

Troubleshooting

The vacuum cleaner does not switch on

- Is the plug of the vacuum cleaner plugged into the socket?
- Is there power in the socket?
- Is the low voltage cable connected to the vacuum cleaner?
- Does the vacuum cleaner switch on if you try another inlet? If the vacuum cleaner does switch on, the fault is in the inlet. Remove the inlet, and check the wiring.
- The vacuum cleaner has overheat protection devices that may have tripped. Wait ten minutes until the unit cools down. If the protections trip again, contact the service workshop.
- Has the units own fuse blown?
- The main fuse must be 10 A.

NOTE:
230 V ELECTRICAL WORKS MAY BE PERFORMED ONLY BY A PROFESSIONAL WHO IS AWARE OF ALL SAFETY REQUIREMENTS.

Beam Electrolux ZCV

Properties of Beam Electroluz ZCV circuit board:

1. Soft start

The start-up peak has been limited by a TRIAC relay, this produces a ca 1 sec delay of power supply to the motor. After the start-up the voltage is considerably lower, and the load to the fuses, the network and the motor are reduced.

Low voltage LED Autopolarity *2

The green low voltage LED on the machine's cable connector is switched on always when the power is switched on (i.e. the plug is in the socket).

Hours counter *3

Applying the EEPROM technology (non-variable memory) the circuit board registers two types of time, that the user may check only by looking at a separate LED on the protecting cover of the circuit board.

a. Short time b. Total time

Time used	Colour of the LED	Meaning	Measure to be
15 hours	Green (Slow flashing, same in all stages after 15h)	The vacuum system has been used for 15 hours after the last resetting	Replace /check the dust bag and push the reset button for 5 seconds.
0 - 399 hour	Green	Less than 400 working hours	-
400 - 499	Orange	More than 400 working hours	Maintenance / inspection
Over 500 hours	Red	More than 500 working hours	Service the motor

4. Self-test

After connecting the power supply the circuit board will perform a self test; if everything is in order, the LED will flash quickly for a few seconds.

5. Switch-off delay

There is a two (2) seconds delay in the switch-off system in order to ensure complete emptying of the pipelines and the hose after the switch-off.

6. Reset/demo switch *6

Perform the following operations:

Function	Measure	Result
Test/demo	Press and release the switch in less than 5 seconds	The circuit board performs the self-testing function and goes through all the stages of the previous table (see Table 1).
Partial reset	Press the switch for more than 5 seconds when the motor is not running	The system resets the 15 hours timing and the flashing LED (3) switches on in the constant mode.
Total reset	Press the switch for more than 30 seconds when the motor is running	The system resents the total time count.

7. Automatic Fuse *7

The circuit board is equipped with an automatic fuse (the button with the text "circuit breaker"). Push the button to reset.

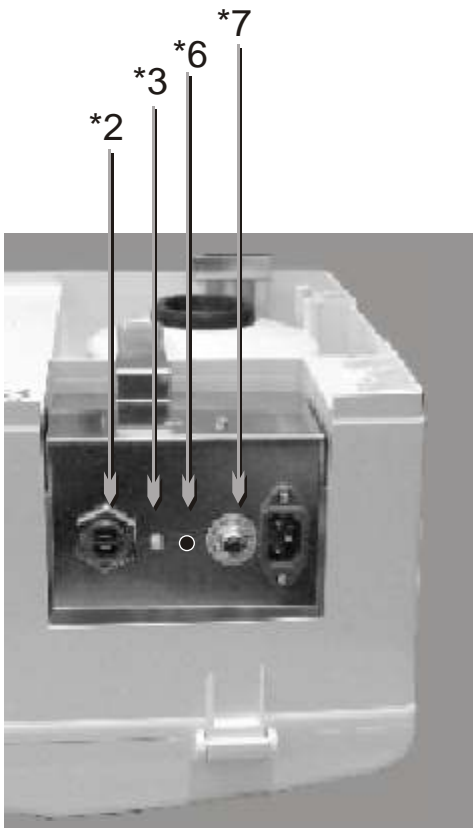
Suction power is poor

- Are all the wall inlets properly closed?
- Has something stuck to the wall inlet?
- Is the dust bag full?
- Is the machine cover properly closed?
- Is the suction pipe clogged?
- Is the hose clogged?
- Is there a leak in the piping?

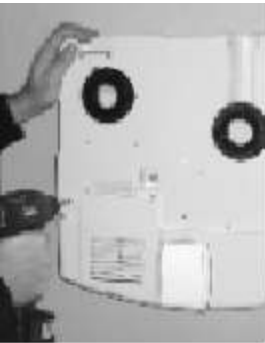
Maintenance and spare parts

If your vacuum cleaner needs maintenance, or if you need spare parts, please note the technical specification on the machine plate. Write the information here, where you can always easily find them.

Model _____
Product No. _____
Serial No. _____
Purchasing date _____
(Keep the receipt)



Installing the ZCV unit



1. Fasten the filtering unit with four screws in their intended places. Use wall props according to the material of the wall.



2. Tighten the mounting screws.



3. Attach the low voltage cable connector to the counter-piece of the filtering unit. The connector of the low-voltage cable is in a separate package.



4. Take the latches off the suspension hooks.



5. Push the central unit vertically against the filtering unit. Push the central unit towards the filtering unit.



6. Set the central unit straight towards the filtering unit. Check that the rubber parts behind the unit coincide with the counter-pieces.



7. Place the locking latches back. Support the central unit with one hand to prevent it from falling.



8. Push the latches fully down.



9. Place the other latch back. Repeat the operations under 6 and 7.



10. Connect the low voltage cable and the supply cable to the machine.



11. When filter is replaced / flushed. Push the locking latch lightly up. At the same time push the cover lightly inward.



12. Pull the cover out and push it slightly down.



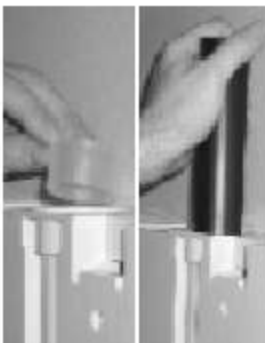
13. Pull the filter out in a slightly slanted position, in which it has been installed. Replace in the same position. The filter slightly slanted. If you flush the filter do not forget to dry it before reinstalling.



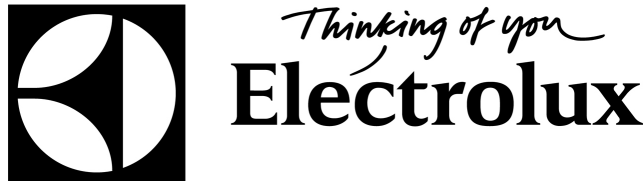
14. Push the upper edge of the filter cover to its place. Push the lower edge shut, and pull the locking latch with your finger lightly back in its place. (You will hear a soft click).



15. If additional wall inlets are added to the system the plug on the upper edge of the unit is to be removed. This allows to take additional wall inlets from the filtering unit, e.g. behind the wall or to the other rooms.



16. Using the original 42 mm polypropene pipe a packing ring must first be installed in the connector hole. Installation may be started also from the corner piece.



OPERATING MANUAL



Read this manual before starting the use of the vacuum cleaner

Contents

Safety instructions / Technical specification	2
Installation manual / maintenance of the central vacuum cleaner	3
Additional information	4
Troubleshooting / circuit board	5
Installation	6

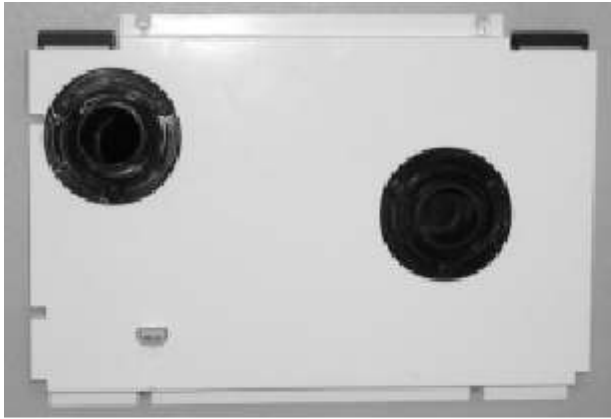
Save this manual for future reference

Important safety instructions:

- NB! Read all safety instructions and warning texts before starting the use of the vacuum cleaner.

 - This central vacuum cleaner is intended for dry vacuuming, do not use it for cleaning up liquids.
 - Do not operate the vacuum cleaner next to a source of smoke, live coals, fire or hot ashes.
 - Do not operate the vacuum cleaner in rooms where there can be inflammable or easily combustible liquids or gases.
 - Always when you change the dust bag, or when performing the maintenance of the unit pull out the power plug.
 - When disconnecting the plug hold the plug, never pull the cord.
 - The plug and the socket must be in a visible place.
 - The main fuse shall be 10 A.
 - Do not install the vacuum cleaner in an excessively confined space. Minimum space requirement (mm) 490 x 570 x 700 (w x d x h).
- Do not clean up sharp objects, like glass fragments or needles, because they can puncture the hose.
 - The central unit must not be covered.
 - Follow the operating instructions carefully.
 - Maintenance of the vacuum system may be performed only by an authorised technical service workshop. Use only spare parts and accessories recommended by the manufacturer. Never try to modify the vacuum system in any way.
 - Never use the central vacuum cleaner when its electrical cables are damaged. The central vacuum cleaner is equipped with a special cable, that must be always replaced with a cable of the similar type, these can be ordered from authorised workshops.
 - Remember a central vacuum cleaner is not a toy.
 - Never operate the vacuum cleaner without a dust bag.
 - Cleaning up of construction or gypsum dust as well as ashes is explicitly prohibited, unless a preseparator is installed.

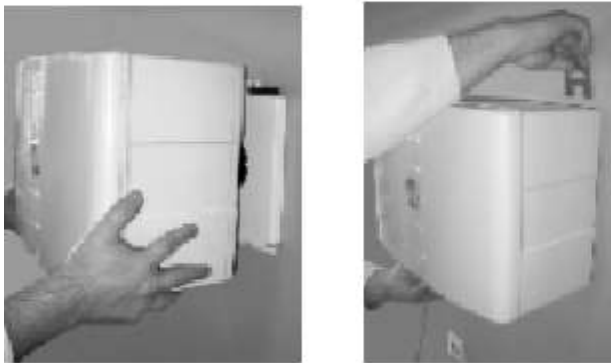
Installation of the central vacuum system



Installation of the wall holder
The wall holder is fastened to the wall through four fastening points. For fastening the frame on block or plasterboard walls use specially designed fixtures. In case of surface mounting or installation on ready surfaces it is recommended to use the available surface-mounting fixtures.

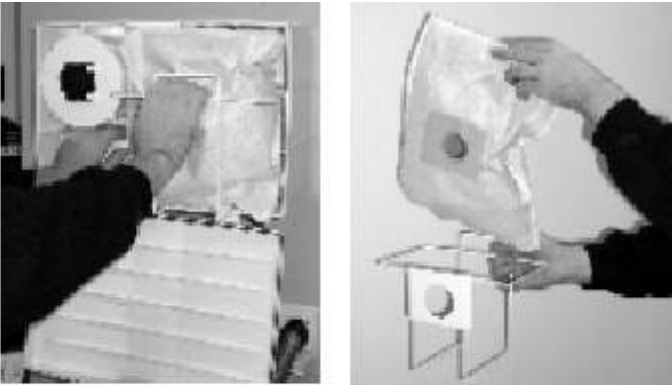


Mounting of the central unit on the wall holder
The central unit is mounted on the wall holder using the suspension hooks on the unit.

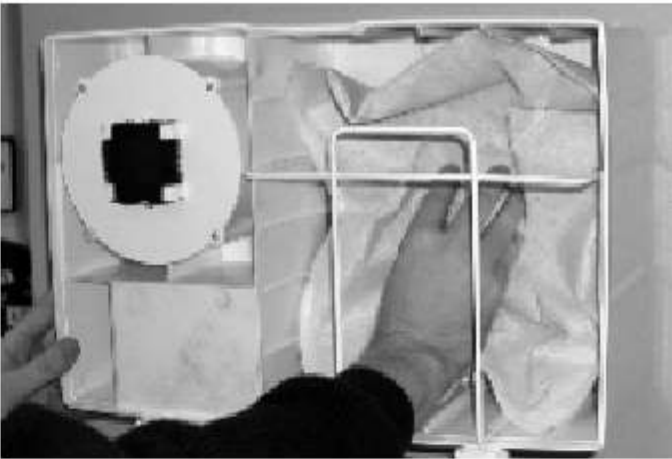


Assembly of the central unit
Push the unit on the wall holder slightly supporting it with your hand and pushing the unit backwards. Connect the low-voltage cable connector to the counter-piece of the wall holder. Check that the suspension hooks are evenly on the rubber parts of the wall holder. Lock the locking latches of the suspension hooks. Connect the low-voltage cable connectors to the central unit.

Maintenance and dust bag replacement



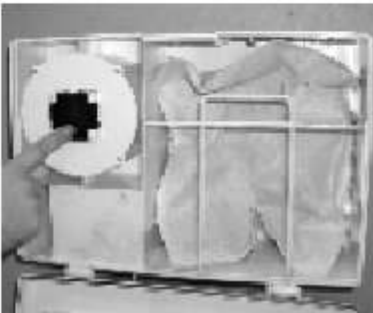
- The dust bag is replaced as follows:**
1. Pull the dust bag rack directly out of the unit. If necessary support the unit body with your hand, if the rack feels stuck.
 2. Remove the dust bag from the rack.
 3. Install a new bag on the rack. Push the cardboard collar of the bag into the grooves of the rack's collar-holder.



4. Push the rack with the dust bag back into the unit. Feel with your palm and check through the dust bag that the pipe of the unit is inside the bag. If the rack is not installed properly, the cover of the unit cannot be closed.

Coarse filter

The coarse filter is the last protecting device of the motor. If the dust bag is damaged for one reason or another the coarse filter will prevent dust entering to the motor. If necessary the coarse filter can be cleaned by flushing it with clean running water. After cleaning make sure that the filter is dry before installing it in the unit.



Additional information

Should you need any assistance in designing or installation of the unit, do not hesitate to contact the dealer or the manufacturer at the address shown below.

Notes