



Down-Draft cooker hood EDD 9660.0

Problems and solutions

Service Manual: H5-51-01

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1. Safety



Danger!

***Repairs may only be carried out by a qualified electrician!
Improper repairs can be extremely dangerous for the user.***

It is essential that you observe the following instructions in order to prevent electric shocks:

- The casing and the frame may be live in the event of faults!
- Touching live components inside the appliance may cause dangerous currents to flow through your body!
- Disconnect the appliance from the mains prior to carrying out any repair work!
- When inspecting live parts, a residual current circuit breaker must always be used!
- The earthed conductor resistance may not exceed the resistance specified in the standard! It is vital for ensuring the safety of persons and the functioning of the appliance.
- On completion of repairs, an inspection must be carried out in accordance with VDE 0701 [Association of German Electrical Engineers] or the corresponding regulations for your country!



Attention!

It is essential that you observe the following instructions:

- The appliances must be disconnected from the mains prior to all repairs. If inspections must be carried out on live appliances, make sure you use a residual current circuit breaker.



Sharp edges: use protective gloves.



Components may be electrostatic!
Observe handling regulations!

**Attention!**

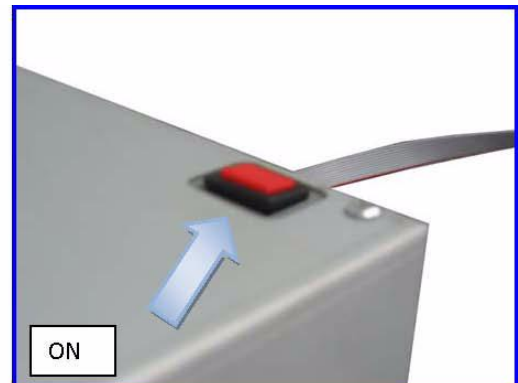
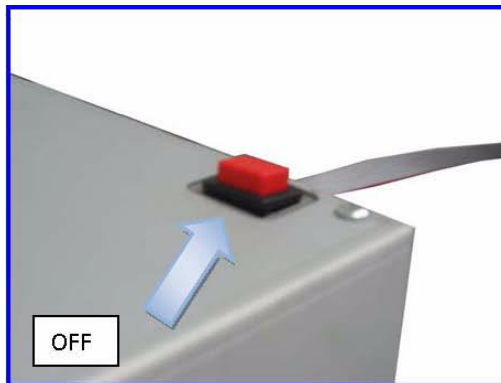
Connecting the appliance to the mains and repairing and servicing the appliance may only be carried out by a qualified electrician according to currently-valid safety regulations. For your own safety, do not allow anyone other than a qualified service technician to install, service or repair the product.

2. The extractable downdraft unit does not open and the suctioning system does not work

2.1 Check if the network voltage is working

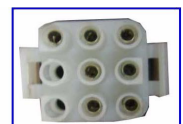
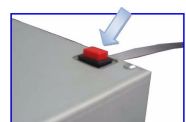
Make sure that the magnetic circuit breaker (safety cut-out) is not tripped and that eventual protection fuses are not damaged. In this case, we recommend to contact a professional electrician to repair the failure.

2.2 Check if the red power button is in ON position



2.3 Check if the red power button is in on position

- Disconnect power supply by pressing the red button in the electrical system box.
- Release the movable connector wires by removing the black sheath.
- Check if the connector inner contacts are inserted properly, with the help of a screwdriver. Carry out this check in both the movable and the fixed connectors.



- There are only the following 7 wires in the 9-pole connector:

Grease filters panel presence buttons

PIN 3 RED

PIN 6 BLACK

Magnetic safety circuit breaker

PIN 4 YELLOW

Actuator

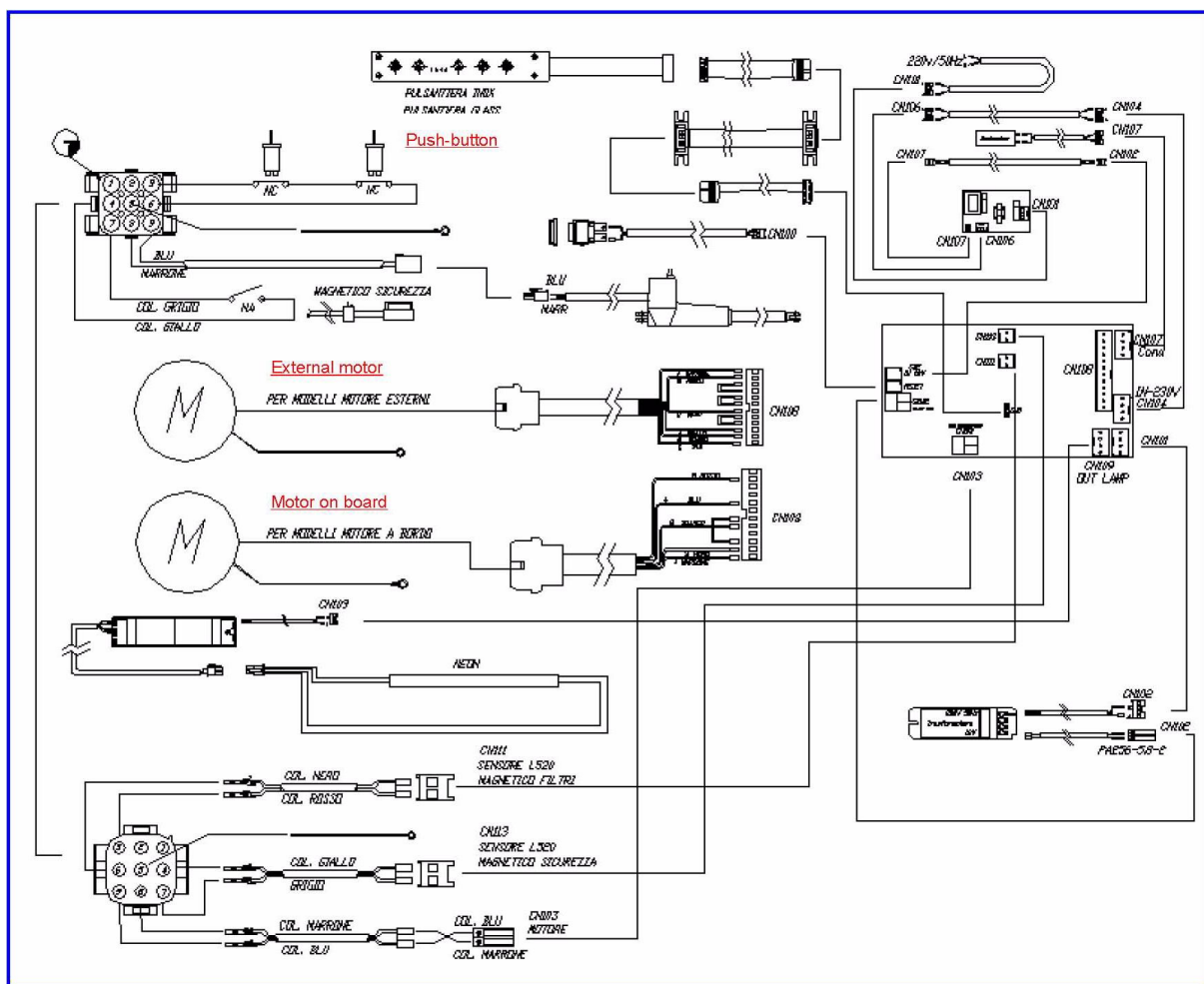
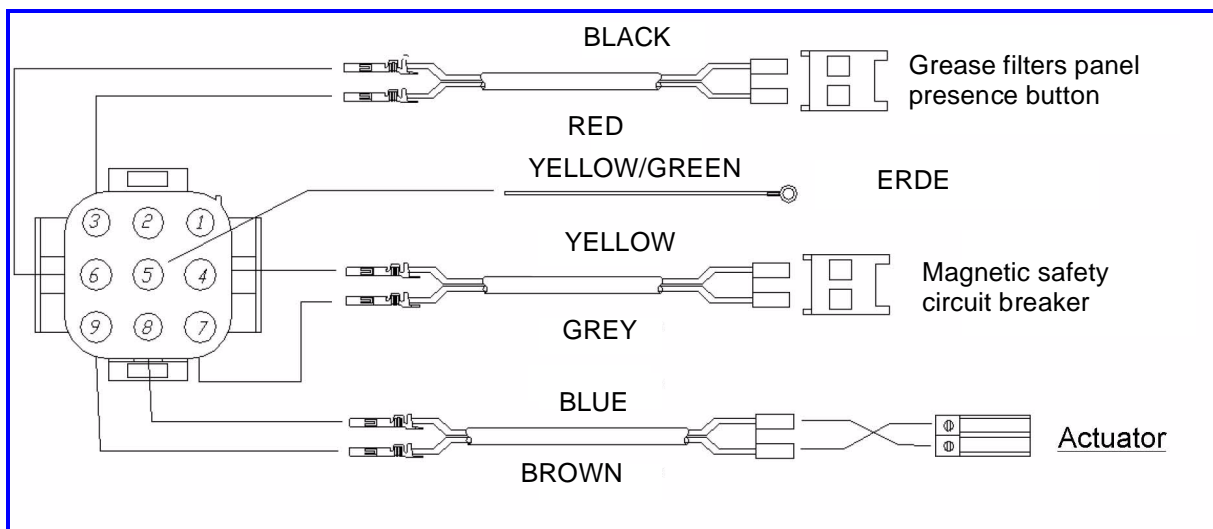
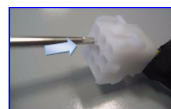
PIN 7 GREY

PIN 9 BROWN

Ground connection

PIN 8 BLUE

PIN 5 YELLOW/GREEN



2.4 Check if the grease filters panel presence button is working properly

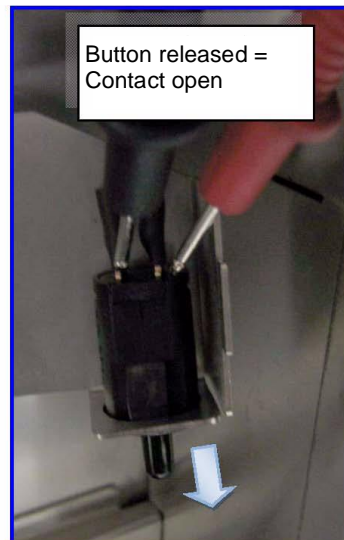
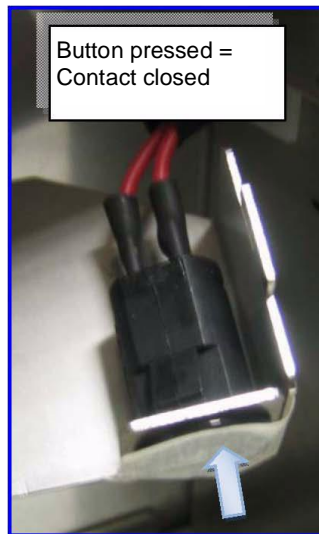
The downdraft is equipped with buttons, placed behind the grease filters covering panel which, in case of malfunctioning, prevent the downdraft from starting any functions.

- Lift the extractable downdraft unit up, by pressing the on/off key.
- Remove the grease filters covering panel.

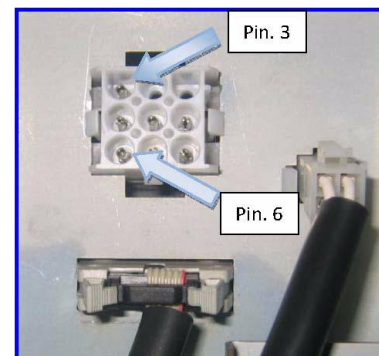


- Remove the right and left hinge covers by pulling outwards.
- By using a multimeter and in the continuity mode, check if the button is working properly.

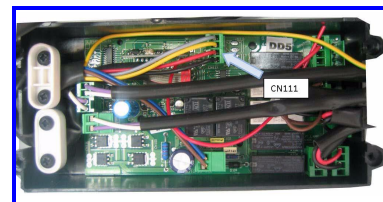




- Repeat the test by inserting the test prod into pins 3 and 6 of the 9 pole connector, placed in the downdraft lower body.



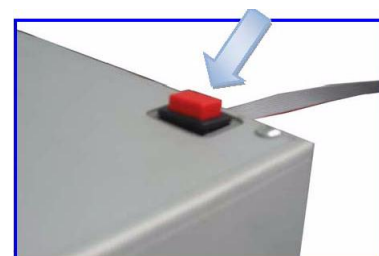
- Repeat the test by inserting the test prod in CN111 connector of the main board, placed in the electrical system box.
- If the button must be replaced, it is necessary to use an original spare part.



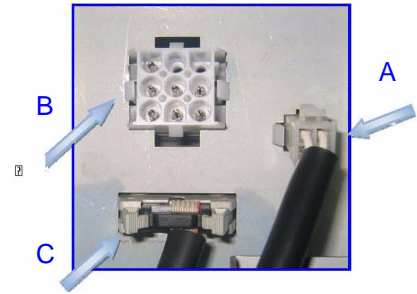
2.5 Check if the panel is unhooked

If the extractable unit is closed and the panel accidentally unhooks, causing the opening of the contact of the filters panel position, it is necessary to hook it again in order to restore operation.

- Disconnect the downdraft from the power supply.



- Disconnect the lamps cable (A), the 9- pole cable (B) and the push-button cable (C).



- Remove the brackets which fix the downdraft to the cabinet.



- In case of internal motor version, remove the motor fixing screws and remove the suctioning unit.



- In case of external motor version (EM) remove the air-outlet flange.



- Lift the downdraft up from the cabinet.

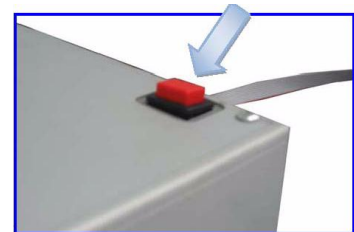


- Remove the front body panel.
- Hook it again, by pressing simultaneously on both sides of the panel.
- After having remounted the body front panel, and before placing the downdraft again into the cabinet, we recommend to check the downdraft operation.

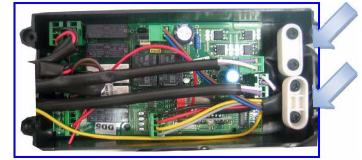


2.6 Replace the electrical system board

- Disconnect power supply.
- Remove the electrical system box cover.
- Find the main board box.

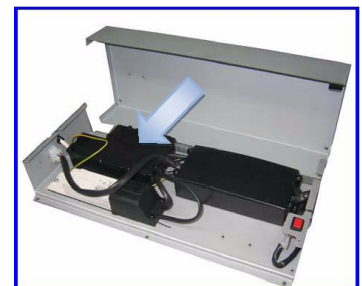
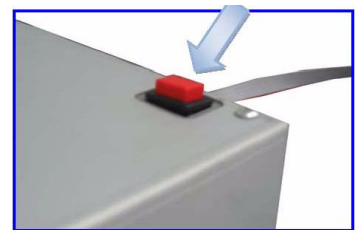


- Remove the plastic cover screws.
 - Remove the fairlead.
-
- Disconnect the connectors one by one, paying special care in reconnecting them properly in the new board.

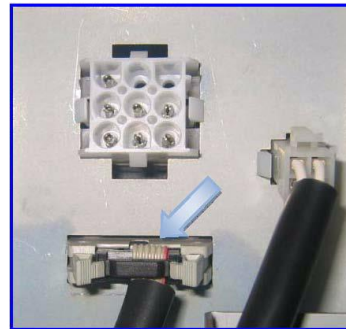


2.7 Replace the power supply electrical board

- Disconnect power supply.
-
- Remove the electrical system box cover.
-
- Find the main board box.



- Remove the plastic cover.



- Disconnect the connectors one by one, paying special care in reconnecting them properly in the new board.



2.8 Check the push-button panel connector connection inside the wiring

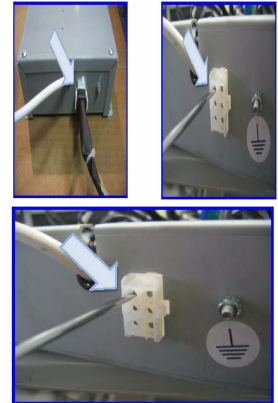
- Check if the push-button grey connector in the connectors panel is inserted properly and if there are any bent pins inside the connector.
- Check if the push-button flat cable inside the electrical system box is connected properly to the main board.
- Check if the flat cable inside the right column of the extractable unit is connected properly to the connector. In order to do this operation, it is necessary to remove the upper front side.



3. Suctioning speeds do not correspond to the keys pressed or some speeds do not work at all.

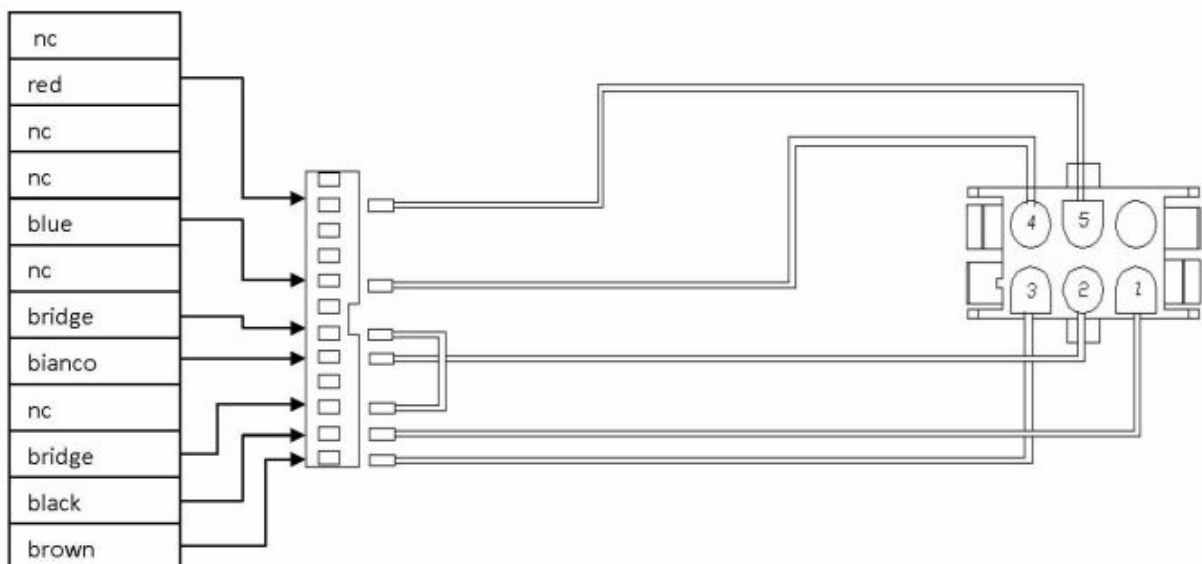
3.1 Check if the 6-pole suctioning unit connector or the sem power pack connector are connected properly

- By using a screwdriver, check if the inner contacts of the fixed connector, placed in the electrical system box, as well as the movable connector, found in the suctioning unit, are all inserted properly.
- Open the electrical system box and check if the suctioning unit connections, in the green connector, are correct.

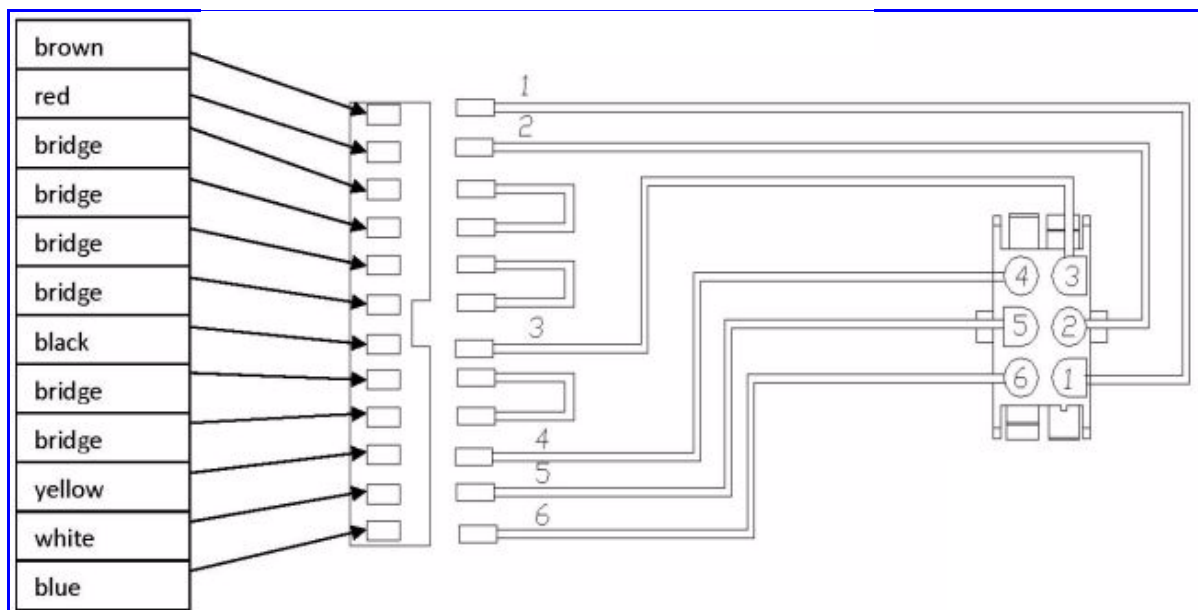


3.2 Check if the suctioning unit 6-pole connector wires in the electrical system board are connected properly

- For internal motor version, check the connections accordingly to the following diagram.



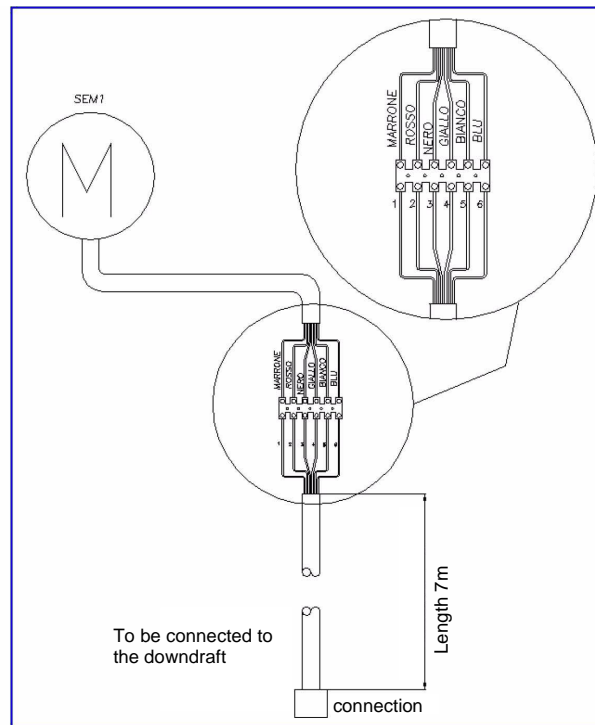
- For external motor (EM) version, check the connections accordingly to the following diagram.



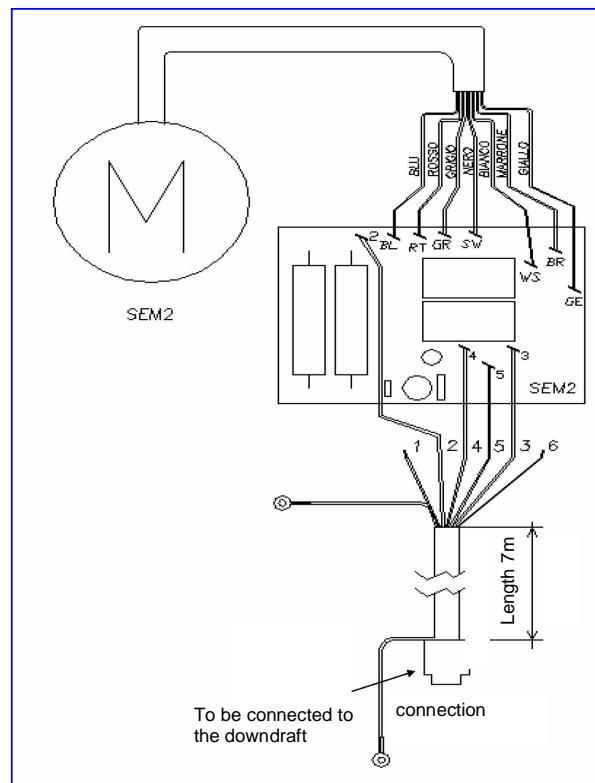
- In case of connection with sem external power packs, make sure that the 7 m-cable used to connect the cooker hood to the external motor is not cut or damaged (tempered).

Check the connections in such a case:

External motor without SEM



External motor with SEM





-

- 

3.4 Replace the sem external power pack in case of external motor (em) version

- It is necessary to use a new power pack and follow the installation procedure detailed in the SEM installation manual.

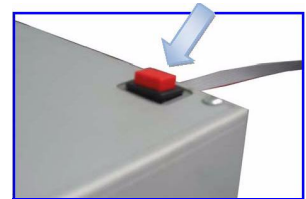


Attention!
Never cut the connecting cable during installation operations!

4. The stainless steel body liner is damaged

4.1 Replace the body liner

- Disconnect the downdraft from power supply.
- Remove the brackets which fix the downdraft to the cabinet.
- In case of internal motor version, remove the motor fixing screws and remove the suctioning unit.
- In case of external motor version (EM) remove the airoutlet flange.



- Lift the downdraft up from the cabinet.
- Reconnect the connectors and lift the extractable unit up.



- Remove the upper front panel.



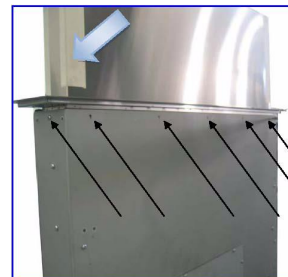
- Disconnect the flat cable.



- Remove the body liner fixing screws placed in the rear and lateral side.



- Before removing the body liner from the extractable unit, we recommend to use protective adhesive paper in order to avoid the extractable unit to be scratched.



- Remove the body liner.



5. The extractable unit opens, but the suctioning system does not work at any speed

5.1 Check if the 6-pole suctioning unit connector or the sem power pack connector are connected properly

- See Chapter "Check if the suctioning unit 6-pole connector wires in the electrical system board are connected properly" on page 13.

5.2 Replace the main electrical system board

- See "Replace the electrical system board" on page 10.

5.3 Replace the suctioning unit (if the downdraft is equipped with an internal motor)

- See "Replace the suctioning unit in case of internal motor version" on page 16.

5.4 Replace the external (sem) power pack if the downdraft is equipped with an external motor

- See chapter "Replace the sem external power pack in case of external motor (em) version" on page 17.

6. The suctioning system works but the extractable unit does not open

6.1 Check if the electrical system connectors are connected properly

- See "Check if the red power button is in on position" on page 5.

6.2 Check the internal connection of the actuator

- Remove the suctioning unit or the pipe flange in case of external motor version (see "Check if the red power button is in on position" on page 5).

- Remove the downdraft from the cabinet.



- Find the actuator connection in the right side opening of the suctioning unit.
- Check if the 2-pole connector for the actuator feeding is inserted properly and that pins inside the connector are crimped properly.

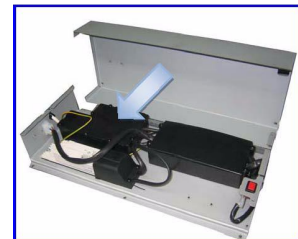


6.3 Check if the electro-mechanic transformer placed inside the electrical system box is working properly

- Remove the electrical system box cover.



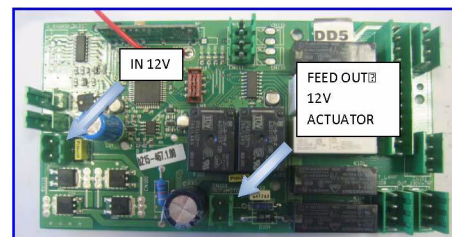
- Find the electro-mechanic transformer.



- Check if 12V are in the electro-mechanic transformer secondary.



- Carry out the same test in the CN102 and CN103 connectors, in the main electrical system board, with the connector inserted.



6.4 Replace the actuator

- Remove the suctioning unit or the pipe flange in case of external motor version (see "Check if the red power button is in on position" on page 5).
- Disconnect the connectors in the downdraft lower panel.



- Remove the downdraft from the cabinet.



- Remove the body front panel.



- Remove the actuator connection cover.



- Remove the actuator screw placed in the lower side, by using two 17mm spanners.



- Unscrew the screw placed in the upper side.

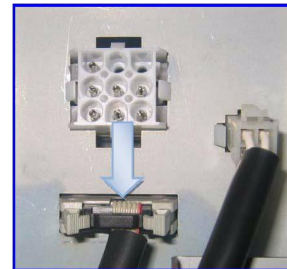


- Remove the actuator and replace it with a new one.

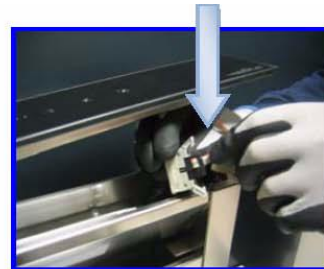
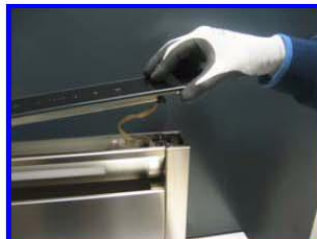


7. The touch control panel does not light up

7.1 Check if the connector is connected properly.

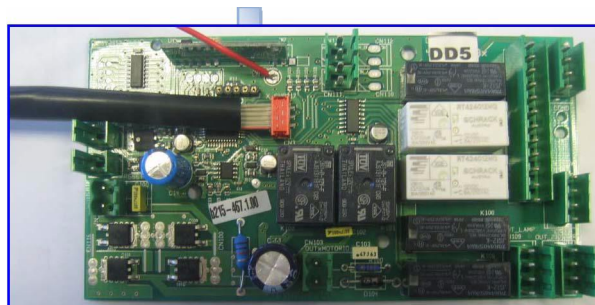


7.2 Check if the connector inside the extractable unit column is connected properly.



- Remove the upper front panel and check if the connector is inserted properly.

7.3 Check if the flat cable inside the main board is connected properly.



7.4 Replace the push-button panel.

In case of **glass front panel version**, since the push-button panel is glued in, it is necessary to replace the entire front panel.

- Remove the upper front panel.
- Disconnect the flat cable.
- Replace the upper front panel with the push-button panel.



In case of **stainless steel front side version**, it is possible to replace only the push-button panel.

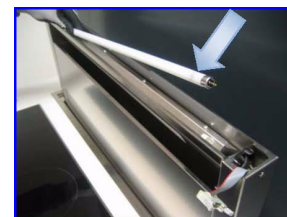
- As for the glass version, it is necessary to remove the front panel by unscrewing the two side screws.
- Disconnect the flat cable connector of the push-button panel.
- Unscrew the two dowels which fix the push-button bracket.
- Remove the push-button support.
- Remove the push-button stainless steel cover.
- Remove the push-button panel and replace it with a new one.
- Remount the push-button cover, the push-button bracket and related connections.



8. Lighting does not light up

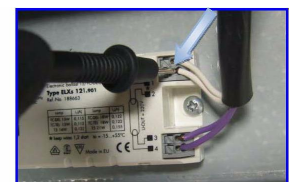
8.1 Replace the neon lamp (tube)

- Remove the upper front panel.
- Disconnect the flat cable.
- Remove the neon tube and replace it with a new one.
- Remount the upper front panel and reconnect the flat cable; then check the neon tube operation.



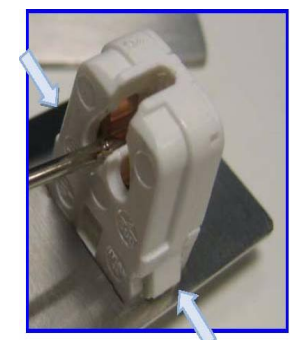
8.2 Check that the neon tube supports are not damaged and are connected properly.

- Unscrew the neon tube support by removing its screws.
- Check if wires inside the neon tube holders contacts are inserted properly.
- Carry out an electric continuity test between the neon tube holders and the ballast inside the electrical system box.
- Place a test prod in one of the neon tube holders contacts and check the ballast continuity inside the electric system box.
- Carry out the same test in all the four ballast prods.

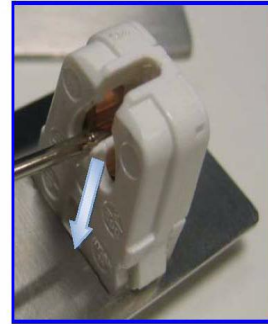


8.3 Replace the neon tube supports

- In case one of the neon tube support is broken, it is necessary to replace it with a new one.
- Disconnect power supply.

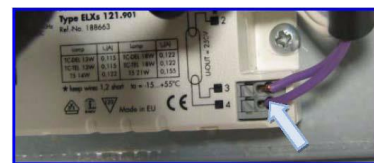


- Disconnect the wires of the neon tube holder to be replaced, by using a suitable tool.
- Push the tongues placed in the upper side of the neon tube holder and remove the component by moving it downwards.



8.4 Replace the ballast.

- Disconnect the ballast wires by using a screwdriver and pushing on the side shown in the figure.
- Remove the fixing screws and replace the ballast with a new one.



8.5 Replace the main electrical system board.

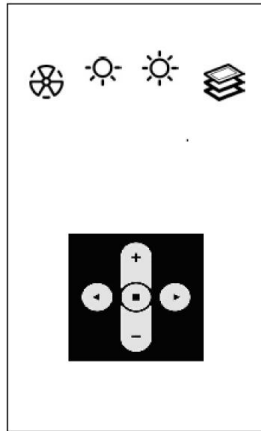
See "Replace the electrical system board" on page 10.

8.6 Replace the Touch control.



See "Replace the push-button panel." on page 23.

9. Configuration of the remote control

Procedure.



Please proceed as follows:

1. Press button ◀ or ▶ until symbol  appears.
2. Press button  and keep hold for 5 seconds.
3. The remote control is now configured.