SERVICE MANUAL

COOKING

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Built-in ovens

VACUUM SEALER DRAWER

TABLE OF CONTENTS

1 - INTRODUCTION

1.1 - PURPOSE OF THIS MANUAL

The purpose of this Manual is to provide Service information for Built-in Vacuum Sealer Drawer.

1.2 - WARNINGS

- **All work with open appliances must be done with the mains supply disconnected.**
- **Work on electrical equipment should only be carried out by qualified personnel.**
- **Before working on a device, check the efficiency of the system casing using appropriate equipment. As an example, refer to the indications described / illustrated in the portal Electrolux Learning Gateway (http://electrolux.edvantage.net).**

  After the work, carry out electrical safety tests and ensure that the all safety devices are working properly.

- **In the case of manipulation / replacement of the PCB, use the ESD kit (Code 405 50 63-95/4) to prevent electrostatic discharge damage the circuit board see SB No. 599 72 08-09**

2 - TECHNICAL CHARACTERISTICS

2.1 - SPECIFICATIONS

AC line voltage..... 230V / 50Hz
Input power ..... 520 W
External dimensions (WxHxD)..... 595 x 293 x 557 mm
Weight..... 50,9 kg

2.2 - TRANSPORT AND POSITIONING

Handle the machine with the utmost care during transport and positioning!

Do not turn the appliance upside down or tilt it! This may cause oil to leak from the pump and damage the machine.

2.3 - ENVIRONMENTAL CONDITIONS

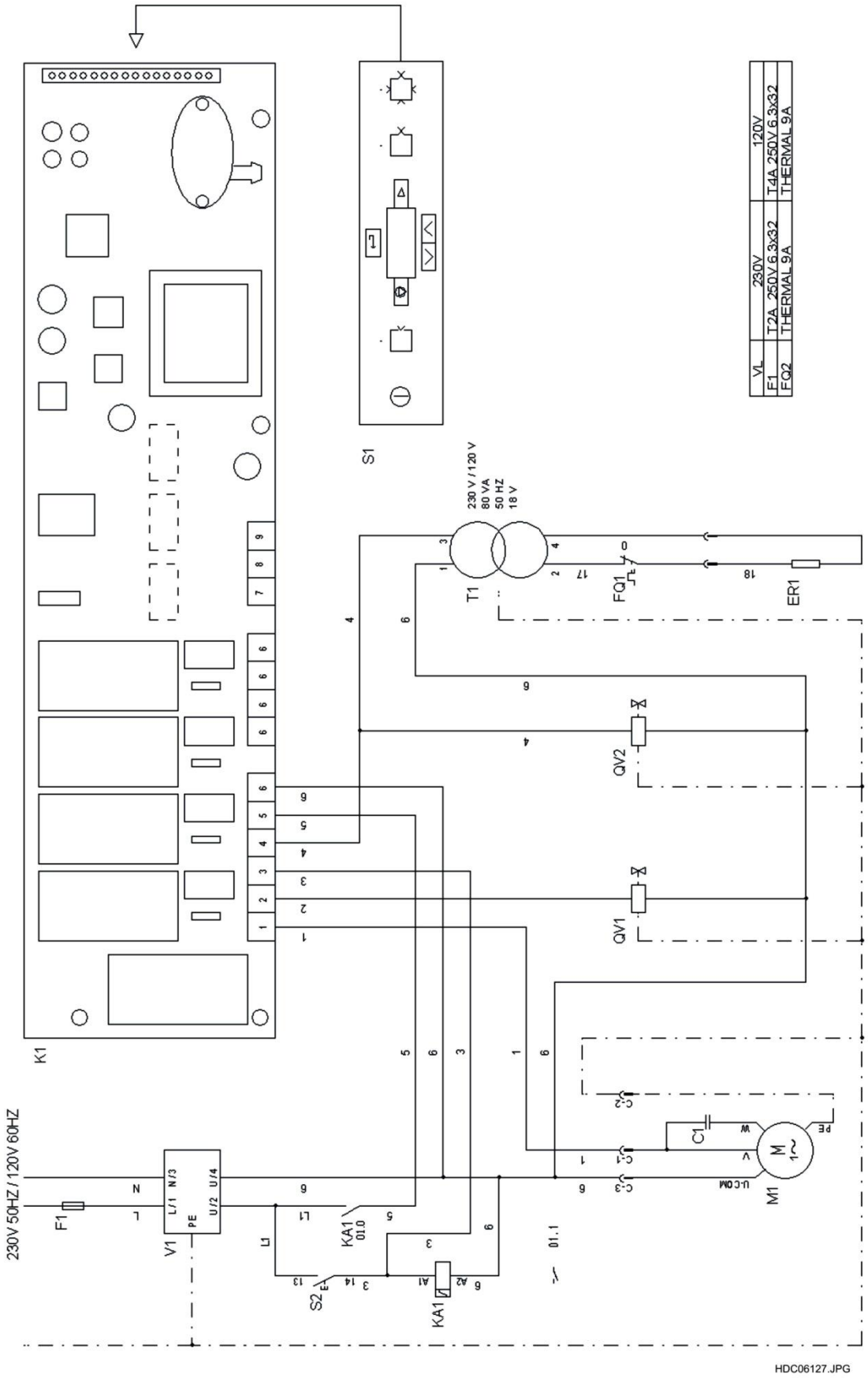
The Vacuum Drawer must be positioned in a suitable environment, without flammable materials, gasses, explosives.

The Vacuum Drawer must only be installed on a smooth, horizontal and non-flammable surface.

Conditions allowed in environments where the machine is located:

- Temperature between + 5°C and + 40°C.
- Relative humidity between 30% and 90% without condensation.

2.4 - ELECTRICAL DIAGRAM



2.4.1 - ELECTRICAL DIAGRAM LEGEND

COMPONENT	FUNCTION
C1	PUMP MOTOR CAPACITOR
ER1	SEALING BAR
F1	LINE FUSE
FQ1	SEALING BAR THERMAL CUT-OFF
K1	POWER BOARD
KA1	RELAY
M1	VACUUM PUMP MOTOR
QV1	AIR RE-IMMISSION VALVE
QV2	SEALING AIRVALVE
S1	MEMBRANE KEYBOARD
S2	PUSHBUTTON SWITCH
T1	SEALING TRANSFORMER
V1	INTERFERENCE SUPPRESSOR FILTER

3 - ACCESSIBLE PARTS

This chapter explains how to access and remove the various parts of the machine.
Depending on the part to be removed, other parts may have to be removed first.
To reassemble a part, follow the instructions in the reverse order.

	**The operations described below must be carried out by staff that are trained and qualified for this type of intervention.** **Before carrying out these operations make sure that the machine has been disconnected from the power supply!**

3.1 - HOW TO ACCESS THE INSIDE OF THE MACHINE

To access the inside of the machine, remove the drawer and disassemble the side panel on the right (Fig.1) and on the left (Fig.2), by unscrewing he fixing screws.

Fig. 1

Fig. 2

Fig. 3

3.2 - CHECKING AND REPLACING THE OIL PUMP

The level and quality of the oil must be checked at least once a year.

The oil inspection cap (C) is used specifically for this purpose. Add oil if the level is too low. Replace the oil if it is dirty.

To change the oil in the vacuum pump, follow the instructions in the pump manual.

Fig. 4

(A) Oil drain plug
(B) Oil filler cap
(C) Oil inspection cap

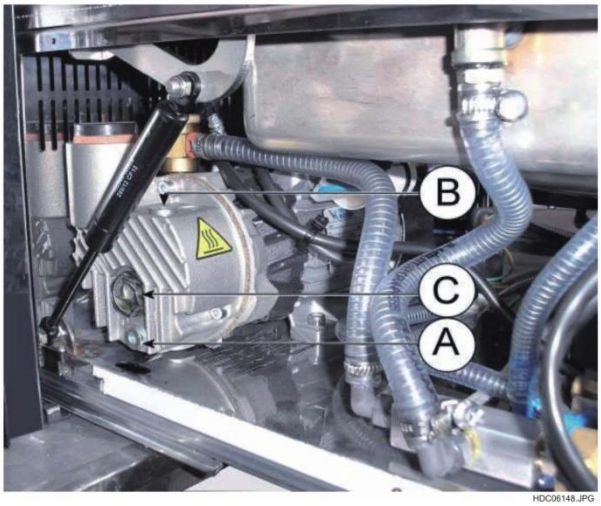


Fig. 4

3.3 - REPLACING THE SEALING BAR

Remove the sealing bar and replace it with the new one (Fig. 5).

Fig. 5

3.4 - CHANGING THE SEALING BAR TEFLON AND STRIP

To change the sealing bar Teflon and strip, first pull out the bar as shown in Fig. 5 and proceed as follows:

- Remove the Teflon adhesive tape
- Undo the 4 fixing nuts of the sealing strip located at the ends of the sealing bar
- Remove the sealing strip
- Fit the new sealing strip, making sure that it is taught before clamping it
- Place the new adhesive Teflon tape on the bar
- Put the sealing bar in its seat.

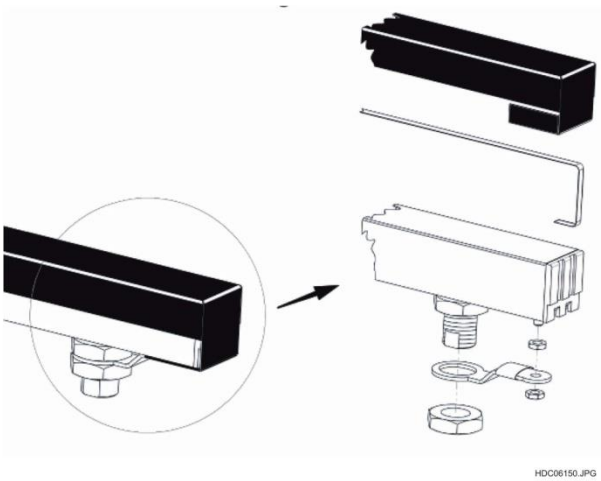


Fig. 6

3.5 - REPLACING THE MEMBRANE KEYBOARD

Disconnect the membrane flat cable from the control board (Fig. 7).

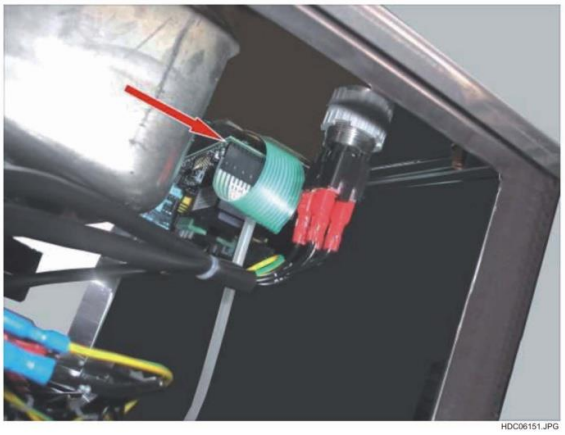


Fig. 7

Detach the adhesive membrane from its housing (Fig. 8).

Fig. 8

Remove the membrane and replace it (Fig. 9).

Fig. 9

3.6 - REPLACING THE SWITCH

Fig. 10

Unscrew the switch locking ring (Fig. 11).

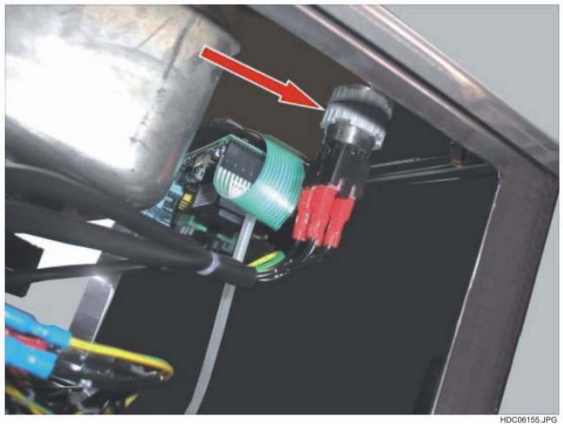


Fig. 11

Unhook the bottom block of the switch (Fig. 12).

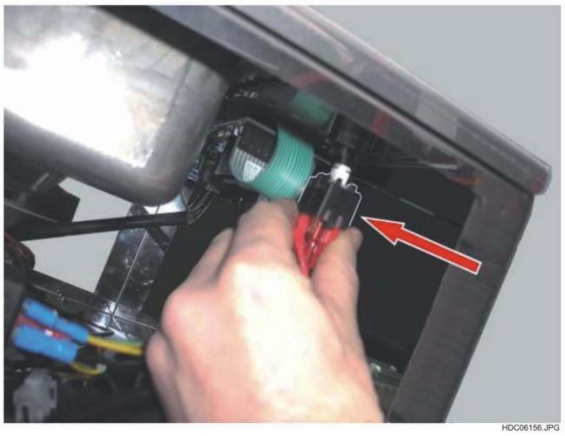


Fig. 12

Disconnect the 4 Faston connectors and replace the switch (Fig. 13).

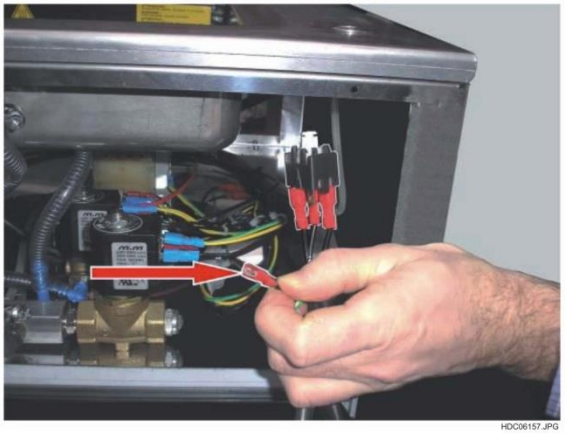


Fig. 13

3.7 - REPLACING THE SEALING MEMBRANE

Disconnect the electrical connection (Fig. 14).

Fig. 14

After having removed the sealing bar, remove the bushing (Fig. 15) and unscrew the membrane fixing nut (Fig. 16).

Fig. 15

Fig. 16

Remove the membrane (A), disconnect the pipe (B) from the fitting underneath it and replace it (Fig. 17).

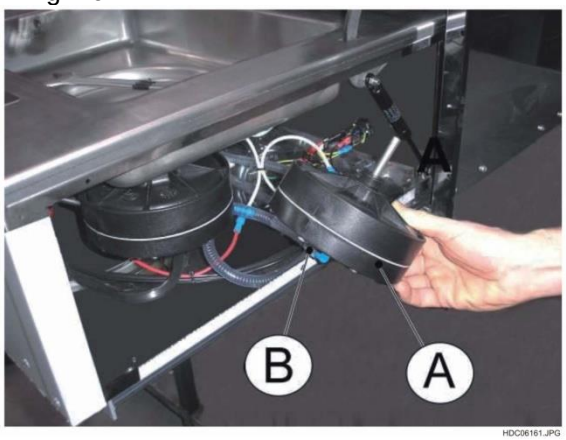


Fig. 17

3.8 - REARMING THE CIRCUIT BREAKER

The machine is equipped with a safety circuit breaker which stops the sealing in the event the maximum time is exceeded.

When the circuit breaker intervenes the button is released and must be reset by pressing it (Fig. 18).

Fig. 18

3.9 - REPLACING THE EXTENSORS

Unscrew the upper fixing nut of the extensor (Fig. 19).

Fig. 19

Unscrew the bottom nut and replace it (Fig. 20).

Fig. 20

3.10 - REPLACING THE COVER

Unscrew the top nut that secures the extensor to the cover lever (Fig. 21).

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Fig. 21

Release the extensor from the threaded pin (Fig. 22).

Repeat the operation on the other side as well.

Fig. 22

Close the cover and undo the 2 screws that secure the lever to the cover (this operation must be carried out on both sides as well) (Fig. 23).

At this point replace the cover

Fig. 23

3.11 - REPLACING THE COVER GASKET

Remove the worn gasket and clean its seat (Fig. 24).

Fig. 24

Insert the new gasket making sure that it is straight and that the ends are joined so as not to leave any gaps that would impede the vacuum operation (Fig. 25).

Fig. 25

3.12 - REPLACING THE SILICONE COUNTER-BAR

Remove the adhesive silicone counter-bar (A) (Fig. 26) from the cover (Fig. 27).

Remove any adhesive residue from the cover, using soap and water only.

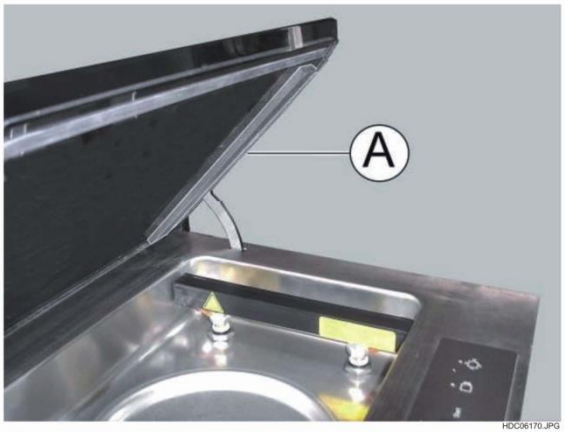

Fig. 26

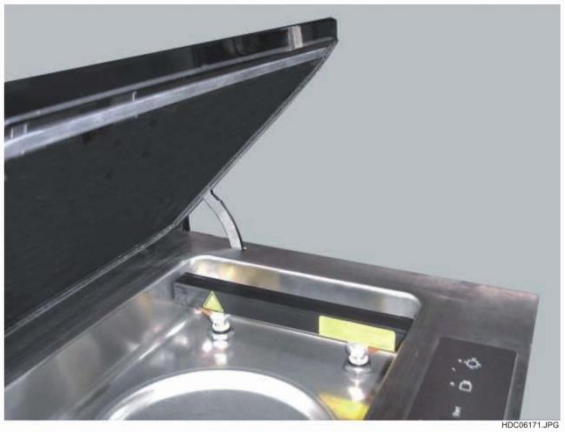

Fig. 27

Lift the sealing bar, as shown in the figure (Fig. 28).

Fig. 28

Remove the protection film from the new counter-bar (Fig. 29).

Fig. 29

Place the new counter-bar (A) on the sealing bar, with the adhesive side facing upwards (Fig. 30).

Fig. 30

Close the cover so that the new counter-bar sticks on in the correct position (Fig. 31).

Fig. 31

Make the counter-bar stick firmly to the counter-bar cover (Fig. 32).

Fig. 32

Push the sealing bar downwards into the normal work position (Fig. 33).

Fig. 33

3.13 - REPLACING THE CIRCUIT BOARD

The circuit board is in the internal part of the machine. In order to replace it, pull out the drawer.

Undo the 2 screws that secure it to the guides (Fig. 34 and 35), remove it and place it on a work surface (Fig. 36).

Fig. 34

Fig. 35

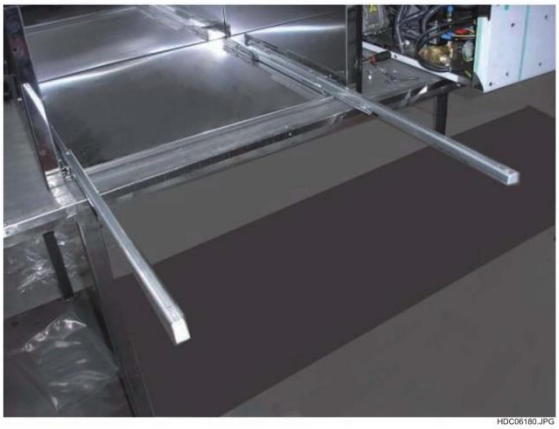

Fig. 36

Undo the 2 screws, located on the front side, which secure the tank to the base (Fig. 37).

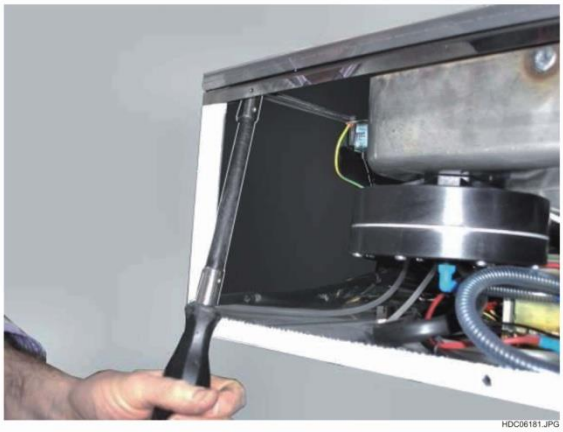

Fig. 37

Lift the tank, inserting a shim between the tank and the base that allows work to be done on the circuit board (Fig. 38).

Fig. 38

Disconnect the flat cable that connects the circuit board to the keyboard (Fig. 39).

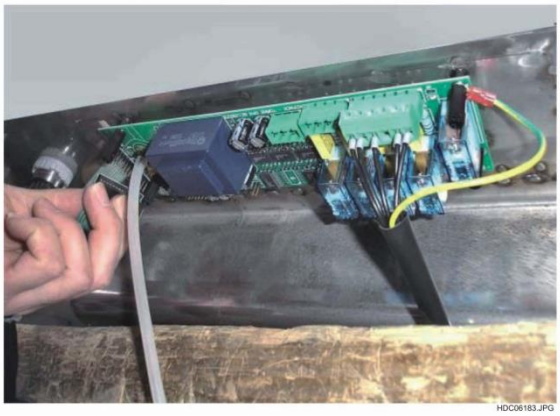

Fig. 39

Disconnect the vacuum sensor pipe (Fig. 40).

Fig. 40

Disconnect the clamp (A) and undo the 4 fixing pins (B) (Fig. 41).

At this point replace the circuit board.

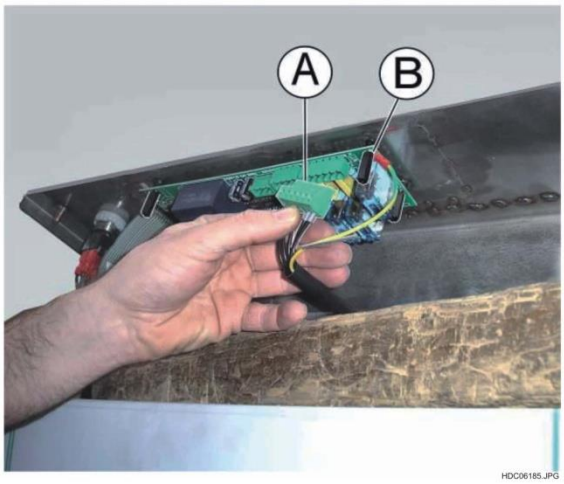

Fig. 41

3.14 - REPLACING THE TRANSFORMER

The transformer is in the internal part of the machine. To replace it, repeat the drawer extraction and tank lifting operations, as indicated in the instructions to replace the circuit board.

After having lifted the tank, disconnect the transformer connection wires (Fig. 42).

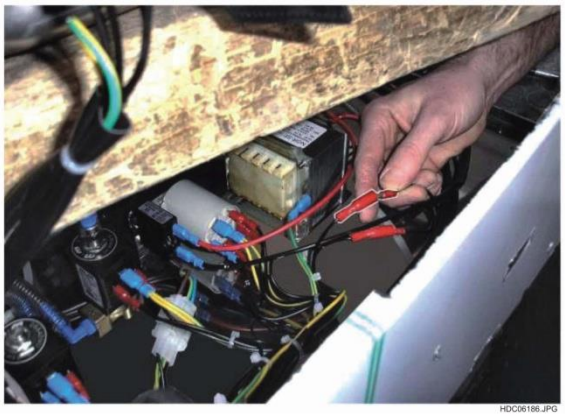

Fig. 42

Undo the 2 fixing screws and replace the transformer (Fig. 43).

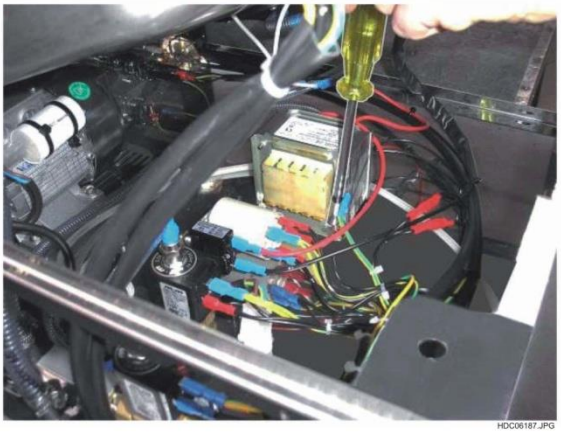

Fig. 43

3.15 - REPLACING THE FUSE

The fuse is at the back of the drawer (Fig. 44).

Fig. 44

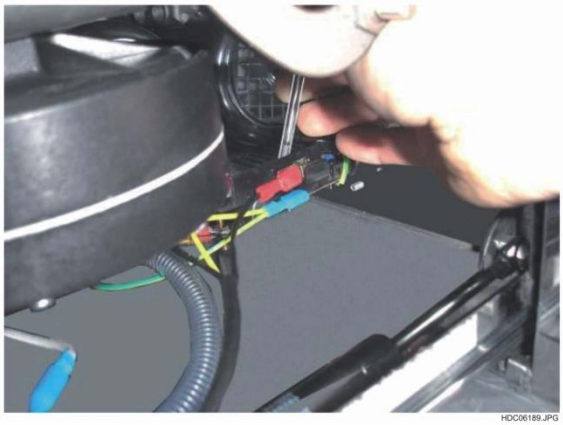

Fig. 45

4 - PROBLEMS AND SOLUTIONS

PROBLEM	CAUSE	SOLUTION
The pouch is not sealed correctly	• The sealing time is not correct. • The cover gasket is dirty or worn. • The pouch is not placed correctly on the sealing bar. • The sealing bar is worn (the Teflon coating is burnt). • The blade placed under the Teflon of the sealing bar is broken.	• Change the sealing time. • Clean or replace the cover gasket • Position the pouch correctly. • Replace the sealing bar. • Replace the blade.
Final vacuum is poor	• The set vacuum percentage is incorrect. • The cover gasket is dirty or worn. • The cover is not closed correctly.	• Change the vacuum percentage. • Clean or replace the cover gasket . • Close the cover correctly. Make sure that objects or dirt are not found between the cover and tank.
The cover does not open	• No power supply.	• Wait until the power supply is restored.

4.1 - ALARM MESSAGES

The appliance detects some alarms, which are displayed with the following messages:

- **OIL**: Replace the pump oil.
- **OFF**: The electronic board is blocked.
- **EAA**: The appliance has not reached the vacuum within the maximum set time (160 seconds). Make sure the cover is closed correctly. The cover has not been closed during the P7 program “Conditioning Program”. Switch the appliance off and on to reset the alarm.
- **FLA**: Power supply voltage is low.

5 - REVISIONS

Revision	Date	Description	Author	Approved by - on
00	10/2013	Document Creation	FV [MINIPACK - TEKA]	