

# Fuses and Relays

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# Fuses and Relays

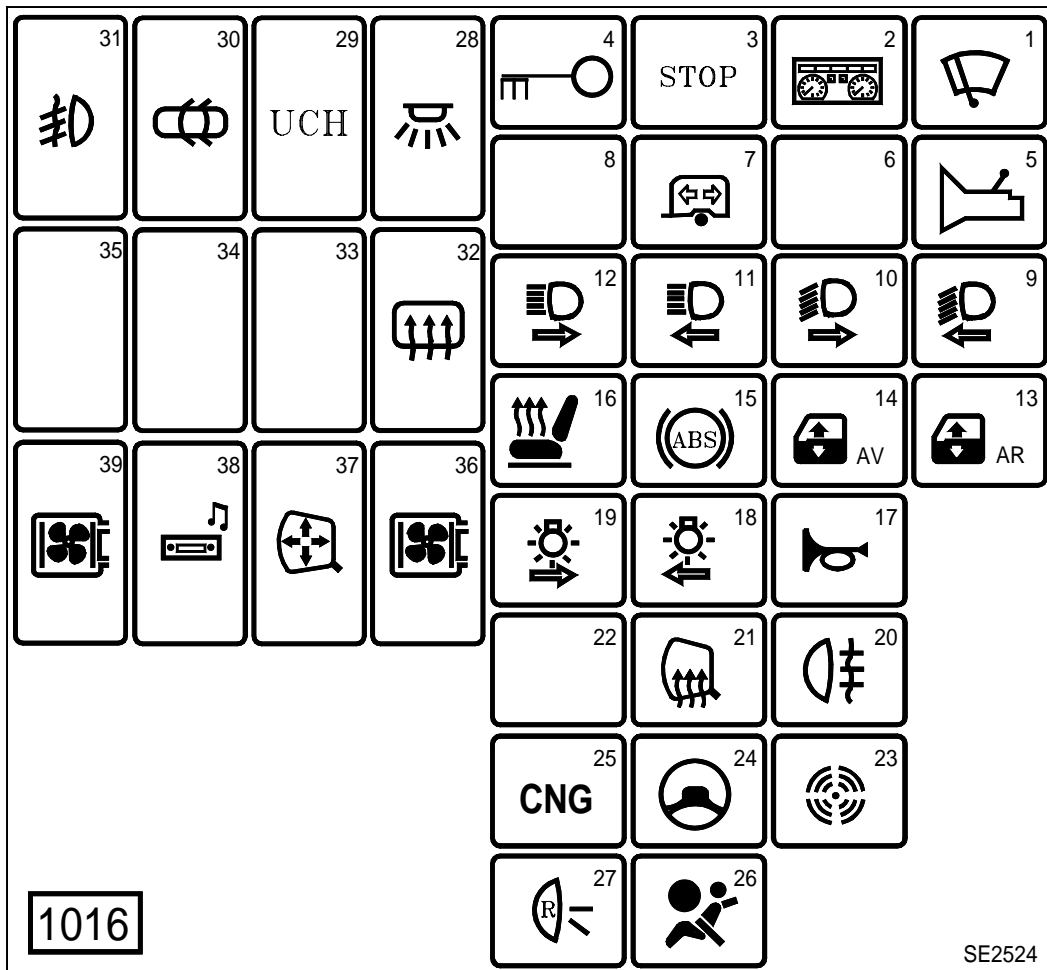
## PASSENGER COMPARTMENT FUSE BOX (1016)

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Location

This unit is located inside the passenger compartment, on the left-hand side of the dashboard.










Table of fuses:



## Fuses and Relays

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Allocation of fuses and relays (according to equipment level)

No.	Symbol	Amps	Connection	Description
F1		20A	AP7	<b>Fuse:</b> windscreen wiper motor (212) - wash/wipe combination switch (145) - UCH (645) - relay board (299-235)
F2		5A	AP29	<b>Fuse:</b> instrument panel (247) - injection relay (1047) - injection ECU (120)
F3	STOP	10A	AP1	<b>Fuse:</b> brake light switch (160)
F4		10A	AP10	<b>Fuse:</b> UCH (645) - diagnostic socket (225) - transponder unit (957) - daytime running light relay mounting (1034)
F5		--	--	Not in use
F6		--	--	Not in use
F7		--	--	Not in use
F8		--	--	Not in use
F9		10A	CPG	<b>Fuse:</b> left-hand headlight (227) - instrument panel (247) - headlight washer pump (219)
F10		10A	CPD	<b>Fuse:</b> right-hand headlight (226)
F11		10A	RPG	<b>Fuse:</b> left-hand headlight (227) - instrument panel (247)
F12		10A	RPD	<b>Fuse:</b> right-hand headlight (226)
F13		30A	AP30	<b>Fuse:</b> rear right-hand electric window control (130) - rear left-hand electric window control (131)
F14		30A	AP39	<b>Fuse:</b> driver's electric window control (132)

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








Allocation of fuses and relays (according to equipment level)

No.	Symbol	Amps	Connection	Description
F15		10A	AP5	<b>Fuse:</b> Anti-lock braking system ECU (118)
F16		15A	AP22	<b>Fuse:</b> driver's heated seat switch (615) - passenger heated seat switch (616)
F17		15A	67CP	<b>Fuse:</b> main electromagnetic horn (105) - electromagnetic horn (967) - secondary electromagnetic horn (403)
F18		10A	LPG	<b>Fuse:</b> left side light (185) - left rear light (173)
F19		10A	LPD	<b>Fuse:</b> right side light (184) - right rear light (172) - passenger glovebox light (168) - central number plate light (1324) - instrument panel (247) - UCH (645) - hazard lights command (125) - heating and air conditioning system control panel (319) - radio (261) - central door locking switch (123) - first row cigarette lighter (101) - rear screen de-icing control (128) - driver's electric window control (132) - one-touch de-icing control (1456) - child safety control (135)
F20		7.5A	9P	<b>Fuse:</b> rear fog light (left-hand rear light 173) - instrument panel (247)
F21		5A	15RP	<b>Fuse:</b> passenger and driver's heated door mirrors (239-240)
F22		--	--	Not in use
F23		--	--	Not in use
F24		5A	AP23	<b>Fuse:</b> power-assisted steering pump assembly (186)
F25	natural gas fuel	5A	AP31	<b>Fuse:</b> natural gas fuel injection unit (997)
F26		5A	AP25	<b>Fuse:</b> airbag and pretensioner control unit (756)

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Allocation of fuses and relays (according to equipment level)

No.	Symbol	Amps	Connection	Description
F27		20A	AP9	<b>Fuse:</b> rear screen wiper (211) – wash/wipe combination switch (145) – headlight washer pump (219) – reversing lights switch (155)
F28		15A	BC	<b>Fuse:</b> consumer cut-out - instrument panel (247) - radio (261) - UCH (645) - luggage compartment light (165) -3rd row interior light (1425) -central interior light (529)
F29	UCH	15A	BP56	<b>Fuse:</b> UCH (645) - diagnostic socket (225)
F30		20A	BP3	<b>Fuse:</b> UCH (645)
F31		15A	BP16	<b>Fuse:</b> relay board supply (299 -231)
F32		30A	AP12 BP15	<b>Fuse:</b> heated rear screen switch (128) <b>Fuse:</b> relay board (299-235)
F33		--	--	Not in use
F34		--	--	Not in use
F35		--	--	Not in use
F36		30A	BP1	<b>Fuse:</b> cold air blower unit supply (233)
F37		5A	SP1	<b>Fuse:</b> electric door mirror control (134)
F38		10A	SP2	<b>Fuse:</b> radio (261) - first row cigarette lighter (101) - running lights relay mounting (1034)
F39		30A	SP3	<b>Fuse:</b> heating and air conditioning system control panel (319) - cold air blower relay (233)

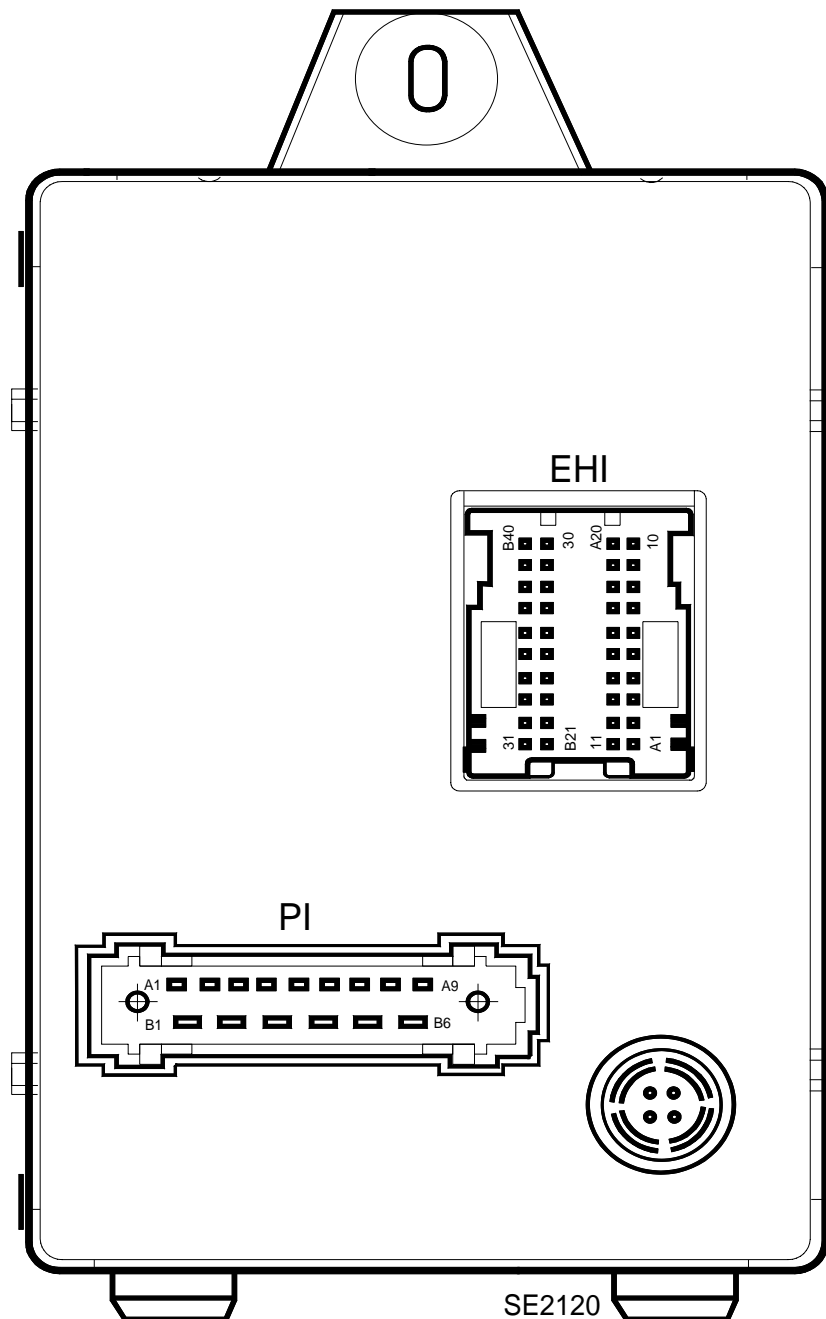
# Fuses and Relays

## UCH (645)

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### Location

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



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Allocation (according to equipment level)

EH1 (40-track connector) **BLACK MODULE BASE**

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

## Fuses and Relays

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Allocation (according to equipment level)

EH1 (40-track connector) **BLACK MODULE BASE**

<b>GREEN MODULE</b>		
<b>B21</b>	--	Not in use
<b>B22</b>	AP10	Brake light fuse protected + after ignition feed
<b>B23</b>	--	Not in use
<b>B24</b>	14E	Windscreen wiper timer + control
<b>B25</b>	--	Not in use
<b>B26</b>	64T	Left-hand direction indicator timer On control
<b>B27</b>	--	Not in use
<b>B28</b>	64S	Right-hand direction indicator timer On control
<b>B29</b>	--	Not in use
<b>B30</b>	13N	Interior lighting - control > Rear body flange
<b>B31</b>	15M	Heated rear screen relay - control
<b>B32</b>	80T	Software lock indicator light - control
<b>B33</b>	64Q	Central flasher unit timer - control
<b>B34</b>	HK	Fault finding signal K
<b>B35</b>	--	Not in use
<b>B36</b>	H17	Software lock > Diesel > petrol injection code signal
<b>B37</b>	--	Not in use
<b>B38</b>	H7	Engine speed input on L90 version
<b>B39</b>	15B	Heated rear screen + control
<b>B40</b>	13A	Interior lighting - control > Front body flange



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Allocation (according to equipment level)

P1 (15-track connector) **WHITE MODULE BASE**

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

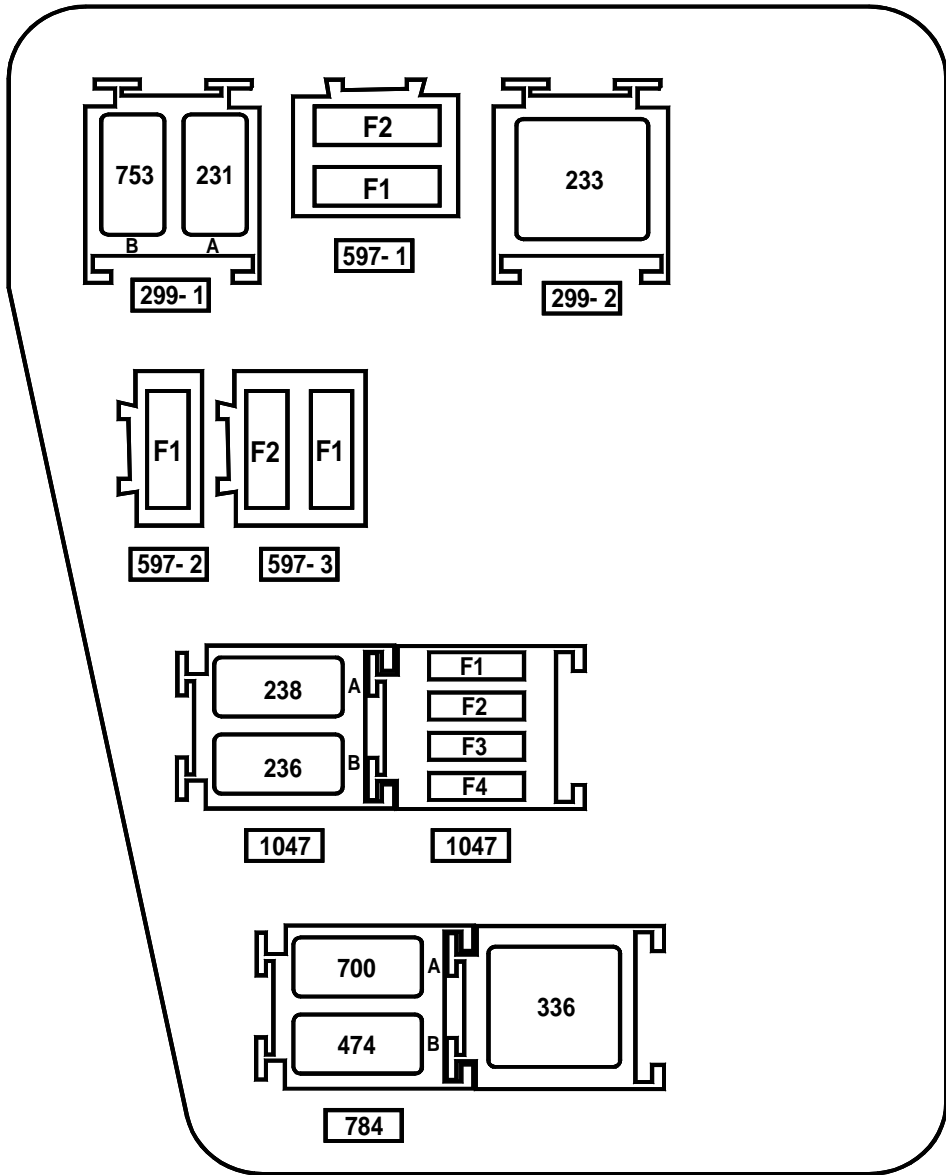
# Fuses and Relays

## FUSE AND RELAY BOARDS (299 - 597 - 336 - 784 - 1047) - K4M - K7J - K7M ENGINES

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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 (according to equipment level)

**Fuse board 597- 1**

No.	Amps	Connection	Description
F1	50A	BP14	Fuse: anti-lock braking system ECU (118)
F2	25A	BP88	Fuse: anti-lock braking system ECU (118)

**Fuse board 597- 2**

No.	Amps	Connection	Description
F1	40A	BP7	Fuse: fan unit high-speed relay supply (336) - relay board (784)

**Fuse board 597- 3**

No.	Amps	Connection	Description
F1	60A	BP13	Fuse: ignition switch (104) - stalk (209) - running light relay (1034)
F2	60A	BP11	Fuse: stalk (209) - passenger compartment fuse box (1016)

**Fuse board 1047**

No.	Amps	Connection	Description
F1	30A	BP7	Fuse: relay board supply (784)
F2	25A	BP17	Fuse: injection relay supply (1047)
F3	5A	BP37	Fuse: injection relay supply (1047) - injection ECU (120)
F4	15A	BP12	Fuse: gas solenoid valve relay supply (1259)

## Fuses and Relays

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Allocation of relays (depending on equipment level)

**Relay board 299- 1**

No.	Amps	Description
A	20A	Relay: front fog lights (231)
B	20A	Relay: headlight washer pump (753)

**Relay board 299- 2**

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

**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 (474)

**Unit relay**

No.	Amps	Description
336	40A	Relay: high-speed fan unit

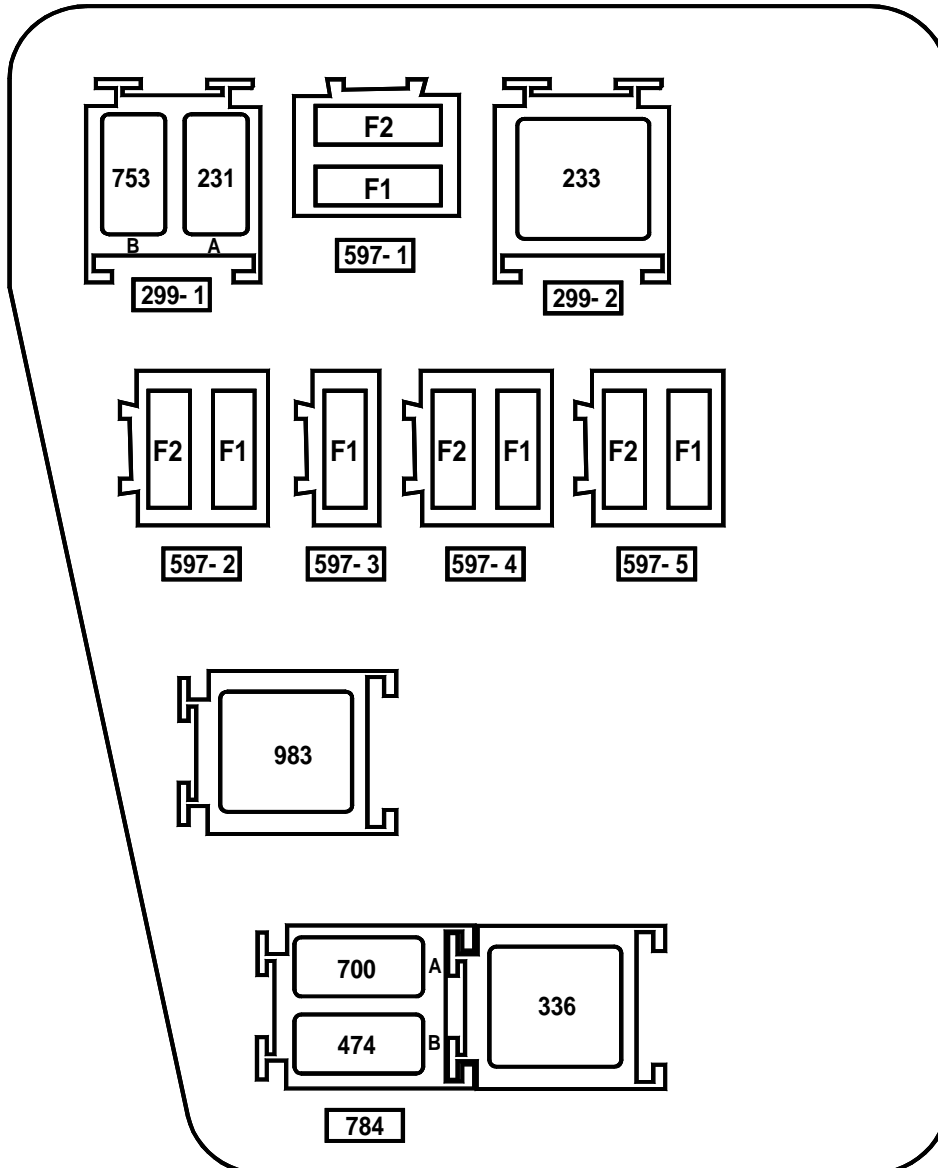
# Fuses and Relays

## FUSE AND RELAY BOARDS (299 - 597 - 336 - 784 - 983) - K9K790 - K9K792 - K9K796 ENGINES

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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 (according to equipment level)

## Fuse board 597- 1

No.	Amps	Connection	Description
F1	50A	BP14	Fuse: anti-lock braking system ECU (118)
F2	25A	BP88	Fuse: anti-lock braking system ECU (118)

## Fuse board 597- 2

No.	Amps	Connection	Description
F1	40A	BP7	Fuse: relay board supply (784) - high-speed fan unit relay (336)
F2	30A	BP38	Fuse: injection ECU supply relay (983)

## Fuse board 597- 3

No.	Amps	Connection	Description
F1	70A	BP35	Fuse: preheating unit (257)

## Fuse board 597- 4

No.	Amps	Connection	Description
F1	80A	BP9	Fuse: additional heater 1 relay supply (1067) - additional heater 2 relay (1068)
F2	80A	BP36	Fuse: power assisted steering pump assembly supply (186)

## Fuse board 597- 5

No.	Amps	Connection	Description
F1	60A	BP13	Fuse: ignition switch (104) - stalk (209) - running light relay (1034)
F2	60A	BP11	Fuse: stalk (209) - passenger compartment fuse box (1016)

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Allocation of relays (depending on equipment level)

#### Relay board 299- 1

No.	Amps	Description
A	20A	Relay: front fog lights (231)
B	20A	Relay: headlight washer pump (753)

#### Relay board 299- 2

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

#### Relay board 784

No.	Amps	Description
A	20A	Relay: low-speed fan assembly (700)
B	20A	Relay: air conditioning clutch (474)

#### Unit relays

No.	Amps	Description
336	40A	Relay: high-speed fan unit
983	40A	Relay: diesel injection ECU supply