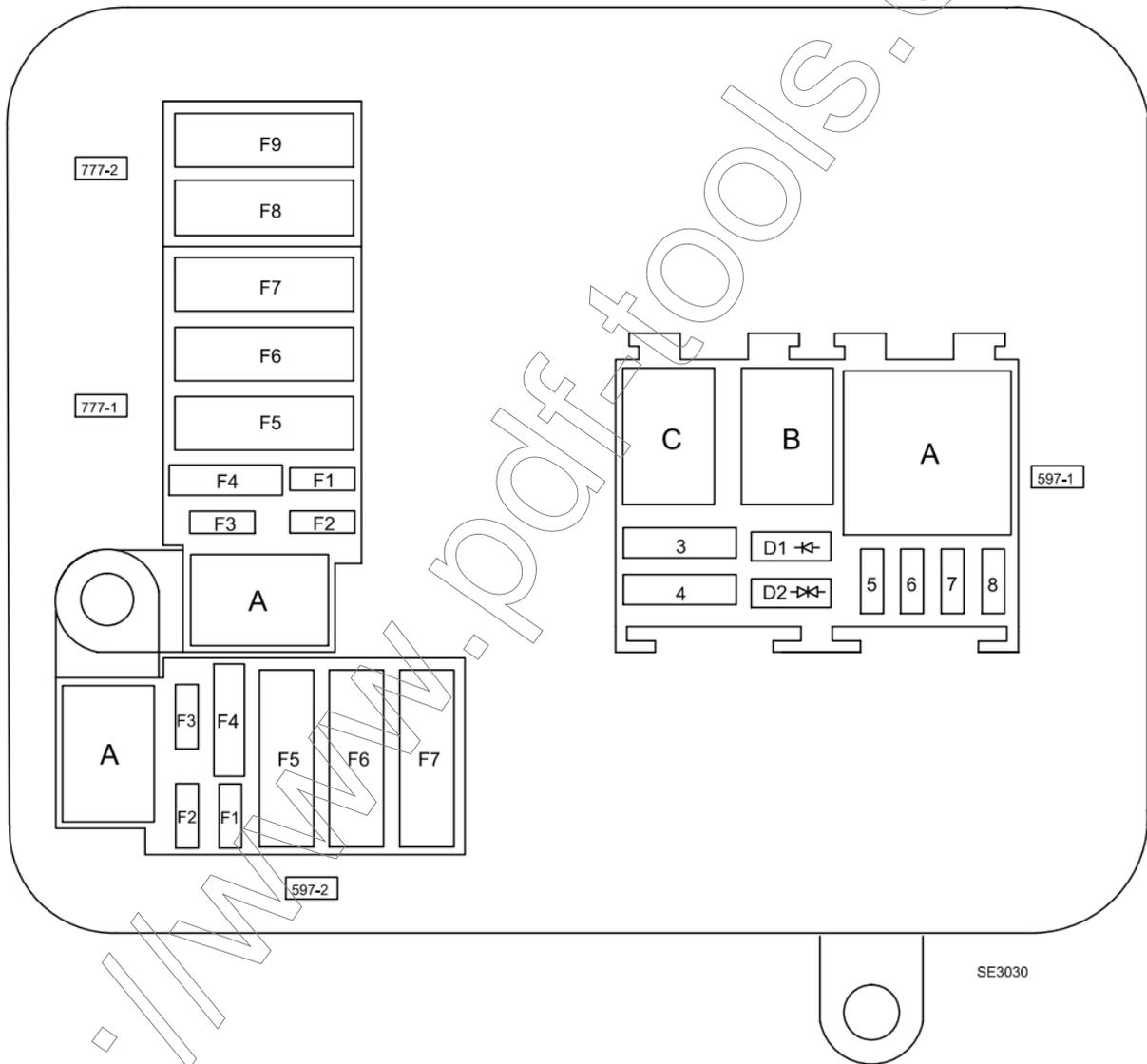
BROWN MODULE		
Track	Connection	Description
D1	20D	Central door locking closing + control
D2	20BD	Front/rear passenger door opening motors control
D3	20AV	Driver's door central locking closing control
D4	36A	Rear screen wiper + control feed
D5	AP9	Fuse protected + after ignition feed
D6	--	Not in use
D7	--	Not in use
D8	65A	Brake lights + control
D9	--	Not in use
D10	--	Not in use
D11	--	Not in use
D12	BP3	Electric central door locking fuse protected + battery feed.

# Fuses and Relays

## POWER FEED FUSE BOARD (777) FOR PHASE 2 VERSION

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Location: This board is located in the engine compartment connection unit, behind the battery.



# Fuses and Relays

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Allocation of fuses (depending on equipment level)

Fuse and relay board (777-1)

No.	Amps	Connection	Description
F1	10A	8B	Fuse: front right-hand fog light (176) - front left-hand fog light (177) - passenger compartment electric control unit (645)
F2	7.5A	BP1C	Fuse: passenger compartment electric control unit (645)
F3	30A	BP15	Fuse: via heated rear screen relay (235) on passenger compartment fuse and relay box (260-1): supply to fuse (F35) on passenger compartment fuse and relay box (260-1) - heated rear screen (200)
F4	25A	BP14	Fuse: anti-lock braking system and electronic stability program control unit (1094)
F5	60 A	BP11	Fuse: supply to fuses (F11-F24-F25-F26-F27-F34-F39) on passenger compartment fuse and relay box (260-1)
F6	60 A	BP13	Fuse: ignition switch (104) - supply to fuses (F28-F29-F30-F31) on passenger compartment fuse and relay box (260-1) - Supply to fuse (F2) on passenger compartment fuse and relay box (260-2) via electric window relay (703) on board (703) on DRIVER'S ONE-TOUCH AND PASSENGER ELECTRIC WINDOW version
F7	50A	BP8	Fuse: anti-lock braking system and electronic stability program control unit (1094)

# Fuses and Relays

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Allocation of fuses (depending on equipment level)

Fuse board 777- 2

No.	Amps	Connection	Description
F8	--	--	Fuse: Not used
F9	20A	BP12	Fuse: Supply to fuse (F3) on passenger compartment fuse and relay box (260-2) on 4x4 drive version - Supply to fuse (F5) on passenger compartment fuse and relay box (260-2) via accessories relay no. 2 (1389) on power supply fuse board (777 - 1) on accessories socket 2 version

Allocation of relays (depending on equipment level)

Fuse and relay board (777-1)

No.	Amps	Description
A	20A	Accessories relay no. 2 (1389) on accessories socket 2 version

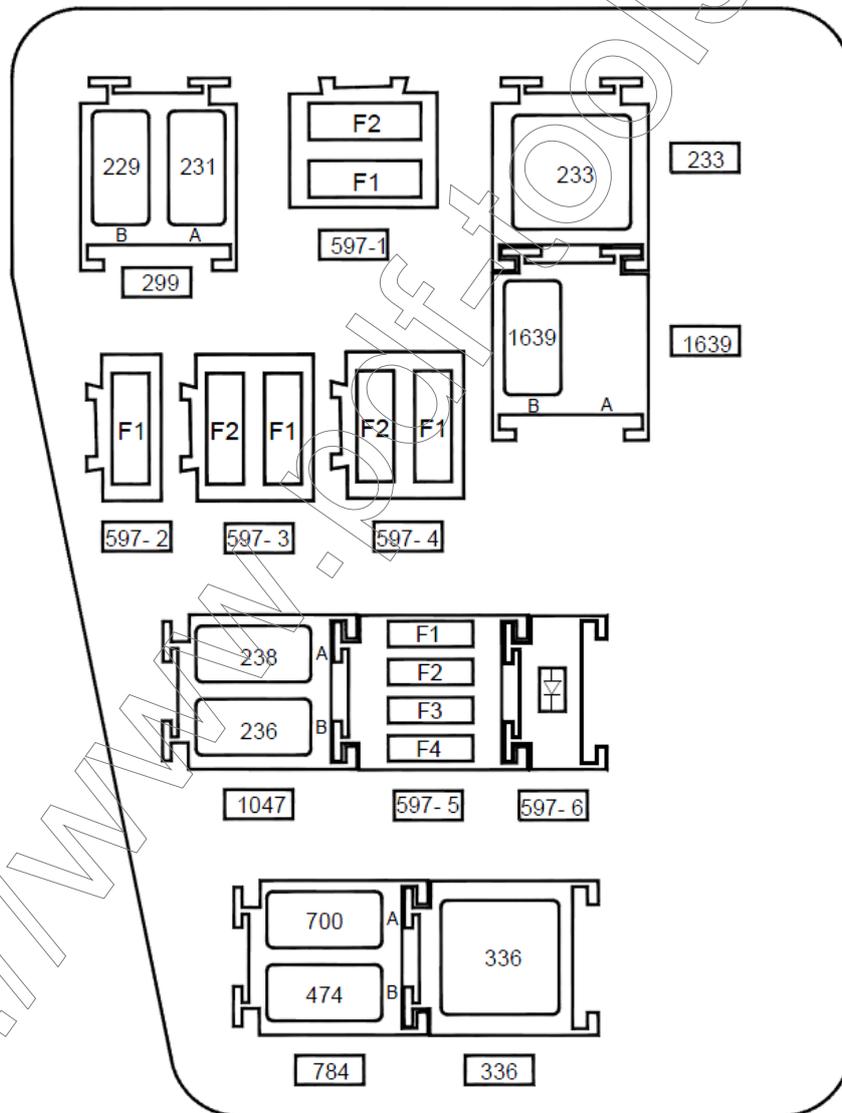
# Fuses and Relays

## FUSE AND RELAY BOARDS (233-299-336-597-784-1047-1639) ON K4M690 ENGINE FOR PHASE 1 VERSION

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### Location

These units are located inside the engine interconnection unit.



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# Fuses and Relays

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Allocation of fuses (depending on equipment level)

Fuse board 597- 1

No.	Amps	Connection	Description
F1	50A	BP88	Fuse: anti-lock braking system electric control unit (118) on version without electronic stability program
F2	25A	BP14	Fuse: anti-lock braking system electric control unit (118) on version without electronic stability program

Fuse board 597- 2

No.	Amps	Connection	Description
F1	40A	BP7	Fuse on air conditioning version: cooling fan assembly supply (262) via fan assembly high-speed relay (336) or via fan assembly low speed relay (700) on relay board (784) and fan assembly resistor (321) - air conditioning clutch supply (171) via air conditioning clutch relay (474) on board (784)

Fuse board 597- 3

No.	Amps	Connection	Description
F1	60 A	BP13	Fuse: ignition-starter switch (104) - monolever (209) - supply to fuse F23 on passenger compartment fuse box (1016)
F2	60 A	BP11	Fuse: monolever supply (209) - supply to fuses F29 and F36 on passenger compartment fuse box (1016)

# Fuses and Relays

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Allocation of fuses and diodes (according to equipment level)

Fuse board 597- 4

No.	Amps	Connection	Description
F1	--	--	Not used
F2	25A	BP12	Fuse: supply to fuse F34 on passenger compartment fuse box (1016) on 4x4 version (four wheel drive)

Fuse board 597- 5

No.	Amps	Connection	Description
F1	30A	BP7	Fuse on standard heating version: cooling fan assembly supply (188) via low speed fan assembly relay (700) on relay board (784)
F2	25A	BP17	Fuse: injection locking relay control and supply (238) on relay board (1047) - fuel pump relay supply (236) on relay board (1047)
F3	--	--	Not used
F4	--	--	Not used

Diode 597- 6 support plate

No.	Connection	Description
DIODE	38R	Diode: air conditioning clutch

# Fuses and Relays

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Allocation of relays (depending on equipment level)

Relay board 299

No.	Amps	Description
A	20A	Relay: front fog lights (231)
B	20A	Relay: horn (229)

Unit relay 233

No.	Amps	Description
233	40A	Relay: cold blower unit (233)

Relay board 1047

No.	Amps	Description
A	20A	Relay: injection locking (238)
B	20A	Relay: fuel pump (236)

Relay board 784

No.	Amps	Description
A	20A	Relay: low speed fan assembly (700)
B	20A	Relay: air conditioning clutch relay

Unit relay 336

No.	Amps	Description
336	40A	Relay: high speed fan assembly (336)

Relay 1639 board on FLEXFUEL version

No.	Amps	Description
A	--	Not used
B	20A	Relay: additional fuel pump (1639)

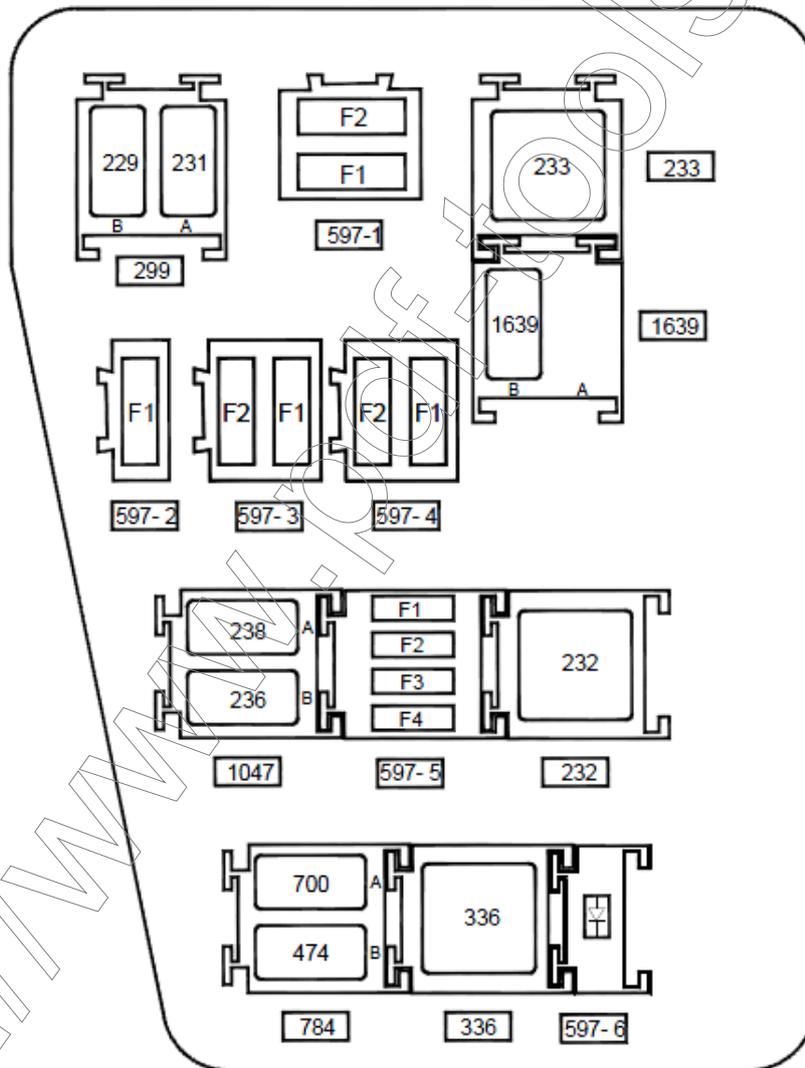
# Fuses and Relays

FUSE AND RELAY BOARDS (232-233-299-336-597-784-1047-1639)  
ON F4R400,402,403 ENGINES FOR PHASE 1 VERSION

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## Location

These units are located inside the engine interconnection unit.



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# Fuses and Relays

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Allocation of fuses (depending on equipment level)

Fuse board 597- 1

No.	Amps	Connection	Description
F1	50A	BP88	Fuse: anti-lock braking system electric control unit (118) on version without electronic stability program
F2	25A	BP14	Fuse: anti-lock braking system electric control unit (118) on version without electronic stability program

Fuse board 597- 2

No.	Amps	Connection	Description
F1	40A	BP7	Fuse on air conditioning version: cooling fan assembly supply (262) via high speed fan assembly relay (336) or via low speed fan assembly relay (700) on relay board (784) and fan assembly resistor (321)

Fuse board 597- 3

No.	Amps	Connection	Description
F1	60 A	BP13	Fuse: ignition-starter switch (104) – monolever (209) – supply to fuse F23 on passenger compartment fuse box (1016)
F2	60 A	BP11	Fuse: monolever supply (209) – supply to fuses F29 and F36 on passenger compartment fuse box (1016)

# Fuses and Relays

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Allocation of fuses and diodes (according to equipment level)

Fuse board 597- 4

No.	Amps	Connection	Description
F1	--	--	Not used
F2	25A	BP12	Fuse: supply to fuse F34 on passenger compartment fuse box (1016) on 4x4 version (four wheel drive)

Fuse board 597- 5

No.	Amps	Connection	Description
F1	15A	BP1G	Fuse on air conditioning version: air conditioning clutch supply (171) via air conditioning clutch relay (474) on board (784)
F2	25A	BP17	Fuse: injection locking relay control and supply (238) on relay board (1047) - fuel pump relay supply (236) on relay board (1047)
F3	--	--	Not used
F4	15A	BP42	Fuse: automatic gearbox electric control unit (119) with 4-speed automatic gearbox version on F4R403 engines

Diode 597- 6 support plate

No.	Connection	Description
DIODE	38R	Diode: air conditioning clutch

# Fuses and Relays

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Allocation of relays (depending on equipment level)

Relay board 299

No.	Amps	Description
A	20A	Relay: front fog lights (231)
B	20A	Relay: horn (229)

Unit relay 233

No.	Amps	Description
233	40A	Relay: cold blower unit (233)

Relay board 1047

No.	Amps	Description
A	20A	Relay: injection locking (238)
B	20A	Relay: fuel pump (236)

Relay board 784

No.	Amps	Description
A	20A	Relay: low speed fan assembly (700)
B	20A	Relay: air conditioning clutch relay

Unit relay 336

No.	Amps	Description
336	40A	Relay: high speed fan assembly (336)

Unit relay 232 on automatic gearbox version

No.	Amps	Description
232	40A	Relay: starter (232)

Relay 1639 board on FLEXFUEL version

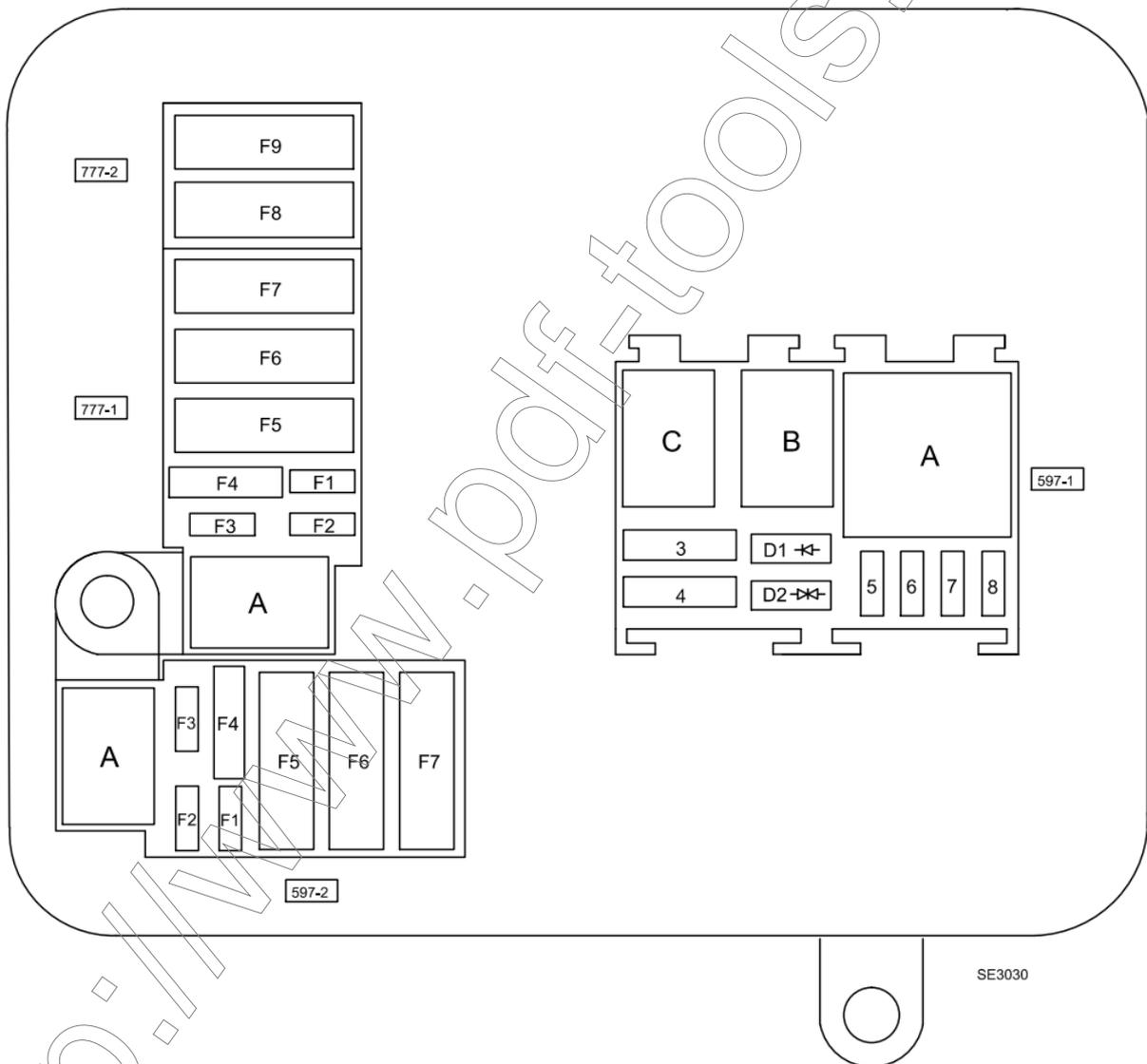
No.	Amps	Description
A	--	Not used
B	20A	Relay: additional fuel pump (1639)

# Fuses and Relays

## ENGINE FUSE AND RELAY BOX (597) - K4M842, 884 ENGINES FOR PHASE 2 VERSION

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Location: These units are located in the engine compartment connection unit, behind the battery.



# Fuses and Relays

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Allocation of fuses and diodes (according to equipment level)

Fuse and relay board (597 -1)

No.	Amps	Connection	Description
<b>D1</b>	--	38R	Diode: air conditioning compressor (171) on air conditioning version
<b>D2</b>	--	49B	Diode: cooling fan assembly (188) on recirculated standard heating system version with 4x2 drive
<b>F3</b>	--	--	Fuse: Not used
<b>F4</b>	--	--	Fuse: Not used
<b>F5</b>	15A	3FB1	Fuse: engine functions - air conditioning compressor control (474) on unit (597-1) on air conditioning version - fan assembly 1st speed relay control (335) on unit (597-1) on recirculated standard heating system version
<b>F6</b>	--	--	Fuse: Not used
<b>F7</b>	--	--	Fuse: Not used
<b>F8</b>	--	--	Fuse: Not used

Allocation of relays (depending on equipment level)

Fuse and relay board (597 - 1)

No.	Amps	Description
<b>A</b>	40A	Relay: injection locking (238)
<b>B</b>	20A	Relay: air conditioning compressor control (474) on air conditioning version
		Relay: fan assembly 1 <sup>st</sup> speed (335) on recirculated standard heating system version
<b>C</b>	20A	Relay: fuel pump (236)

# Fuses and Relays

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Allocation of fuses (depending on equipment level)

Fuse and relay board (597 -2)

No.	Amps	Connection	Description
F1	--	--	Fuse: Not used
F2	--	--	Fuse: Not used
F3	30A	BP7	Fuse: on recirculated standard heating system version with 4x2 drive: fan assembly (188) via fan assembly 1st speed relay (335) on unit (597-1)
	15A	BP1G	Fuse: on air conditioning version: air conditioning clutch (171) via air conditioning compressor control relay control (474) on unit (597-1)
F4	25A	BP31	<p>Fuse:</p> <p>injection locking supply relay control (238) on unit (597-1)</p> <p>Via injection locking supply relay (238) on unit (597-1):</p> <ul style="list-style-type: none"> <li>- Supply to fuse (F5) on unit (597-1)</li> <li>- Injection electric control unit (120)</li> <li>- Injectors 1, 2, 3 and 4 (193-194-195-196)</li> <li>- Additional fuel pump relay control (1639) on unit (597-2) on K4M884 engine</li> </ul> <p>Via fuel pump relay (236) on unit (597-1):</p> <ul style="list-style-type: none"> <li>- Fuel gauge and pump (833)</li> <li>- Cylinder 3 and 4 pencil coils (1079-1080)</li> <li>- Additional fuel pump (283) via additional fuel pump relay (1639) on unit (597-2) on K4M884 engine</li> </ul>

# Fuses and Relays

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Allocation of fuses (depending on equipment level)

Fuse and relay board (597 -2)

No.	Amps	Connection	Description
F5	50A	BP7	Fuse: on air conditioning and recirculated standard heating system version with 4x4 drive: Via engine fan assembly control relay unit (1839): cooling fan assembly (188)
F6	--	--	Fuse: Not used
F7	--	--	Fuse: Not used

Allocation of relays (depending on equipment level)

Fuse and relay board (597 - 2)

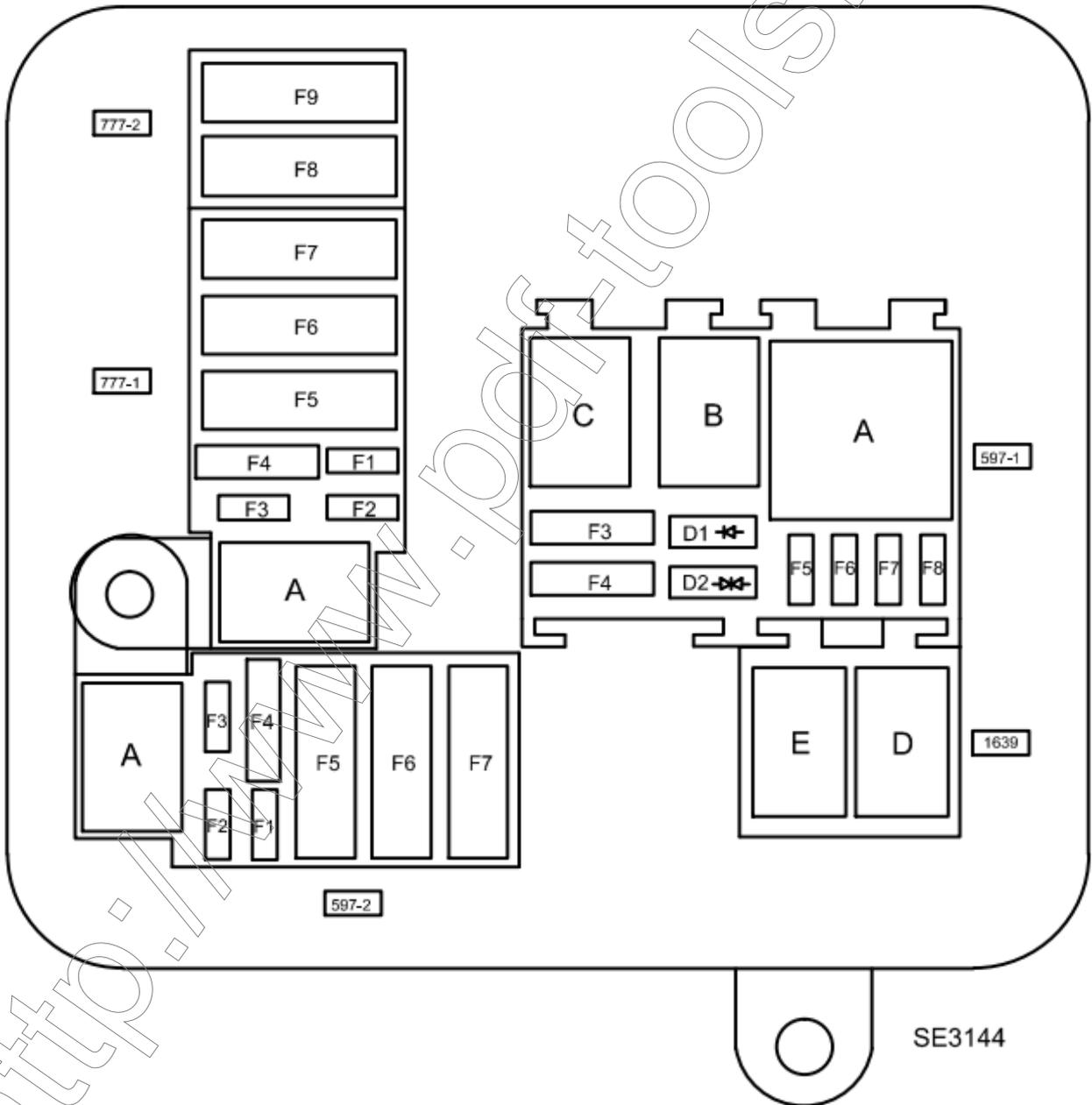
No.	Amps	Description
A	20A	Relay: additional fuel pump (1639) on engine with biofuel

# Fuses and Relays

ENGINE FUSE AND RELAY BOX (597 - 1639) - F4R410,412,414,416 ENGINES FOR PHASE 2 VERSION

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Location: These units are located in the engine compartment connection unit, behind the battery.



# Fuses and Relays

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Allocation of fuses and diodes (according to equipment level)

Fuse and relay board (597 -1)

No.	Amps	Connection	Description
<b>D1</b>	--	38R	Diode: air conditioning compressor (171) on air conditioning version
<b>D2</b>	--	49B	Diode: cooling fan assembly (188) on recirculated standard heating system version with 4x2 drive
<b>F3</b>	--	--	Fuse: Not used
<b>F4</b>	--	--	Fuse: Not used
<b>F5</b>	15A	3FB1	Fuse: engine functions - air conditioning compressor control (474) on unit (597-1) on air conditioning version - fan assembly 1st speed relay control (335) on unit (597-1) on recirculated standard heating system version
<b>F6</b>	--	--	Fuse: Not used
<b>F7</b>	--	--	Fuse: Not used
<b>F8</b>	--	--	Fuse: Not used

Allocation of relays (depending on equipment level)

Fuse and relay board (597 - 1)

No.	Amps	Description
<b>A</b>	40A	Relay: injection locking (238)
<b>B</b>	20A	Relay: air conditioning compressor control (474) on air conditioning version
		Relay: fan assembly 1 <sup>st</sup> speed (335) on recirculated standard heating system version
<b>C</b>	20A	Relay: fuel pump (236)

# Fuses and Relays

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Allocation of fuses (depending on equipment level)

Fuse and relay board (597 -2)

No.	Amps	Connection	Description
F1	30A	BP1D	Fuse: starter (163) via starter relay (232) on unit (597-2)
F2	15A	BP42	Fuse: automatic gearbox electric control unit (119) on automatic gearbox version
F3	30A	BP7	Fuse: on recirculated standard heating system version with 4x2 drive: fan assembly (188) via fan assembly 1st speed relay (335) on unit (597-1)
	15A	BP1G	Fuse: on air conditioning version: air conditioning clutch (171) via air conditioning compressor control relay control (474) on unit (597-1)
F4	25A	BP31	<p>Fuse:</p> <p>injection locking supply relay control (238) on unit (597-1)</p> <p>Via injection locking supply relay (238) on unit (597-1):</p> <ul style="list-style-type: none"> <li>- Supply to fuse (F5) on unit (597-1)</li> <li>- Injection electric control unit (120)</li> <li>- Injectors 1, 2, 3 and 4 (193-194-195-196)</li> <li>- Additional fuel pump relay control (1639) on F4R412, 414 engines</li> </ul> <p>Via fuel pump relay (236) on unit (597-1):</p> <ul style="list-style-type: none"> <li>- Fuel gauge and pump (833)</li> <li>- Additional fuel pump (283) via additional fuel pump relay (1639) on F4R412,414 engine</li> <li>- Cylinder 3 and 4 pencil coils (1079-1080)</li> </ul>

# Fuses and Relays

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Allocation of fuses (depending on equipment level)

Fuse and relay board (597 -2)

No.	Amps	Connection	Description
F5	50A	BP7	Fuse: on air conditioning and recirculated standard heating system version with 4x4 drive: Via engine fan assembly control relay unit (1839): cooling fan assembly (188)
F6	--	--	Fuse: Not used
F7	80A	BP36	Fuse: power-assisted steering pump assembly (186) on F4R414 and 416 engines

Allocation of fuses (depending on equipment level)

Fuse and relay board (597 - 2)

No.	Amps	Description
A	20A	Relay: starter (232) on automatic gearbox version

Relay board 1639

No.	Amps	Description
D	20A	Relay: additional fuel pump (1639) on engine with biofuel
E	--	Not used