

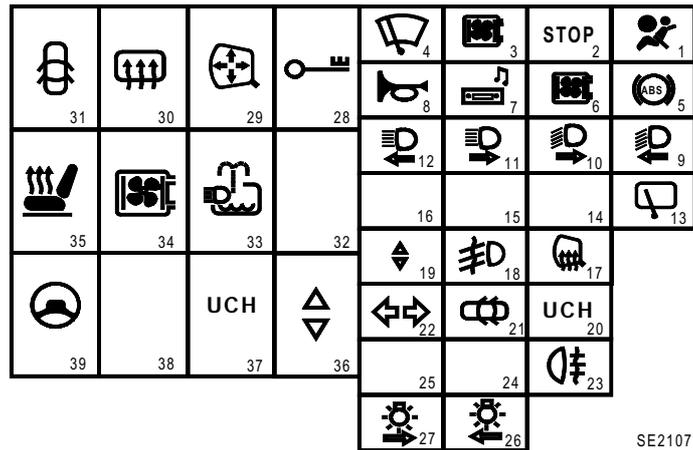
# Fuses and relays

## PASSENGER COMPARTMENT FUSE BOX (1016)

### location

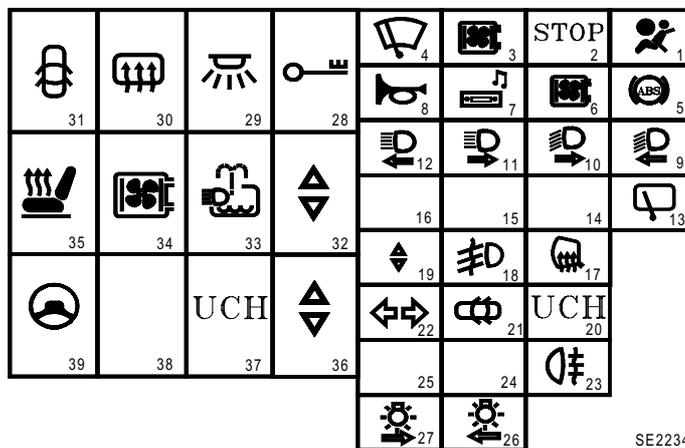
This fuse box is located in the passenger compartment on the driver's side.

### Fuse symbols on vehicles produced before 16 June 2003.



SE2107

### Fuse symbols on vehicles produced after 16 June 2003.



SE2234

### Allocation of fuses (according to equipment level)

No.	Symbol	Amps	Description
F1		15A	Airbag (756)
F2	STOP	15A	Brake lights (160) - Instrument panel (247) Eco/Perf control (129) - Diagnostic socket (225) - Driving school (469) - Opening warning (771) - Cruise control / Speed limiter control (1081) - Car phone connection (R251) - <b>Heated door mirror control (134) for vehicles produced after 16 June 2003</b>

## Fuses and relays

No.	Symbol	Amps	Description
F3		15A	Windscreen wiper compound control (145) - Reversing lights switch (155) - Air conditioning control panel (319) - Passenger compartment temperature sensor fan (418) - Air conditioning control unit (419) - Footwell vents air conditioning distribution motor (1115) - Rain sensor computer (1124) - Starter relay (232) - Discharge bulb ECU (989) - Headlight adjuster motors (537-538)
F4		20A	Windscreen wiper (145)
F5		10A	ABS system (118-1094)
F6		10A	Multi-timer unit (645) - Air conditioning computer (419)
F7		15A	Radio (261) - Cigarette lighter (101) - Clock (210) (653) - Courtesy mirror (588) - Heated rear screen relay (235) - Central communication unit (1125)
F8		15A	Horn (105)
F9		15A	Left-hand dipped headlight (226-226-562-989)
F10		15A	Right-hand dipped headlight (226-227-247)
F11		10A	Right-hand main beam headlight (226-227)
F12		10A	Left-hand main beam headlight (226-227)
F13		20A	Rear screen wiper via passenger compartment ECU (645)
F14		--	Reserved
F15		--	Reserved
F16		--	Reserved
F17		10A	Heated door mirrors (239-240)
F18		20A	Front fog lights (231)
F19		30A	Passenger electric windows (204-1512)
F20	UCH	20A	Driver's electric windows via UCH (203-645)
F21		5A	Multi-timer unit (645) - Diagnostic socket (225) - Central door locking control (123) - Instrument panel (247)
F22		15A	Indicators and hazard warning lights via passenger compartment ECU (645)
F23		15A	Rear fog light (172-173)
F24		--	Reserved
F25		--	Reserved
F26		10A	LH side lights - Interior control lighting
F27		10A	RH side lights - Interior control lighting

## Fuses and relays

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No.	Symbol	Amps	Description
F28		2A	Decoder unit (503)
F29		20A	Consumer cut-out - Interior lights - Radio (261)- Clock (210) - <b>Heated door mirror control (134) for vehicles produced before 16 June 2003</b>
F30		30A	Heated rear screen via passenger compartment ECU (645)
F31		20A	Central door locking via passenger compartment ECU (645)
F32		--	Reserved
F33		20A	Headlight washers (753-1338)
F34		20A	Heating/air conditioning fan unit (233)
F35		20A	Heated seats via passenger compartment ECU (645)
F36		30A	Passenger electric windows via UCH (133-204-645-1168)
F37	UCH	10A	Passenger compartment ECU (645)
F38		--	Preparing for caravan connection (30A max)
F39		15A	Electric power steering (502)

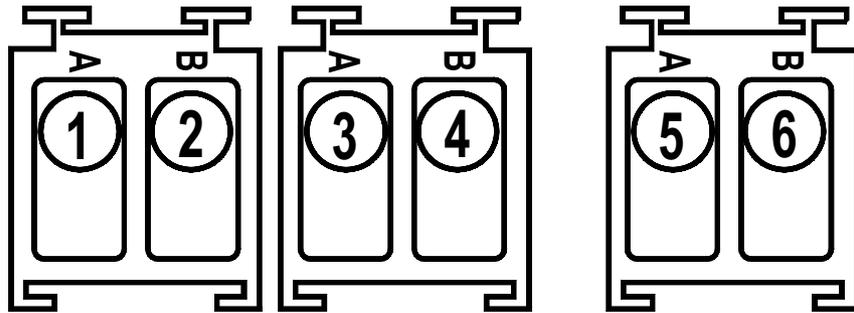
# Fuses and relays

## PASSENGER COMPARTMENT RELAY UNIT

### location

These relays are located in the passenger compartment driver's side next to the UCH.

(remember that the dual relay plates may be in a different order)



### Allocation (according to equipment level)

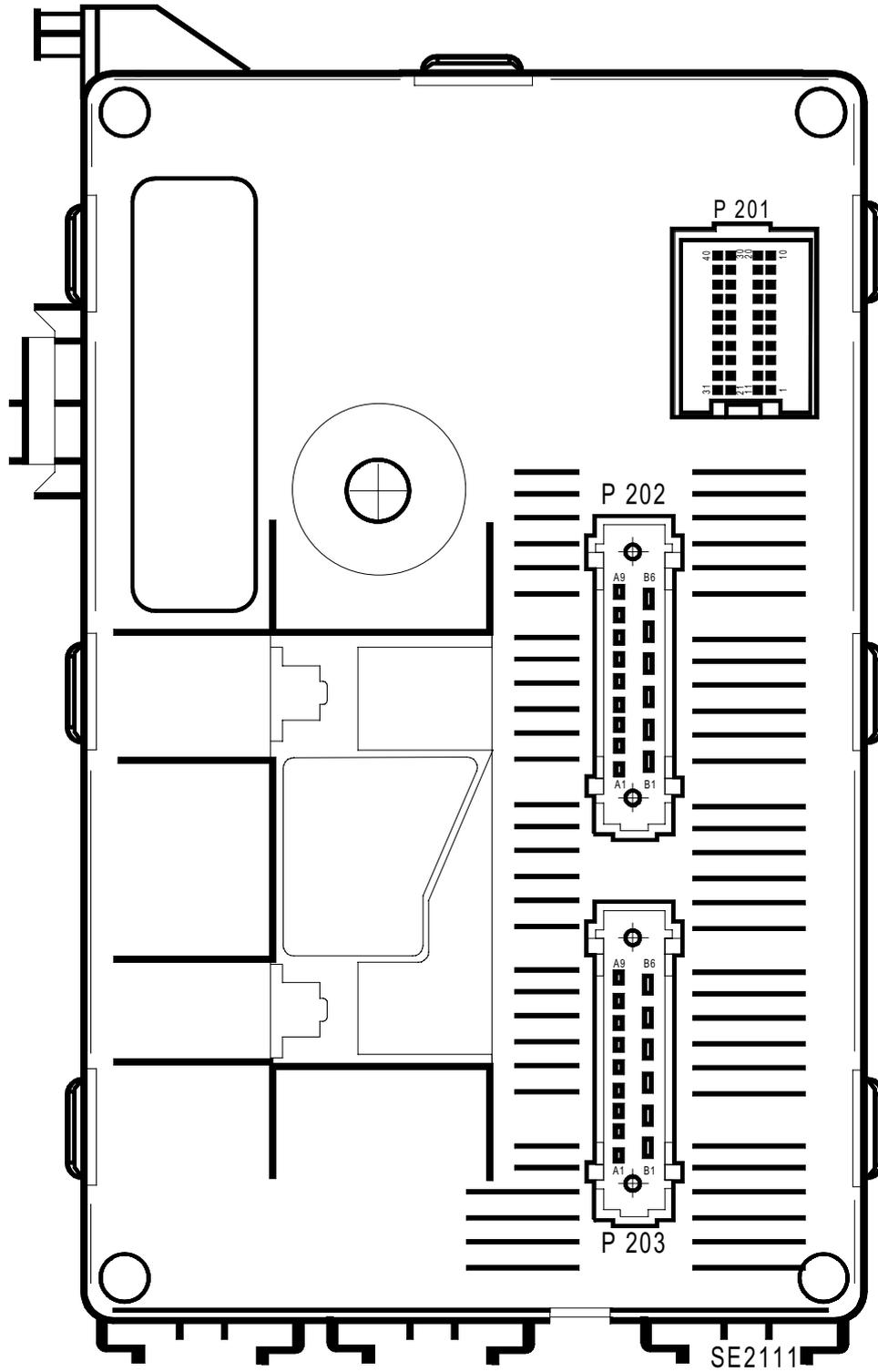
Track	Description
1	<b>Relay:</b> daytime running lights (289)
2	<b>Relay:</b> daytime running lights monitor (288)
3	<b>Relay:</b> front fog lights (231)
4	<b>Relay:</b> dipped daytime running lights (290)
5	<b>Relay:</b> headlight washers pump 1 (1338)
6	<b>Relay:</b> headlight washers pump 2 (753)

# Fuses and relays

UCH (645)

## location

This fuse box is located in the passenger compartment on the driver's side.



# Fuses and relays

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## Allocation (according to equipment level)

P201 (black 40-track connector)

<b>Track</b>	<b>Description</b>
1	Side lights relay output
2	Dipped headlights input
3	Passenger one-touch electric windows lowering input
4	Passenger one-touch electric windows raising input
5	Software lock warning light output
6	Windscreen wiper timer input
7	battery + feed
8	Transponder line input
9	CAN L
10	CAN H
11	Dipped headlights relay output
12	Main beam headlights input
13	Rain sensor line
14	Starter relay output
15	Electric central locking warning light output
16	Rear screen wiper park position contact input
17	Windscreen wiper park position contact input
18	Diagnostic line K
19	CAN L
20	CAN H
21	Windscreen wiper high speed input
22	Windscreen wiper low speed input
23	+ Accessories feed
24	Rear screen washer input
25	Windscreen washer input
26	Side lights input
27	Left-hand indicators input
28	Right-hand indicators input
29	Hazard lights input
30	Rear door switch input
31	Hazard warning light output
32	Reverse gear switch input
33	+ after ignition feed
34	Rear screen wiper input
35	Heated rear screen input
36	Electric central locking input
37	Driver's one-touch electric windows lowering input
38	Driver's one-touch electric windows raising input
39	Luggage compartment switch input
40	Front door switch input

# Fuses and relays

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P202 (clear 15-track connector)

Track	Description
A1	Windscreen wiper high speed output
A2	+ after ignition feed for rear screen wiper
A3	+ battery feed for lighting management
A4	+ after ignition feed for windscreen wiper
A5	Headlight washers pump 1 relay output
A6	+ battery feed for timed supply
A7	Headlight washers pump 2 relay output
A8	Courtesy lights output
A9	Underfloor output
B1	Passenger one-touch electric windows raising output
B2	Driver's one-touch electric windows lowering output
B3	Driver's one-touch electric windows + battery feed
B4	Earth
B5	Driver's one-touch electric window raising output
B6	Earth

P203 (black 15-track connector)

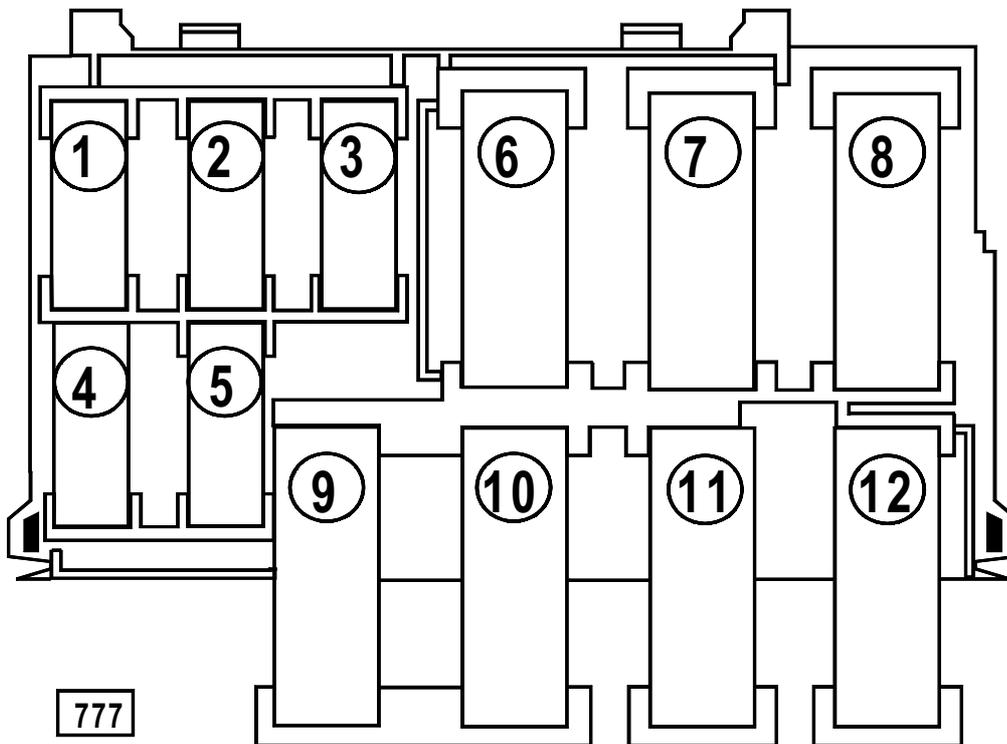
Track	Description
A1	+ battery feed for indicators
A2	Left-hand indicators output
A3	Right-hand indicators output
A4	Electric central locking closure output
A5	Main beam headlights relay output
A6	Electric central locking opening output
A7	+ battery feed for electric central locking
A8	Rear wiper output
A9	Windscreen wiper low speed output
B1	+ after ignition feed for heated rear screen
B2	Rear screen de-icer output
B3	Electric windows input
B4	Electric windows + after ignition feed output
B5	Passenger one-touch electric windows lowering output
B6	+ battery feed for passenger one-touch electric windows

# Fuses and relays

## ENGINE FUSE BOX (777)

Fuse box (engine side)

D7F/D4F/D4F-BVR5 engines except D7F764



SE2181

Allocation (according to equipment level)

Track	Amps	Description
1	30A	Fuse: injection (236)
2	30A	Fuse: engine functions (234) with heater
3	20A	Fuse: sequential gearbox computer + protected battery (D4F)
4	5A	Fuse: sequential gearbox + after ignition
5	15A	Fuse: injection (120-236-238)
6	40A	Fuse: sequential gearbox pump assembly (D4F)
7	50A	Fuse: engine functions (234-700) with air conditioning
8	60A	Fuse: dashboard (104-209-645)
9	25A	Fuse: anti-lock braking system, for ABS 8.0 (solenoid valves)
10	50A/60A	Fuse: anti-lock braking system <b>50A (721)</b> or directional stability control <b>60A (1094)</b>
11	60A	Fuse: dashboard (209-645-853)
12	30A	Fuse: air conditioning fan (233)

Common fuse:

**80 A**

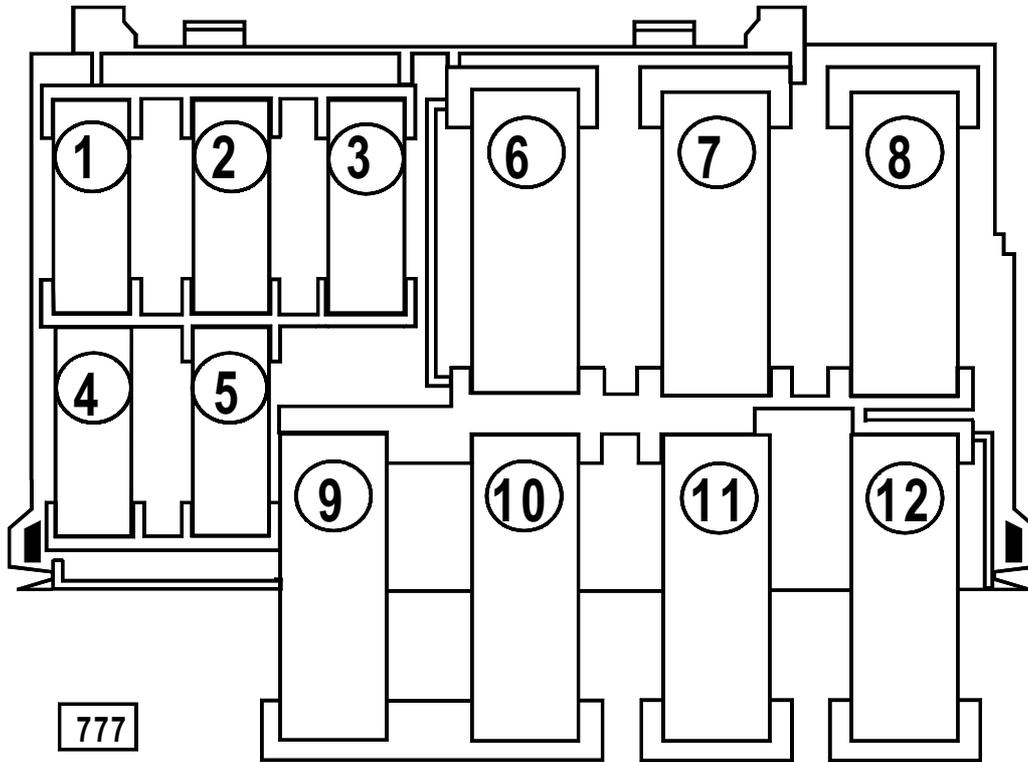
power assisted steering pump assembly (502)

# Fuses and relays

## ENGINE FUSE BOX (777)

Fuse box (engine side)

### D7F764 engine - Liquefied Petroleum Gas (LPG)



SE2181

Allocation (according to equipment level)

Track	Amps	Description
1	30A	Fuse: injection (236)
2	30A	Fuse: engine functions (234) with heater
3	5A	Fuse: liquid petroleum gas ECU (997)
4	10A	Fuse: liquid petroleum gas functions (1001-1161)
5	15A	Fuse: injection (120-236-238)
6	--	Not in use
7	50A	Fuse: engine functions (234-700) with air conditioning
8	60A	Fuse: dashboard (104-209-645)
9	25A	Fuse: anti-lock braking system, for ABS 8.0 (solenoid valves)
10	50A	Fuse: anti-lock braking system (118)
11	60A	Fuse: dashboard (209-645-853)
12	--	Not in use

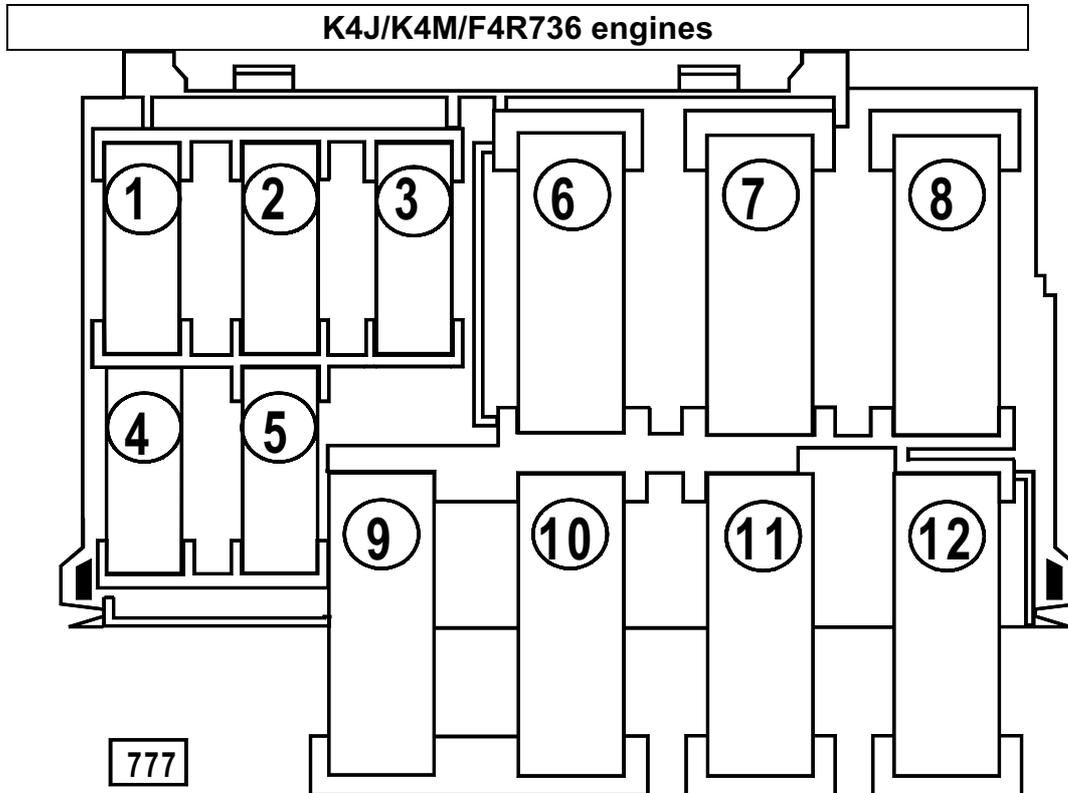
Common fuse:

**80 A** power assisted steering pump assembly (502)

# Fuses and relays

## ENGINE FUSE BOX (777)

Fuse box (engine side)



SE2181

Allocation (according to equipment level)

Track	Amps	Description
1	30A	Fuse: injection (236-238)
2	30A	Fuse: engine functions (234) with heater
3	5A	Fuse: injection (120-236)
4	5A	Fuse: automatic gearbox (119)
5	15A	Fuse: injection - ignition (120-238-250-778)
6	--	Not in use
7	50A	Fuse: engine functions (234-700) with air conditioning
8	60A	Fuse: dashboard (104-209-645)
9	25A	Fuse: anti-lock braking system, for ABS 8.0 (solenoid valves)
10	50A/60A	Fuse: anti-lock braking system <b>50A (721)</b> or directional stability control <b>60A (1094)</b>
11	60A	Fuse: dashboard (209-645-853)
12	30A	Fuse: air conditioning fan (233)

Common fuse:

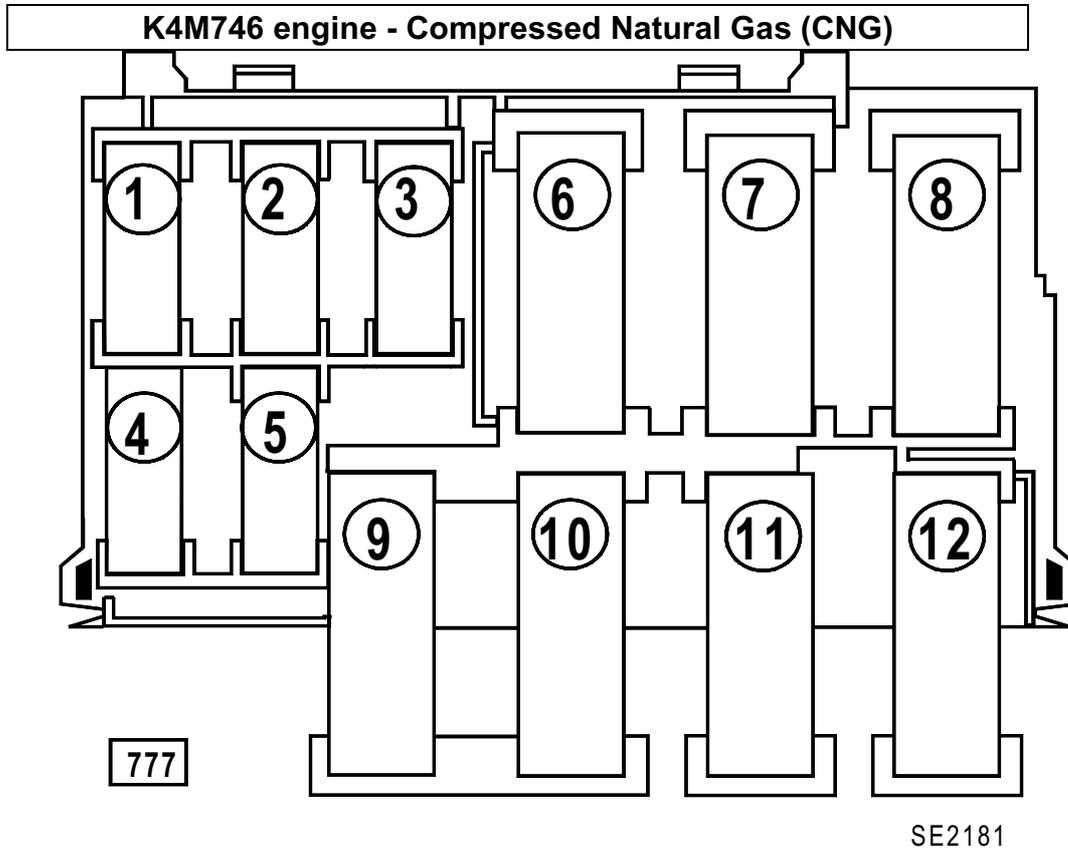
**80 A**

power assisted steering pump assembly (502)

# Fuses and relays

## ENGINE FUSE BOX (777)

Fuse box (engine side)



Allocation (according to equipment level)

Track	Amps	Description
1	30A	Fuse: injection (236-238)
2	30A	Fuse: engine functions (234) with heater
3	5A	Fuse: injection (120-236)
4	5A	Fuse: compressed natural gas functions (597-1259)
5	15A	Fuse: injection - ignition (120-238-250-778-997)
6	--	Not in use
7	50A	Fuse: engine functions (234-700) with air conditioning
8	60A	Fuse: dashboard (104-209-645)
9	25A	Fuse: anti-lock braking system, for ABS 8.0 (solenoid valves)
10	50A/60A	Fuse: anti-lock braking system <b>50A (721)</b> or directional stability control <b>60A (1094)</b>
11	60A	Fuse: dashboard (209-645-853)
12	30A	Fuse: air conditioning fan (233)

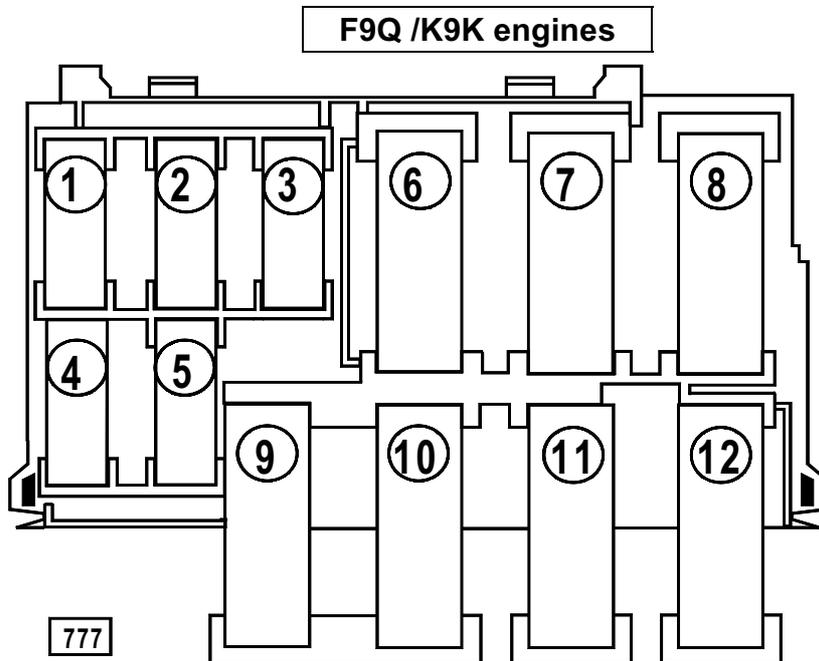
Common fuse:

**80 A** power assisted steering pump assembly (502)

# Fuses and relays

## ENGINE FUSE BOX (777)

Fuse box (engine side)



SE2181

Allocation (according to equipment level)

Track	Amps	Description
1	25A	Fuse: injection (238)
2	30A	Fuse: Engine functions (234)
3	--	Not in use
4	--	Not in use
5	15A	Fuse: Engine functions (238-927)
6	70A	Fuse: preheater unit (257-120)
7	50A	Fuse: Engine functions (234-450-700)
8	60A	Fuse: dashboard (104-209-645)
9	25A	Fuse: anti-lock braking system, for ABS 8.0 (solenoid valves)
10	50A	Fuse: anti-lock braking system (118)
11	60A	Fuse: dashboard (209-645-853)
12	60A	Fuse: air conditioning fan (233)

Common or dual fuse (according to equipment level):

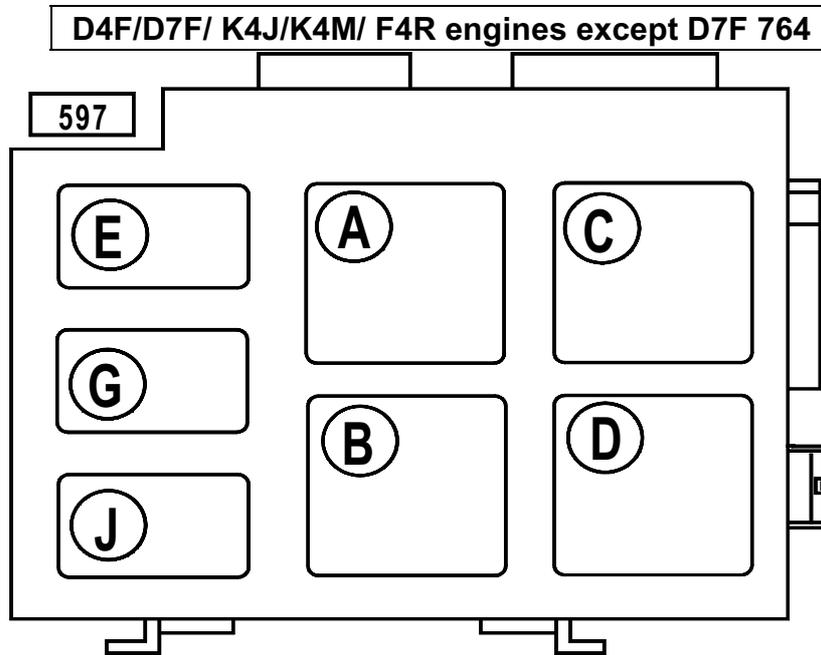
**80 A** power assisted steering pump assembly (502)

**80 A** Thermoplungers (1049)

# Fuses and relays

## ENGINE RELAY UNIT (597)

Relay unit (engine side)

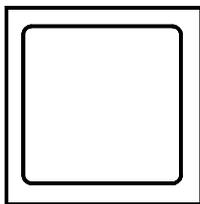


SE2184

Allocation (according to equipment level)

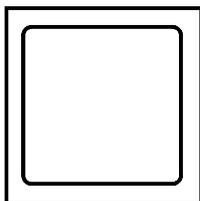
Track	Amps	Description
A	60A	Relay: fan unit (234) with air conditioning
B	40A	Relay: fuel pump (236)
C	60A 40A	Relay: sequential gearbox pump assembly (762) Relay: fan assembly (234) <b>without air conditioning for F4R736</b>
D	40A	Relay: air conditioning compressor control (474)
E	20A	Relay: fan unit low speed (700) with air conditioning
G	20A	Relay: starter (232)
J	20A	Relay: injection locking (238)

Common or dual fuse (according to equipment level):



SE2109

Relay: cold air blower unit (233) (yellow)



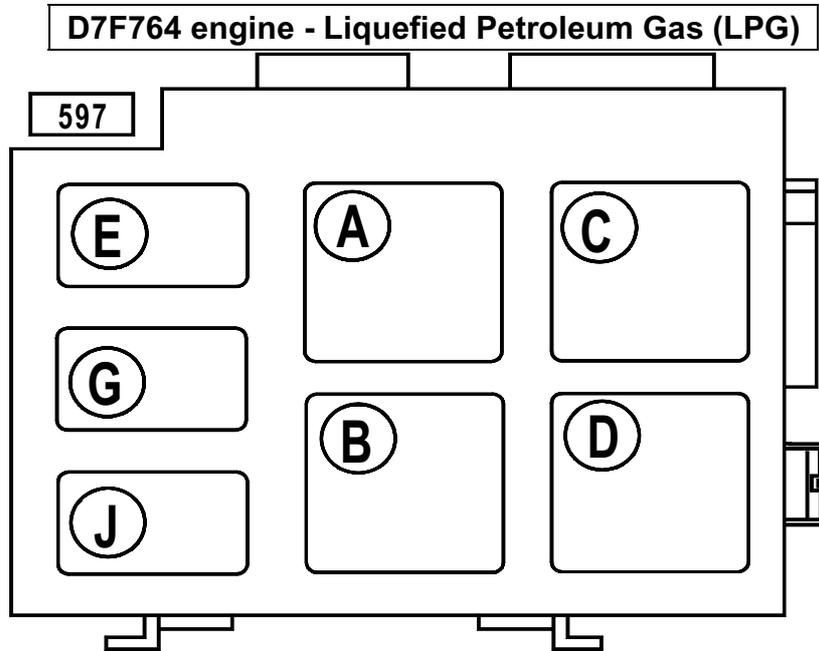
SE2109

Relay: reversing light (602) (brown)

# Fuses and relays

## ENGINE RELAY UNIT (597)

Relay unit (engine side)

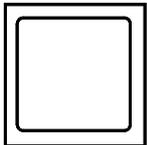


SE2184

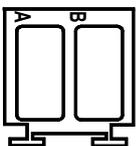
Allocation (according to equipment level)

Track	Amps	Description
<b>A</b>	<b>60A</b>	<b>Relay:</b> fan unit (234) with air conditioning
<b>B</b>	<b>40A</b>	<b>Relay:</b> fuel pump (236)
<b>C</b>	<b>60A</b>	<b>Relay:</b> sequential gearbox pump assembly (762)
<b>D</b>	<b>40A</b>	<b>Relay:</b> liquid petroleum gas solenoid valve (1161)
<b>E</b>	<b>20A</b>	<b>Relay:</b> fan unit low speed (700) with air conditioning
<b>G</b>	<b>20A</b>	<b>Relay:</b> starter (232)
<b>J</b>	<b>20A</b>	<b>Relay:</b> injection locking (238)

Relay (according to equipment):



**Relay:** cold air blower unit (233) (yellow)



**A - Relay:** air conditioning compressor control (474)

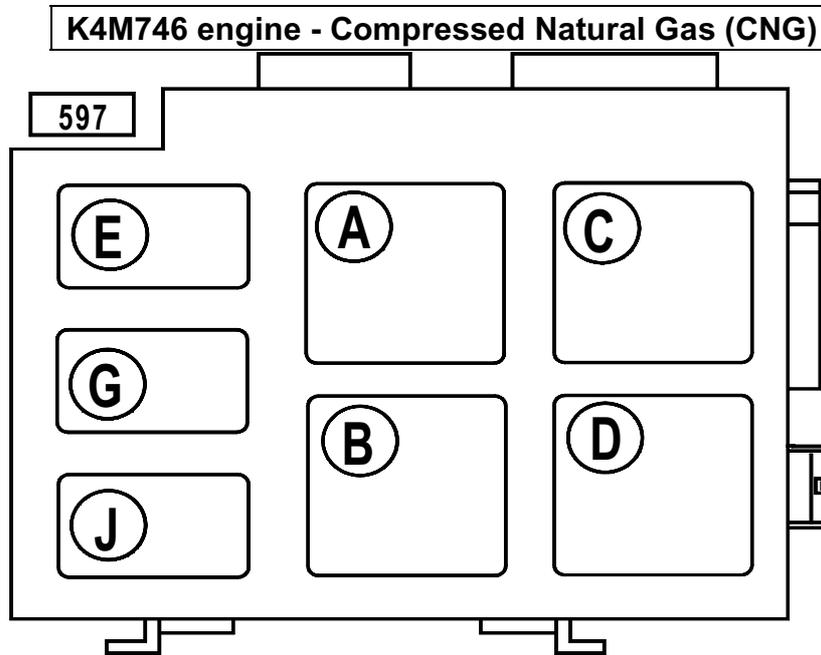
**B - Relay:** fuel pump cut-out for liquid petroleum gas (1196)

SE2110

# Fuses and relays

## ENGINE RELAY UNIT (597)

Relay unit (engine side)

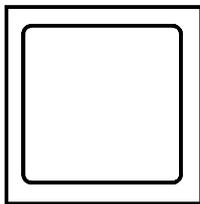


SE2184

Allocation (according to equipment level)

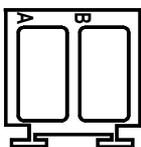
Track	Amps	Description
A	60A	Relay: fan unit (234) with air conditioning
B	40A	Relay: fuel pump (236)
C	50A	Relay: compressed natural gas injection (597-1259)
D	40A	Relay: air conditioning compressor control (474)
E	20A	Relay: fan unit low speed (700) with air conditioning
G	20A	Relay: starter (232)
J	20A	Relay: injection locking (238)

Common or dual fuse (according to equipment level):



SE2109

Relay: cold air blower unit (233) (yellow)



SE2110

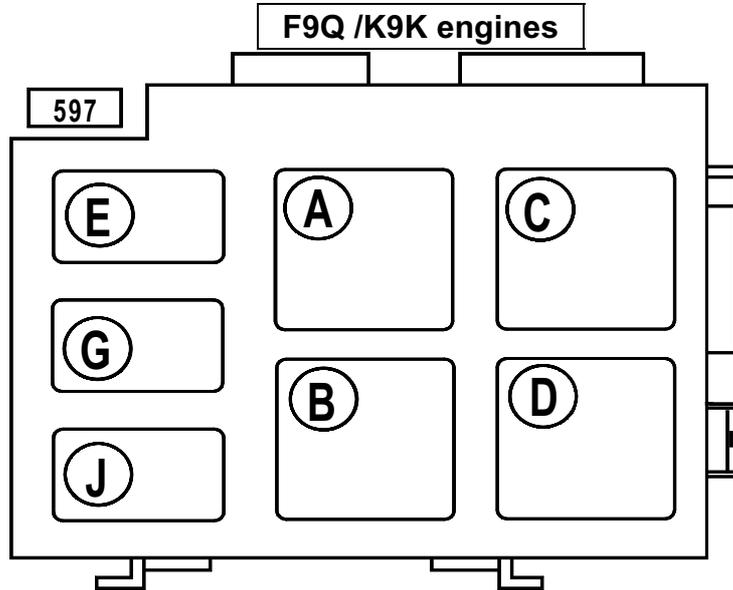
A - Relay: fuel pump cut-out for compressed natural gas (1161-1196)

B - Relay: compressed natural gas tank solenoid valve control (1161-1457)

# Fuses and relays

## ENGINE RELAY UNIT (597)

Relay unit (engine side)

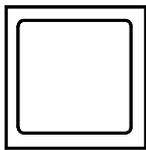


SE2184

Allocation (according to equipment level)

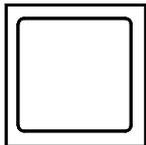
Track	Amps	Description
A	60A	Relay: thermoplungers (1068)
B	40A	Relay: fan unit (234) with air conditioning
C	60A	Relay: power assisted steering pump assembly (409)
D	40A	Relay: thermoplungers (1067)
E	20A	Relay: fan unit low speed (700) with air conditioning
G	20A	Relay: starter (232)
J	20A	Relay: diesel injection ECU supply (983) or injection locking relay (238)

Relay (according to equipment level and engine):

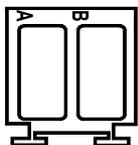


SE2109

Relay: cold air blower unit (233) K9K and F9Q (yellow)



Relay: air conditioning compressor control (474) K9K (brown)



SE2110

A - Relay: diesel fuel heater (450) F9Q

B - Relay: air conditioning compressor control (474) F9Q