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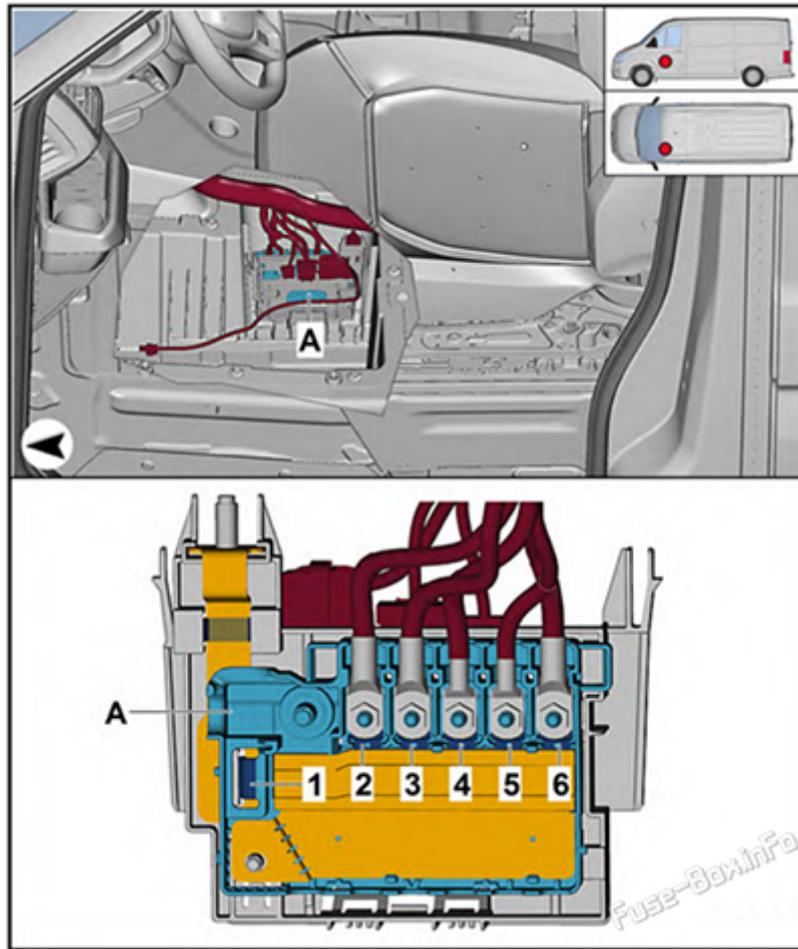
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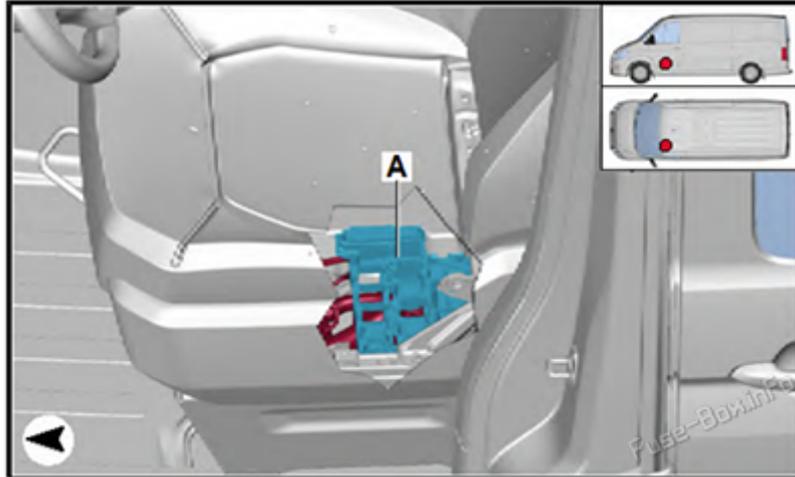
## Fuse holder A



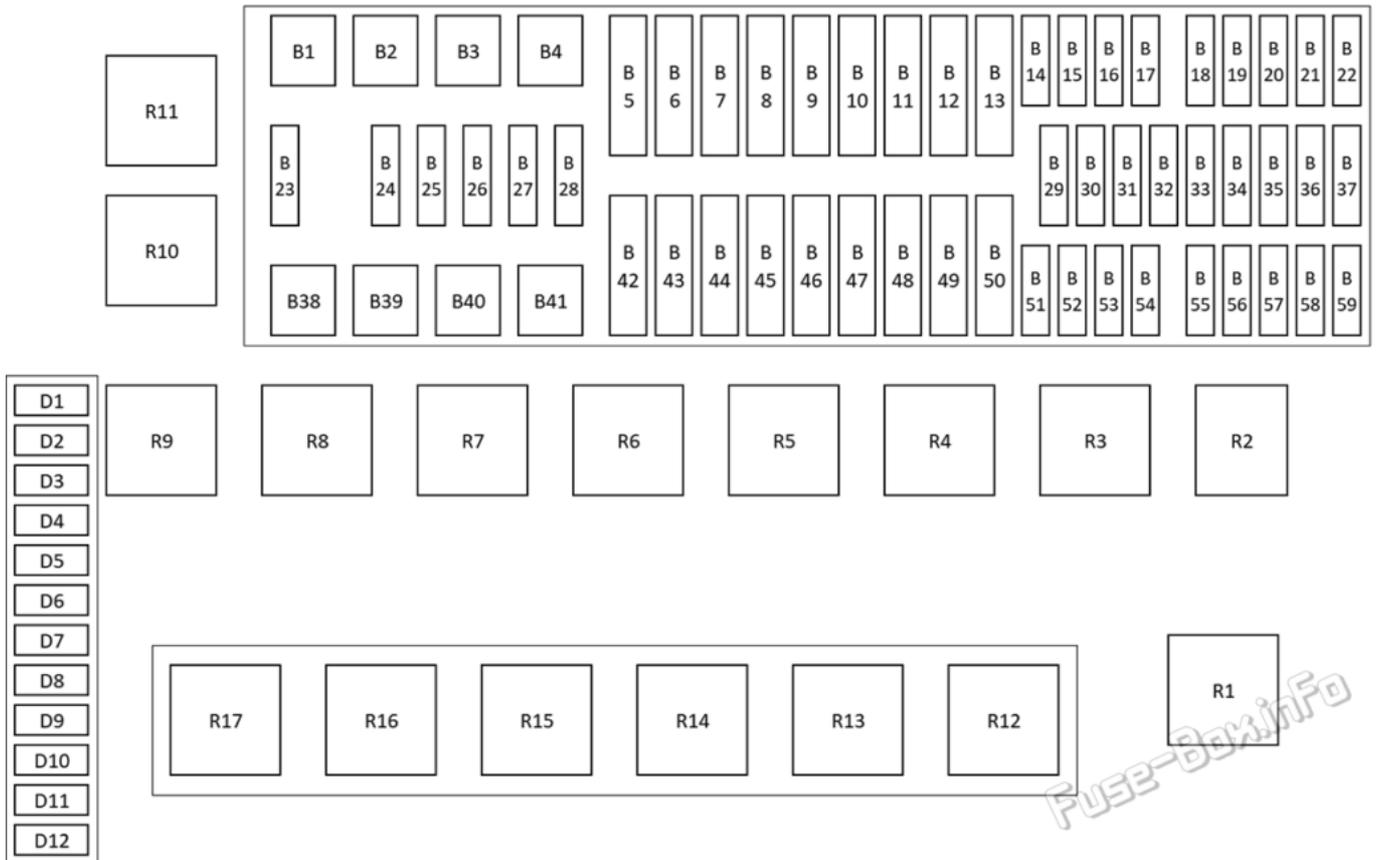
No	Amps	Function/component
1	-	not assigned
2	125A	Fuses on fuse holder B: #1, 17, 38, 54
3	150A	Auxiliary air heater element
4	100A	Terminal 15 voltage supply relay Fuses on fuse holder B: #24, 28, 29, 37
5	100A	Fuses on fuse holder C: #1, 3, 16, 20, 23, 28, 43, 45, 52
6	125A	Fuses on fuse holder C: #2, 4, 14, 31, 38, 42, 46, 50, 52, 53 Heated rear window relay Terminal 15 voltage supply relay 2

# Fuse and relay box under the seat (Fuse holders B & D)

## Fuse Box Location



## Fuse Box Diagram



## Assignment of the fuses and relays under the seat

<b>No</b>	<b>Amps</b>	<b>Function/component</b>
B1	40A	Control unit for supplementary blower for air conditioning
B2	40A	Fresh air blower control unit
B2	60A	DC/AC converter with socket,12 V - 230 V
B3	40A	Control unit for supplementary blower 2 for air conditioning
B4	50A	Heated windscreen relay Heated windscreen
B5	15A	Heater and air conditioning controls
B6	20A	12 V socket 4 (models with no second battery) 12 V socket 5 (models with no second battery) 12 V socket 6 (models with no second battery) Fuse 7 on fuse holder D (models with second battery)
B7	15A	Coupling point 3 for tail lift
B8	30A	Special vehicle control unit
B9	20A	Battery charger, 230 or 110 Volt/12 Volt (models with no second battery) 12 V socket (models with no second battery) 12 V socket 2 (models with no second battery) 12 V socket 3 (models with no second battery) 12 V socket (models with no second battery)
B10	20A/30A	Auxiliary heater control unit Control unit for front right massage seat
B11	30A	Coupling point 3 for 3-way tipper
B12	15A	Switch-over relay 1 for roof ventilator (models with no second battery) Roof ventilator
B13	20A	Control unit for front left massage seat

<b>No</b>	<b>Amps</b>	<b>Function/component</b>
B14	10A	Tyre Pressure Monitoring System control unit
B15	10A	Selector lever sensors control unit
B16	10A	Relay for reducing agent metering system
B17	10A	Circulation pump relay Circulation pump
B18	10A	Engine control unit
B19	-	not assigned
B20	-	not assigned
B21	15A	Rear left wing door window wiper motor
B22	-	not assigned
B23	-	not assigned
B24	10A	Headlight range control regulator Tachograph Front left headlight Front right headlight Diagnostic connection Auxiliary air heater element
B25	15A	Rear left wing door window wiper motor (panel van and Kombi models) Fuses #21, 58 on fuse holder B
B26	20A	Coupling point 3 for tail lift Coupling point 3 for 3-way tipper
B27	10A	Adaptive cruise control unit Blind Spot Monitor control unit Blind Spot Monitor control unit 2 Front camera for driver assist systems

<b>No</b>	<b>Amps</b>	<b>Function/component</b>
B28	15A	Rear right wing door window wiper motor (models with second battery)
B29	10A	ABS control unit
B30	7.5A	Terminal 50 voltage supply relay Terminal 50 voltage supply relay 2 Clutch position sender Starter relay 1 Starter relay 2
B31	10A	TCS and ESP button Rotary light switch Reversing light switch
B32	7.5A	Reverse warning beeper control unit
B33	10A	Tachograph Air quality sensor Pressure sender for refrigerant circuit 12-pin connector
B34	7.5A	Warning lamp for airbag deactivated on front passenger side Airbag control unit
B35	10A	Parking aid control unit
B36	-	not assigned
B37	7.5A/10A	Relay for special installations, terminal 15
B38	30A	Terminal 50 voltage supply relay Terminal 50 voltage supply relay 2 Starter relay 1 Starter relay 2
B39	-	not assigned
B40	40A	Warm air blower control unit

<b>№</b>	<b>Amps</b>	<b>Function/component</b>
B41	50A	Heated windscreen relay 2 Heated windscreen
B42	30A	Special vehicle control unit
B43	30A	Special vehicle control unit
B44	30A	Trailer detector control unit
B45	30A	Trailer detector control unit
B46	30A	Trailer detector control unit
B47	30A	Trailer detector control unit
B48	30A	Control unit for reducing agent heater
B49	30A	Special vehicle control unit
B50	30A	Fuel pump relay Fuel delivery unit
B51	10A	12-pin connector
B52	10A	Engine control unit
B53	7.5A	Battery regulation control unit
B54	-	not assigned
B55	-	not assigned
B56	-	not assigned
B57	-	not assigned
B58	15A	Rear right wing door window wiper motor
B59	-	not assigned
D1	30A	Special vehicle control unit (models with second battery)

<b>No</b>	<b>Amps</b>	<b>Function/component</b>
D2	-	not assigned
D3	30A	Special vehicle control unit (models with second battery)
D4	-	not assigned
D5	20A	12 V socket (models with second battery) 12 V socket 2 (models with second battery) 12 V socket 3 (models with second battery) 12 V socket (models with second battery)
D6	20A	Battery charger, 230 or 110 Volt/12 Volt (models with second battery)
D7	20A	12 V socket 4 (models with second battery) 12 V socket 5 (models with second battery) 12 V socket 6 (models with second battery)
D8	15A	Two-way radio socket (models with second battery)
D9	15A	Rotating light relay (models with second battery)
D10	15A	Rotating light control unit (models with second battery)
D11	15A	Switch-over relay 1 for roof ventilator (models with second battery) Roof ventilator
D12	25A	Auxiliary air heater control unit
R1		not assigned
R2		Switch-over relay 2 for roof ventilator
R3/1		Fuel pump relay
R3/2		Relay for reducing agent metering system
R4/1		Starter relay 1
R4/2		Starter relay 2
R5		Terminal 15 voltage supply relay

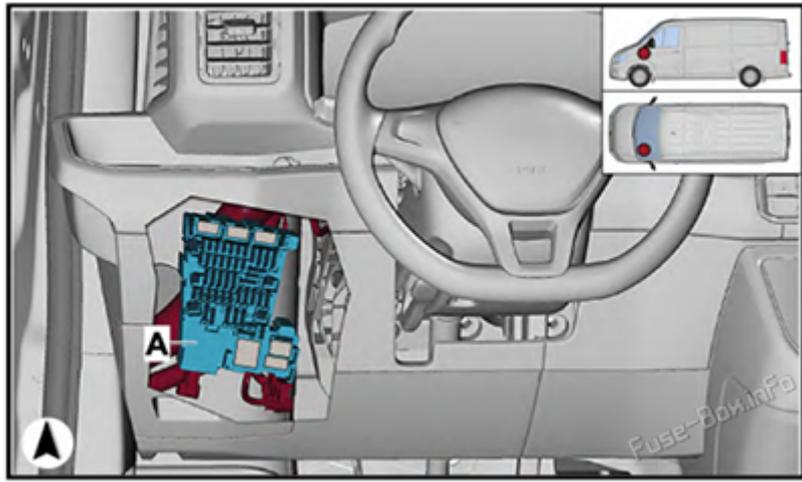
<b>No</b>	<b>Amps</b>	<b>Function/component</b>
R6		Reverse warning beeper control unit
R7		not assigned
R8		Interior light relay
R9		not assigned
R10		Circulation pump relay
R11		Switch-over relay 1 for roof ventilator
R12		Rotating light control unit
R13/1		Rotating light relay
R13/2		Relay for special installations, terminal 15
R14		Relay for tail lift
R15		not assigned
R16		not assigned
R17		not assigned

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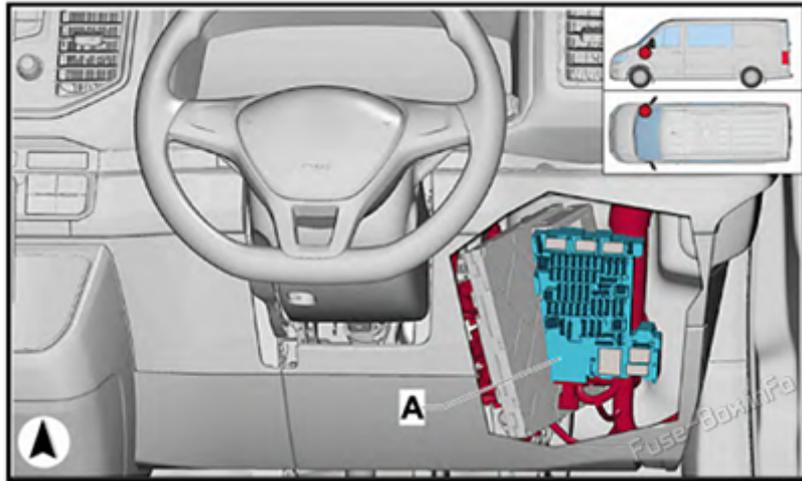
## Instrument panel fuse box (Fuse holder C)

### Fuse Box Location

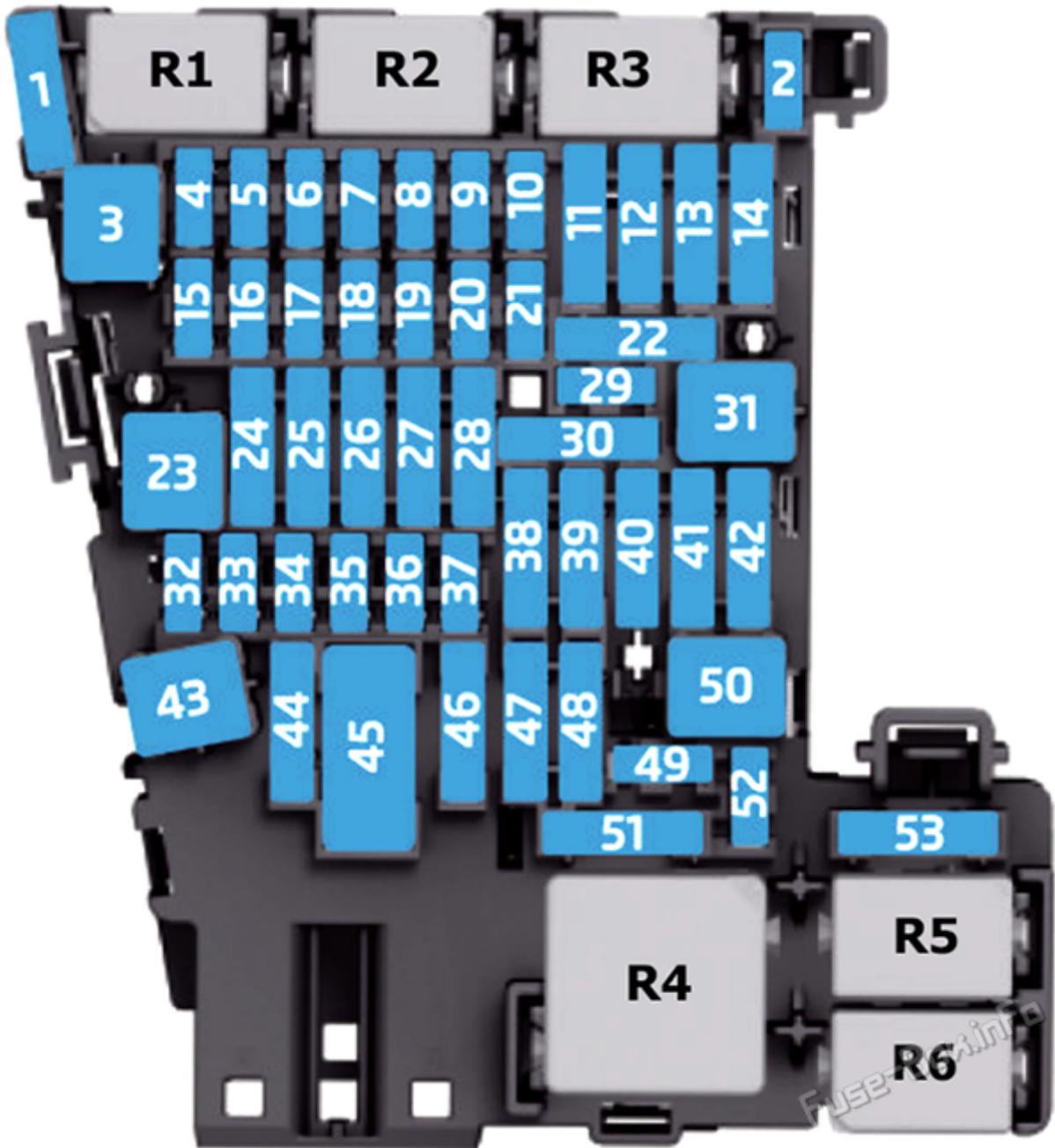
*Left-hand drive vehicle*



*Right-hand drive vehicle*



## Fuse Box Diagram



### Assignment of the fuses and relays in the instrument panel fuse box

No	Amps	Function/component
1	30A	Wiper motor relay 1 Wiper motor relay 2
2	10A	Steering column electronics control unit
3	50A	ABS control unit
4	10A	Differential lock control unit All-wheel drive control unit
5	10A	Data bus diagnostic interface

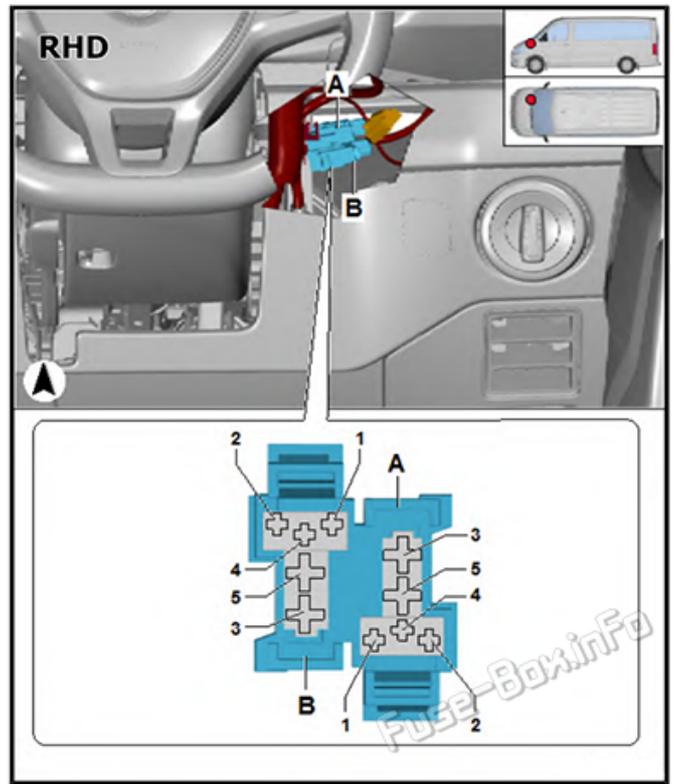
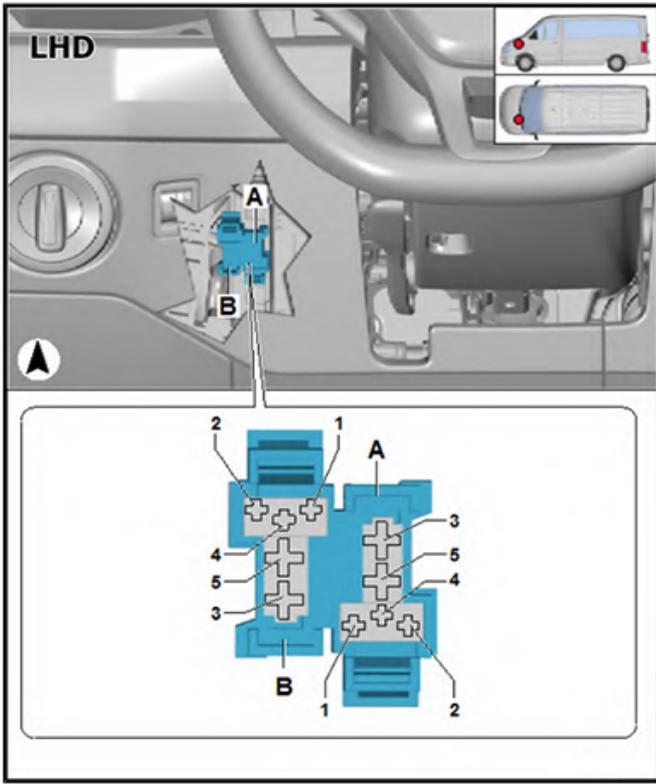
<b>No</b>	<b>Amps</b>	<b>Function/component</b>
6	10A	Interior monitoring sensor Interior monitoring sensor 3
7	10A	Heated rear window relay Air conditioning system control unit Remote control receiver for auxiliary heater
8	10A	Rotary light switch Air humidity, rain and light sensor Diagnostic connection
9	7.5A	Tachograph
10	10A	Multimedia system operating unit Display unit for front information display and operating unit control unit
11	15A	Relay for special installations, terminal 15 Electrical terminal strip for external use
12	30A	Control unit 1 for information electronics
13	15A	Automatic gearbox control unit
14	15A	Reverse warning beeper control unit
15	-	not assigned
16	7.5A	USB hub
17	10A	Emergency call module control unit and communication unit Dash panel insert
18	10A	Reversing camera Camera for trailer manoeuvring system 4-pin connector
19	7.5A	Terminal 15 voltage supply relay
20	7.5A	Storage compartment with interface for mobile telephone Transmission and reception stabilisation control unit

<b>No</b>	<b>Amps</b>	<b>Function/component</b>
21	10A	Fuel pump relay
22	20A	Heated rear window in left wing door
23	40A	Onboard supply control unit
24	7.5A	Alarm horn
25	30A	Driver door control unit Rear right door control unit
26	30A	Onboard supply control unit
27	30A/15A	ABS control unit
28	25A	Electrical terminal strip for external use
29	-	not assigned
30	20A	Heated rear window in right wing door
31	40A	Onboard supply control unit
32	10A	Brake light switch Clutch position sender
33	7.5A	Radiator fan control unit Radiator fan Radiator fan control unit 2 Radiator fan 2 Relay for reducing agent metering system Delivery unit for reducing agent metering system Reducing agent quality sensor
34	15A	Air mass meter Lambda probe 1 before catalytic converter Control unit for NOx sender Control unit for sensor electronics Control unit for NOx sender 2

<b>No</b>	<b>Amps</b>	<b>Function/component</b>
35	10A	Fuel metering valve
36	15A	Valve for oil pressure control Charge air cooling pump Pump for exhaust gas recirculation cooler Auxiliary pump for heating
37	7.5A	Air mass meter Automatic glow period control unit Heater element for crankcase breather
38	15A	Rotating light relay
39	30A	Front passenger door control unit Rear right door control unit
40	15A	Steering column electronics control unit
41	10A	Interior light relay
42	40A	Onboard supply control unit
43	30A	Onboard supply control unit
44	15A	Horn relay
45	20A	Front left lumbar support adjustment switch (left-hand drive) Front right lumbar support adjustment switch (right-hand drive)
46	30A	Wiper motor relay 1 Wiper motor relay 2 DC/AC converter with socket, 12 V - 230 V
47	30A	Engine control unit
48	10A	Oil level and oil temperature sender Charge pressure control solenoid valve Exhaust flap valve Intake manifold flap valve Exhaust gas recirculation cooling bypass valve

<b>No</b>	<b>Amps</b>	<b>Function/component</b>
49	10A	Relay for reducing agent metering system Reducing agent quality sensor Delivery unit for reducing agent metering system Radiator blind control motor Radiator blind control motor 2
50	40A	Fresh air blower control unit
51	-	not assigned
52	15A	Rotating light control unit
53	-	not assigned
R1		Horn relay
R2		not assigned
R3		not assigned
R4		Terminal 15 voltage supply relay 2
R5		not assigned
R6		Heated rear window relay

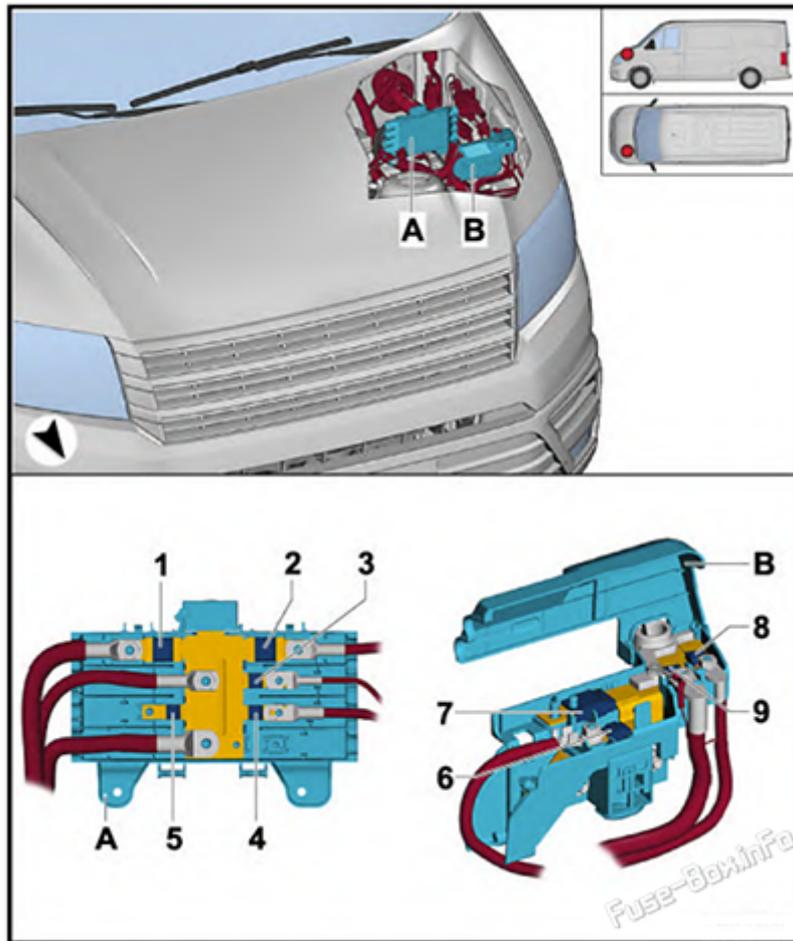
Relay carrier on left under dash panel



№	Relay
A	Wiper motor relay 1
B	Wiper motor relay 2

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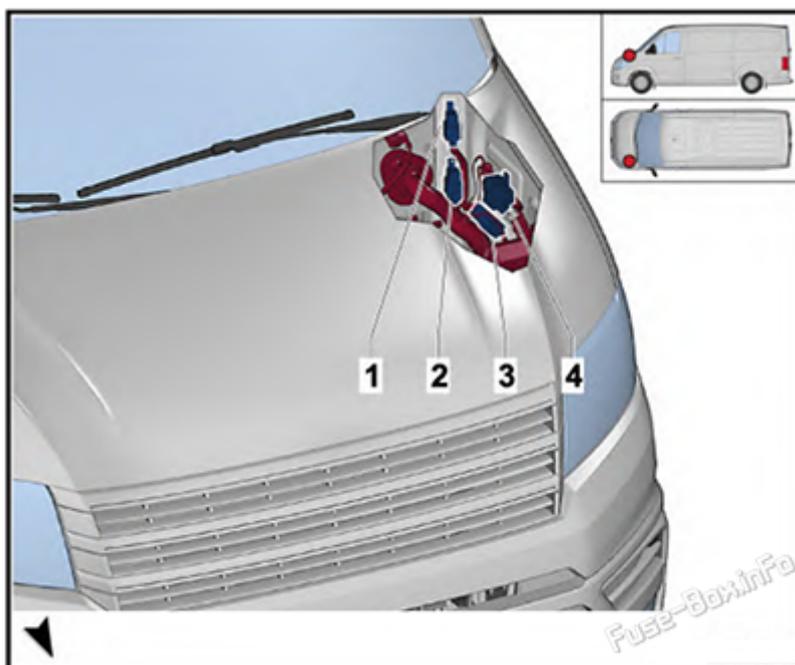
**Fuse holders F & H**



No	Amps	Function/component
1	250A/400A	Alternator with voltage regulator
2	300A	Second battery charging circuit relay (models with second battery) Second battery
3	60A	Automatic glow period control unit
4	70A/100A	Radiator fan control unit Radiator fan Radiator fan control unit 2 Radiator fan 2
5	125A	Power steering control unit
6	200A	not assigned
7	200A	Coupling point 1 for tail lift Coupling point 1 for 3-way tipper

No	Amps	Function/component
8	100A	Fuse holder D (models with second battery)
9	300A	not assigned

### Relays in left engine compartment



No	Relay
1	Heated windscreen relay
2	Heated windscreen relay 2
3	Automatic glow period control unit
4	Second battery charging circuit relay

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