

5.10 Checking electrical fuses

WARNING!

Electrical current can cause accidents

Ensure the electrical system is de-energised before starting work. Before starting maintenance on the electrical system:

- ▶ Park the truck securely (see page 131).
 - ▶ Press the emergency disconnect switch.
 - ▶ Equipped with lithium-ion battery (○):
disconnect the truck-side control line from the connection on the battery trough or the interface converter (○) on the battery.
Open the battery connector lock: loosen the bolted bar.
 - ▶ Disconnect the battery.
 - ▶ Remove any rings or metal bracelets etc. before working on electrical components.
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CAUTION!

The use of incorrect fuses can cause fire and damage components

The use of incorrect fuses can damage the electrical system and result in fire. The safety and functionality of the truck cannot be ensured.

- ▶ Use only fuses with the prescribed rated current, see page 284.
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Checking electrical fuses

Requirements

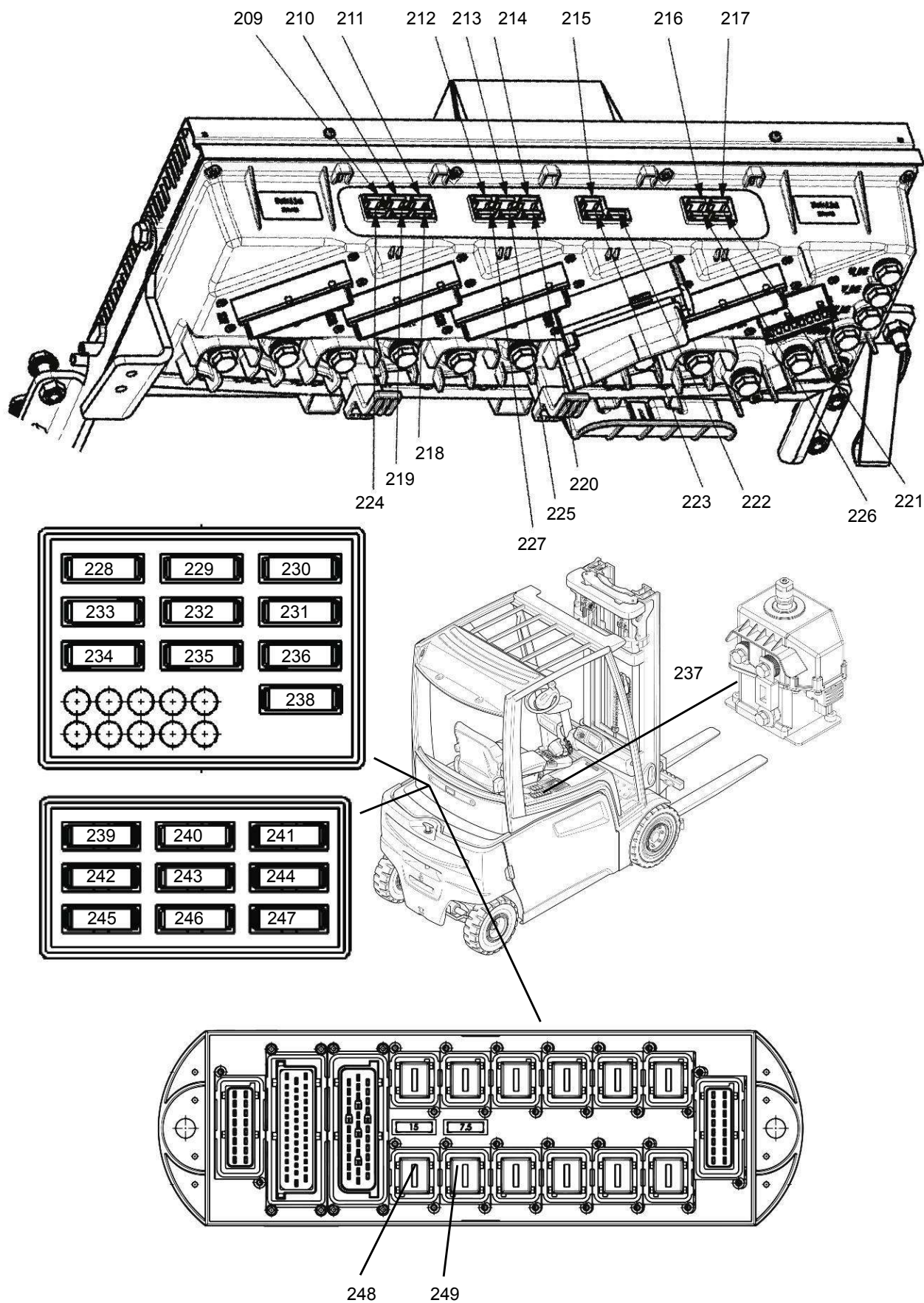
- Prepare the truck for maintenance and repair work (see page 268).

Procedure

- Remove the floor plate by undoing the floor plate mounting screws.
- Before opening, clean the electrical-system cap and the area around the cap.
- Unscrew the electrical-system cap.
- Check condition and rating of the fuses in accordance with the table.
- Replace any damaged fuses in accordance with the table.
- Close the electrical system cap.
- Fit the floor plate.

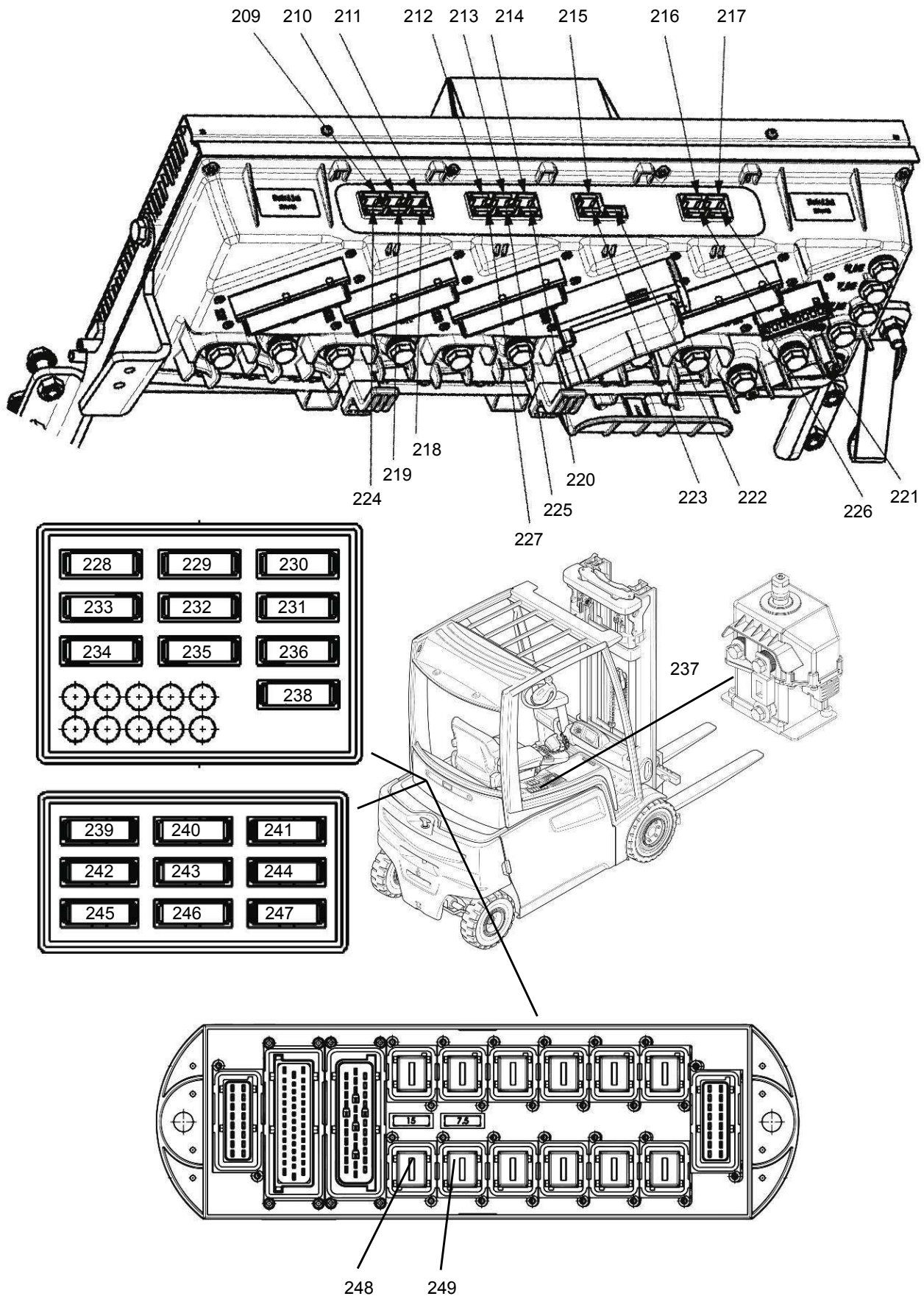
The electrical fuses are now checked.

5.10.1 Fuse ratings



Electrical system fuses

Item	Description	Electric circuit	Rating / type
209	5F11.2	Rear LH work lights fuse	FK1 MINI 32V / 4A / UL
210	5F11.3	Rear RH work lights fuse	FK1 MINI 32V / 4A / UL
211	F4	Main-contactor fuse	FK1 MINI 32V / 3A / UL
212	4F8	Display control unit fuse (MFA)	FK1 MINI 32V / 3A / UL
213	4F4	Beacon fuse	FK1 MINI 32V / 4A / UL
214	4F10	Fan fuse Lift height sensors fuse	FK1 MINI 32V / 3A / UL
215	F36	Rear windscreen heater fuse Release valve fuse	FK1 MINI 58V / 2A / UL
216	7F11	DC/DC converter	FK1 MINI 58V / 15A / UL
217	7F4	DC/DC converter	FK1 MINI 58V / 10A / UL
218	F29	24V standby	FK1 MINI 32V / 3A / UL
219	5F11	Front LH work lights fuse	FK1 MINI 32V / 4A / UL
220	9F23	Toggle valve fuse	FK1 MINI 32V / 4A / UL
221	7F3	DC/DC converter	FK1 MINI 58V / 10A / UL
222	F35	48V fuse (CUST 1)	FK1 MINI 58V / 15A / UL
223	F35.1	48V fuse (CUST 2)	FK1 MINI 58V / 15A / UL
224	5F11.1	Front RH work lights fuse	FK1 MINI 32V / 4A / UL
225	F31	Sensor system - 24 V	FK1 MINI 32V / 3A / UL
226	5F2	DC/DC converter	FK1 MINI 58V / 15A / UL
227	4F1	Horn control fuse Steering wheel magnetic brake fuse	FK1 MINI 32V / 4A / UL



Fuses for optional equipment

Item	Description	Electric circuit	Rating / type
228	9F17.9	Option fuse 24V	4A
229	9F17.6	Option fuse 24V	4A
230	9F17.3	Option fuse 24V	3A
233	9F17.8	Option fuse 24V	4A
232	9F17.5	Option fuse 24V	4A
231	9F17.2	Option fuse 24V	5A
234	9F17.7	Option fuse 24V	4A
235	9F17.4	Option fuse 24V	4A
236	9F17.1	Option fuse 24V	7.5A
238	9F17	Option fuse 24V	7.5A
237	F8	Main fuse (emergency disconnect)	425A
239	4F6.1	Control fuse, LH brake light	3A
240	4F6.2	Control fuse, RH brake light	3A
241	5F5	Lighting control fuse	3A
242	5F5.3	Control fuse, RH tail lights	3A
243	4F5.1	Left indicator control fuse	3A
244	5F4.1	RH lighting control fuse	3A
245	5F5.1	LH lighting control fuse	3A
246	4F5.2	Right indicator control fuse	3A
247	5F4	Control fuse, LH tail lights	3A
248	F19	Output fuse DVC 150	15A
249	F3.1	Output fuse DVC 150	7.5A