



Fuse assignment supplement



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2 Symbols

In these Operating Instructions, you will find the following symbols:

 **DANGER** Danger due to not observing the warning notices

Warning notices draw your attention to hazards that may endanger your health or life, or the health or life of others.

► Observe the warning notices.

 **ENVIRONMENTAL NOTE** Environmental damage due to failure to observe environmental notes

Environmental notes include information on environmentally responsible behavior or environmentally responsible disposal.

► Observe environmental notes.

 **NOTE** Damage to property due to failure to observe notes on material damage

Notes on material damage inform you of risks which may lead to your vehicle being damaged.

► Observe notes on material damage.

 These symbols indicate useful instructions or further information that could be helpful to you.

► Instructions

(→ Further information on a topic
page)

Display Display in the multifunction display/
media display

Display in the taximeter

↪ Highest menu level to be selected in
the multimedia system

➤➤ Corresponding submenus to be selected
in the multimedia system

* Indicates a cause

Notes on fuses and relays

⚠ WARNING Risk of accident and injury due to overloaded lines

If you manipulate or bridge a faulty fuse or if you replace it with a fuse with a higher amperage, the electric line could be overloaded.

This could result in a fire.

- ▶ Always replace faulty fuses with specified new fuses containing the correct amperage.

! NOTE Damage or malfunctions caused by moisture

Moisture may cause damage to the electrical system or cause it to malfunction.

- ▶ When the fuse box is open, make sure that no moisture can enter the fuse box.
- ▶ When closing the fuse box, make sure that the seal of the lid is positioned correctly on the fuse box.

The electrical fuses in your vehicle switch off defective circuits. If a fuse blows, all the components on the circuit and their functions will cease to operate.

Replace faulty fuses with fuses of the same type that have the fuse rating recommended in the following overviews. Fuses of the same type can be recognized by the color and fuse rating. A qualified specialist workshop will be happy to advise you.

If a new fuse blows again, have the cause determined and rectified at a qualified specialist workshop.

The fuses and relays are split between the following fuse boxes in the vehicle:

- Fuse box in the engine compartment (PDC-E)
- Fuse box in the co-driver footwell (PDC-P)
- Fuse box in the co-driver footwell on the A-pillar (PDC-F)
- Fuse box in the rear compartment (PDC-R)
- Pre-fuse box next to the starter battery in the seat base of the right-hand front seat

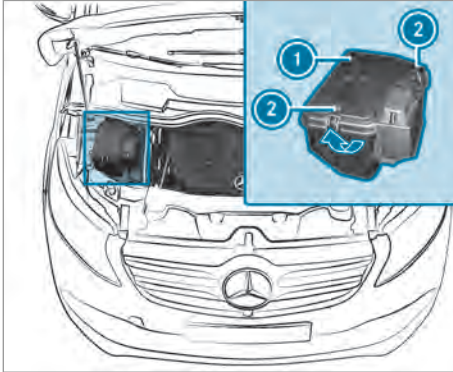
Always have the fuses in the pre-fuse box and the relays in the fuse boxes replaced at a qualified specialist workshop.

Preparing to replace a fuse

- ▶ Apply the parking brake.
- ▶ **Vehicles with automatic transmission:** shift the transmission to position **P**.
- ▶ **Vehicles with manual transmission:** shift to neutral.
- ▶ Switch off all electrical consumers.
- ▶ Remove the key from the ignition lock.

Opening and closing the engine compartment fuse box

Opening the fuse box

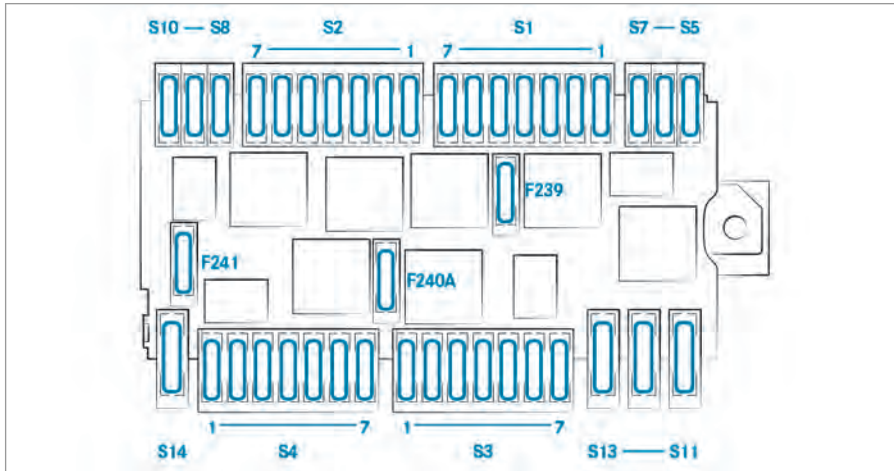


- ▶ Open the hood. Observe the important safety notes relating to opening the hood in the vehicle Operating Instructions.
- ▶ Remove any existing moisture from the fuse box using a dry cloth.
- ▶ Open retaining clamps ② and unhook them from the fuse box.
- ▶ Fold out cover ① upwards in the direction of the arrow and remove it.

Closing the fuse box

- ▶ Check that the seal sits correctly in cover ①.
- ▶ Hook cover ① in at the back and fold it down.
- ▶ Hook in retaining clamps ② on the fuse box and close.
- ▶ Close the hood (see the vehicle's Operating Instructions).

Fuses in the engine compartment



Fuse assignment in the engine compartment (view rotated 90°)

Fuse holder S1

No.	Consumer	Fuses	Fuse rating
1	ESP valves	F204	25 A
2	Horn	F205	15 A
3	Engine control unit (OM654/OM622 model facelift)	F206	5 A
4	Shift module (NAG2)	F207	25 A
5	Unassigned	F208	-
6	Supply relay N (terminal 87 engine) (OM622 model facelift)	F209	5 A
7	Unassigned	F210	-

Fuse holder S2

No.	Consumer	Fuses	Fuse rating
1	Unassigned	F211	-
2	Vehicles with a gasoline engine: terminal 87 (4) engine control unit (M274) Vehicles with diesel engine: terminal 87 (4) NOx sensors/soot particulate sensor	F212	15 A
3	Terminal 87 (2)	F213	15 A
4	Terminal 87 (3) (OM622/OM651/M274)	F214	10 A

6 Fuses and relays in the engine compartment

No.	Consumer	Fuses	Fuse rating
	Terminal 87 (3) (OM622 model facelift/OM654)		15 A
5	Terminal 87 (1) (OM651)	F215	20 A
	Terminal 87 (1) (OM622 model facelift/OM654)		25 A
6	Engine control unit terminal 30G (OM622/OM651/M274)	F216	5 A
7	Unassigned	F217	-

Fuse holder S3

No.	Consumer	Fuses	Fuse rating
1	Headlamp range adjustment, left (halogen headlamps)	F229	5 A
2	ESP®	F230	5 A
3	Headlamp range adjustment, right (halogen headlamps)	F231	5 A
4	Unassigned	F232	-
5	Fuel filter heating (OM622 model facelift)	F233	25 A
6	Terminal 87 C1 (drive control CPC)	F234	10 A
7	Terminal 87 C2 (drive control CPC)	F235	10 A

Fuse holder S4

No.	Consumer	Fuses	Fuse rating
1	Engine control unit (OM654/OM622 model facelift)	F222	5 A
2	CPC drive control	F223	7.5 A
3	COLLISION PREVENTION ASSIST/DISTRONIC PLUS	F224	7.5 A
4	Unassigned	F225	-
5	Radiator fan/radiator shutters (OM622/OM651/M274 with NAG2)	F226	5 A
6	Automatic transmission control unit (NAG2)	F227	10 A
7	Additional oil pump (central oil pump) (NAG2)	F228	15 A

Fuse holders S5 to S14

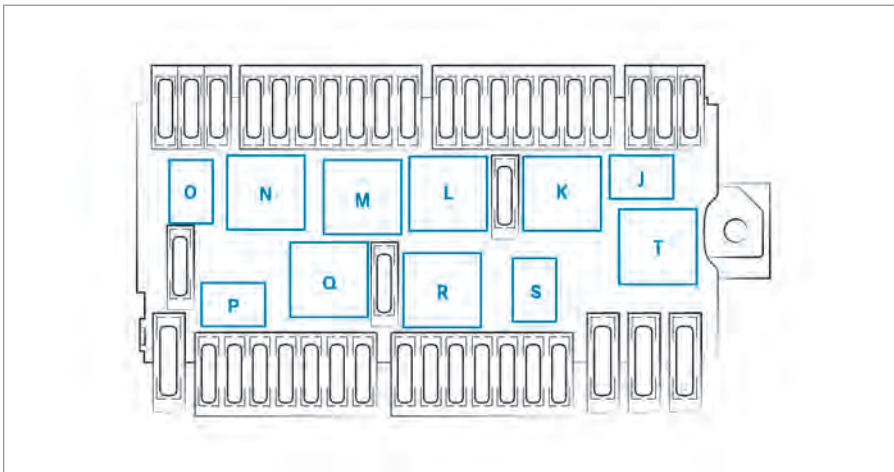
No.	Consumer	Fuses	Fuse rating
S5	ATA (anti-theft alarm system) horn	F201	5 A
S6	Auxiliary heating control unit	F202	20 A
S7	HLI LED headlamp control unit (headlamp functions)	F203	20 A

No.	Consumer	Fuses	Fuse rating
S8	ESP® control unit	F218	5 A
S9	Unassigned	F219	-
S10	Unassigned	F220	-
S11	Unassigned	F238	-
S12	ESP pump	F237	40 A
S13	CBC 2 signal acquisition and actuation module	F236	40 A
S14	LED headlamp local control unit (LED high beam)	F221	40 A

Additional fuses on the relay carrier

No.	Consumer	Fuses	Fuse rating
-	Windshield wipers	F239	30 A
-	Starter terminal 50	F240A	25 A
-	Unassigned	F241	-

Relays in the engine compartment



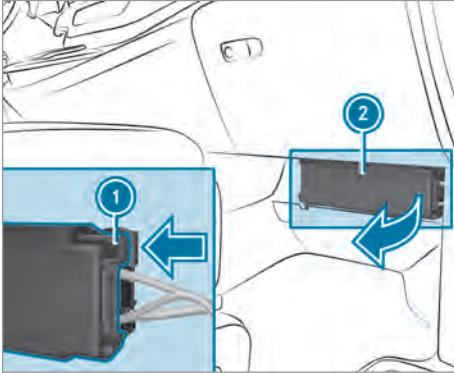
Relay assignment in the engine compartment (view rotated 90°)

8 Fuses and relays in the engine compartment

No.	Function	Relays
-	Horn	J
-	Windshield wipers, continuous wipe	K
-	Windshield wipers on/off	L
-	Starter motor	M
-	Terminal 87, engine	N
-	Unassigned	O
-	Unassigned	P
-	Unassigned	Q
-	Terminal 15	R
-	Terminal 87C	S
-	Unassigned	T

Opening and closing the fuse box in the co-driver footwell

Opening the fuse box



- ▶ Open the co-driver door.
- ▶ Press retaining clamp ① and fold out cover ② in the direction of the arrow until it engages.
- ▶ Pull cover ② forwards to remove it from the fuse box.

Closing the fuse box

- ▶ Insert and engage cover ② in the bracket on the left of the fuse box.
- ▶ Fold down cover ② until retaining clamp ① locks.
- ▶ Close the co-driver door.

Fuses in the co-driver footwell

No.	Consumer	Fuses	Fuse rating
6	SCRCM exhaust gas aftertreatment heater (OM654/OM622 model facelift)	F41	30 A
7	Co-driver seat control unit	F42	7.5 A

Fuse holder S3

No.	Consumer	Fuses	Fuse rating
1	Steering column tube module	F49	5 A
2	Radio display head unit and fan	F50	7.5 A
3	Unassigned	F51	-
4	Media Interface	F52	5 A
5	Toll collection system, Japan (DSRC)	F53	7.5 A
6	Climate control blower	F54	30 A
7	Ignition lock/electronic steering lock	F55	20 A

Fuse holder S4

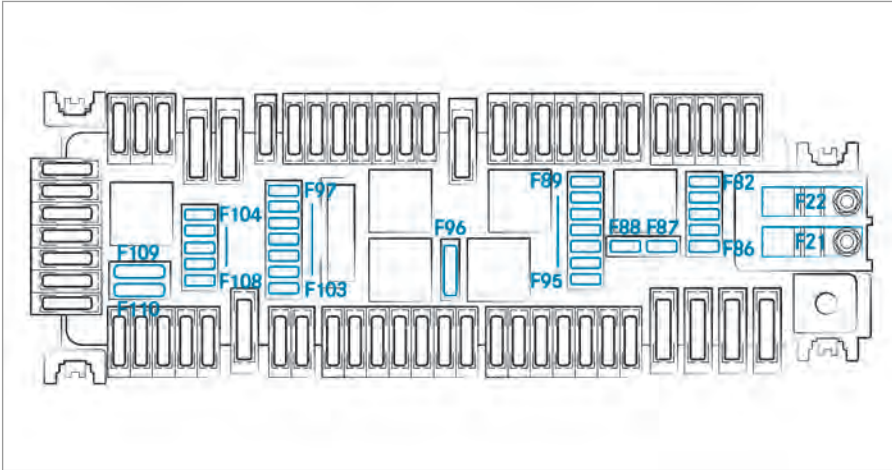
No.	Consumer	Fuses	Fuse rating
1	Control unit, front door, left	F64	30 A
2	Control unit, front door, right	F65	30 A
3	Rear-end door window wiper, right	F66	20 A
4	Electric parking brake	F67	7.5 A
5	Control unit, airbag	F68	7.5 A
6	Automatic co-driver airbag shutoff	F69	5 A
7	Unassigned	F70	-

Fuse holder S5

No.	Consumer	Fuses	Fuse rating
1	Unassigned	F71	-
2	12 V sockets, cargo compartment	F72	15 A
3	Electric parking brake	F73	30 A
4	Electric sliding door, right/EASY-PACK tailgate	F74	30 A
5	Trailer module 1	F75	15 A
6	Trailer module 2	F76	25 A
7	Trailer module 3	F77	25 A

Fuse holders S6 to S29

No.	Consumer	Fuses	Fuse rating
S6	Digital rearview mirror	F23	5 A
S7	Trailer control unit	F24	7.5 A
S8	Support battery, charging connection	F25	10 A
S9	Trailer control unit	F26	15 A
S10	Fuse box in the co-driver footwell on the A-pillar (PDC-F)	F27	5 A
S11	Rear window heater	F35	30 A
S12	Rear Seat Entertainment System	F43	10 A
S13	Emergency Tensioning Device, front seat, left (PRE-SAFE®)	F44	40 A
S14	Emergency Tensioning Device, front seat, right (PRE-SAFE®)	F45	40 A
S15	SCRCM exhaust gas aftertreatment (gen.2) (OM651)	F46	10 A
S16	SCRCM exhaust gas aftertreatment (gen.2) (OM651)	F47	20 A
S17	SCRCM exhaust gas aftertreatment (gen.2) (OM651)	F48	15 A
S18	CPC drive control	F56	10 A
	SCRCM exhaust gas aftertreatment (gen.2) (OM651)		5 A
S19	Unassigned	F57	-
S20	Trailer brake booster (only for USA)	F58	25 A
S21	Co-driver seat control unit	F59	30 A
S22	Driver seat control unit	F60	30 A
S23	Amplifier, sound system	F61	40 A
S24	Roof turn signals	F62	10 A
S25	Fuel supply system control unit	F63	20 A
S26	Panoramic roof	F78	30 A
S27	CBC 1 signal acquisition and actuation module	F79	40 A
S28	CBC 3 signal acquisition and actuation module	F80	40 A
S29	Blower, rear-compartment climate control	F81	30 A

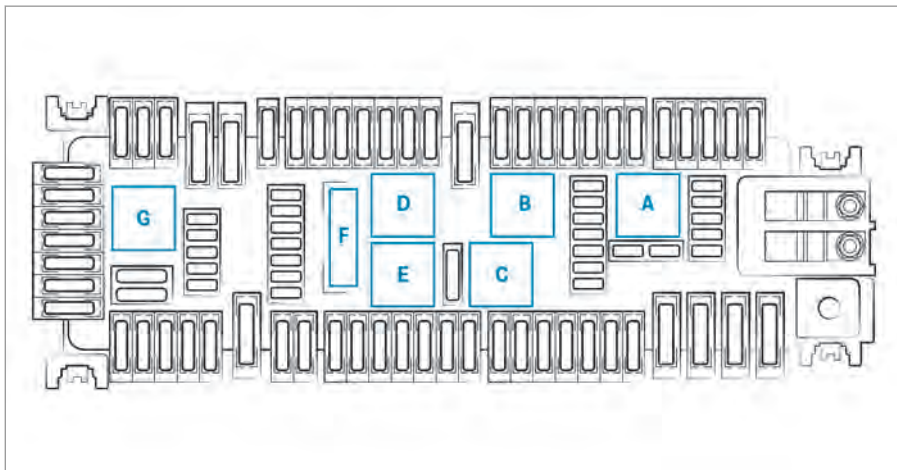
Additional fuses on the relay carrier

No.	Consumer	Fuses	Fuse rating
-	PTC heater booster	F21	200 A
-	Support battery	F22	200 A
-	Star 2.5 central gateway	F82	5 A
-	Electronic ignition lock	F83	7.5 A
-	Center console control panel/control panel on the left next to the steering wheel	F84	7.5 A
-	Radio remote control receiver/Hermes module	F85	5 A
-	RF antenna	F86	5 A
-	Diagnostics connection	F87	10 A
-	Instrument cluster	F88	10 A
-	Light switch, diagnostics connection	F89	5 A
-	Blind Spot Assist	F90	5 A
-	Exhaust gas aftertreatment, SCR control unit	F91	5 A
-	Fuel supply system control unit	F92	5 A
-	Pre-installation for radio	F93	7.5 A
-	Toll collection system, Japan (DSRC)		
-	Pre-installation for mobile KD devices	F94	15 A
-	Glove box lamp	F95	5 A

14 Fuses and relays in the co-driver footwell

No.	Consumer	Fuses	Fuse rating
-	Rear window wiper, tailgate/rear window wiper, rear-end door, left	F96	15 A
-	PARKTRONIC/Active Parking Assist	F97	5 A
-	CBC control line signal acquisition and actuation module	F98	5 A
-	Tire pressure monitoring system	F99	5 A
-	Unassigned	F100	-
-	Overhead control panel	F101	10 A
-	Unassigned	F102	-
-	Basic wiring taxi, taximeter	F103	5 A
-	Pre-installation for left-hand rear screen	F104	5 A
-	Pre-installation for right-hand rear screen	F105	5 A
-	Camera for driver assistance systems	F106	5 A
-	Unassigned	F107	_*
-	Dirt flap for rear view camera	F108	7.5 A
-	Air suspension control unit	F109	15 A
-	CBC 5 signal acquisition and actuation module	F110	30 A

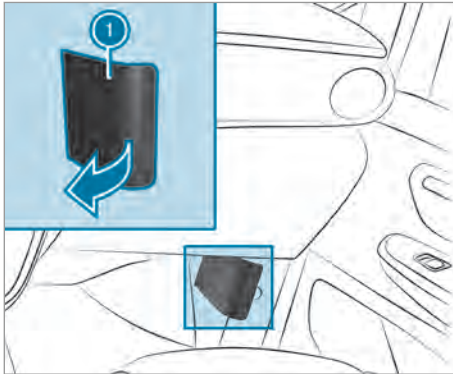
Relays in the co-driver footwell



No.	Function	Relays
-	Terminal 15 relay	A
-	Rear window wiper	B
-	Terminal 15 R2	C
-	Rear window heater	D
-	Terminal 15 R1	E
-	Terminal 30 G reset	F
-	SCRCM exhaust gas aftertreatment	G

Opening and closing the fuse box on the A-pillar

Opening the fuse box

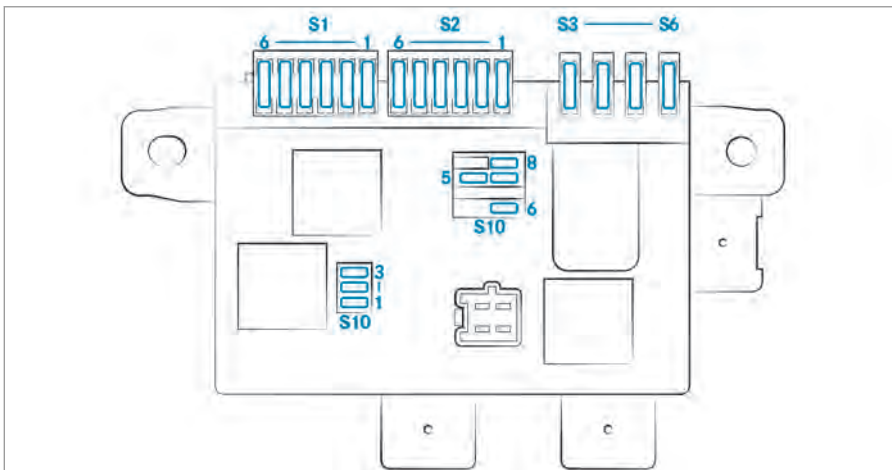


- ▶ Open the co-driver door.
- ▶ Open cover ❶ in the direction of the arrow and remove it.

Closing the fuse box

- ▶ Insert cover ❶ into the side trim panel on the left and push it shut.
- ▶ Close the co-driver door.

Fuses in the A-pillar



Fuse holder S1

No.	Consumer	Fuses	Fuse rating
1	Rear seat heating/rear seat ventilation, row 1 left	F305	10 A
2	Rear seat heating/rear seat ventilation, row 1 right	F308	10 A
3	Rear seat heating/rear seat ventilation, row 2 left	F310	10 A
4	Rear seat heating/rear seat ventilation, row 2 right	F309	10 A
5	Digital timer for the stationary air heater	F316	5 A
6	Control unit for rear seat heating/rear seat ventilation	F317	5 A

Fuse holder S2

No.	Consumer	Fuses	Fuse rating
1	Parameterizable special module (PSM)	F303	25 A
2	Parameterizable special module (PSM)	F304	25 A
3	Center console refrigerator box	F306	10 A
4	Voltage converter	F312	30 A
5	Electric sliding door, left	F311	30 A
6	Onboard Logic Unit	F318	5 A

Fuse holders S3 to S6

No.	Consumer	Fuses	Fuse rating
S3	Unassigned	F300	-
S4	Terminal 30 body manufacturer	F321	25 A
	Center console cup holder		10 A
S5	Unassigned	F302	-
S6	Air heater (with auxiliary battery)	F323	5 A

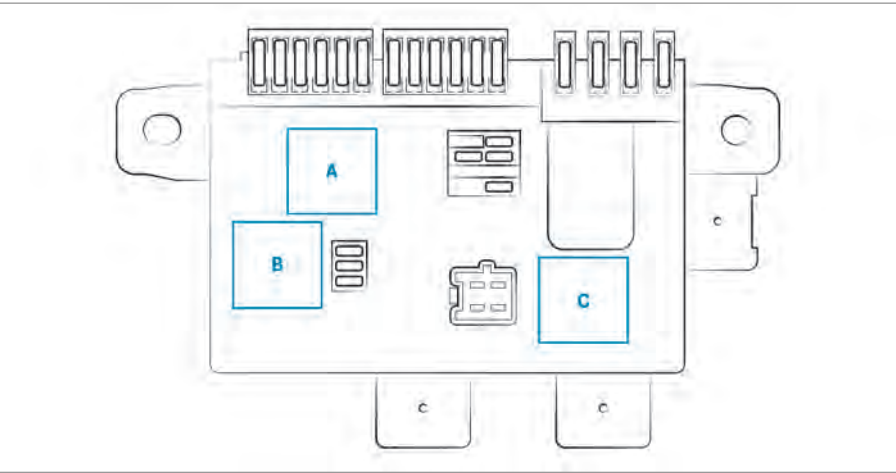
Fuse holder S8

No.	Consumer	Fuses	Fuse rating
1	Tachograph	F301	5 A
2	Unassigned	F307	-
3	Tachograph	F315	7.5 A

Fuse holder S9

No.	Consumer	Fuses	Fuse rating
1	Terminal 15 center console	F314	5 A
2	Terminal 61 body manufacturer	F319	15 A
3	Terminal 15 body manufacturer	F320	15 A
4	Unassigned	F322	-

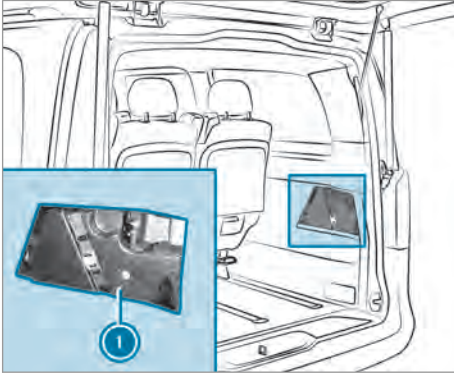
Relays in the A-pillar



No.	Function	Relays
-	Terminal 15 relay	A
-	Unassigned	B
-	Unassigned	C

Opening and closing the rear compartment fuse box

Opening the fuse box



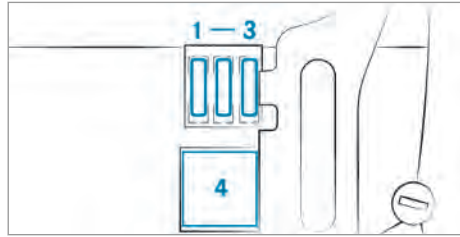
- ▶ Open the tailgate.
- ▶ Remove the vehicle tool kit from the storage compartment in the rear compartment (see the vehicle's Operating Instructions).

- ▶ Remove tool holder ❶ from the side trim.

Closing the fuse box

- ▶ Insert and engage tool holder ❶ in the storage compartment in the rear compartment.
- ▶ Close the tailgate.

Fuses and relays in the rear compartment



Fuse and relay holders behind the tool holder

Fuses

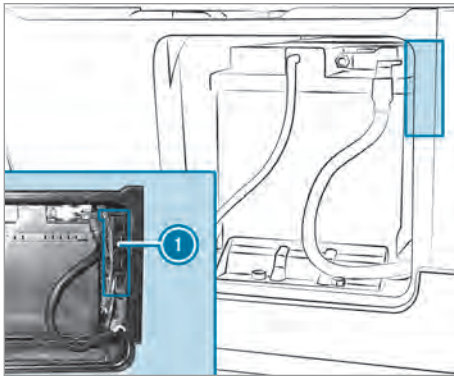
No.	Consumer	Fuse	Fuse rating
1	12 V socket, second row of seats, left	F110	15 A
2	12 V socket, second row of seats, right	F110/1	15 A
3	12 V socket, first row of seats, left	F110/2	15 A

Relays

No.	Function	Relays
4	12 V sockets in the rear compartment	K127

20 Fuses in the seat base of the right-hand front seat

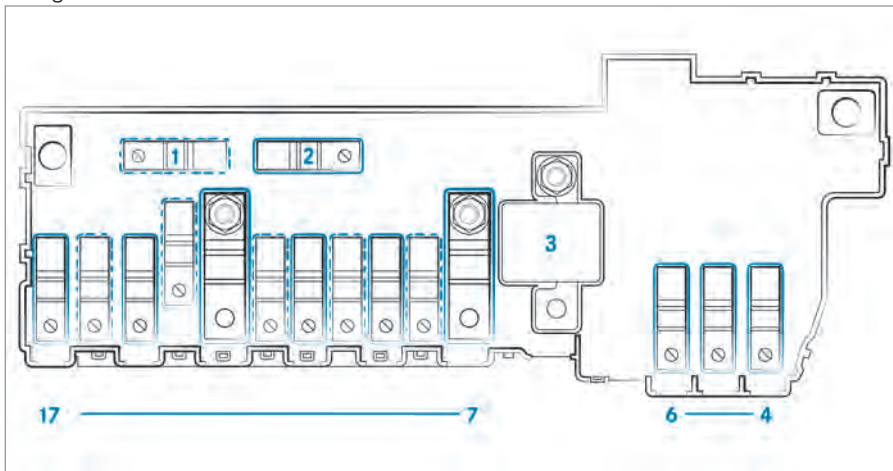
Pre-fuse box in the seat base of the right-hand front seat



Pre-fuse box ❶ is located next to the starter battery in the seat base of the right-hand front seat.

Always have the fuses in pre-fuse box ❶ replaced at a qualified specialist workshop.

Open battery compartment in the seat base of the right-hand front seat

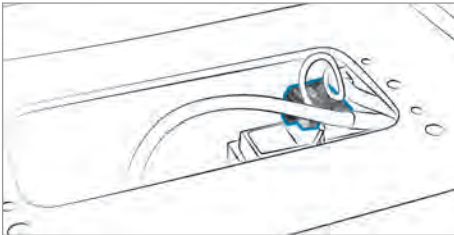


Fuses

No.	Consumer	Fuse	Fuse rating
1	Unassigned	A16	-
2	Unassigned	A15	-
3	Starter motor	A1	Pyrofuse
4	Fuse box in the co-driver footwell on the A-pillar (PDC-F)	A8	150 A
5	Auxiliary battery	A12	150 A

No.	Consumer	Fuse	Fuse rating
6	Control unit, pre-glow system	A2	100 A
7	Alternator	E2	350 A
8	Fan	A10	100 A
9	Air suspension compressor	A9	50 A
10	Fuse box in the engine compartment (PDC-E)	A7	150 A
11	Onboard Logic Unit	A14	40 A
12	Automatic transmission (NAG3)	A3	50 A
13	Fuse box in the co-driver footwell (PDC-P)	A6	250 A
14	CBC signal acquisition and actuation module	A13	40 A
15	ESP® 9.3	A5	60 A
16	Electric steering	A11	100 A
17	Sockets in the rear compartment	A4	50 A

Fuses at the back of the right seat base



The fuse for the emergency P battery is on the side of the battery carrier.

Example: starter battery

Fuses

No.	Consumer	Fuse	Fuse rating
-	Support battery supply/emergency P battery supply, automatic transmission	F109	5 A

Fuse box in the right seat base

9 way fuse box F55/2

No.	Consumer	Fuse	Fuse rating
-	Onboard Logic Unit, sensor	10	10 A
-	Onboard Logic Unit; computing unit	11	10 A
-	Onboard Logic Unit, connecting unit	12	5 A

22 Fuses in the seat base of the right-hand front seat

No.	Consumer	Fuse	Fuse rating
-	Unassigned	13	-
-	Unassigned	14	-
-	Unassigned	15	-
-	Unassigned	16	-
-	WVC starter battery charge (Marco Polo)	17	25 A
-	Glass sliding sunroof (Marco Polo ACTIVITY/HORIZON)	18	25 A

F**Fuse box in the co-driver footwell**

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Fuse box in the co-driver footwell on the A-pillar

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Fuse box in the engine compartment

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Fuse box in the rear compartment

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Fuse box in the right seat base 21**Fuses in the seat base of the right-hand front seat**

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