

## PRODUCT INFO

# 9. COOLAIR RTX 1000/RTX 2000 PARKING COOLERS FOR TRUCKS

CoolAir compressor parking coolers have been around for over ten years to improve working conditions, safety and cost efficiency in the European utility vehicle industry. The CoolAir RTX series comes with an entirely new technology to continue a unique success story. Powerful and efficient like no other, it offers unique benefits for drivers, installers and fleet operators.

**VERY QUIET RUNNING**

**4 OPERATING MODES  
(AUTO, ECO, MANUAL, BOOST)**

**HIGH EFFICIENT,  
LOW POWER CONSUMPTION**



Mobile living made easy.

**DOMETIC**



# COOLAIR RTX – STAY COOL FOR LONGER

More efficiency, more power – this, in essence, is what the third generation of our CoolAir parking coolers is all about. It comes in two capacity versions to cater for different demands. CoolAir RTX 1000 provides more cooling performance and a longer running time while consuming less energy than

its predecessor model. CoolAir RTX 2000 generates more than twice the cooling power at the same running time. All of this is possible thanks to the use of a variable speed inverter compressor, which makes for excellent



## 9.1 UNIT IDENTIFICATION

Model designation

PNC number identifies the version

SKU = item number

Series number

Input voltage

Electrical circuit protection

Type and quantity of refrigerant

Energy consumption

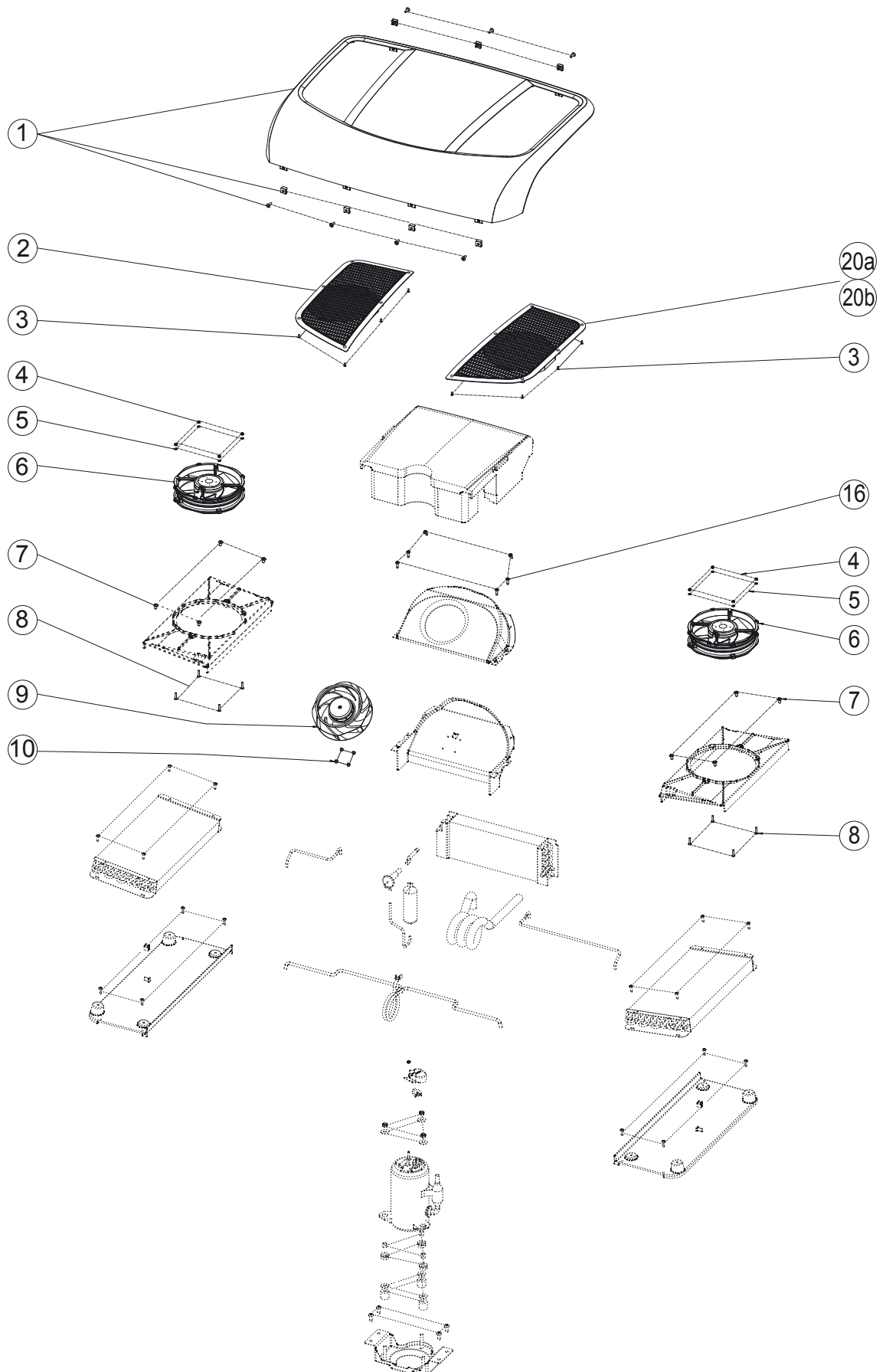
System pressures

<b>Dometic</b>	
Model RTX1000-24V 0°	PNC 93600XXXX
SKU 9105306210	Serial 54520001
<b>Dometic CoolAir RTX1000</b>	
Input Voltage: 24V DC	Power Consumption: max. 570W
Fuse: 40A	Max Pressure: LP 11bar/HP 25bar
Refrigerant: R,134a/0.350KG	
CE	E1
10R-036553	
Dometic WAEKO International GmbH, Hollefeldstrasse 63, D-48282 Emsdetten	
Manufactured by Mobicoof. Made in P.R. China. www.dometic.com	

## 9.2 LIST OF SPARE PARTS

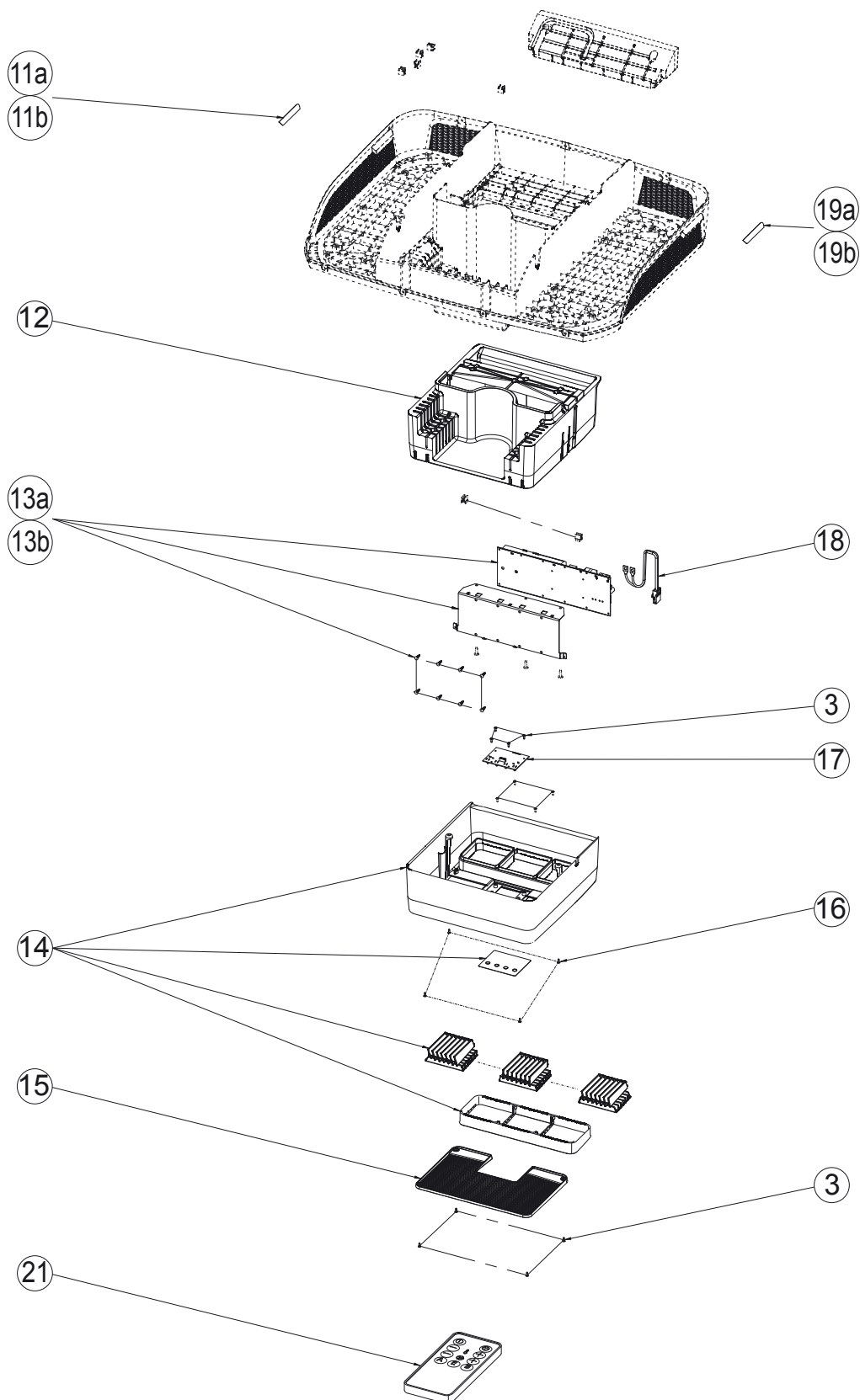
1a	Top cover kit RTX 1000	445 001 2963	1	0
1b	Top cover kit RTX 2000	445 001 2965	0	1
2	Ventilation grill right open	445 001 1761	1	1
3	Ejot Delta screw for plastic	445 000 0892	4	8
4	Nut M 4 x 4	n. A.	4	8
5	Washer M4.3-OD 9.0-0.8 mm	n. A.	4	8
6	Condenser fan	445 001 2844	1	2
7	Washer ø 6,3 x 13	445 000 0986	4	8
8	Bolt M 4 x 18	445 001 2604	4	8
9	Evaporator fan	445 001 2840	1	1
10	Bolt M4x8	445 001 2602	4	4
11a	„RTX 1000“ sticker, right	445 001 2248	1	0
11b	„RTX 2000“ sticker, right	445 001 2250	0	1
12	Lower air duct	445 001 1498	1	1
13a	PCB set for RTX 1000	445 001 5204	1	0
13b	PCB set for RTX 2000	445 001 5205	0	1
14	Air outlet unit with display film for RTX	445 001 3492	1	1
15	Air inlet grill	445 001 1792	1	1
16	Ejot Delta PT screw for plastic PT 50x18	445 000 0893	22	30
17	Display PCB for RTX 1000 Display PCB for RTX 2000	No longer available. Only in Repair Set 4450015204 Only in Repair Set 4450015205	1	1
18	Internal battery cable RTX 1000/2000	445 001 2230	1	1
19a	„RTX 1000“ sticker, left	445 001 2247	1	0
19b	„RTX 2000“ sticker, left	445 001 2249	0	1
20a	Ventilation grill for top cover, left, closed	445 001 1759	1	0
20b	Ventilation grill for top cover, left, open	445 001 1760	0	1
21	Remote control, side 2	445 001 22385	1	1

## 9.3 EXPLODED VIEW



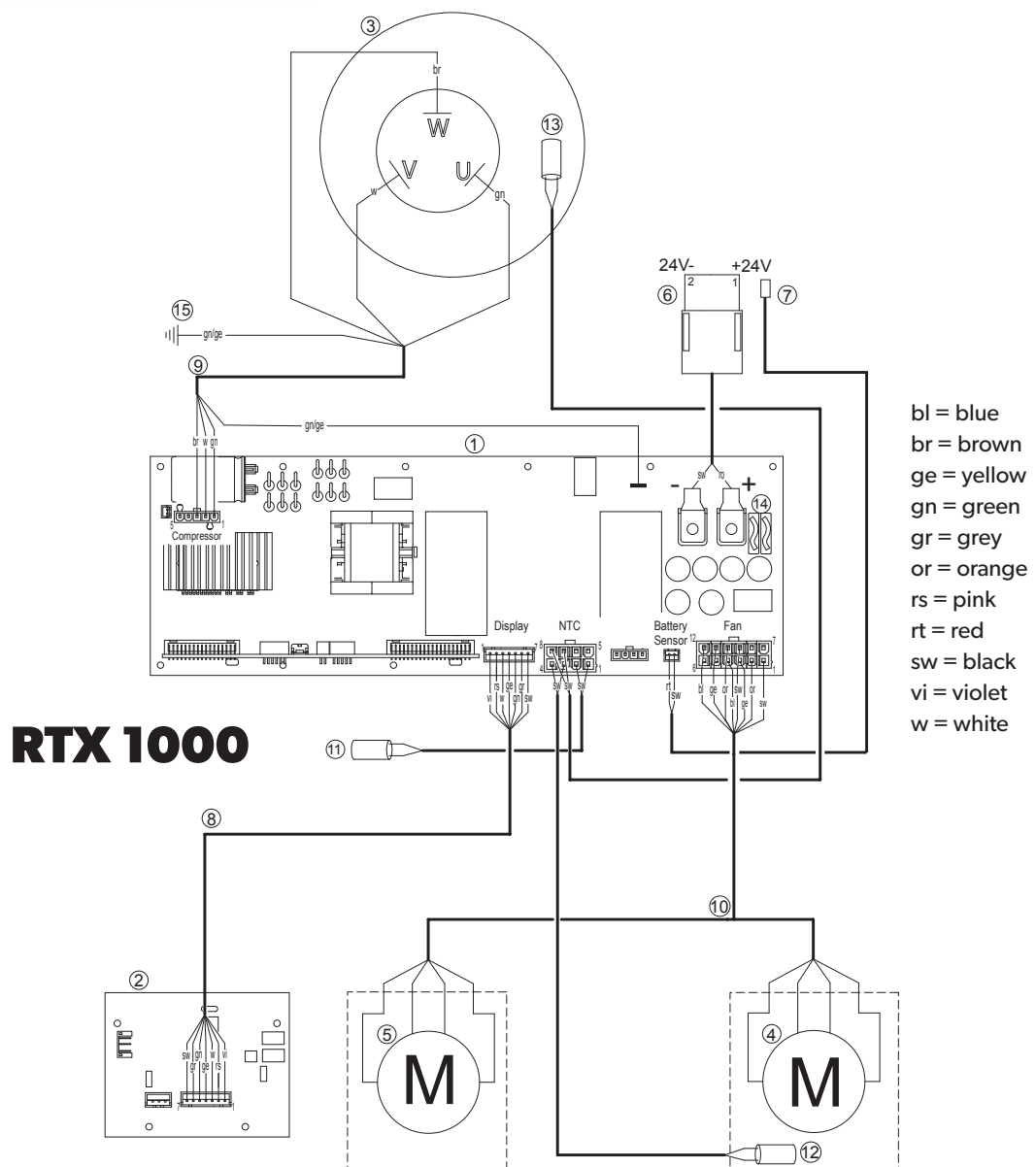


## 9.3 EXPLODED VIEW



## 9.4 CIRCUIT DIAGRAM RTX 1000

ITEM	DESIGNATION	ITEM	DESIGNATION
1	Control board	9	Compressor connection cable
2	Display PCB	10	Fan connection cable
3	Compressor	11	Temperature sensor – inside
4	Condenser fan	12	Temperature sensor – outside
5	Evaporator fan	13	Temperature sensor – compressor
6	24 V DC connection plug	14	Fuse board (40 A)
7	Battery sensor connection cable	15	Earth
8	Bus connection cable		

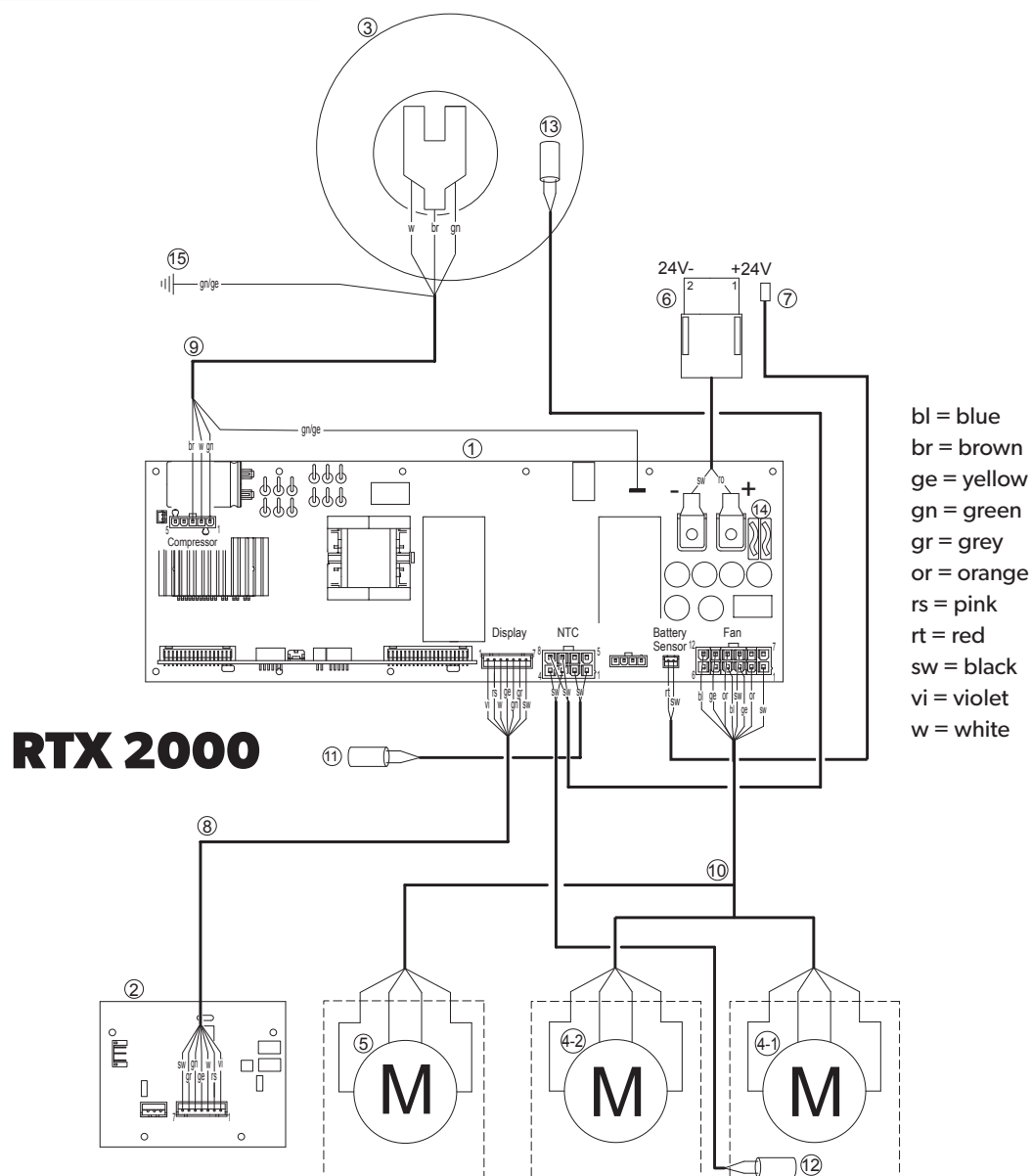




## 9.4 CIRCUIT DIAGRAM RTX 2000

ITEM	DESIGNATION
1	Control board
2	Display PCB
3	Compressor
4	Condenser fan
5	Evaporator fan
6	24 V DC connection plug
7	Battery sensor connection cable
8	Bus connection cable


ITEM	DESIGNATION
9	Compressor connection cable
10	Fan connection cable
11	Temperature sensor – inside
12	Temperature sensor – outside
13	Temperature sensor – compressor
14	Fuse board (40 A)
15	Earth



## 9.5 TROUBLESHOOTING

### WARNING INSTRUCTIONS






#### Note

When the vehicle is started or when several loads are switched on the display may briefly show the text message LO  indicating a voltage drop.

#### 1. Control panel warnings

The control system features various functions to protect the air conditioner or, respectively, the battery.

The activation of a protective function is indicated on the display by the following codes.

DISPLAY	DESCRIPTION	CAUSE	REMEDY	FURTHER MEASURES
LO 	The battery monitor signals undervoltage.	The supply voltage is too low. The battery capacity is insufficient to operate the system.	Recharge the vehicle battery. If the error persists, contact your workshop.	1. Check the battery sensor cable 2. Replace the control PCB
HI 	The system signals short-term or permanent overvoltage.	Short-term overvoltage can occur when large electrical loads are turned off. Permanent overvoltage occurs when the supply voltage is inadequate.	<ul style="list-style-type: none"> <li>➤ Short-term undervoltage: no action required.</li> <li>➤ If the display message "HI" is indicated for a longer time: have the truck electronics checked. Make sure the voltage supply is lower than 30 V.</li> </ul>	1. Check the battery sensor cable 2. Replace the control PCB
	<b>After the initial start-up:</b> If the symbol is flashing twice every 5 seconds, the system indicates a faulty connection of the battery sensor cable.	The system is unable to measure the battery voltage.	Recharge the vehicle battery.	1. Check the battery sensor cable 2. Replace the control PCB
	<b>During normal operation:</b> A flashing symbol indicates that the battery voltage will soon be no longer sufficient to operate the system.	The battery voltage is only slightly higher than the preset system shut-off value.	Wait until the outside temperature rises above 5°C before you switch on the air conditioner again	1. Check the battery sensor cable 2. Replace the control PCB
LO °C		The ambient temperature is lower than 5°C.	When the compressor is back in normal position, the system can be switched on again.	
	The compressor is shut off. After 5 minutes the whole system is shut off.	The compressor (the cabin) is excessively tilted.	When the compressor is back in normal position, the system can be switched on again.	1. Replace the display PCB



# 9.5 TROUBLESHOOTING

## WARNING INSTRUCTIONS

### 2. Error messages on the control panel

The display reads "ERROR" when an error has occurred on the parking cooler.

The type of error is indicated on the display by the following error codes.

DISPLAY	DESCRIPTION	CAUSE	REMEDY	FURTHER MEASURES
<b>F01</b>	The compressor doesn't work.	Error in the compressor power supply (open circuit).	<ul style="list-style-type: none"> <li>➤ Switch the system off</li> <li>➤ Switch it on again after 30 minutes</li> <li>➤ Check the ambient temperature (should not be below 5°C or higher than 52°C)</li> </ul>	<ol style="list-style-type: none"> <li>Manual compressor start <ul style="list-style-type: none"> <li>➤ Service menu item A.01</li> <li>➤ If the compressor won't start, continue with item 2</li> </ul> </li> <li>Check the electrical connection of the compressor <ul style="list-style-type: none"> <li>➤ Electr. Connections on the compressor</li> <li>➤ Connectors on the control PCB</li> <li>➤ Damaged wiring</li> </ul> </li> </ol>
<b>F02</b>	The compressor doesn't work.	Error in the compressor power supply (short circuit)	<ul style="list-style-type: none"> <li>➤ Switch the system off</li> <li>➤ Switch it on again after 30 minutes</li> <li>➤ Check the ambient temperature (should not be below 5°C or higher than 52°C)</li> </ul>	<ol style="list-style-type: none"> <li>Manual compressor start <ul style="list-style-type: none"> <li>➤ Service menu item A.01</li> <li>➤ If the compressor won't start, continue with item 2</li> </ul> </li> <li>Check the electrical connection of the compressor <ul style="list-style-type: none"> <li>➤ Electr. Connections on the compressor</li> <li>➤ Connectors on the control PCB</li> <li>➤ Damaged wiring</li> </ul> </li> </ol>
<b>F03</b>	The compressor doesn't work.	The compressor is overloaded	<ul style="list-style-type: none"> <li>➤ Switch the system off</li> <li>➤ Switch it on again after 30 minutes</li> <li>➤ Check the ambient temperature (should not be below 5°C or higher than 52°C)</li> </ul>	<ol style="list-style-type: none"> <li>Manual compressor start <ul style="list-style-type: none"> <li>➤ Service menu item A.01</li> <li>➤ If the compressor won't start, continue with item 2</li> </ul> </li> <li>Check the functioning of the condenser fan <ul style="list-style-type: none"> <li>➤ Check the electr. Connection of the fan (connectors in the compressor compartment)</li> <li>➤ Check the connectors on the control PCB</li> <li>➤ Replace the condenser fan</li> </ul> </li> <li>If the condenser fan is OK <ul style="list-style-type: none"> <li>➤ Replace the control PCBw</li> </ul> </li> </ol>
<b>F04</b>	Condenser fan 1 does not work	Fan does not respond	<ul style="list-style-type: none"> <li>➤ Switch the system off</li> <li>➤ Switch it on again after 30 minutes</li> <li>➤ Check the ambient temperature (should not be below 5°C or higher than 52°C)</li> </ul>	<ol style="list-style-type: none"> <li>Check the electr. connection of condenser fan 1 <ul style="list-style-type: none"> <li>➤ Plug connectors on the condenser fan</li> <li>➤ Plug connector on the control PCB</li> <li>➤ Damaged wiring</li> </ul> </li> <li>Manual start of condenser fan 1 <ul style="list-style-type: none"> <li>➤ Service menu item A.03</li> <li>➤ If condenser fan 1 won't start, replace it</li> </ul> </li> </ol>
<b>F05</b>	Condenser fan 1 is overloaded	Fan speed requirements are not fulfilled	<ul style="list-style-type: none"> <li>➤ Switch the system off</li> <li>➤ Switch it on again after 30 minutes</li> <li>➤ Check the ambient temperature (should not be below 5°C or higher than 52°C)</li> </ul>	<ol style="list-style-type: none"> <li>Check condenser fan 1 <ul style="list-style-type: none"> <li>Freedom of motion (turn manually if required)</li> </ul> </li> <li>Manual start of condenser fan 1 <ul style="list-style-type: none"> <li>➤ Service menu item A.03</li> <li>➤ If condenser fan 1 won't start, replace it</li> </ul> </li> </ol>
<b>F06</b>	Condenser fan 2 does not work	Fan does not respond	<ul style="list-style-type: none"> <li>➤ Switch the system off</li> <li>➤ Switch it on again after 30 minutes</li> <li>➤ Check the ambient temperature (should not be below 5°C or higher than 52°C)</li> </ul>	<ol style="list-style-type: none"> <li>Check the electr. connection of condenser fan 2 <ul style="list-style-type: none"> <li>➤ Plug connectors on the condenser fan</li> <li>➤ Plug connector on the control PCB</li> <li>➤ Damaged wiring</li> </ul> </li> <li>Manual start of condenser fan 2 <ul style="list-style-type: none"> <li>➤ Service menu item A.04</li> <li>➤ If condenser fan 2 won't start, replace it</li> </ul> </li> </ol>

## 9.5 TROUBLESHOOTING

DISPLAY	DESCRIPTION	CAUSE	REMEDY	FURTHER MEASURES
<b>F07</b>	Condenser fan 2 is overloaded	Fan speed is not adequate	<ul style="list-style-type: none"> <li>➤ Switch the system off</li> <li>➤ Switch it on again after 30 minutes</li> <li>➤ Check the ambient temperature (should not be below 5°C or higher than 52°C)</li> </ul>	<ol style="list-style-type: none"> <li>1. Check the electr. connection of the evaporator fan <ul style="list-style-type: none"> <li>➤ Plug connectors on the condenser fan</li> <li>➤ Plug connector on the control PCB</li> <li>➤ Damaged wiring</li> </ul> </li> <li>2. Manual start of the evaporator fan <ul style="list-style-type: none"> <li>➤ Service menu item A.02</li> <li>➤ If the evaporator fan won't start, replace it</li> </ul> </li> </ol>
<b>F08</b>	The evaporator fan does not work	Fan does not respond	<ul style="list-style-type: none"> <li>➤ Switch the system off</li> <li>➤ Switch it on again after 30 minutes</li> <li>➤ Check the ambient temperature (should not be below 5°C or higher than 52°C)</li> </ul>	<ol style="list-style-type: none"> <li>1. Check the electr. connection of the evaporator fan <ul style="list-style-type: none"> <li>➤ Plug connectors on the condenser fan</li> <li>➤ Plug connector on the control PCB</li> <li>➤ Damaged wiring</li> </ul> </li> <li>2. Manual start of the evaporator fan <ul style="list-style-type: none"> <li>➤ Service menu item A.02</li> <li>➤ If the evaporator fan won't start, replace it</li> </ul> </li> </ol>
<b>F09</b>	The evaporator fan is overloaded	Fan speed is not adequate	<ul style="list-style-type: none"> <li>➤ Switch the system off</li> <li>➤ Switch it on again after 30 minutes</li> <li>➤ Check the ambient temperature (should not be below 5°C or higher than 52°C)</li> </ul>	<ol style="list-style-type: none"> <li>1. Check evaporator fan <ul style="list-style-type: none"> <li>➤ Freedom of motion (turn manually if required)</li> </ul> </li> <li>2. Manual start of the evaporator fan <ul style="list-style-type: none"> <li>➤ Service menu item A.02</li> <li>➤ If the evaporator fan won't start, replace it</li> </ul> </li> </ol>
<b>F10</b>	Not defined			
<b>F11</b>	The system is unable to measure the inside temperature	Error in the temperature sensor wiring (open circuit)	<ul style="list-style-type: none"> <li>➤ Switch the system off</li> <li>➤ Switch it on again after 30 minutes</li> <li>➤ Check the ambient temperature (should not be below 5°C or higher than 52°C)</li> </ul>	<ol style="list-style-type: none"> <li>1. Check the connection of the temperature sensor on the control PCB</li> <li>2. Check the wiring for damage</li> <li>3. Replace the temperature sensor</li> <li>4. Replace the control PCB</li> </ol>
<b>F12</b>	The system is unable to measure the inside temperature	Error in the temperature sensor wiring (short circuit)	<ul style="list-style-type: none"> <li>➤ Switch the system off</li> <li>➤ Switch it on again after 30 minutes</li> <li>➤ Check the ambient temperature (should not be below 5°C or higher than 52°C)</li> </ul>	<ol style="list-style-type: none"> <li>1. Check the connection of the temperature sensor , on the control PCB</li> <li>2. Check the wiring for damage</li> <li>3. Replace the temperature sensor</li> <li>4. Replace the control PCB</li> </ol>
<b>F13</b>	The system is unable to measure the outside temperature	Error in the temperature sensor wiring (open circuit)	<ul style="list-style-type: none"> <li>➤ Switch the system off</li> <li>➤ Switch it on again after 30 minutes</li> <li>➤ Check the ambient temperature (should not be below 5°C or higher than 52°C)</li> </ul>	<ol style="list-style-type: none"> <li>1. Check the connection of the temperature sensor on the control PCB</li> <li>2. Check the wiring for damage</li> <li>3. Replace the temperature sensor</li> <li>4. Replace the control PCB</li> </ol>
<b>F14</b>	The system is unable to measure the outside temperature	Error in the temperature sensor wiring (short circuit)	<ul style="list-style-type: none"> <li>➤ Switch the system off</li> <li>➤ Switch it on again after 30 minutes</li> <li>➤ Check the ambient temperature (should not be below 5°C or higher than 52°C)</li> </ul>	<ol style="list-style-type: none"> <li>1. Check the connection of the temperature sensor on the control PCB</li> <li>2. Check the wiring for damage</li> <li>3. Replace the temperature sensor</li> <li>4. Replace the control PCB</li> </ol>



## 9.5 TROUBLESHOOTING

DISPLAY	DESCRIPTION	CAUSE	REMEDY	FURTHER MEASURES
<b>F15</b>	The system is unable to measure the temperature of the compressor	Error in the temperature sensor wiring (open circuit)	<ul style="list-style-type: none"> <li>➤ Switch the system off</li> <li>➤ Switch it on again after 30 minutes</li> <li>➤ Check the ambient temperature (should not be below 5°C or higher than 52°C)</li> </ul>	<ol style="list-style-type: none"> <li>1. Check the connection of the temperature sensor on the control PCB</li> <li>2. Check the wiring for damage</li> <li>3. Replace the temperature sensor</li> <li>4. Replace the control PCB</li> </ol>
<b>F16</b>	The system is unable to measure the temperature of the compressor	Error in the temperature sensor wiring (short circuit)	<ul style="list-style-type: none"> <li>➤ Switch the system off</li> <li>➤ Switch it on again after 30 minutes</li> <li>➤ Check the ambient temperature (should not be below 5°C or higher than 52°C)</li> </ul>	<ol style="list-style-type: none"> <li>1. Check the connection of the temperature sensor on the control PCB</li> <li>2. Check the wiring for damage</li> <li>3. Replace the temperature sensor</li> <li>4. Replace the control PCB</li> </ol>
<b>F17</b>	The temperature of the compressor is too high	Thermal overload of the compressor	<ul style="list-style-type: none"> <li>➤ Switch the system off</li> <li>➤ Switch it on again after 60 minutes</li> <li>➤ Check the ambient temperature (should not be below 5°C or higher than 52°C)</li> </ul>	<ol style="list-style-type: none"> <li>1. Manual start of the compressor <ul style="list-style-type: none"> <li>➤ Service menu item A.01</li> <li>➤ If the compressor won't start, continue with item 2</li> </ul> </li> <li>2. Check the electr. connection of the compressor <ul style="list-style-type: none"> <li>➤ Electr. connections on the compressor</li> <li>➤ Plug connector on the control PCB</li> <li>➤ Damaged wiring</li> </ul> </li> </ol>
<b>F18</b>	Not defined			
<b>F19</b>	Not defined			
<b>F20</b>	The system reports a (short-time) electrical overload	The current power demand of the system is too high	<ul style="list-style-type: none"> <li>➤ Switch the system off</li> <li>➤ Switch it on again after 30 minutes</li> <li>➤ Check the ambient temperature (should not be below 5°C or higher than 52°C)</li> </ul>	Replace the control PCB
<b>F21</b>	Display entries have no effect	Communication problem between the display PCB and microchip	<ul style="list-style-type: none"> <li>➤ Switch the system off</li> <li>➤ Switch it on again after 30 minutes</li> <li>➤ Check the ambient temperature (should not be below 5°C or higher than 52°C)</li> </ul>	Replace the control PCB
<b>F22</b>	Display entries have no effect	Communication problem between the display PCB and microchip	<ul style="list-style-type: none"> <li>➤ Switch the system off</li> <li>➤ Switch it on again after 30 minutes</li> <li>➤ Check the ambient temperature (should not be below 5°C or higher than 52°C)</li> </ul>	<ol style="list-style-type: none"> <li>1. Check the electr. connection on the control PCB</li> <li>2. Check the electr. connection on the display PCB</li> <li>3. Check the wiring for damage</li> <li>4. Replace display PCB</li> <li>5. Replace control PCB</li> </ol>









## 9.6 SERVICE MENU

NO.	DISPLAY	PROGRAMMING (READ/WRITE)	RANGE
1	P.01	Low-voltage cut-off	20 – 23.5
2	P.02	°C / °F	1/0 (°C = 0, °F = 1)
3	P.03	Not defined	

NO.	DISPLAY	PROGRAMMING (READ/WRITE)	RANGE
4	L.01	Software version M-PCBA	1.00 – 9.99
5	L.02	Software version D-PCBA	1.00 – 9.99
6	L.03	Operating hour meter	0 – 999
7	L.04	Battery voltage Sensing line	8 V ... 35 V
8	L.05	Temperature NTC 1	–40 °C ... +140 °C
9	L.06	Temperature NTC 2	–40 °C ... +140 °C
10	L.07	Temperature NTC Compressor	–40 °C ... +140 °C
11	L.08	Level indicator 1/0	(high = 1, low = 0)
12	L.09	Error memory	99 entries

NO.	DISPLAY	PROGRAMMING (READ/WRITE)	RANGE
13	A.01	Manual compressor start	1/0 (start = 1) rpm: 1500, t = 20 s
14	A.02	Evaporator fan 100%	1/0 (start = 1) t = 20 s
15	A.03	Condenser fan 1 100%	1/0 (start = 1) t = 20 s
16	A.04	Condenser fan 2 100%	1/0 (start = 1) t = 20 s
17	A.05	Condensate pump	1/0 (start = 1) t = 20 s

### START AND EXIT CONFIGURATION MENU

- Press and hold symbol button .
- Press symbol button  and hold it for more than 3 s.
- ✓ Symbol  appears on the display.
- ✓ The parking cooler changes to configuration mode.
- ✓ The display shows "P.01" and symbol  is flashing.
- Change the menu level by pressing the  or  buttons.
- Press symbol button  to access the selected menu level.
- Press symbol button  for more than 3 s to exit the configuration menu.



## 9.7 REPAIR INSTRUCTIONS

### REPLACING THE DISPLAY PCB

This repair can be done with the parking cooler installed in the driver's cabin.

**Required tools/utilities:**

- Screwdriver Torx 10
- Screwdriver Torx 25

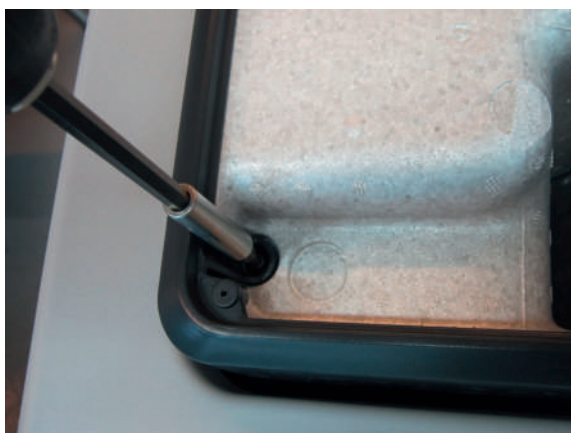


**Caution! Disconnect all power supplies when working on the parking cooler!**



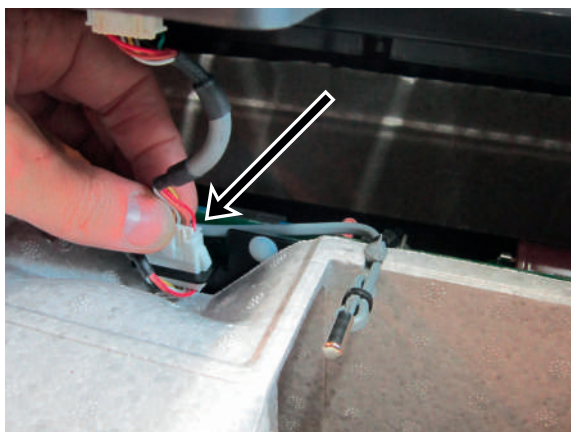
**Figure 1:**

- Release the 4 fastening screws and dismantle the suction grill.



**Figure 2:**

- Release the 4 fastening screws and carefully pull out the air outlet unit until it protrudes about 5 to 6 cm from the system.

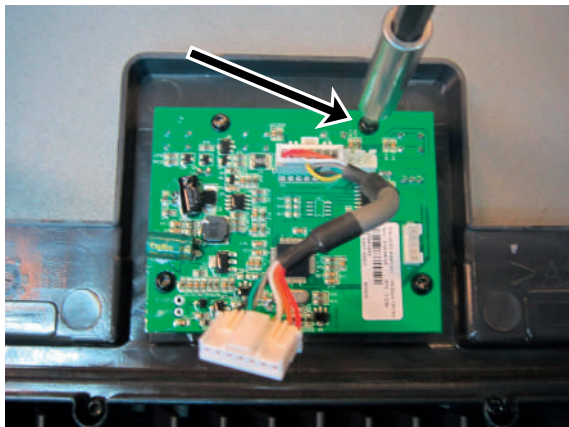


**Figure 3:**

- Remove the connection plug of the display PCB from the connector on the cable harness and take out the air outlet unit.

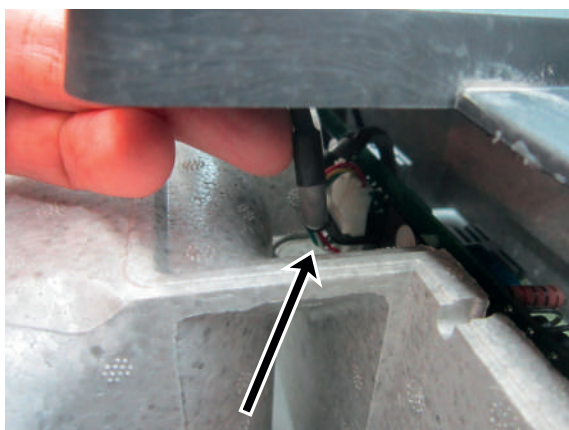
## 9.7 REPAIR INSTRUCTIONS

### REPLACING THE DISPLAY PCB



**Figure 4:**

- Remove the connection cable from the display PCB, release the 4 fastening screws and detach the display PCB.



**Figure 5:**

- To assemble the new display PCB, follow the above working steps in the reverse order.



**Caution!**

**When assembling the air outlet unit, position the connection cable in the recessed area as illustrated to make sure the cable is not pinched.**

**When fitting the display PCB and the suction grill, tighten the fastening screws at a maximum torque of 1 Nm. Otherwise, they might turn idle.**

**When fitting the air outlet unit, tighten the 4 fastening screws at a maximum torque of 4 Nm.**

When reassembling the unit make sure that no cables are pinched and all loose parts (cable tie residues, etc.) are removed from the system.

Check the function in a concluding test run.

## 9.7 REPAIR INSTRUCTIONS

### REPLACING THE CONDENSER FAN

This repair can be done with the parking cooler installed on the cabin roof.

**Required tools/utilities:**

- Screwdriver Torx 25
- Phillips head screwdriver (preferably PZ 2)
- Hexagon socket screwdriver 2.5
- Open end wrench SW 7
- Side cutter
- 2 pieces of cable tie (100 mm x 2.5 mm)

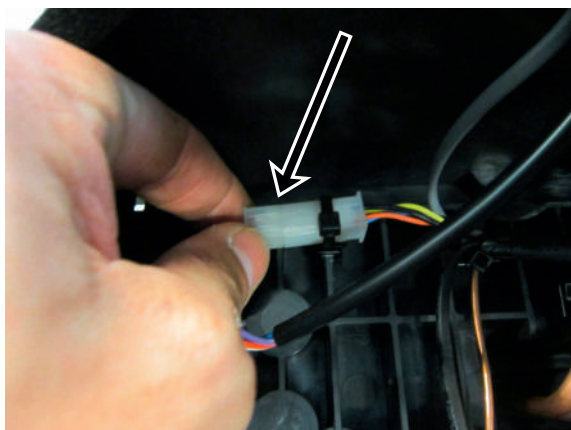


**Caution! Disconnect all power supplies when working on the parking cooler!**



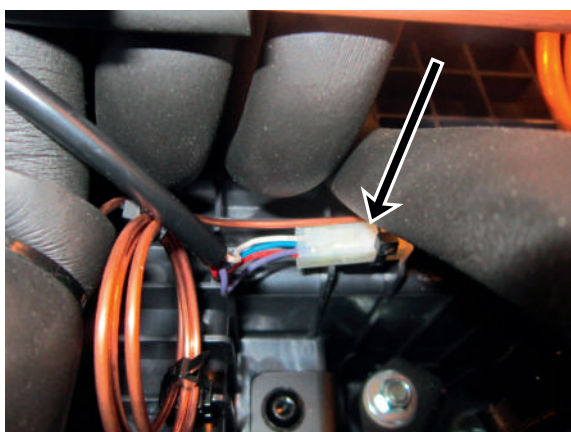
**Figure 1:**

- Remove the top cover.



**Figure 2 (RTX 1000 and 2000):**

- Remove the connection plug of the fan from the connector on the cable harness.

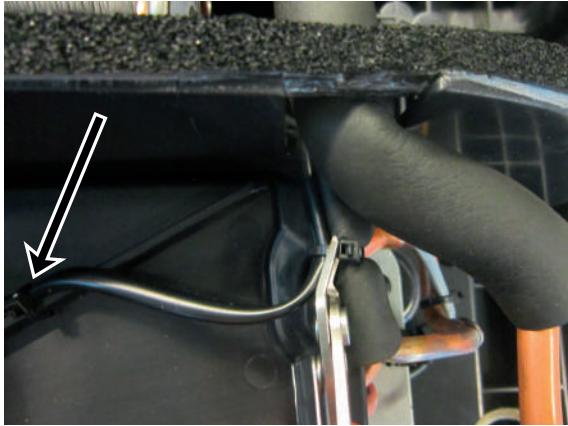


**Figure 3 (RTX 2000 only):**

- Remove the connection plug of the fan from the connector on the cable harness.

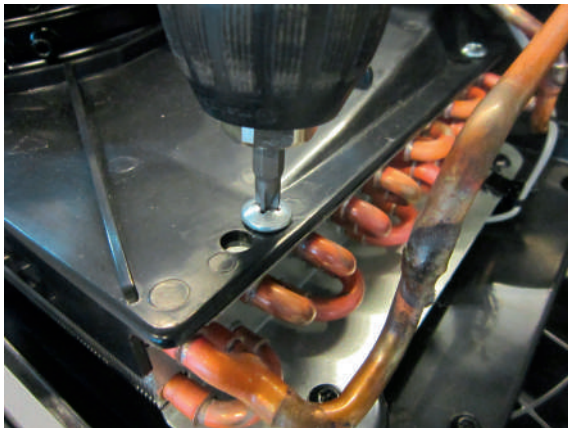
## 9.7 REPAIR INSTRUCTIONS

### REPLACING THE CONDENSER FAN



**Figure 4:**

- Cut the cable ties fixing the connection cable in place.



**Figure 5:**

- Release the 4 fastening screws and lift up the fan with its holder to remove it.



**Figure 6:**

- Release the 4 fastening screws and detach the fan from the holder.



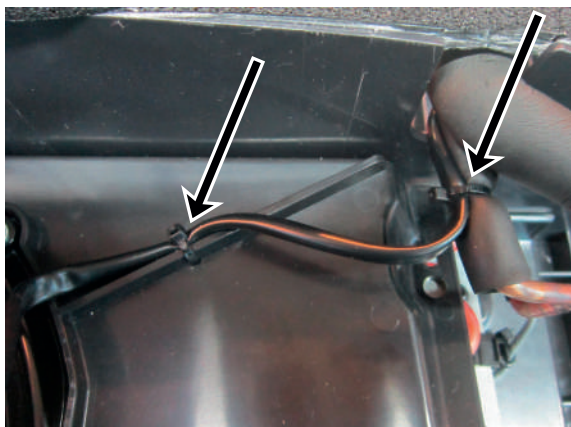
## 9.7 REPAIR INSTRUCTIONS

### REPLACING THE CONDENSER FAN



**Figure 7:**

- Release the 4 fastening screws and detach the fan from the holder.



**Figure 8:**

- To assemble the new display PCB, follow the above working steps in the reverse order.



**Caution!**

**Fix the connection cable at the two points as shown in the illustration.**

**When fitting the holder fasten the screws only hand-tight (2 Nm torque max). Otherwise, they might turn idle.**

When reassembling the unit make sure that no cables are pinched and all loose parts (cable tie residues, etc.) are removed from the system.

Check the function in a concluding test run.

## 9.7 REPAIR INSTRUCTIONS

### REPLACING THE CONTROL PCB

This repair can be done with the parking cooler installed in the driver's cabin.

**Required tools/utilities:**

- Screwdriver Torx 10
- Screwdriver Torx 25
- Phillips head screwdriver (preferably PZ 2)
- Side cutter
- 2 pieces of cable tie (100 mm x 2.5 mm)

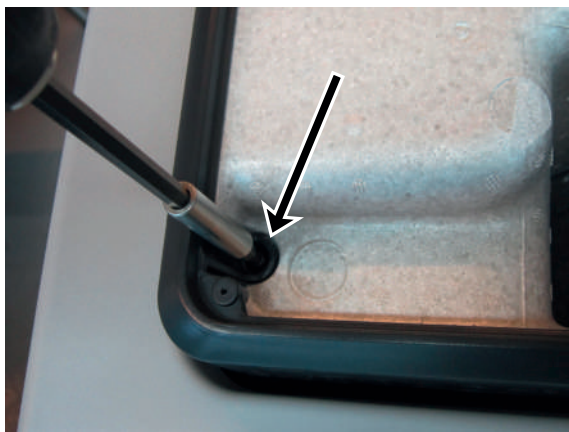


**Caution! Disconnect all power supplies when working on the parking cooler!**



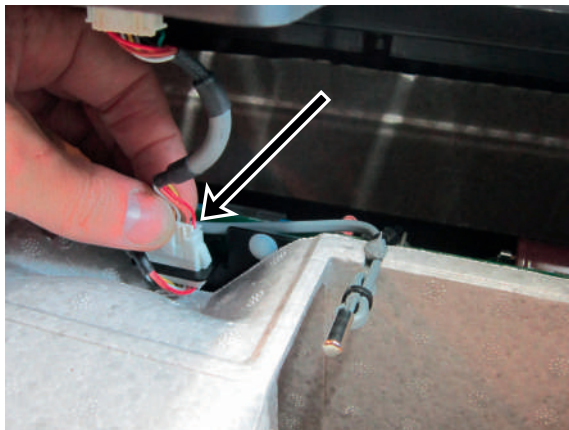
**Figure 1:**

- Release the 4 fastening screws and dismantle the suction grill.



**Figure 2:**

- Release the 4 fastening screws and carefully pull out the air outlet unit until it protrudes about 5 to 6 cm from the system.

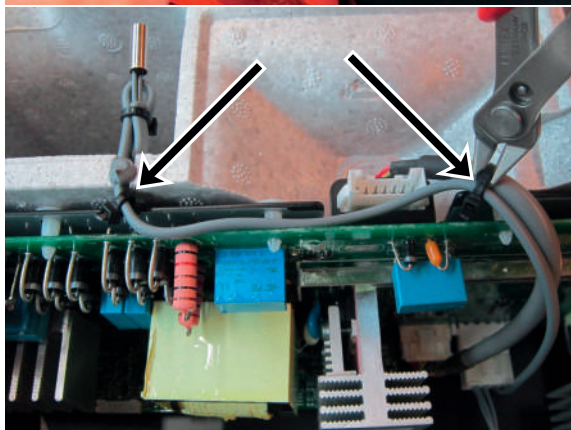
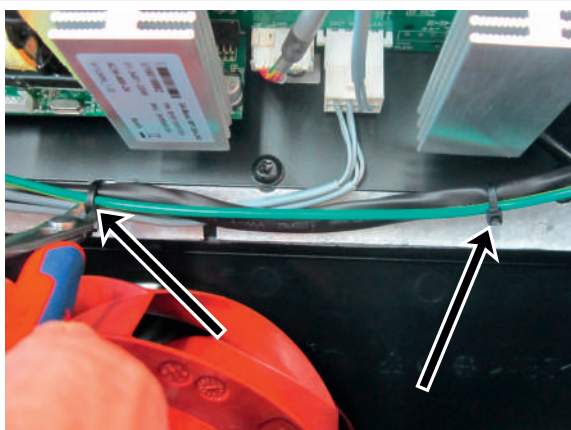


**Figure 3:**

- Remove the connection plug of the display PCD from the connector on the cable harness and take out the air outlet unit.

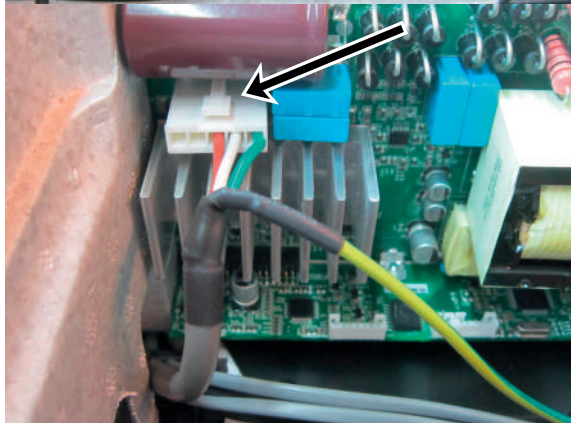
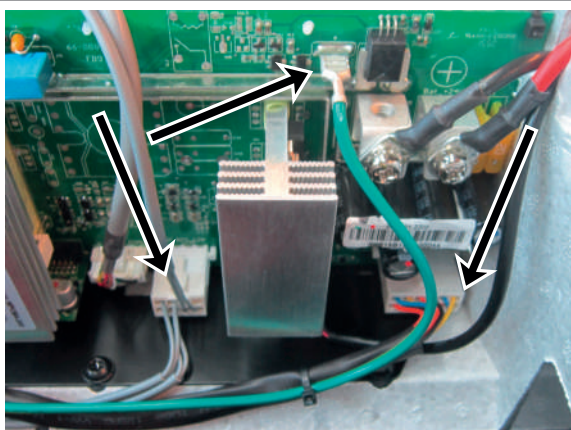
## 9.7 REPAIR INSTRUCTIONS

### REPLACING THE CONTROL PCB



**Figure 4:**

- Cut the marked cable tie and release the 3 fastening screws of the metal holder.



**Figure 5:**

- Carefully remove the marked plug from the control PCB.

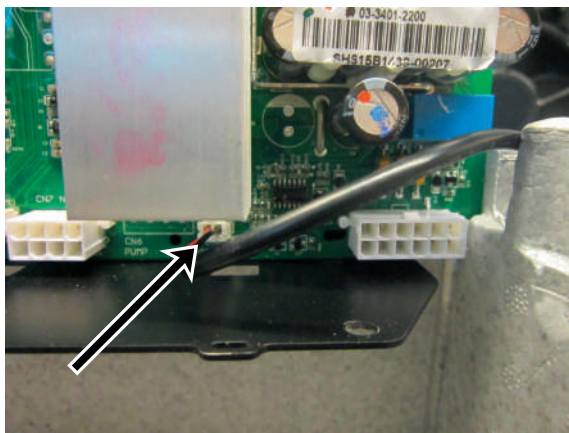
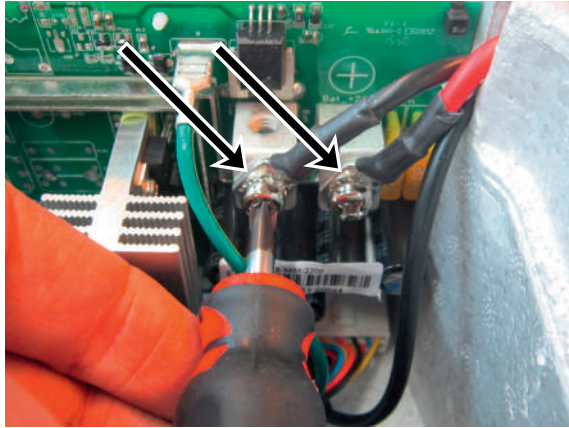


**Caution!**

Some plugs have a locking device that has to be pressed when removing the plug from the control PCB.

## 9.7 REPAIR INSTRUCTIONS

### REPLACING THE CONTROL PCB



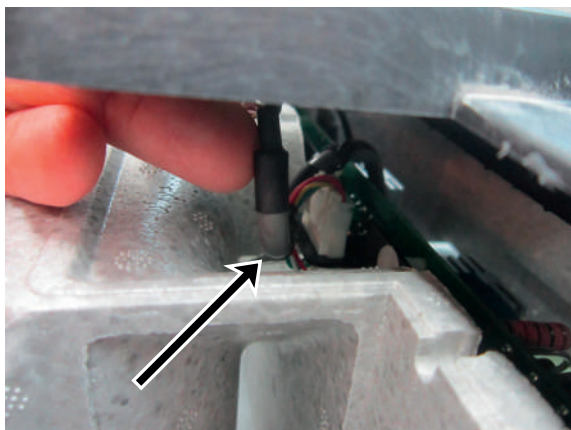
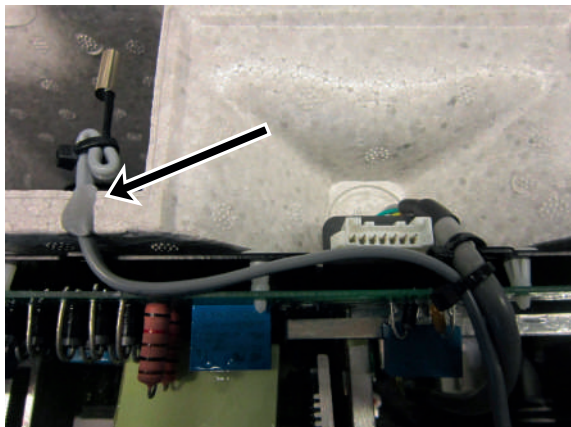
**Figure 6:**

- Release the 2 fastening screws of the connection cable and carefully pull out the control PCB with its holder from the lateral slide.
- Shortly before you have totally removed the PCB from the lateral slide, carefully pull out the marked plug.



## 9.7 REPAIR INSTRUCTIONS

### REPLACING THE CONTROL PCB



**Figure 7:**

➤ When fitting the new control PCB, follow the above working steps in the reverse order and fix the cables in the same way.



**Caution!**

Place the temperature sensor as shown in the illustration.

When fitting the connection cable, tighten the 2 fastening screws at a maximum torque of 3.5 Nm. Make sure the cables do not touch any components on the control PCB (heat sink, etc.)

When assembling the air outlet unit, position the connection cable in the recessed area as illustrated to make sure the cable is not pinched.

When fitting the air outlet unit, tighten the 4 fastening screws at a maximum torque of 4 Nm.

When fitting the suction grill, tighten the fastening screws at a maximum torque of 1 Nm. Otherwise, they might turn idle.

When reassembling the unit make sure that no cables are pinched and all loose parts (cable tie residues, etc.) are removed from the system.

Check the function in a concluding test run.

## 9.7 REPAIR INSTRUCTIONS

### REPLACING THE EVAPORATOR FAN

This repair can be done with the parking cooler installed on the cabin roof!

**Required tools/utilities:**

- Screwdriver Torx 25
- Hexagon socket screwdriver 2.5

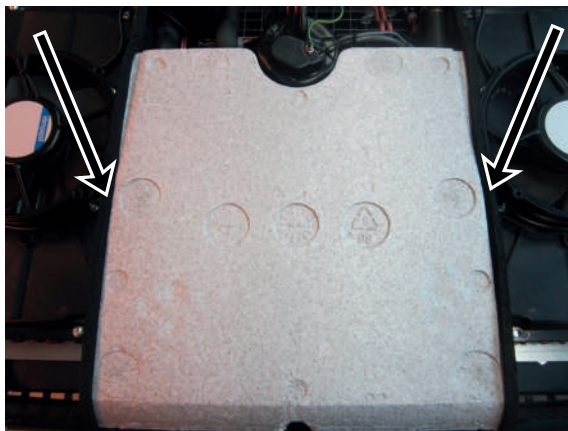


**Caution! Disconnect all power supplies when working on the parking cooler!**



**Figure 1:**

- Detach the top cover.



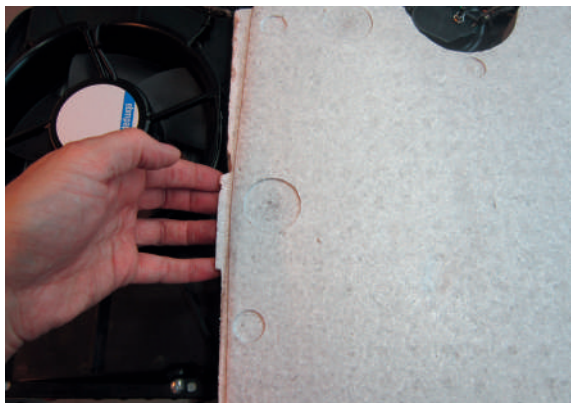
**Figure 2:**

- Remove the sealing tape from the EPS housing.



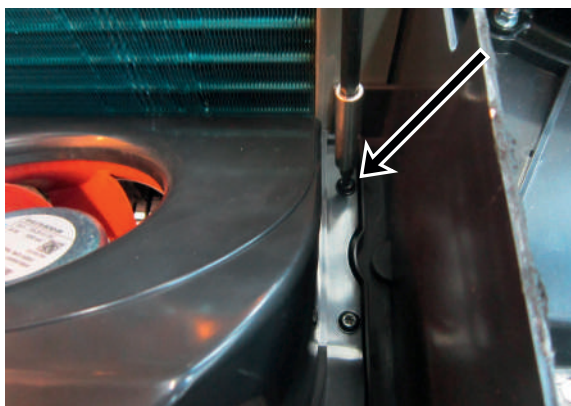
## 9.7 REPAIR INSTRUCTIONS

### REPLACING THE EVAPORATOR FAN



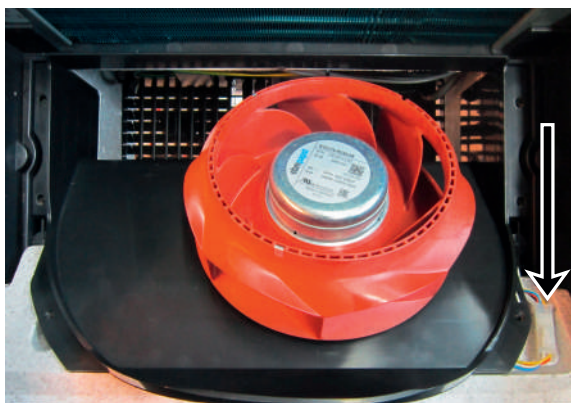
**Figure 3:**

- Lift up the EPS housing to remove it from the system.



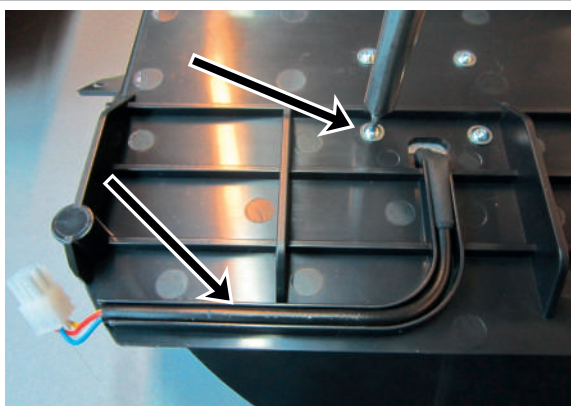
**Figure 4:**

- Release the 6 fastening screws and lift up the cover to remove it.



**Figure 5:**

- Remove the connection plug of the fan from the connector on the cable harness.
- Lift up the evaporator fan with its holder to remove it from the system.

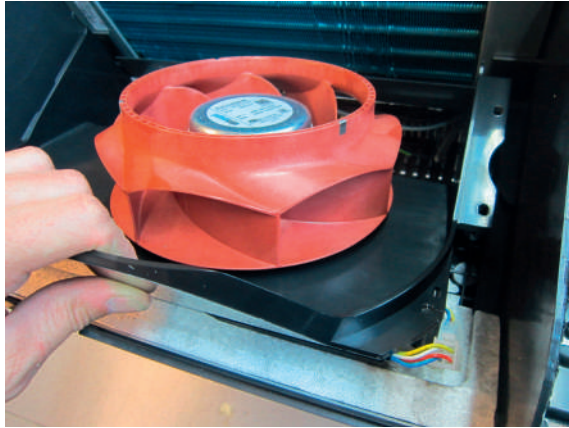


**Figure 6:**

- Release the 4 fastening screws, take out the connection cable from the groove and detach the fan from the holder.

## 9.7 REPAIR INSTRUCTIONS

### REPLACING THE EVAPORATOR FAN



**Figure 7:**

➤ To assemble the new fan, follow the above working steps in the reverse order.



**Caution!**

**Make sure you align the fan properly (cable connection).**

**When fitting the fan and the holder, tighten the fastening screws at a maximum torque of 4 Nm.**

When reassembling the unit make sure that no cables are pinched and all loose parts (cable tie residues, etc.) are removed from the system.

Check the function in a concluding test run.

## 9.8 SCOPE OF DELIVERY FOR INSTALLATION KIT

### DAF XF 106 SPACE CAB (9100300078)

ITEM	DESIGNATION	ITEM NO.	QUANTITY
1	Cover frame	444 300 0432	1
2	Sealing 10x20 mm	444 330 0055	1x 2,5m
3	Connection cable 4m	444 130 0250	1
4	Hexagon socket screw with cylinder head M6x35	444 200 0095	14
5	Threaded insert with flange M6	444 520 0069	14
6	Distance sleeve 8.2x14x18	444 390 0236	14
7	Washer 6.5x20x1.25	444 520 0112	14
8	Spring washer M6	444 520 0090	14
9	Hexagon socket screw with cylinder head M6x45	444 520 0096	6
10	Wing repair washer 6.4x15x1.5	444 520 0097	6
11	Cable tie	444 590 0256	1



## 9.8 SCOPE OF DELIVERY FOR INSTALLATION KIT

### DAF XF 106 SUPER SPACE CAB (9100300079)

ITEM	DESIGNATION	ITEM NO.	QUANTITY
1	Cover frame	444 300 0431	1
2	Sealing 10x20 mm	444 330 0055	1x 2,5m
3	Threaded insert with flange M8	444 520 0068	4
4	Threaded insert with flange M6	444 520 0069	4
5	Connection cable 4m	444 130 0250	1
6	Compensation frame	444 250 0618	2
7	Hexagon screw	444 520 0159	4
8	Nut M8	444 520 0099	4
9	Spring washer M8	444 520 0091	4
10	Washer 8.5x20x1.25	444 520 0113	4
11	Distance sleeve 6.2x10x40	444 390 0240	4
12	Distance sleeve 6.2x10x48	444 390 0241	4
13	Hexagon socket screw with cylinder head M6x100	444 520 0092	4
14	Washer M6	444 520 0115	4
15	Cable tie	444 590 0256	1
16	1/4" hexagon bit	444 590 0172	1

## 9.8 SCOPE OF DELIVERY FOR INSTALLATION KIT MAN TGX XXL (9100300080)

ITEM	DESIGNATION	ITEM NO.	QUANTITY
1	Cover frame	444 300 0424	1
2	Sealing 35x20mm	444 330 0074	1x 2,5m
3	Hexagon screw M8x60	444 520 0108	8
4	Threaded insert with flange M8	444 520 0068	8
5	Threaded insert with flange M6	444 520 0069	4
6	Support strip MAN	444 250 0511	4
7	Washer 8.5x20x1.25	444 520 0113	8
8	Spring washer M8	444 520 0091	8
9	Distance sleeve 8.2x14x40	444 390 0237	8
10	Hexagon socket screw with cylinder head M6x95	444 520 0161	4
11	Distance sleeve M6	444 390 0240	8
12	Washer M6	444 520 0115	4
13	Connection cable 11m	444 130 0251	1
14	1/4" hexagon bit	444 590 0172	1
15	Ring terminal 6mm <sup>2</sup> M10	444 150 0037	1
16	Ring terminal 6mm <sup>2</sup> M8	444 150 0036	1
17	Butt connector 6mm <sup>2</sup>	444 150 0038	1
18	Maxi fuse holder AWG 10	444 160 0176	1
19	Maxi fuse 40A	444 155 0010	1
20	Ring terminal 0.5mm <sup>2</sup> M8	444 150 0035	2
21	Butt connector 0.5mm <sup>2</sup>	444 150 0034	1
22	Fuse holder AWG 16	444 160 0175	1
23	Blade fuse 2A	444 155 0007	1
24	Cable tie 4.8x360	444 590 0384	20

## 9.8 SCOPE OF DELIVERY FOR INSTALLATION KIT MB ACTROS SFTP (9100300082)

ITEM	DESIGNATION	ITEM NO.	QUANTITY
1	Cover frame	444 300 0430	1
2	Sealing 10 x 20 mm	444 330 0055	1x 2,5m
3	Hexagon screw M8x40	444 520 0106	8
4	Threaded insert with flange M8	444 520 0068	8
5	Threaded insert with flange M6	444 520 0069	4
6	Distance sleeve 8.2x14x18	444 390 0236	8
7	Washer 8.5x20,1x25	444 520 0113	8
8	Spring washer M8	444 520 0091	8
9	Hexagon socket screw with cylinder head M6x90	444 520 0160	4
10	Distance sleeve 6.2x10x48	444 390 0241	4
11	Distance sleeve 6.2x10x28	444 390 0366	4
12	Washer M6	444 520 0115	4
13	Connection cable 11m	444 130 0251	1
14	Ring terminal 6mm <sup>2</sup> M10	444 150 0037	1
15	Ring terminal 6mm <sup>2</sup> M8	444 150 0036	1
16	Butt connector 6mm <sup>2</sup>	444 150 0038	1
17	Maxi fuse holder AWG 10	444 160 0176	1
18	Maxi fuse 40A	444 155 0010	1
19	Ring terminal 0.5mm <sup>2</sup> M8	444 150 0035	2
20	Butt connector 0.5mm <sup>2</sup>	444 150 0034	1
21	Fuse holder 2A	444 155 0007	1
22	Cable tie	444 590 0256	1
23	1/4" hexagon bit	445 000 0172	1

## 9.8 SCOPE OF DELIVERY FOR INSTALLATION KIT MB ATEGO/AXOR (9100300081)

ITEM	DESIGNATION	ITEM NO.	QUANTITY
1	Cover frame	444 300 0429	1
2	Sealing 10 x 20 mm	444 330 0055	1x 2,5m
3	Hexagon screw M8x40	444 520 0106	8
4	Threaded insert with flange M8	444 520 0068	8
5	Washer 8.5x20x1.25	444 520 0113	8
6	Spring washer M8	444 520 0091	8
7	Distance sleeve 8.2x14x18	444 390 0236	8
8	Distance sleeve 5.3x10x15	444 390 0211	8
9	Connection cable 11m	444 130 0251	1
10	Ring terminal 6mm <sup>2</sup> M10	444 150 0037	1
11	Ring terminal 6mm <sup>2</sup> M8	444 150 0036	1
12	Butt connector 6mm <sup>2</sup>	444 150 0038	1
13	Maxi fuse holder AWG 10	444 160 0176	1
14	Maxi fuse 40A	444 155 0010	1
15	Ring terminal 0.5mm <sup>2</sup> M8	444 150 0035	2
16	Butt connector 0.5mm <sup>2</sup>	444 150 0034	1
17	Fuse holder AWG 16	444 160 0175	1
18	Blade fuse 2A	444 155 0007	1
19	Cable tie	444 590 0256	1
20	1/4" hexagon bit	444 590 0172	1

## 9.8 SCOPE OF DELIVERY FOR INSTALLATION KIT SCANIA TOP-HIGHLINE (9100300083)

ITEM	DESIGNATION	ITEM NO.	QUANTITY
1	Cover frame	444 300 0428	1
2	Sealing 10 x 20 mm	444 330 0055	1x 2,5m
3	Hexagon screw M8x65	444 520 0109	6
4	Threaded insert with flange M8	444 520 0068	6
5	Washer 8.5x20x1.25	444 520 0113	6
6	Spring washer M8	444 520 0091	6
7	Distance sleeve 8.2x14x18	444 390 0255	6
8	Hexagon socket screw with cylinder head M6x45	444 520 0096	4
9	Distance sleeve 6.2x10x30	444 390 0257	4
10	Washer M6	444 520 0115	4
11	Installation manual	444 510 1436	1
12	Connection cable 4m	444 130 0250	1
13	Cable tie	444 590 0256	1
14	1/4" hexagon bit	444 590 0172	1



## 9.8 SCOPE OF DELIVERY FOR INSTALLATION KIT UNIVERSAL 1 (9100300085)

ITEM	DESIGNATION	ITEM NO.	QUANTITY
1	Cover frame	444 300 0428	1
2	Sealing 10 x 20 mm	444 330 0055	1x 2,7m
3	Sealing 35x20mm	444 330 0074	1x 2,7m
4	Hexagon screw M8x40	444 520 0106	8
5	Hexagon screw M8x60	444 520 0108	8
6	Threaded insert with flange M8	444 520 0068	8
7	Threaded insert with flange M6	444 520 0069	4
8	Washer 8.5x20x1.25	444 520 0113	8
9	Spring washer M8	444 520 0091	8
10	Distance sleeve 8.2x14x18	444 390 0236	8
11	Distance sleeve 8.2x14x40	444 390 0237	8
12	Hexagon socket screw with cylinder head M6x110	444 520 0093	4
13	Distance sleeve 6.2x10x48	444 390 0241	8
14	Washer M6	444 520 0115	4
15	Connection cable 4m	444 130 0250	1
16	Cable tie	444 590 0256	1
17	1/4" hexagon bit	444 590 0172	1

## 9.8 SCOPE OF DELIVERY FOR INSTALLATION KIT UNIVERSAL 2 (9100300086)

ITEM	DESIGNATION	ITEM NO.	QUANTITY
1	Cover frame	444 300 0425	1
2	Sealing 10 x 20 mm	444 330 0055	1x 2,7m
3	Compensation frame	444 250 0618	2
4	Hexagon screw M8x100	444 520 0104	4
5	Threaded insert with flange M8	444 520 0068	4
6	Threaded insert with flange M6	444 520 0069	4
7	Washer 8.5x20x1.25	444 520 0113	4
8	Spring washer M8	444 520 0091	4
9	Nut M8	444 520 0099	4
10	Hexagon socket screw with cylinder head M6x110	444 520 0093	4
11	Distance sleeve 6.2x10x48	444 390 0241	8
12	Washer M6	444 520 0115	4
13	Connection cable 4m	444 130 0250	1
14	Cable tie	444 590 0256	1
15	1/4" hexagon bit	444 590 0172	1

## 9.8 SCOPE OF DELIVERY FOR INSTALLATION KIT IVECO HI-STREET / HI-ROAD (9100300087)

ITEM	DESIGNATION	ITEM NO.	QUANTITY
1	Cover frame	444 300 0433	1
2	Sealing 10 x 20 mm	444 330 0055	1x 2,5m
3	Hexagon screw M8x45	444 520 0107	12
4	Threaded insert with flange M8	444 520 0068	12
5	Washer 8.5x20x1.25	444 520 0113	12
6	Spring washer M8	444 520 0091	12
7	Distance sleeve 8.2x14x18	444 390 0236	12
8	Connection cable 11m	444 130 0251	1
9	Ring terminal 6mm <sup>2</sup> M10	444 150 0037	1
10	Ring terminal 6mm <sup>2</sup> M8	444 150 0036	1
11	Butt connector 6mm <sup>2</sup>	444 150 0038	1
12	Maxi fuse holder AWG 10	444 160 0176	1
13	Maxi fuse 40A	444 150 0010	1
14	Ring terminal 0.5mm <sup>2</sup> M8	444 150 0035	2
15	Butt connector 0.5mm <sup>2</sup>	444 150 0034	1
16	Fuse holder AWG 16	444 160 0175	1
17	Blade fuse 2A	444 155 0007	1
18	Cable tie	444 590 0256	1
19	1/4" hexagon bit	444 590 0172	1

## 9.8 SCOPE OF DELIVERY FOR INSTALLATION KIT IVECO STRALIS HI-WAY (9100300088)

ITEM	DESIGNATION	ITEM NO.	QUANTITY
1	Cover frame	444 300 0433	1
2	Sealing 35x20mm	444 330 0074	1x 2,5m
3	Hexagon screw M8x65	444 520 0109	12
4	Threaded insert with flange M8	444 520 0068	12
5	Washer 8.5x20x1.25	444 520 0113	12
6	Spring washer M8	444 520 0091	12
7	Distance sleeve 8.2x14x40	444 390 0237	12
8	Connection cable 11m	444 130 0251	1
9	Ring terminal 6mm <sup>2</sup> M10	444 150 0037	1
10	Ring terminal 6mm <sup>2</sup> M8	444 150 0036	1
11	Butt connector 6mm <sup>2</sup>	444 150 0038	1
12	Maxi fuse holder AWG 10	444 160 0176	1
13	Maxi fuse 40A	444 150 0010	1
14	Ring terminal 0.5mm <sup>2</sup> M8	444 150 0035	2
15	Butt connector 0.5mm <sup>2</sup>	444 150 0034	1
16	Fuse holder AWG 16	444 160 0175	1
17	Blade fuse 2A	444 155 0007	1
18	Cable tie	444 590 0256	1
19	1/4" hexagon bit	444 590 0172	1

## 9.8 SCOPE OF DELIVERY FOR INSTALLATION KIT RENAULT H1 (9100300089)

ITEM	DESIGNATION	ITEM NO.	QUANTITY
1	Cover frame	444 300 0426	1
2	Sealing 10 x 20 mm	444 330 0055	1x 2,5m
3	Hexagon screw M8x40	444 520 0106	8
4	Threaded insert with flange M8	444 520 0068	14
5	Washer 8.5x20x1.25	444 520 0113	8
6	Spring washer M8	444 520 0091	8
7	Distance sleeve 8.2x14x18	444 390 0236	8
8	Lens head screw with flange M8x16	444 520 0048	6
9	Cover frame adapter	444 250 0796	2
10	Hexagon socket screw with cylinder head M6x100	444 520 0092	4
11	Distance sleeve 6.2x10x48	444 390 0241	4
12	Distance sleeve 6.2x10x39	444 390 0339	4
13	Washer M6	444 520 0115	4
14	Cap for cover frame Renault	444 300 0439	1
15	Hexagon socket screw with cylinder head M4x12	444 520 0119	4
16	Washer M4	444 520 0120	4
17	Self-locking stop nut M4	444 520 0055	4
18	Connection cable 4m	444 130 0250	1
19	Cable tie	444 590 0256	1
20	1/4" hexagon bit	444 590 0172	1



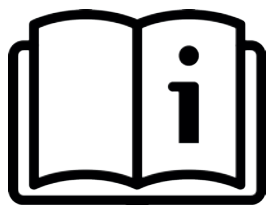
## 9.8 SCOPE OF DELIVERY FOR INSTALLATION KIT RENAULT H2 (9100300090)

ITEM	DESIGNATION	ITEM NO.	QUANTITY
1	Cover frame	444 300 0427	1
2	Sealing 10 x 20 mm	444 330 0055	1x 2,5m
3	Hexagon screw M8x40	444 520 0106	8
4	Threaded insert with flange M8	444 520 0068	14
5	Washer 8.5x20x1.25	444 520 0113	8
6	Spring washer M8	444 520 0091	8
7	Distance sleeve 8.2x14x18	444 390 0236	8
8	Lens head screw with flange M8x16	444 520 0048	6
9	Cover frame adapter	444 250 0796	2
10	Hexagon socket screw with cylinder head M6x60	444 520 0123	4
11	Distance sleeve 6.2x10x48	444 390 0241	4
12	Washer M6	444 520 0115	4
13	Cap for cover frame Renault	444 300 0439	1
14	Hexagon socket screw with cylinder head M4x12	444 520 0119	4
15	Washer M4	444 520 0120	4
16	Self-locking stop nut M4	444 520 0055	4
17	Connection cable 4m	444 130 0250	1
18	Cable tie	444 590 0256	2
19	1/4" hexagon bit	444 590 0172	1

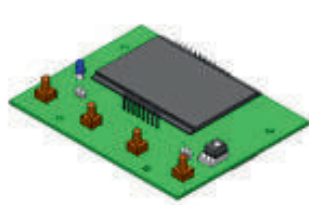
## 9.9 COOLAIR RTX REWORK KIT

### REPLACEMENT OF THE DISPLAY BOARD AND ADDITIONAL SEALING

SCOPE OF DELIVERY (REWORK-KIT ART.NR.: 4445900469)



Instruction



PCB Display



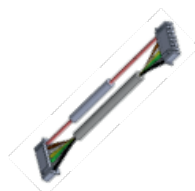
Plastic Cover



Gasket



Screw 3 x 12 mm (x4)



Wiring



Cable tie

**EURASOL Tape**

1x450mm  
2x400mm  
2x120mm  
1x150mm

**VKP Tape**

1x1700mm  
2x700mm  
1x400mm

Sealing Tape Set

#### NEEDED TOOLS (NOT INCLUDED)



Torx T10



Torx T25



Allen key 5



Side cutter



Drill bit 6 mm



Degreaser



Needle nose plier



Scissor



Cutter knife

## 9.9 COOLAIR RTX REWORK KIT

### STEP 1 – SEALING ON THE TOP



#### Caution!

All surfaces to be glued must be clean or cleaned! Follow the correct order of the different steps!

Make sure the system is powerless before you start to work. High currents can lead to serious injuries!

If the system has not been disconnected in advance, please wait 10 minutes after disconnecting until you start working!

#### Attention!

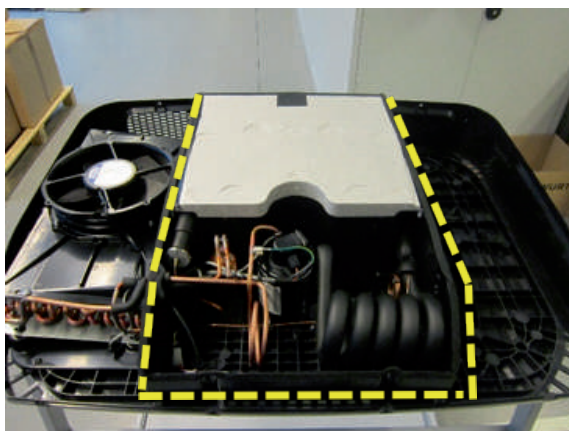
Follow the correct order of the different steps! Always start with STEP 1.

All surfaces to be glued must be clean or cleaned!



**Figure 1:**

➤ Remove the seven screws to demount the top cover.



**Figure 2:**

➤ Remove and dispose the whole foam sealing tape (VKP tape) from the EPS housing..



#### Attention!

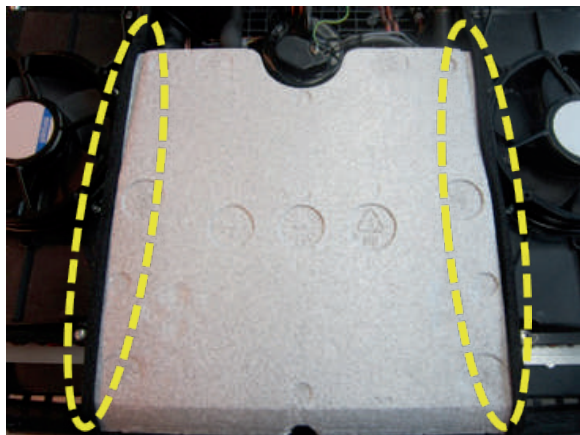
Steps of Figure 3 to 18 only have to be processed if the parking cooler has not been sealed with the EURASOL tape before. If it is sealed with a different tape than the EURASOL remove it. If the EURASOL is already used, continue with Figure 19.



Würth EURASOL® tape

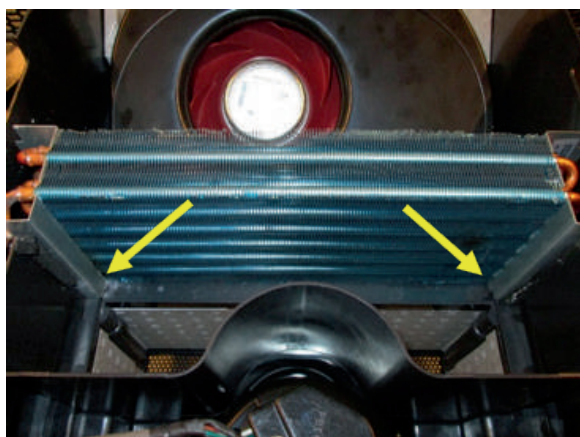
## 9.9 COOLAIR RTX REWORK KIT

### STEP 1 – SEALING ON THE TOP



**Figure 3:**

- Pull the EPS housing out of the unit.



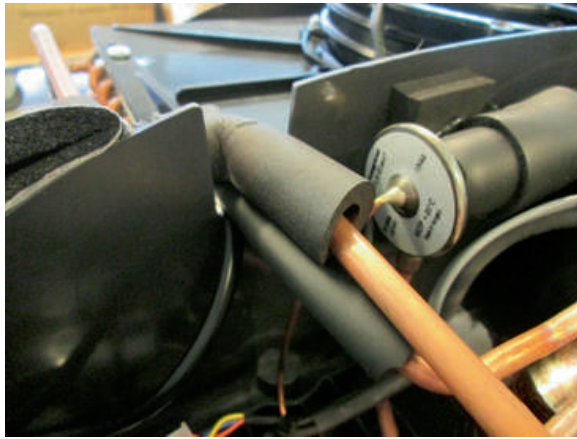
**Figure 4:**

- Check the condensate drains for blockages.
- If clogged, remove blockage with a needle nose plier.



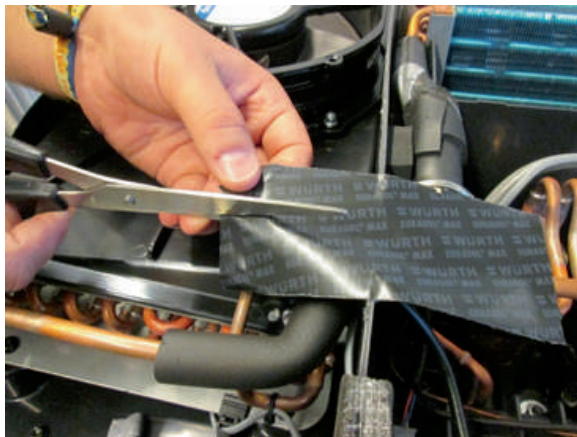
## 9.9 COOLAIR RTX REWORK KIT

### STEP 1 – SEALING ON THE TOP



**Figure 5:**

- Seal the pipe crossings with the adhesive sealing tape.



**Figure 6:**

- Stick the 120 mm piece of EURASOL tape centrally on the partition wall and cut this as illustrated 50mm.



**Figure 7:**

- Fold back the flaps on both sides to the pipework. It must be closed airtight and in a straight line.



## 9.9 COOLAIR RTX REWORK KIT

### STEP 1 – SEALING ON THE TOP



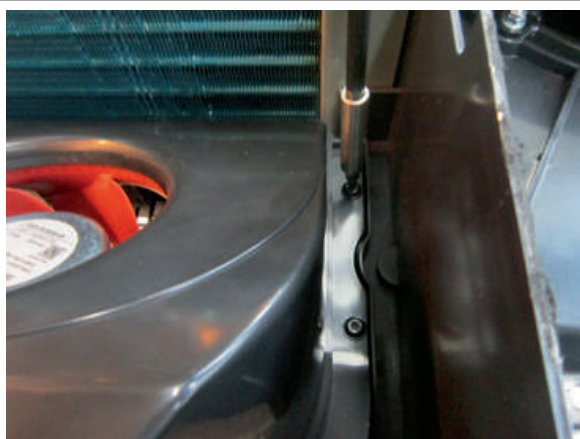
**Figure 8:**

- **Only RTX1000:** The right pipe crossing is not occupied.
- Glue there the 120 mm long EURASOL tape without cuts.



**Figure 9:**

- It must be also closed airtight and in a straight line.



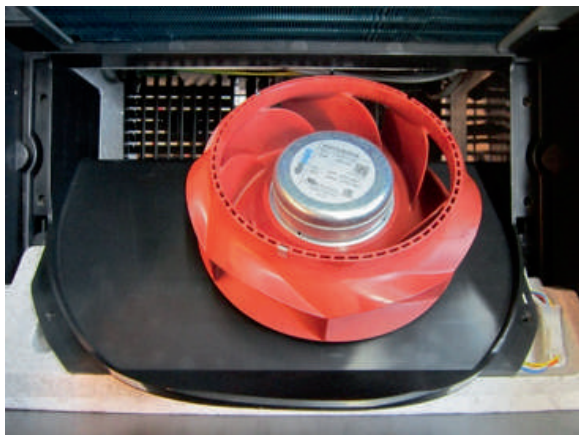
**Figure 10:**

- Unscrew the six fixation screws and take out the fan cover.



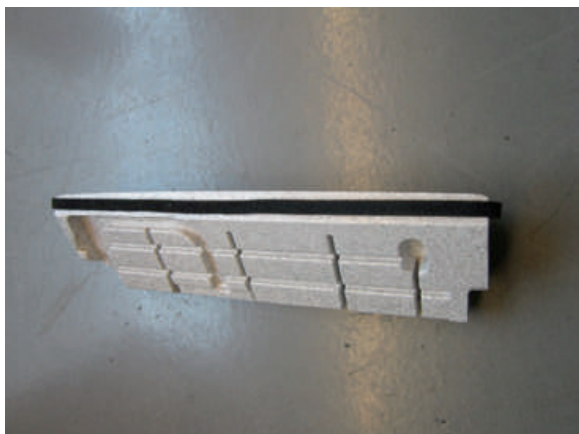
## 9.9 COOLAIR RTX REWORK KIT

### STEP 1 – SEALING ON THE TOP



**Figure 11:**

- Disconnect the plug of the fan from the cable harness.
- Pull the fan and the fan support out of the unit.



**Figure 12:**

- Pull the EPS foam wedge out of the unit and apply the 400 mm long stripe of VKP tape as shown on the upper surface.

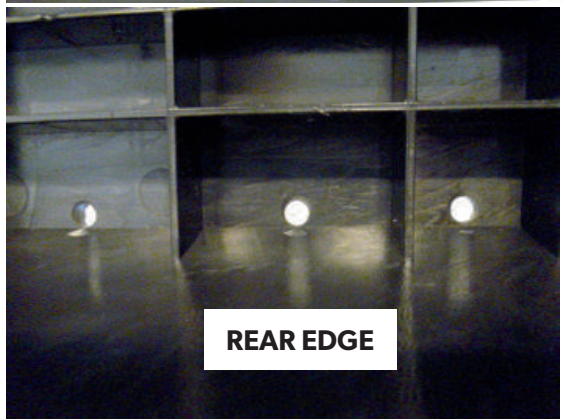
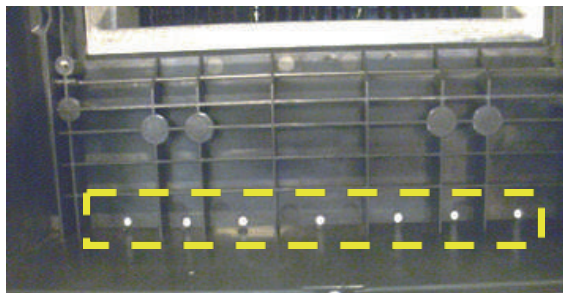


**Figure 13:**

- Let the VKP tape overlap at the edges.

## 9.9 COOLAIR RTX REWORK KIT

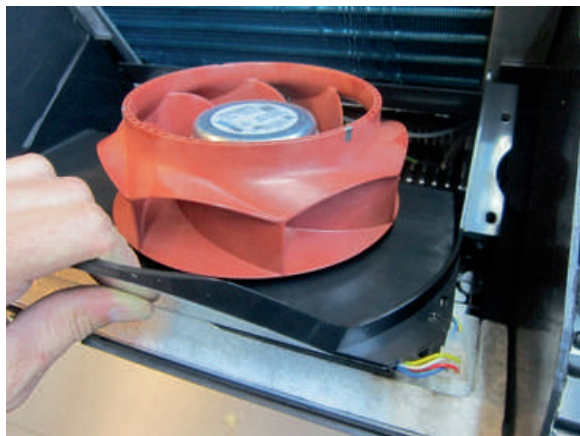
### STEP 1 – SEALING ON THE TOP



**Figure 14 & 15:**

- Drill a hole (Ø 6 mm) in every rear pocket of the baseplate.
- Drill seven holes in total.
- Drill the holes along the edge of the baseplate as shown in the picture.
- Deburr the holes after-wards.
- Clean the pockets from leftovers.

**Attention! Use a drilling pad to prevent damage to the truck.**



**Figure 16:**

- Re-install the EPS foam wedge and the fan.
- Tighten the six screws with 1,5 Nm.

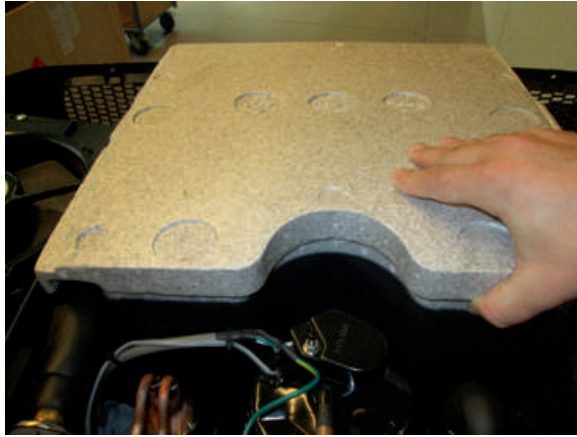


**Figure 17:**

- Reconnect the plug of the fan.

## 9.9 COOLAIR RTX REWORK KIT

### REPLACEMENT OF THE ADDITIONAL SEALING



**Figure 18:**

- Put the EPS housing back into the unit.



**Figure 19:**

- Fit the 150 mm EURASOL tape on the base-plate below the screw hole.



**Figure 20:**

- Turn the EURASOL tape also behind the base-plate.



## 9.9 COOLAIR RTX REWORK KIT

### REPLACEMENT OF THE ADDITIONAL SEALING



**Figure 21 & 22:**

- Take the edge as reference.



**Figure 23:**

- Apply the tape around the EPS cover.



## 9.9 COOLAIR RTX REWORK KIT

### STEP 1 – SEALING ON THE TOP



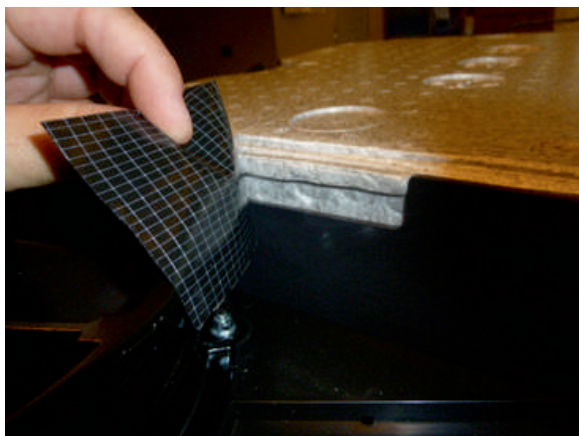
#### Attention!

Figure 24 to 29 only have to be processed if the parking cooler has not been sealed with EURASOL before.  
If it is already sealed, continue with Figure 30.



**Figure 24:**

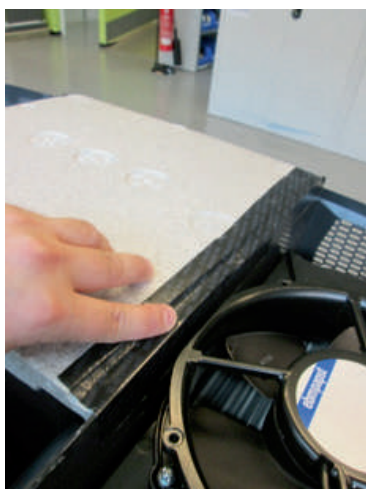
- Glue the EPS housing with the 400 mm EURASOL tape on the sidewalls of the unit.
- Ensure that the sidewalls pressed against the EPS housing during the bonding.



**Figure 25:**

#### Attention!

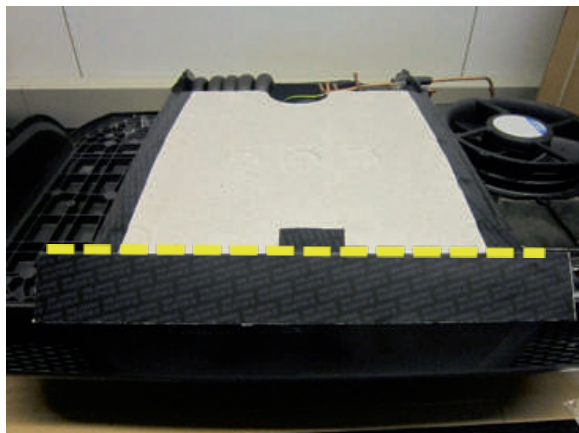
Also the EPS housing handles must be completely sealed with the EURASOL tape.



**Figure 26**

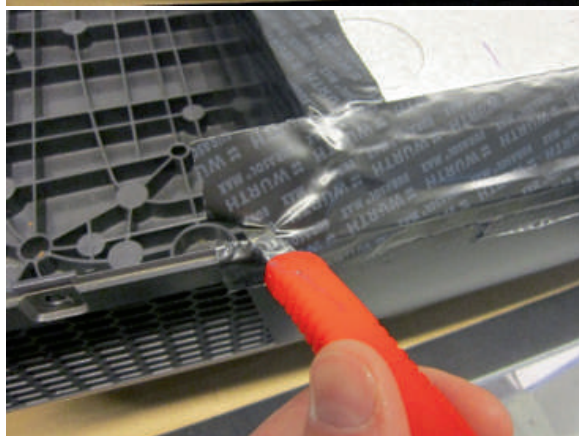
## 9.9 COOLAIR RTX REWORK KIT

### STEP 1 – SEALING ON THE TOP



**Figure 27 & 28 & 29:**

- Apply the 450mm EURASOL tape.
- Take as reference the edge on the EPS.

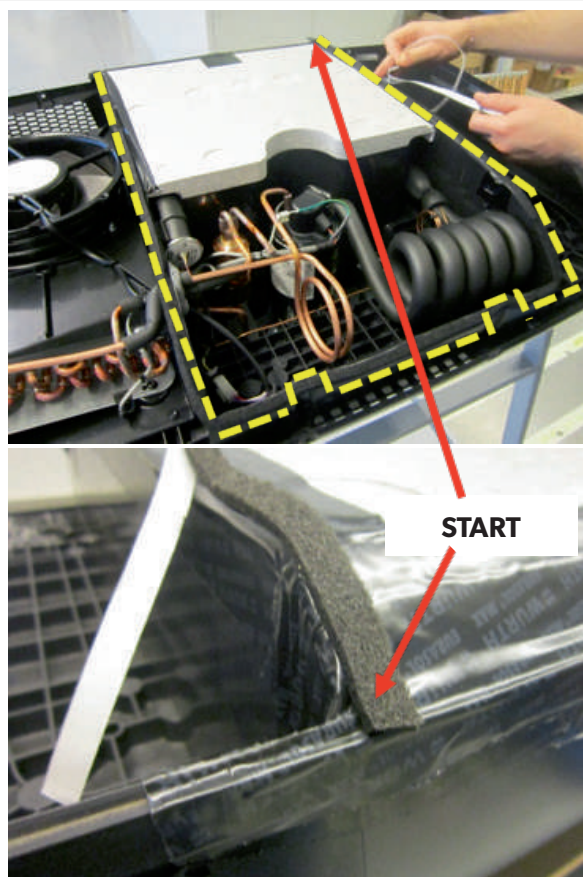


- Cut and blend the EURASOL tape.



## 9.9 COOLAIR RTX REWORK KIT

### STEP 1 – SEALING ON THE TOP

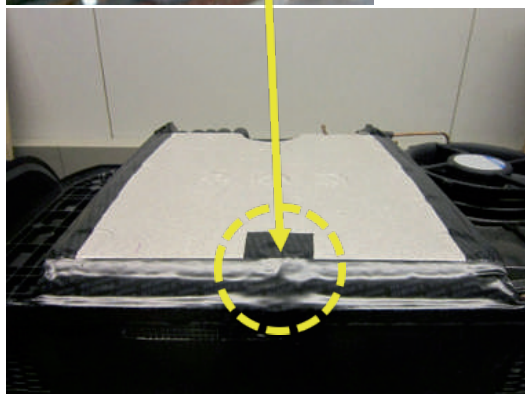


**Figure 30:**

- Restore the 1700 mm VKP tape over the EURASOL tape on the appropriate locations circulating.
- Install the VKP tape at the front of the parking cooler along the contours as shown in the picture.
- Start gluing the VKP Tape at the edge as shown in the picture.

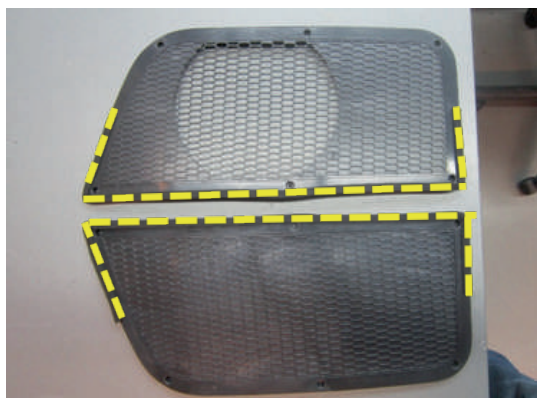
## 9.9 COOLAIR RTX REWORK KIT

### STEP 1 – SEALING ON THE TOP



**Figure 31:**

- Make a hole to let the cover fit in the base-plate.



**Figure 32:**

- Remove the air grids from the cover and apply a 700 mm long piece of VKP tape on each grid (as shown in the picture).
- Put the air grids back into the cover.

**Attention!**

**When mounting the air grids tighten the screws with a torque of max. 0,5 Nm. Otherwise the screws might get over tightened.**



**Figure 33:**

- Fit the top cover with the seven screws with a torque of 1,5 Nm. Otherwise the screws might get over tightened.





## 9.10 COOLAIR RTX REWORK KIT

### STEP 2 - EXCHANGE OF DISPLAY



**Figure 1:**

- Remove the cover frame with the four screws.



**Figure 2:**

- Remove the four screws of the black grid.



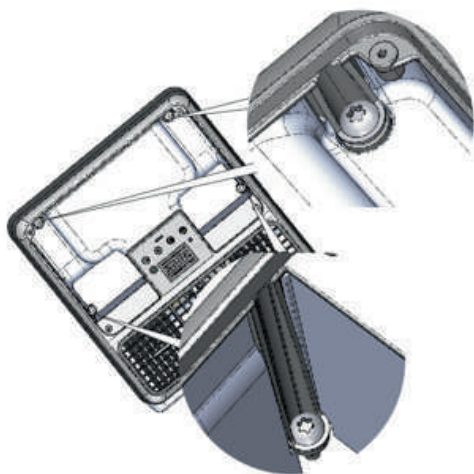
**Figure 3:**

- Remove the black grid from the air box diffuser.



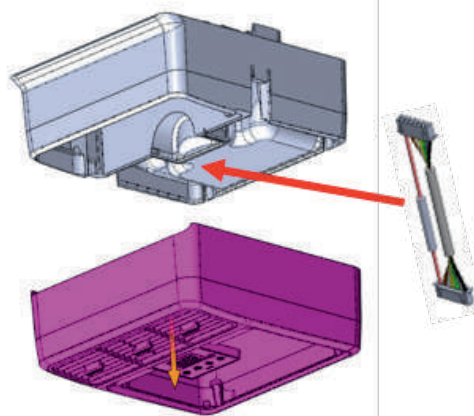
## 9.10 COOLAIR RTX REWORK KIT

### STEP 2 - EXCHANGE OF DISPLAY



**Figure 4:**

- Remove the four screws from the corner of the black air box diffuser.

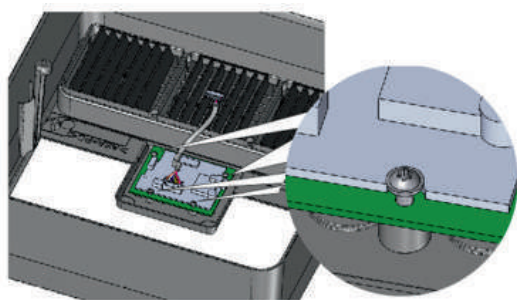


**Figure 5:**

- Remove the air box diffuser from the roof.

**Attention!**

There is a wiring to connect the display PCB to the main board.  
Be careful to remove it from the Mainboard.



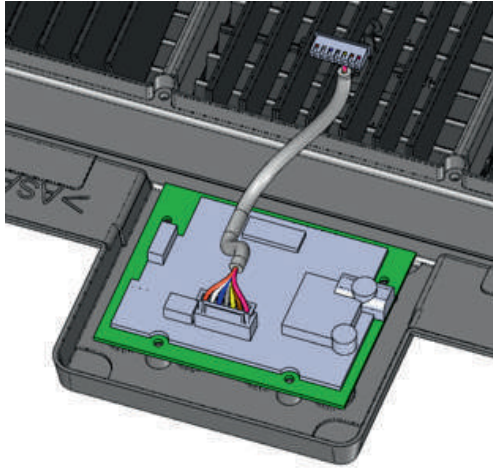
**Figure 6:**

- Remove the four screws from the PCB display and dispose them.



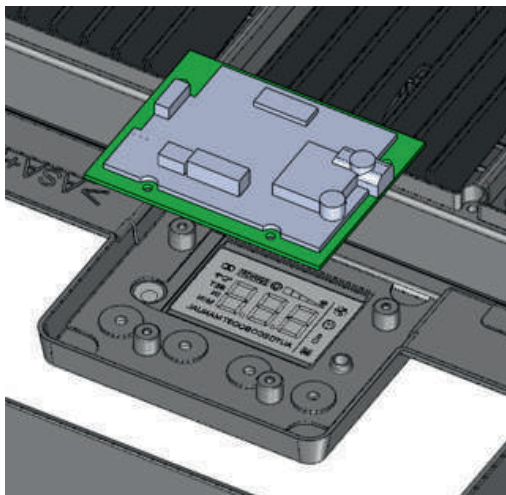
## 9.10 COOLAIR RTX REWORK KIT

### STEP 2 - EXCHANGE OF DISPLAY



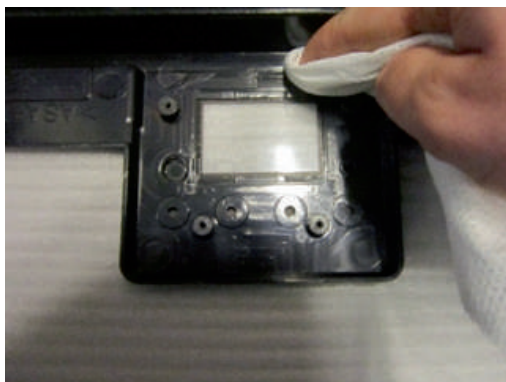
**Figure 7:**

- Remove and dispose the old display cable.



**Figure 8:**

- Remove and the old PCB display.  
Keep the old PCB and send it back to Dometic.  
(See documents)

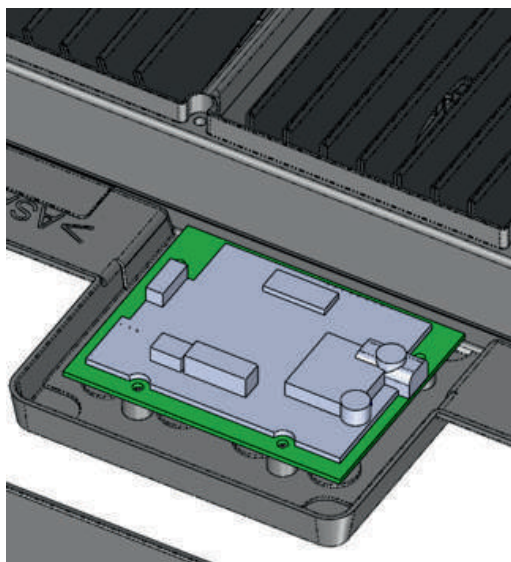


**Figure 9:**

- Clean the support surface with the degreaser.

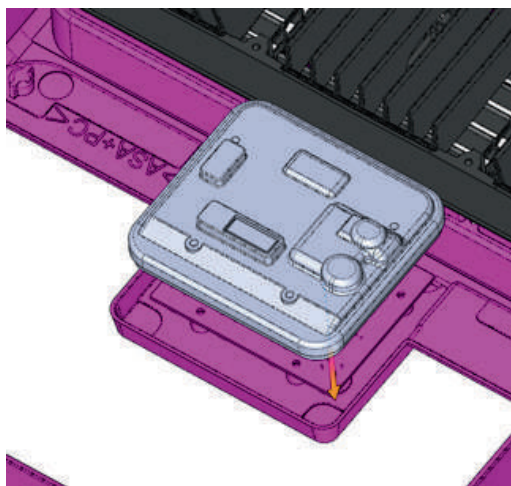
## 9.10 COOLAIR RTX REWORK KIT

### STEP 2 - EXCHANGE OF DISPLAY



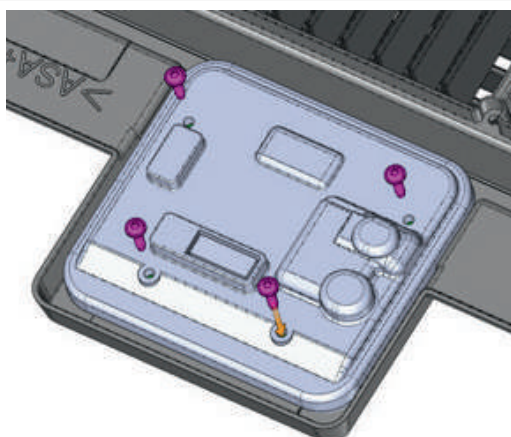
**Figure 10:**

- Fit the new PCB display in his place.



**Figure 11:**

- Assemble the cover in the PCB display.



**Figure 12:**

- Fix the cover with the (new) four 3x12 mm screws.
- Tighten the screws to max. 0,5 Nm and make sure that the gasket is evenly tightened.

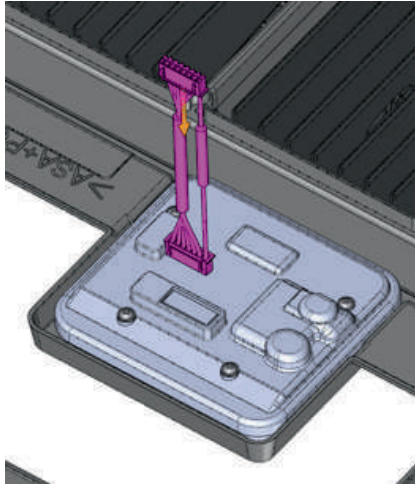
**Attention!**

**Do not use a powered screwdriver for this operation.**



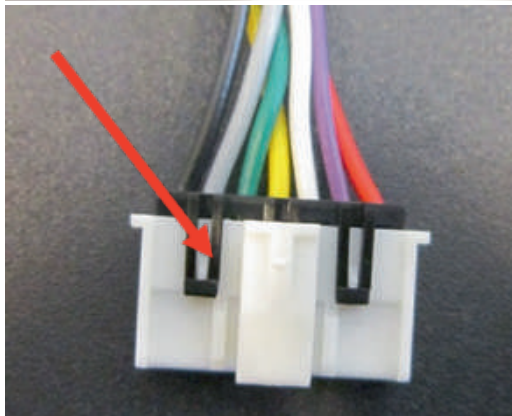
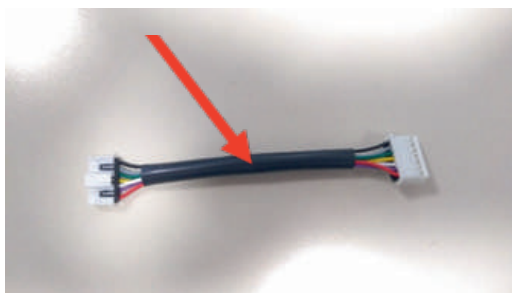
## 9.10 COOLAIR RTX REWORK KIT

### STEP 2 - EXCHANGE OF DISPLAY



**Figure 13:**

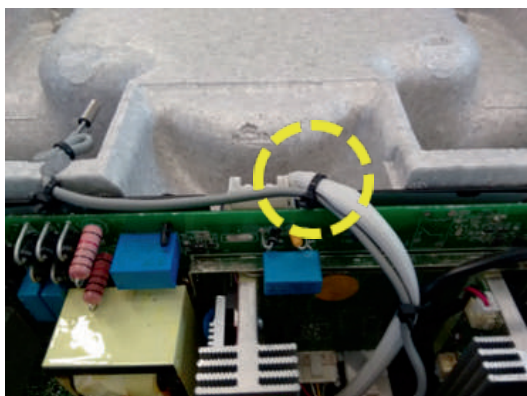
- Plug the new cable in the PCB display.



**Figure 14 & 15:**

**Attention!**

Make sure to use the new PCB display cable with the black sleeve and the black snaps.



**Figure 16:**

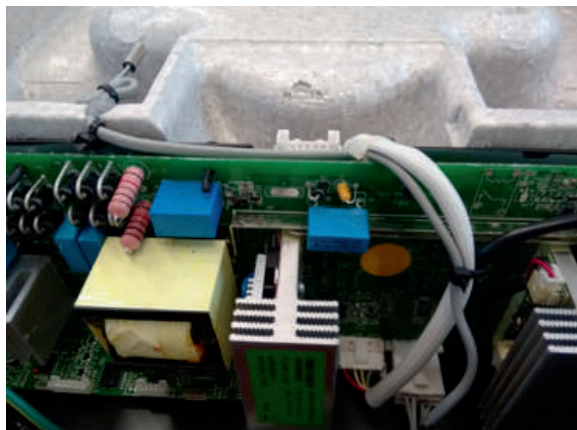
- Move the original cable.
- Cut the black plastic cable tie.





## 9.10 COOLAIR RTX REWORK KIT

### STEP 2 - EXCHANGE OF DISPLAY



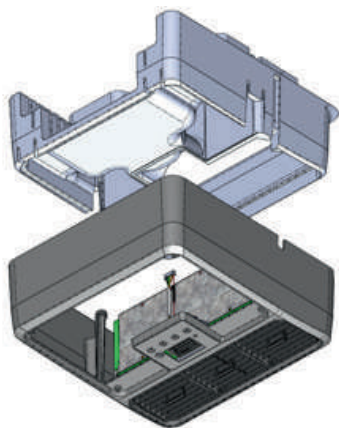
**Figure 17:**

- Fix the wiring with a new plastic clamp in a new position as shown in picture.



**Figure 18:**

- Please check from the picture how to fix the wiring trough the plastic cable tie.

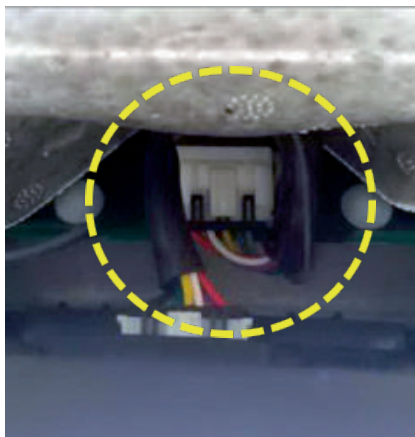


**Figure 19:**

- Install the air box diffuser on the roof top unit.

## 9.10 COOLAIR RTX REWORK KIT

### STEP 2 - EXCHANGE OF DISPLAY

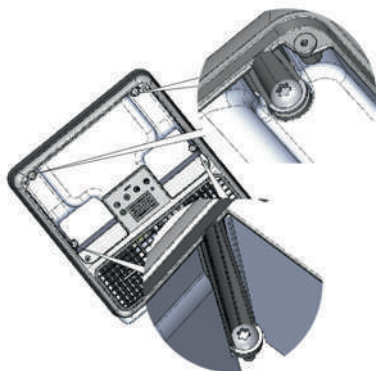


**Figure 21:**

- Plug the new cable on the connector.

**Attention!**

**Do not squeeze the cable during the fixation of the air box diffuser.**



**Figure 22:**

- Flx the four screws of the black air box diffuser.
- Tighten the screws to max . 1,5 Nm.  
Otherwise the screws might get over tightened.



**Figure 23:**

- Fix the grid with the four screws.
- Tighten the four screws to max. 1,0 Nm.  
Otherwise the screws might get over tightened.



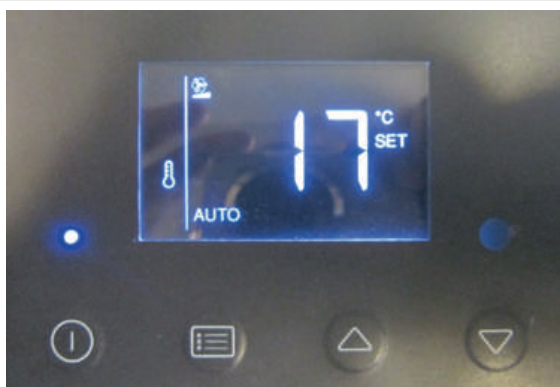
## 9.10 COOLAIR RTX REWORK KIT

### STEP 2 - EXCHANGE OF DISPLAY



**Figure 24:**

➤ Install the cover frame with the four screws handtight.



**Figure 25:**

➤ Connect the parking cooler to the plug and test the display function with the following five steps:

**Step 1:** push: on



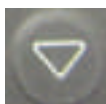
**Step 2:** push: menu



**Step 3:** push: up



**Step 4:** push: down



**Step 5:** push: off (3s)

