

# Assembly Instructions M8148-EN

**Spare parts VFC-51, power supply and fan electrical part Vario-5**

## Contents

Precondition .....	2
Procedure .....	2
Preparation .....	3
Fan power supply (O/ID 27596) .....	4
Power supply (O/ID 27582).....	4
Printed circuit VFC-51 (O/ID 27305) .....	5
Inspection .....	6
Parts list.....	6

## Precondition



### **WARNING!**

#### **Danger for unauthorized persons!**

Conversion work may only be carried out by specialist staff who have been trained accordingly.

Therefore:

- Keep unauthorized persons away from the work area.



### **NOTE!**

*Knowledge of the Instruction Manual is a precondition for carrying out conversion work on the unit.*

## Procedure



### **DANGER!**

#### **Danger to life caused by electric current!**

Touching conductive parts causes a direct danger to life.

Therefore:

- Remove the plug from the mains before carrying out any work on the unit.



### **WARNING!**

#### **Danger of crushing due to rolling away or tipping**

With an uneven floor or when the castors are not locked, there is a danger that the unit tips over or rolls away causing crushing.

Therefore:

- Only install the unit on an even floor.
- Ensure that the castors are locked.

## Preparation

1. Proceed as follows to cool down the system and carry out mould evacuation:
  - Select module no. "VCn" with the **⏪** or **⏩** key.
  - Display menu page **Functions**.
  - Select the **Cooling** parameter and activate with the **OK** key.
  - Select the parameter **Mould evacuation** and press the **OK** key.

→ The activated function is indicated with the **✓** symbol.
2. Switch off all main switches, unplug the mains plug and empty the switching unit.
3. Removing the covers of the switching unit (see Operating instructions: chapter Maintenance).
4. Remove the 12 screws, (label 1 → Fig. 1) from the electrical part and then lift the cover (label 2 → Fig. 1).
5. Disconnect fan cable from VFC-51 (A11) and remove cover (label 2 → Fig. 1).

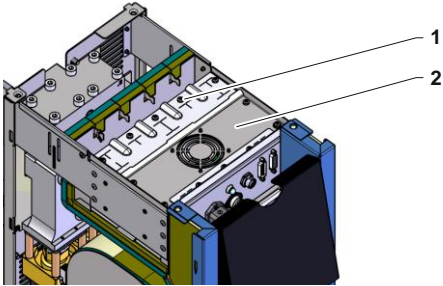


Fig. 1: Access to electrical part components

## Fan power supply (O/ID 27596)

1. Carry out preparation (→ page 3).
2. Proceed as follows in order to replace the fan (EV 1):
  - Remove the 4 screws of the fan (EV 1).



### WARNING!

#### Safety risk due to wrong mounting of the fan!

Wrongly mounted fans can lead to overheating or to total breakdown of the electronics.

Therefore:

- Mount the fan with the air exit (arrow) in direction of the ventilation slots in the cover.

- Mount the replacement fan (EV 1) with the 4 screws.
3. Connect fan cable from VFC-51 (A11) and fit the cover.
  4. Fix the cover of the electrical part with the 12 screws.
  5. Carry out inspection (→ page 6).

## Power supply (O/ID 27582)

1. Carry out preparation (→ page 3).
2. Proceed as follows to disassemble the power supply (TC 3):
  - Remove all connectors from the power supply (TC 3).
  - Remove 4 screws (label 1 → Fig. 2)
  - Remove the power supply (TC 3) from the housing.
3. Proceed as follows to mount the power supply (TC 3):
  - Fix the replacement VFC-51 (A 3) in the electrical part with 5 screws (label 1 → Fig. 2).
  - Connect all connectors to the power supply (TC 3).

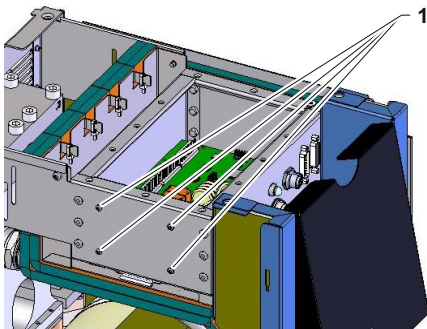


Fig. 2: Power supply Vario-5

4. Connect fan cable from VFC-51 (A11) and fit the cover.
5. Fix the cover of the electrical part with the 12 screws.
6. Carry out inspection (→ page 6).

### Printed circuit VFC-51 (O/ID 27305)

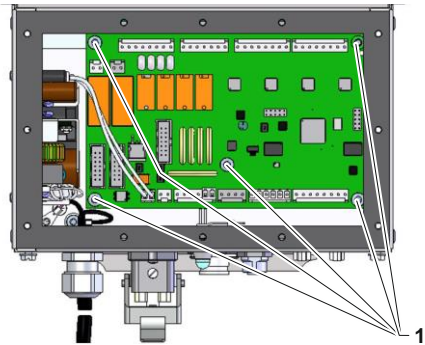


Fig. 3: Top view electrical part Vario-5

1. Carry out preparation (→ page 3).
2. Proceed as follows in order to remove the VFC-51 (A11):
  - Remove all connectors of the VFC-51.
  - Remove 5 screws (label 1 → Fig. 3) on the VFC-51 (A 11).
3. Proceed as follows in order to mount the VFC-51 (A11):
  - Fix the replacement VFC-51 (A 11) in the electrical part with 5 screws (label 1 → Fig. 3).
  - Connect all connectors to the VFC-51 (A 11).

4. Connect fan cable from VFC-51 (A11) and fit the cover.
5. Fix the cover of the electrical part with the 12 screws.





#### NOTICE!

After replacing the VFC-51 (A11) a new switching unit is recognized (→ operating instructions, chapter, Registering new switching units)

6. Carry out inspection (→ page 6).

## Inspection

1. Proceed as follows for inspection:
2. Plug all main plugs and switch on the main switch.
3. Switch the system on with the  key and check functioning.
4. Switch the system off with the  key.
5. Switch off all main switches.
6. Fit the covers correctly on the switching unit.

## Parts list

Pos	Description	O/ID	O/ID		
			27305	27582	27596
			Pcs	Pcs	Pcs
01	Printed circuit VFC-51	27304	1	-	-
02	Power supply 90-264 VAC/24 VDC, 60 W	27528	-	1	-
03	Fan axial 24 V	27530	-	-	1
04	Assembly instructions German	M8148-DE	1	1	1
05	Assembly instructions English	M8148-EN	1	1	1
06	Assembly instructions French	M8148-FR	1	1	1