

TORNADO

SERVICE MANUAL

Dryer

TDI-FV9HPWE



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1. SYMBOLS AND DESCRIPTION

This dryer is an eco-sustainable appliance, as it uses a natural refrigerant based on hydrocarbons, which are not harmful to the environment.



This symbol indicates that, if this gas is accidentally released, it does not pollute the environment.



This symbol indicates that the refrigerant used is a highly flammable hydrocarbon. During repair operations, special care must be taken when handling the refrigerant circuit to prevent the gas contained in the compressor from leaking and causing harm to people or property.



This symbol indicates that this appliance uses the principle of condensation to extract water from fabrics, allowing the recovery of the water removed during the drying process.



This symbol indicates that this appliance operates using the nominal mains voltage and that, before carrying out any internal operations, the power supply cable must be disconnected to avoid electric shock.

140g

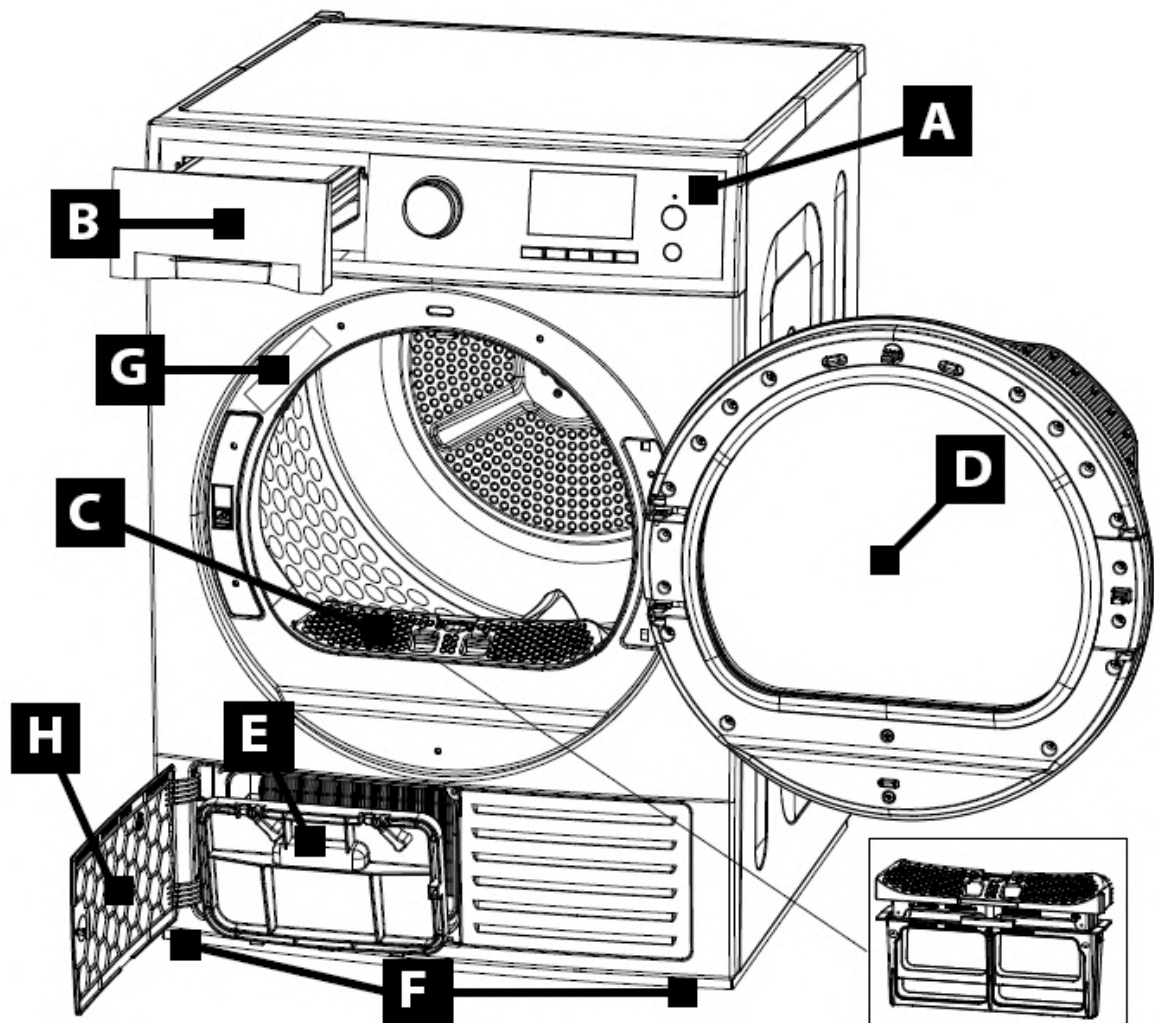
This indication informs that the maximum quantity that can be contained in the appliance is 140 grams.

1.1 Dryer description

The dryer is a thermal machine that uses the principle of condensation to extract water from fabrics.

The condensation process is achieved through the combined action of the fan and the heat pump, which generate a flow of dry air that removes the moisture contained in the fabrics after washing.

Below are the main components that make up the dryer:



- | | |
|--------------------------|------------------------------|
| A Control panel | E Heat exchanger door |
| B Condensate tank | F Feet |
| C Lint filter | G Rating label |
| D Door | H External door |

2. HEAT PUMP

2.1 Operating principle

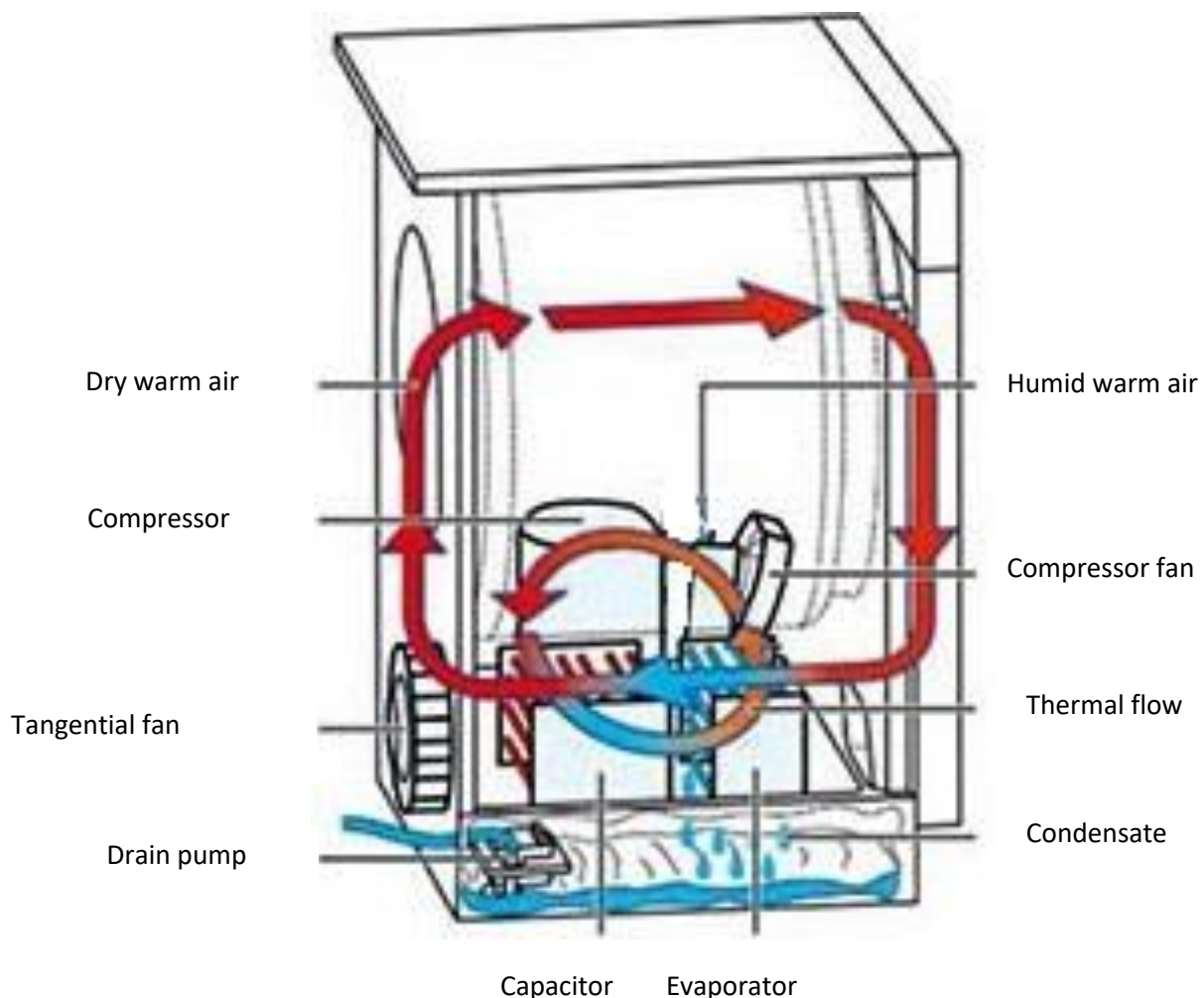
A heat pump dryer works in a similar way to an air conditioner set to heating mode. It is equipped with a motor and a refrigeration circuit that generate heat and distribute it inside the drum. The flow of hot, dry air passes through the fabrics, promoting the evaporation of residual water and drying the laundry.

This process has a dual function:

1. Gently dry the laundry, avoiding thermal stress on the fabrics.
2. Recover the water extracted from the garments in the form of condensate, which is then collected in the dedicated tank.

Dryers with high condensation efficiency can recover more than 80% of the moisture that would otherwise be dispersed.

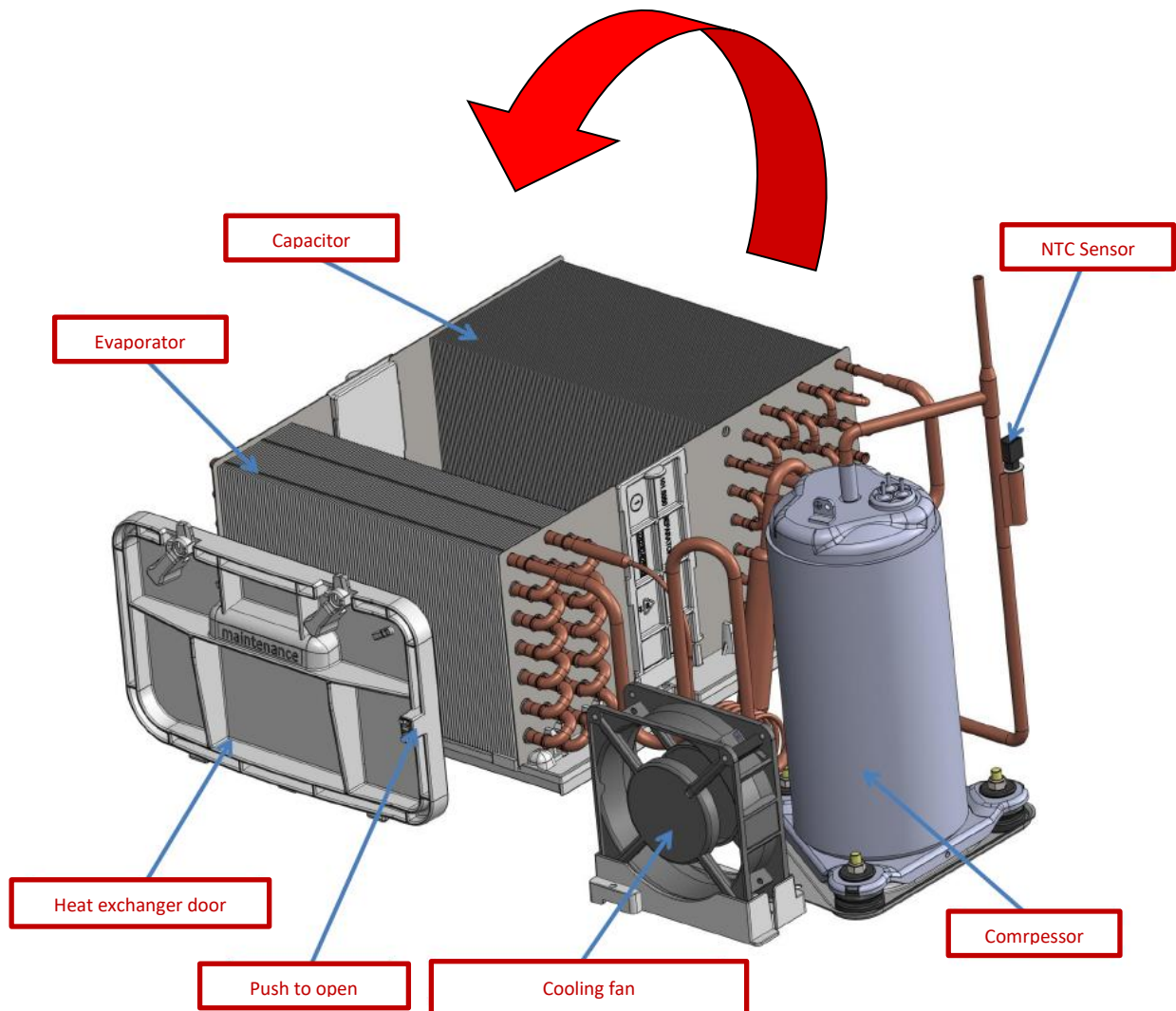
Below is an illustration of the thermal flows inside the refrigeration circuit.



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Below is a descriptive image of the heat pump used in both the PSC and BLDC models.



The R290 propane gas contained in the compressor has a maximum weight of 140 g.

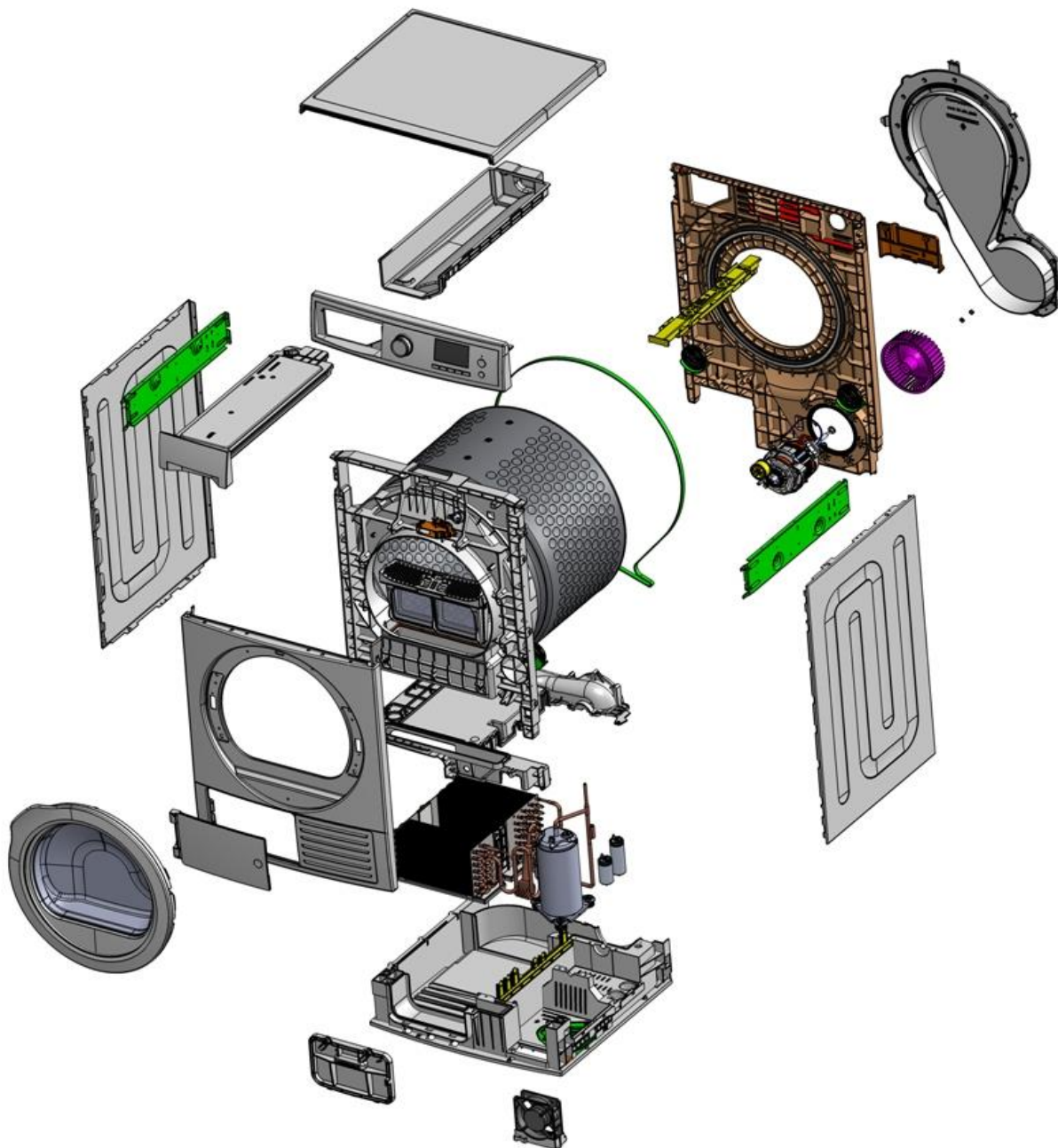
Due to its chemical-physical properties, propane is heavier than air and does not easily evaporate.

In the event of a leak, it tends to settle on the floor or in the lower areas of the room where it was released, without risk of explosion.

It is necessary to adequately ventilate the room where the leak occurred.

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Below is an exploded view of the dryer, to be used as a reference during disassembly operations.



3. TEST OF ELECTRICAL COMPONENTS

The following sequence describes how to activate the test program for the main electrical components.

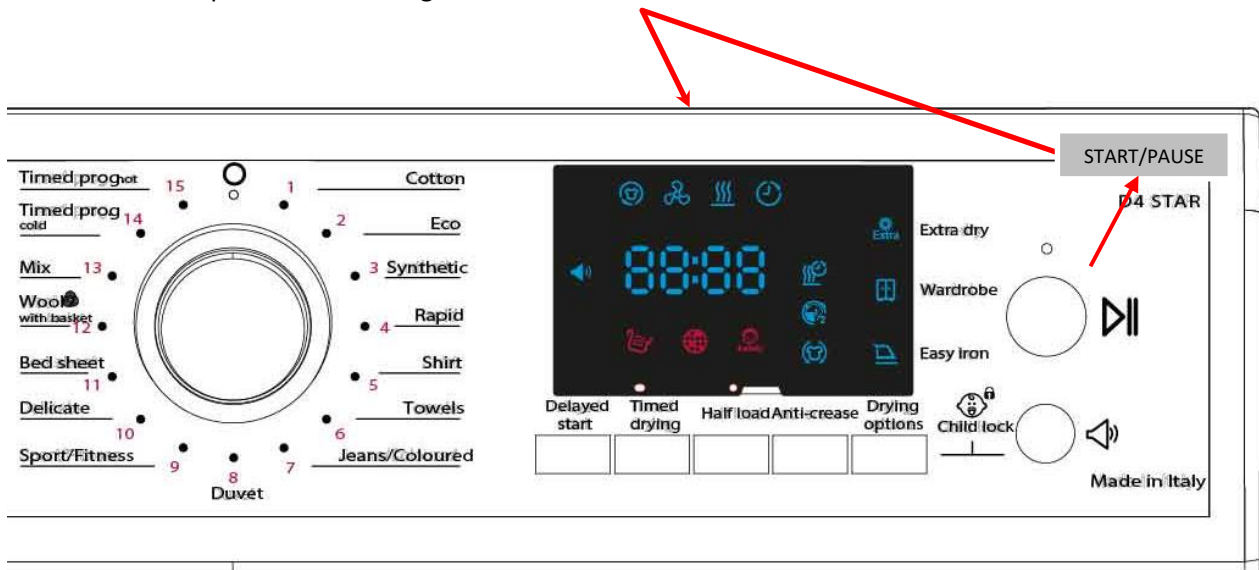
WARNING: ALL TESTS MUST BE PERFORMED WITH NO LOAD.

Activating Test Mode:

1. Set the program knob to **OFF**, leaving the appliance connected to the power supply.
2. Press and hold the **START/PAUSE** button and, at the same time, turn the program knob to **Program 2**.
3. Wait approximately 20 seconds, then release the **START/PAUSE** button.

Result:

All icons and the power indicator light will illuminate.



Once the machine enters test mode, turning the program knob allows you to perform the following tests:

Knob Position	Test	Display	Notes
3	Software	PA XX/XX XX	Set the program knob to Program 3 . The display will alternately show two values: - the software patch (e.g., PA 03 indicates patch 03); - the software version and its update (e.g., 03 02 indicates version 03 and update 02).
4	Motor (Clockwise)	Er 0/Er 1	Set the program knob to Program 4 . Press the START/PAUSE button; the display will show Er 1 and the drum will rotate clockwise .
5	Motor (Counterclockwise)	E1 0/E1 1	Set the program knob to Program 5 . Press the START/PAUSE button; the display will show E1 1 and the drum will rotate counterclockwise .
6	Compressor	Co 0/ Co 1	Set the program knob to Program 6 . Press the START/PAUSE button; the display will show Co 1 , the compressor will start, and the drum will begin rotating counterclockwise after a few seconds.
7	Condensate drain pump	Pu 0/Pu 1	Set the program knob to Program 7 . Press the START/PAUSE button; the display will show Pu 1 and the condensate drain pump will activate.

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8	Cooling fan	FAn 0/Fan 1	Set the program knob to Program 8 . Press the START/PAUSE button; the display will show Fan 1 and the compressor cooling fan will activate.
9	Humidity sensor	0 / XX XX	Set the program knob to Program 9 . The display will show 0 , which will gradually increase up to 1802 over about 2 minutes. If it does not, a malfunction is present: see Chapter 4 .
10	Temperature	XX XX	Set the program knob to Program 10 . The display will show two values: - the first two digits indicate the temperature of the copper pipe connected to the compressor; - the other two digits indicate the internal drum temperature.  For example, in this case, the pipe temperature is 10°C, while the internal drum temperature is 13°C.

TEST 1

Gas Charge and Compressor Operation Check:

1. Enter **test mode**.
2. Turn the program knob to **Position 10** and note the initial temperature readings.
3. Turn the program knob to **Position 6** and press the **START/PAUSE** button.
4. Allow the compressor to run for approximately **10 minutes**.
5. Return the program knob to **Position 10** and note the temperature readings again.

→ 

→ 

If the first temperature increases by more than **10°C** and the second temperature increases by more than **5°C**, the machine is properly charged with gas and the compressor is operating correctly.

Example: Initial values **17 – 18**, final values **32 – 27**. The machine is gas-charged and the compressor functions correctly.

WARNING: If the display shows “or” instead of one of the two numeric values, but one of the values increases by the minimum interval (10°C for the first temperature and 5°C for the second), the machine is still gas-charged and the compressor works correctly. However, an electrical issue is present.

Example: Initial value: or 13, final value: or 19. Despite the “or” reading, the second value increased by more than 5°C, so the machine is gas-charged and the compressor works correctly. The issue is only electrical.

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4. FAULTS

4.1 ERROR TABLE

Error code	Cause	Troubleshooting
F1	Problem: The machine does not start the drying cycle. Cause: Misaligned or faulty control board	1. Check the positioning of the electronic board inside the board compartment.
F2	Problem: The machine does not heat. Cause: - Compressor NTC sensor disconnected or faulty - Faulty control board	- Verify that the ambient temperature where the machine is located is between 10°C and 35°C. - Check the operation, integrity of the low-voltage wiring of the NTC sensor, and the connection of the sensor terminals to the electronic board.
F3	Problem: The machine does not heat. Cause: - Drum NTC sensor disconnected or faulty - Faulty control board	Check the operation, low-voltage wiring of the NTC sensor, and the connection of the sensor terminals to the electronic board.
F4	Problem: The machine does not drain Cause: - Condensate tank full - Drain pump not working - Float not working	- Check if it is full. Drain pump: - Verify correct power supply and operation. - Check the pump wiring. Float: - Perform a continuity test on the float. - Check the float wiring.
F5	Problem: The machine does not perform some functions. Cause: Software variant malfunction	Restart the dryer.
F6	Problem: The machine does not start the drying program Cause: Door contact malfunction	- Restart the dryer. - Check that the door switch is working properly.
F7	Problem: - Drying cycle ends with F7 error on the display - High temperature - Load not fully dry Cause: Cooling system malfunction	- Check the cooling fan operation. - Verify the wiring and terminal connections between the fan and the electronic board.
F8	Problem: Load not fully dry Cause: Humidity sensor malfunction.	- Check the correct connection of the humidity sensor. - Using a multimeter, verify that the wiring between the humidity sensor and the electronic board is free of short circuits.
F9	Problem: Maximum program time error. Cause: Excessively wet load.	Ensure the load was spun at least 1200 rpm.
F10	Problem: Drum does not rotate (BLDC only). Cause: Drum speed not reached	- Restart the dryer. - Verify the connection of the motor to the PCB and inverter board.

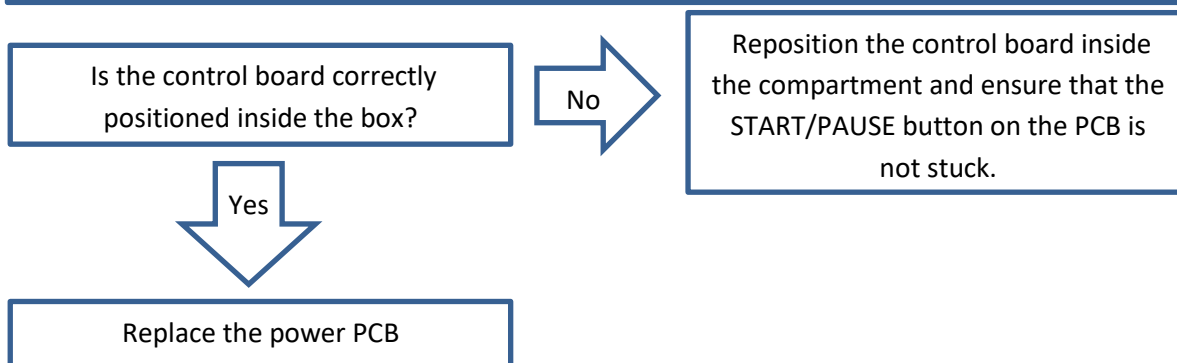
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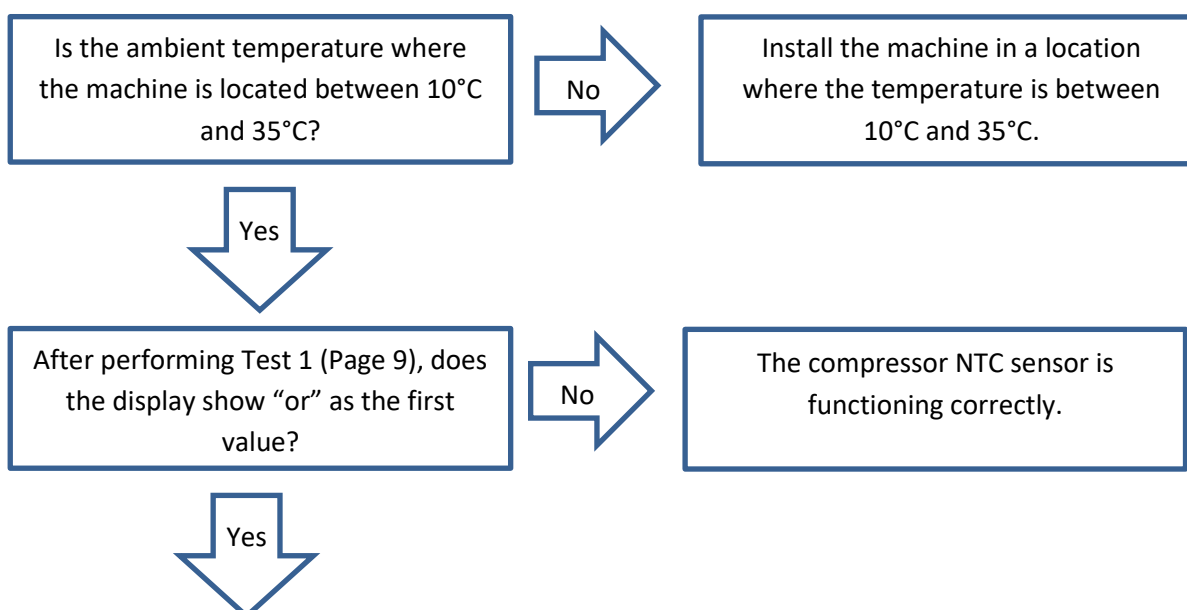
Error code	Cause	Troubleshooting
F11	Problem: Drum does not rotate (BLDC only). Cause: Communication error between motor and electronic board	1. Check with a multimeter the continuity of the power and signal wiring between the electronic board and the BLDC module. 2. If wiring and connectors are correct, replace the electronic board or BLDC module.
F13	Problem: Drum does not rotate (BLDC only). Cause: BLDC motor rotor malfunction	1. Check with a multimeter that wiring is correctly connected to the motor and BLDC module. 2. Verify the integrity of the belt.
F14	Problem: Drum does not rotate (BLDC only). Cause: Electrical malfunction of the motor	1. Check with a multimeter that the wiring is correctly connected to the motor and BLDC module.

4.2 TROUBLESHOOTING

F1 – Control board misaligned or faulty

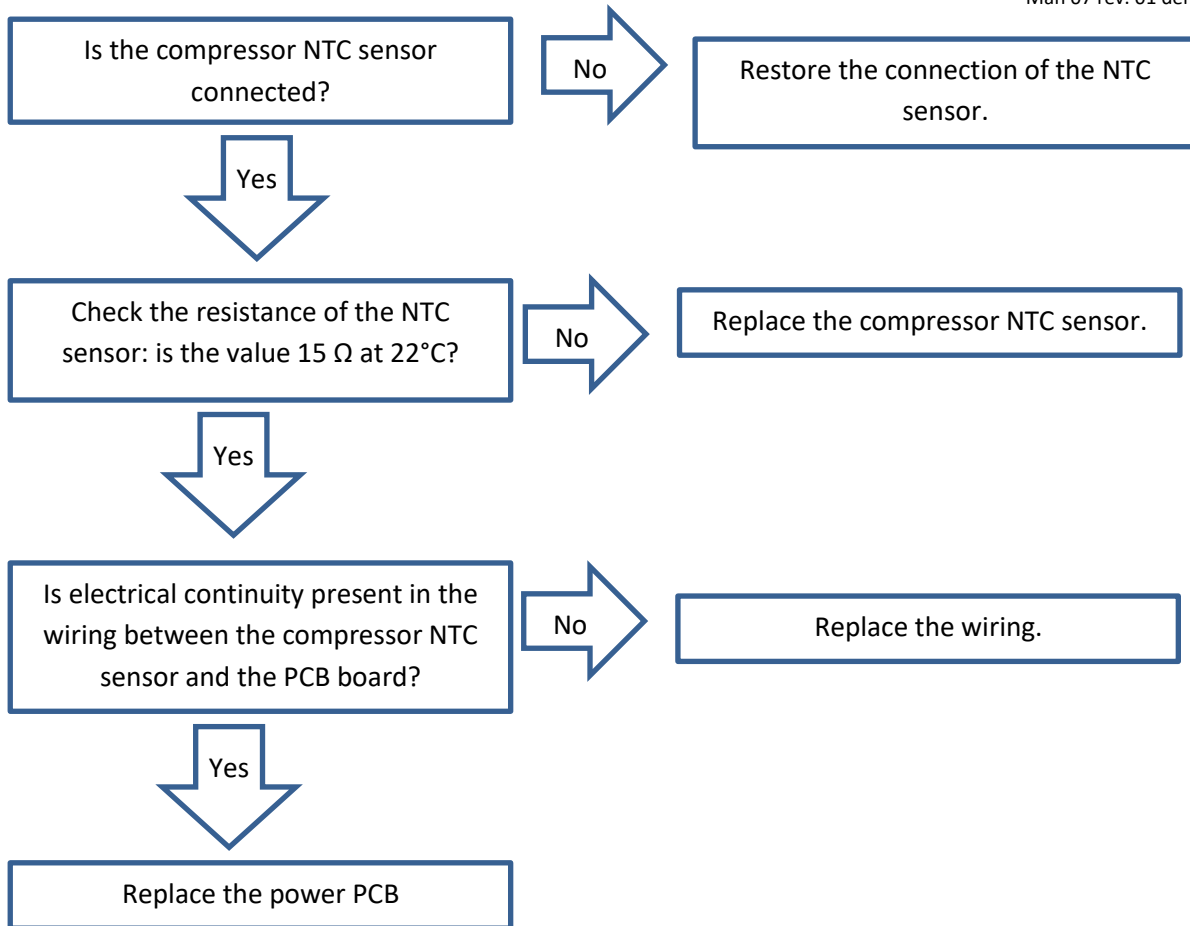


F2 – Compressor NTC sensor disconnected or faulty

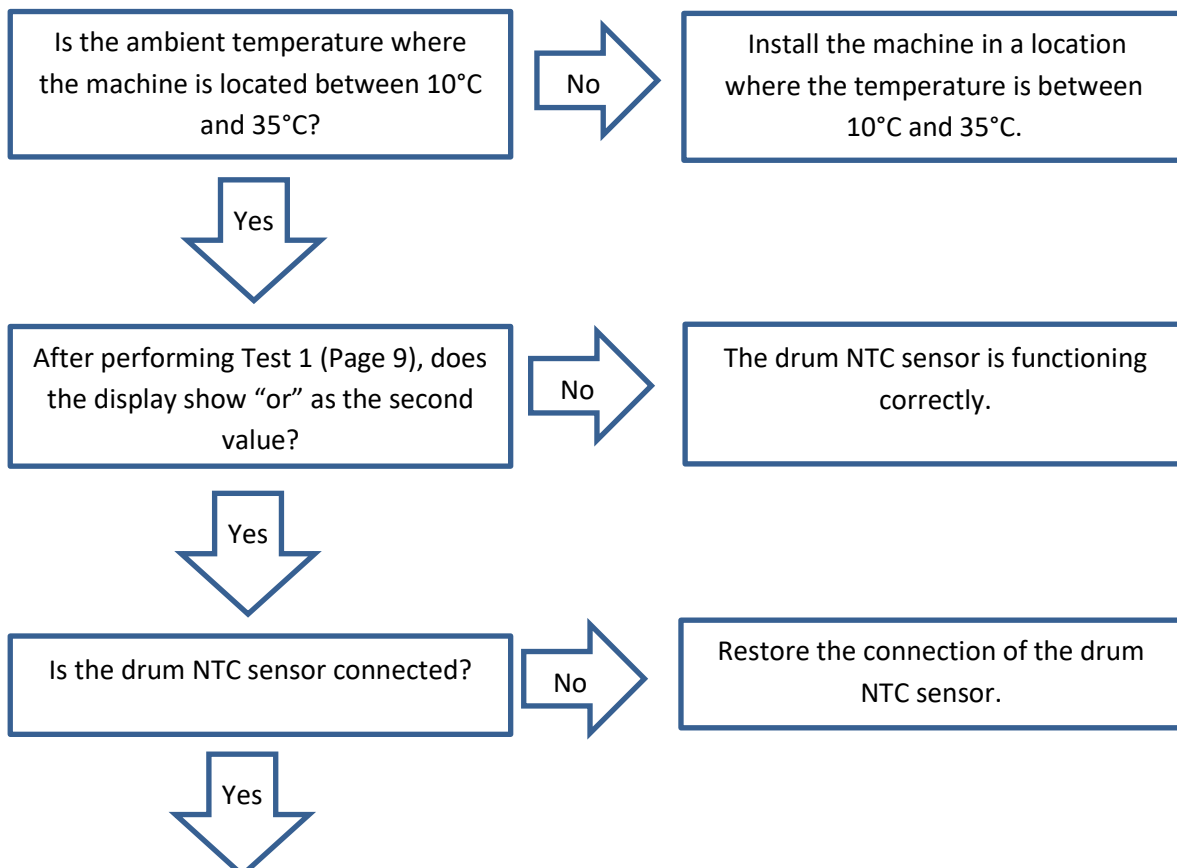


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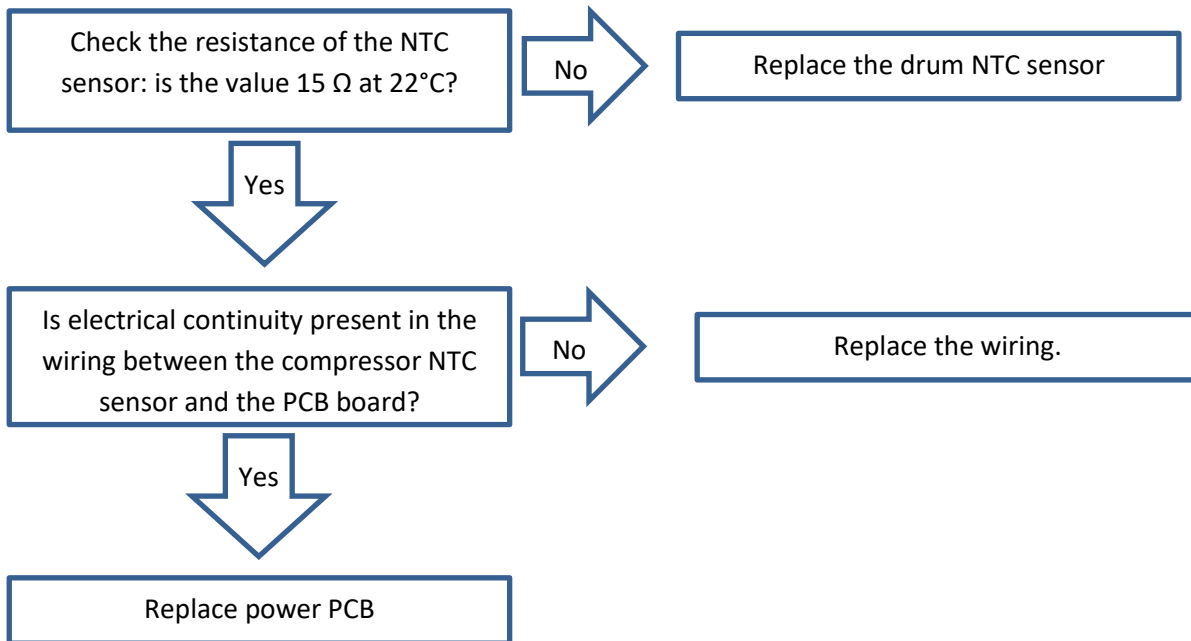


F3 – Drum NTC sensor disconnected or faulty

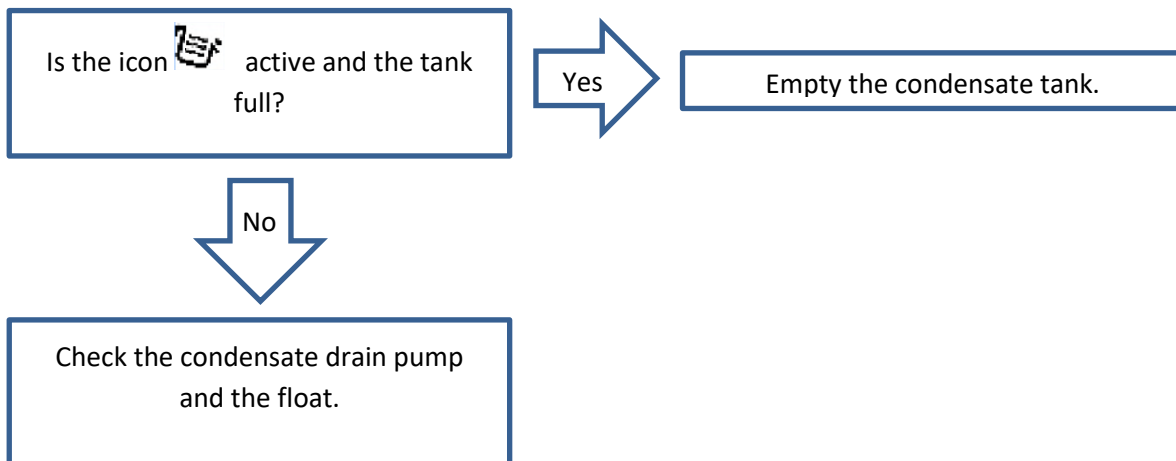


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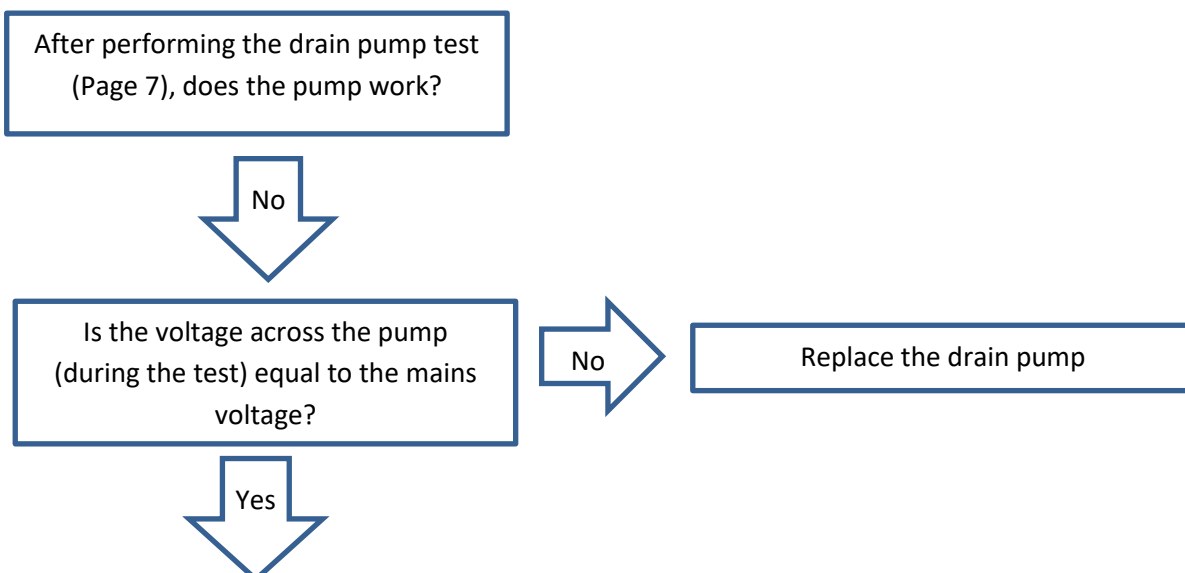
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F4 – Drain pump / float not working

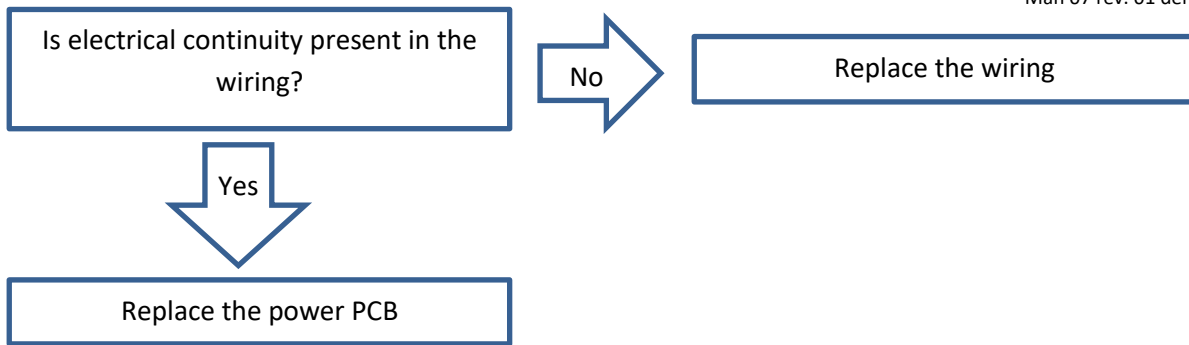


Condensate drain pump

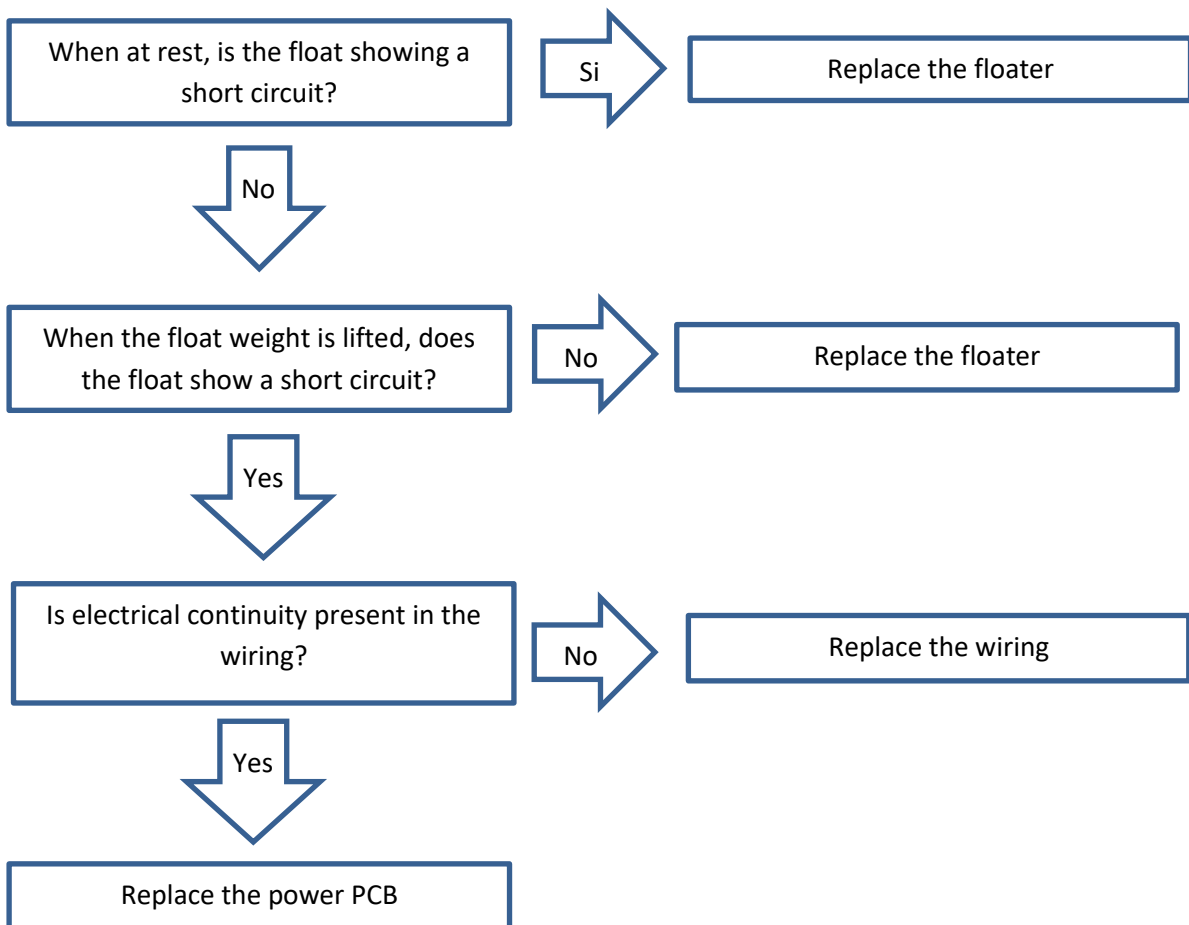


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Floater



F5 – Software variant malfunction



F6 – Door contact malfunction

After restarting the machine, is the problem resolved?

No

Is electrical continuity present in the wiring?

No

Replace the door switch

Yes

Is electrical continuity present in the wiring between the PCB board and the switch?

No

Replace the wiring

Yes

Replace the power PCB

F7 – Cooling system malfunction

After performing the cooling fan test (Page 8), does the cooling fan work?

No

Is the voltage across the compressor cooling fan (during the test) equal to the mains voltage?

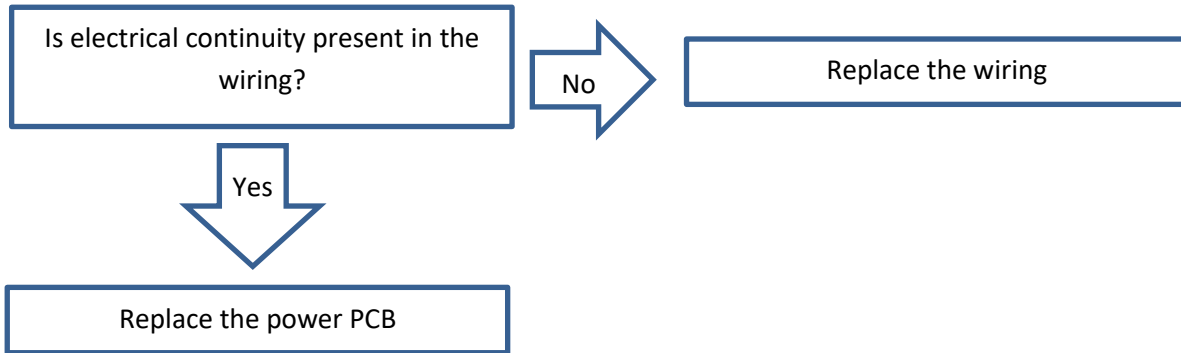
Yes

Replace the compressor cooling fan

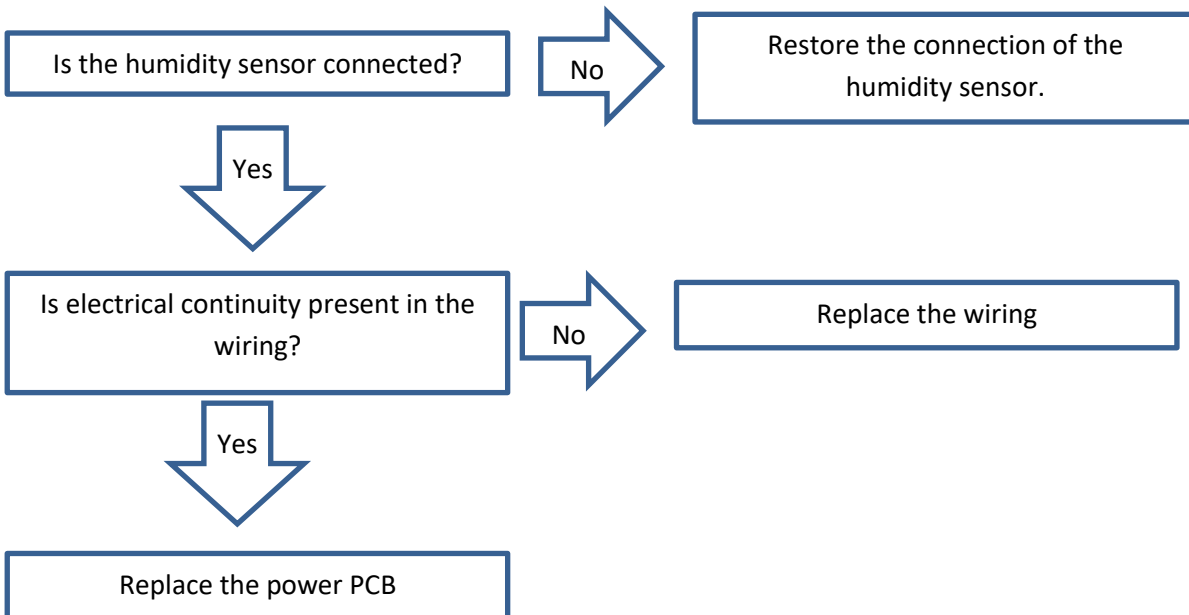
No

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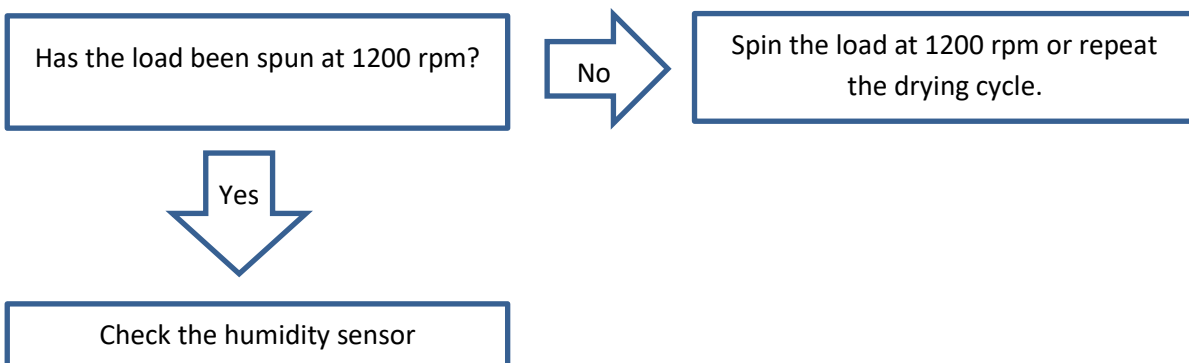
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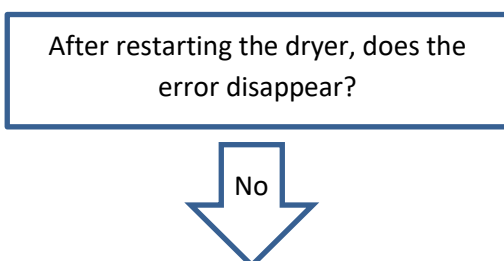
F8 – Humidity sensor malfunction

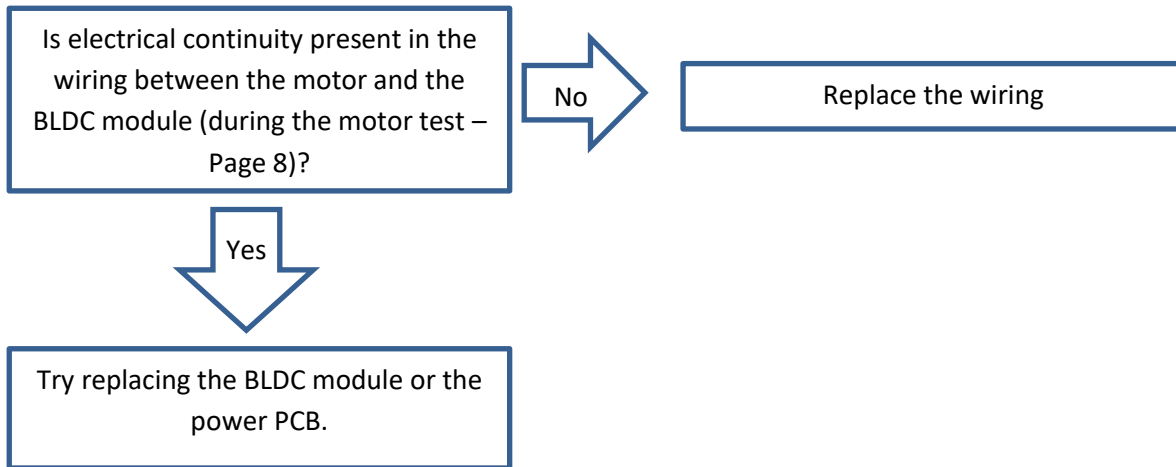


F9 – Excessively wet load

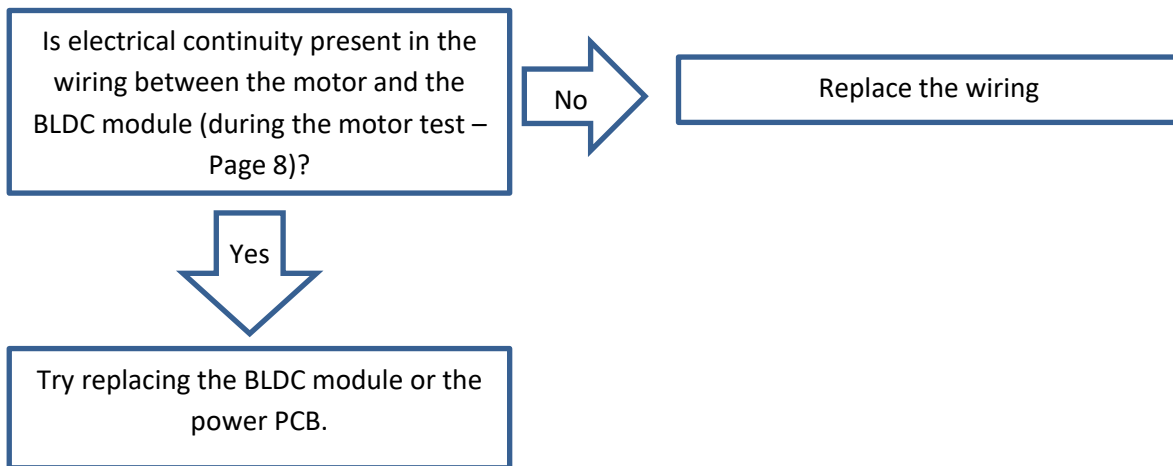


F10 – Drum speed not reached

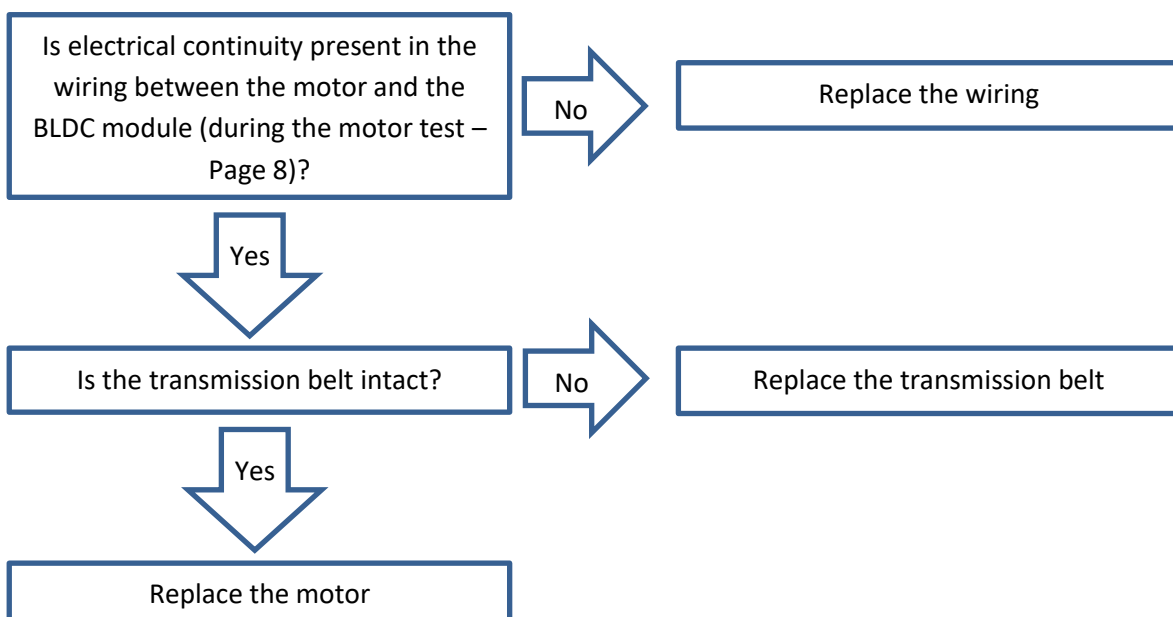




F11 – Communication error between motor and electronic board



F13 – Motor rotor malfunction F13 – Malfunzionamento rotore motore



F14 – Motor electrical malfunction

Is electrical continuity present in the wiring between the motor and the BLDC module (during the motor test – Page 8)?

No

Replace the wiring

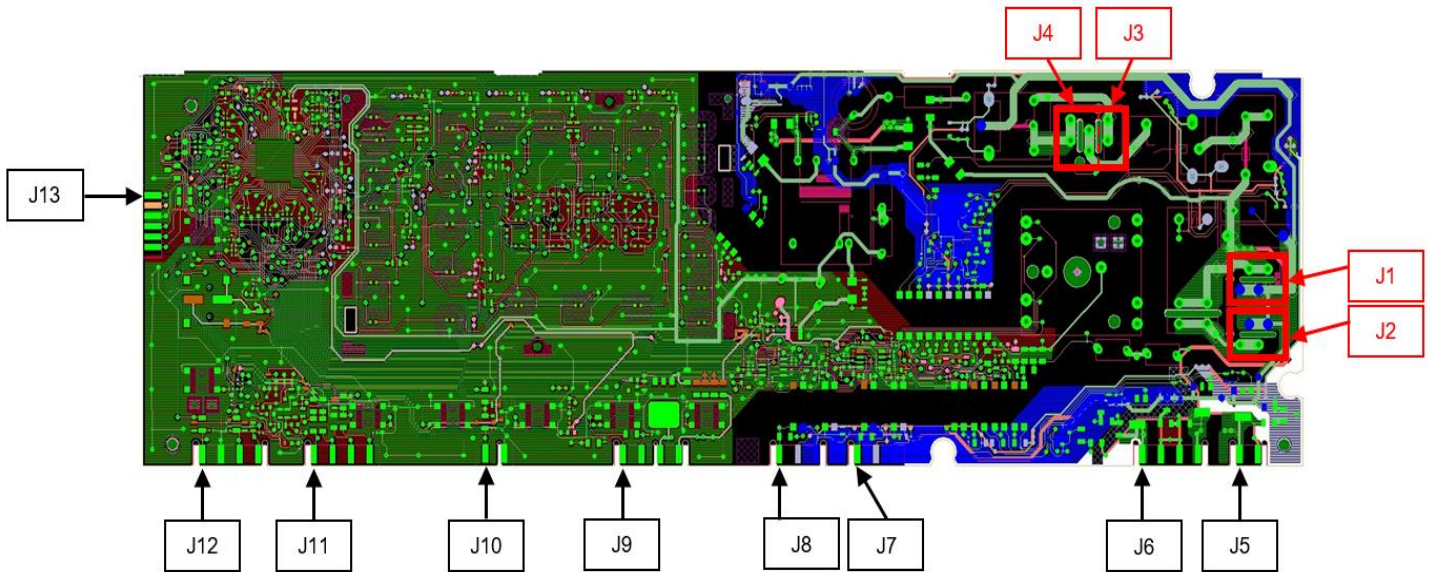
Si

Try replacing the BLDC module or the power PCB.

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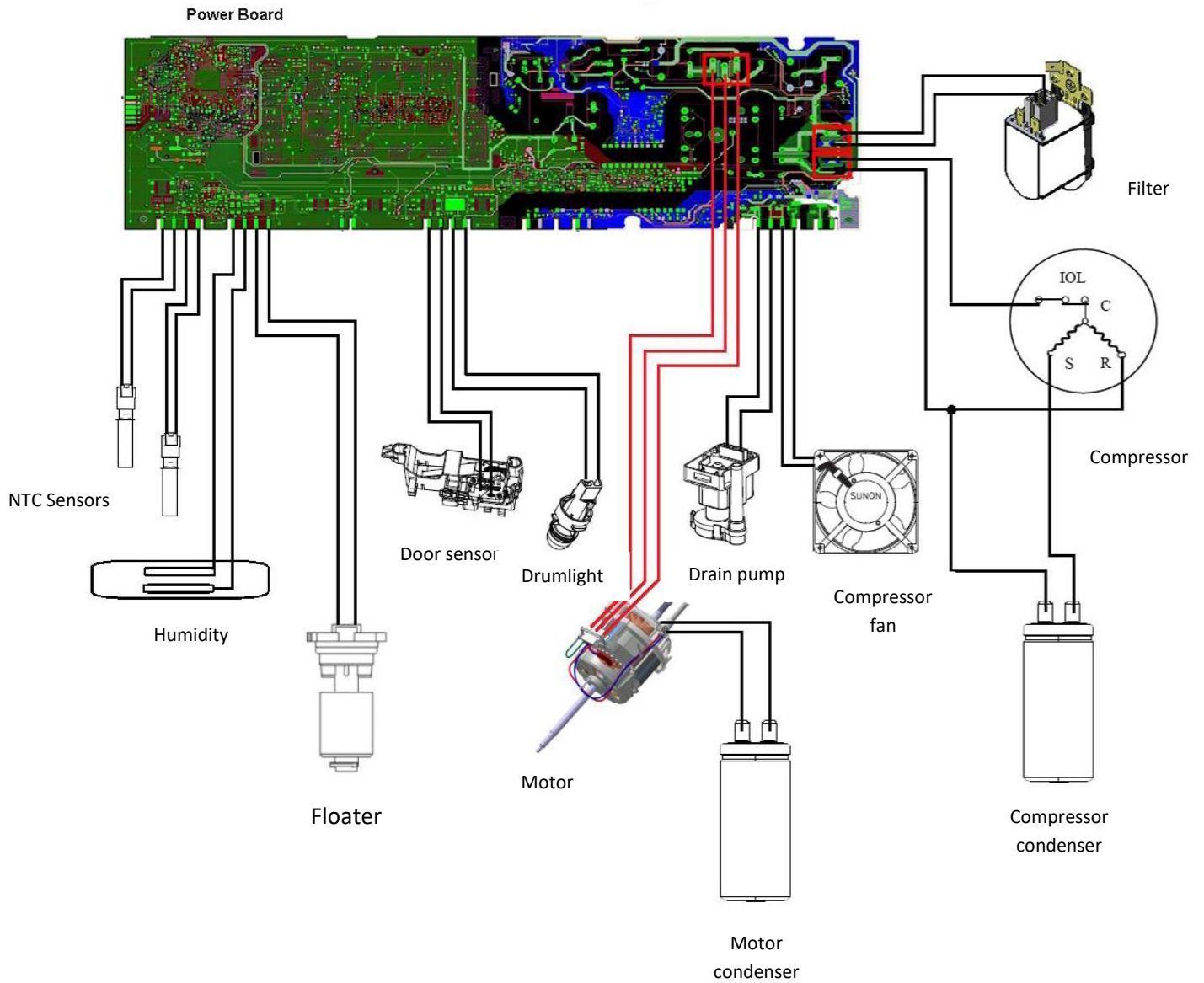
5.WIRING DIAGRAM



Connector	Function	Pin Detail
J1	<u>Power</u> 230V AC	J1 - 1 -> Neutral (N) J1 - 2 -> Line (L)
J2	Compressor	J2 - 1 -> Neutral (N) J2 - 2 -> Line (L)
J3	AC Motor	J3 - 1 -> Neutral (N) J3 - 2 -> Neutral (N) J3 - 3 -> Line (L)
J4	BLDC Motor	J4 - 1 -> Line (L) J4 - 2 -> Neutral (N)
J6	Drain Pump and Compressor Fan	PUMP: J6 - 1 -> Triac to N J6 - 2 -> Line (L) FAN: J6 - 3 -> Line (L) J6 - 4 -> Triac to N
J8	Communication BLDC Motor	J8 - 1 -> RX / TX J8 - 2 -> +9V J8 - 3 -> GND
J9	Door Switch + Drumlight	DOOR SWITCH: J9 - 1 -> DOOR SWITCH J9 - 2 -> DOOR SWITCH DRUM LIGHT: J9 - 3 -> Diode KATHODE J9 - 4 -> Diode ANODE
J11	Humidity sensor + Floater	HUMIDITY SENSOR: J11 - 1 -> HUMIDITY SENSOR J11 - 2 -> PE (DRUM) FLOAT SWITCH: J11 - 3 -> FLOAT SWITCH J11 - 4 -> FLOAT SWITCH
J12	NTC2 + NTC1	NTC2: J12 - 1 -> NTC2 J12 - 2 -> NTC2 NTC1: J12 - 3 -> NTC1 J12 - 4 -> NTC1
J13	Flash Programming	
J14	DEBUG Programming	

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7. DRYER COMPONENT LIST

Common components

39501010100	SENSORE NTC NTC SENSOR
DR901505300	KIT VENTOLA RADIALE RADIAL FAN KIT
39901026100	ASSIEME TOP NEW MAX TOP NEW MAX ASSEMBLY
DR901500500	ASSIEME CONDENSER CONDENSER ASSEMBLY
DR101502400	VASCHETTA CONDENSER CONDENSER TRAY
DR301501000	TUBO INTERNO IN GOMMA 66CM X OVERFLOW INNER RUBBER TUBE 66CM X OVERFLOW
DR901504500	ASSIEME BASAMENTO COMPLETO SDR8 COMPLETE SDR8 BASEMENT ASSEMBLY
DR901504100	ASSIEME SPORTELLLO SCAMBIATORE HEATING EXCHANGE DOOR ASSEMBLY
DR601500100	SPUGNA FILTRO 20PPI FILTER SPONGE 20PPI
DR501500400	VENTOLA COMPRESSORE DP202A-2123MBT/JA1238H2B5N FAN COMPRESSOR DP202A-2123MBT/JA1238H2B5N
DR901501300	ASSIEME PIEDINO FEET ASSEMBLY
DR501501000	CONDENSATORE COMPRESSORE.RE6.75 12MF * COMPRESSOR CAPACITOR .RE6.75 12MF *
DR301500300	GUARNIZIONE D6 INCASTELLATURA ANTERIORE/BASAMENTO ANTERIOR/BASE FRAME D6 SEAL
DR901502700	ASSIEME SUPPORTO POMPA/GALLEGGIANTE PUMP/FLOATER SUPPORT ASSEMBLY
DR501500300	POMPA SCARICO CONDENSA B13-6C//M318 MOISTURE DRAIN PUMP B13-6C//M318
DR501501601	GALLEGGIANTE PLS-051A-3PP CAVO25MM FLOAT SWITCH PLS-051A-3PP CABLE25MM
DR301500900	TUBO GOMMA ESTERNO 144CM POMPA/CASSETTO EXTERNAL RUBBER HOOSE 144CM PUMP/DRAWER
DR201505800	PANNELLO LATERALE VERNICIATO PAINTED SIDE PANEL
DR201500300	TRAVERSA DX/SX RIGHT/LEFT CROSS MEMBER
DR601501403	GUARNIZ."O" ANT.FELTRO CESTO DRYER FRONT DRUM FELT O RING
DR501500700	MICROINTERRUTTORE DRYER ROLD VRU0040 DRYER MICROSWITCH ROLD VRU0040
DR101500300	INCASTELLATURA ANTERIORE DRYER FRONT FRAME DRYER
DR101505900	PROTEZIONE VAPORE STEAM PROTECTION
DR501501100	LUCE CESTELLO 3,2V DRUMLIGHT 3,2V
DR901501500	ASSIEME PIASTRA SENSORE UMIDITA' HUMIDITY SENSOR PLATE ASSEMBLY
DR901500701	ASSIEME RUOTA ASCIUGATRICE "01" DRYER WHEEL ASSEMBLY "01"
DR101503300	FILTRO LANUGGINE INTERNO INTERNAL LINT FILTER
DR101503600	FILTRO LANUGGINE ESTERNO EXTERNAL LINT FILTER
DR101501000	CERNIERA SPORTELLINO DOOR HINGE
DR201505700	PANNELLO FRONTALE VERNICIATO PAINTED FRONT PANEL
DR501501500	BLOCCOPORTA DRYER ROLD CB013 DRYER DOOR LOCK ROLD CB013

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DR101503200	MOSTRINA BLOCCOPORTA DOOR LOCK TRIM
DR101500400	SPORTELLINO ESTERNO OUTER DOOR
DR101505700	CESTO LANA/DELICATI/SCARPE WOOL / DELICATES / SHOES DRUM
DR101502100	AGITATORE ASCIUGATRICE DRYER AGITATOR
DR901503300	ASSIEME CESTELLO CON AGITATORI RUM ASSEMBLY WITH AGITATORS
DR601500700	CINGHIA 7PH 1980 BELT 7PH 1980
DR601501507	GUARNIZ."O" POST.FELTRO CESTO REAR DRUM FELT O-RING SEAL
DR101500900	INCASTELLATURA POSTERIORE REAR FRAME DRYER
DR101505600	SUPPORTO CAVI CABLE SUPPORT
DR901504000	ASSIEME CONVOGLIATORE CONVOYER ASSEMBLY
DR101503400	COPERCHIO POMPA DRYER DRYER PUMP COVER
DR201502701	MOLLA TENDICINGHIA 2.2X17.2X75 DRYER TENSION SPRING 2.2X17.2X75
DR501502200	CONDENSATORE COMPRESSORE 6.5 15MF ** COMPRESSOR CAPACITOR 6.5 15MF **
DR901504900	ASSIEME CERNIERA C/GANCIO E PIN PORTA DOOR HINGE ASSEMBLY WITH HOOK AND PIN
DR901507000	ASSIEME OBLÒ TIPO 8 APERT.DX DOOR ASSEMBLY TYPE 8 RIGHT OPENING
DR901507100	ASSIEME OBLÒ TIPO 8 APERT.SX DOOR ASSEMBLY TYPE 8 LEFT OPENING
DR901500800	ASSIEME OBLÒ TIPO 9 APERT.DX DOOR ASSEMBLY TYPE 9 RIGHT OPENING
DR901501200	ASSIEME OBLÒ TIPO 9 APERT.SX DOOR ASSEMBLY TYPE 9 LEFT OPENING
DR901505600	ASSIEME OBLÒ TIPO 10 APERT.DX DOOR ASSEMBLY TYPE 10 RIGHT OPENING
DR901506500	ASSIEME OBLÒ TIPO 10 APERT.SX DOOR ASSEMBLY TYPE 10 LEFT OPENING
DR901506800	ASSIEME OBLÒ TIPO 11 APERT.DX DOOR ASSEMBLY TYPE 11 RIGHT OPENING
DR901506900	ASSIEME OBLÒ TIPO 11 APERT.SX DOOR ASSEMBLY TYPE 11 LEFT OPENING

*Used for 6.75 compressor

** Used for 6.75 compressor

PSC (SDRXP) Components

DR901500900	ASSIEME BOX/SCHEDA F4 PSC 8/9KG CONTROL BOX / PCB ASSEMBLY F4 PSC 8/9 KG
DR501502900	CABLAGGIO PSC ALTA TENSIONE WIRING HARNESS PSC HIGH VOLTAGE
DR501502800	CABLAGGIO PSC BASSA TENSIONE WIRING HARNESS PSC LOW VOLTAGE
DR501500600	MOTORE PSC STACK 50MM PSC MOTOR STACK 50 MM
DR901504300	ASSIEME KIT CAVO ALIMENT.SCHUKO PSC POWER CORD KIT SCHUKO PSC
DR501500900	CONDENSATORE MOTORE 10µF MOTOR CAPACITOR 10µF
39901033100	ASSIEME MANOPOLA F4 DISPLAY F4 DISPLAY KNOB ASSEMBLY
DR901505100	KIT MANOPOLA E TASTI F4 F4 KNOB AND BUTTONS

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DR101506000	MANIGLIA HANDLE
DR901503000	ASSIEME MASCHERINA CONTROL PANEL
DR101503700	BOX PCB BOX PCB
DR601504300	CINGHIA DRYER DOPPIA PULLEGGIA DRYER DOUBLE PULLEY BELT

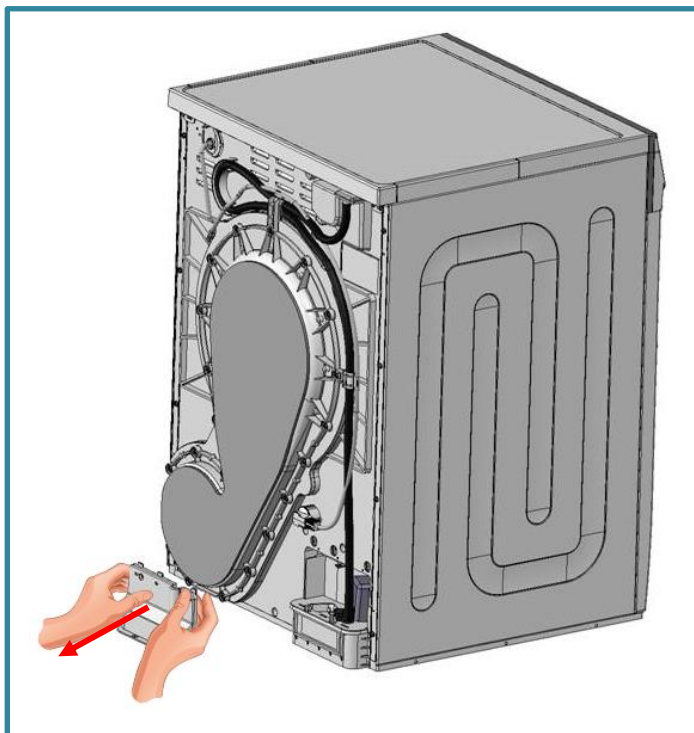
BLDC (SDRXI) Components

DR901502000	ASS.BOX/SCHEDA F4 BLDC 8/9KG CONTROL BOX / PCB ASSEMBLY F4 BLDC 8/9 KG
DR501503000	CABLAGGIO BLDC ALTA TENSIONE WIRING HARNESS BLDC HIGH VOLTAGE
DR501503101	CABLAGGIO BLDC BASSA TENSIONE WIRING HARNESS BLDC LOW VOLTAGE
DR501503200	CABLAGGIO BLDC MOTORE BLDC MOTOR WIRING HARNESS
DR501502000	MOTORE BLDC H28 BLDC MOTOR H28
DR501501400	MODULO INVERTER PER MOTORE BLDC H28 BLDC MOTOR INVERTER MODULE H28
DR901504400	ASS.KIT CAVO ALIMENT.SCHUKO BLDC POWER CORD KIT SCHUKO BLDC
39901033100	ASSIEME MANOPOLA F4 DISPLAY F4 DISPLAY KNOB ASSEMBLY
DR901505100	KIT MANOPOLA E TASTI F4 F4 KNOB AND BUTTONS
DR101506000	MANIGLIA HANDLE
DR901503000	ASSIEME MASCHERINA CONTROL PANEL
DR101503700	BOX PCB BOX PCB

8. DISASSEMBLY INSTRUCTION

Below is the disassembly sequence, which must be followed carefully to avoid damaging the dryer components.

8.1 INSPECTION / REPLACEMENT OF PUMP BODY / FLOAT SWITCH



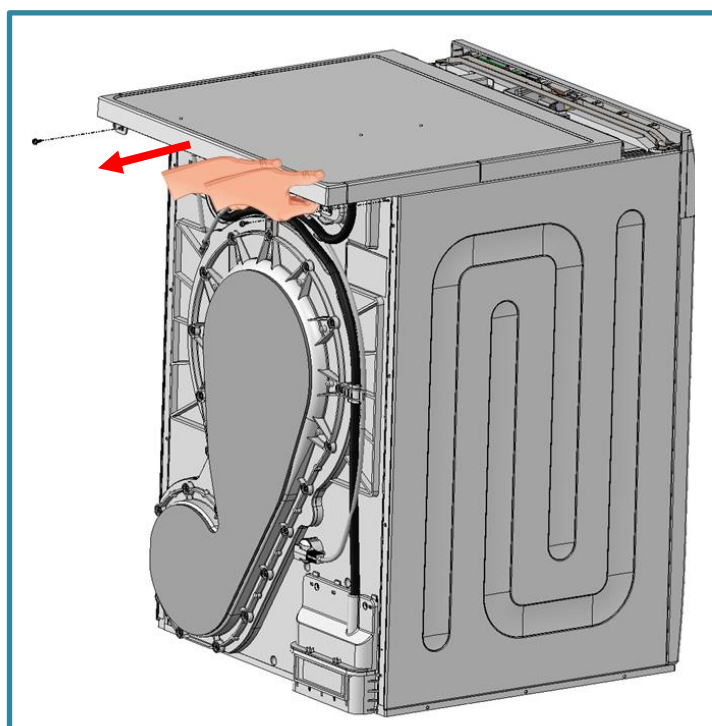
To perform the inspection or replacement of the pump body or the float switch, it is sufficient to remove the cover, as shown in the image, in order to access the components.

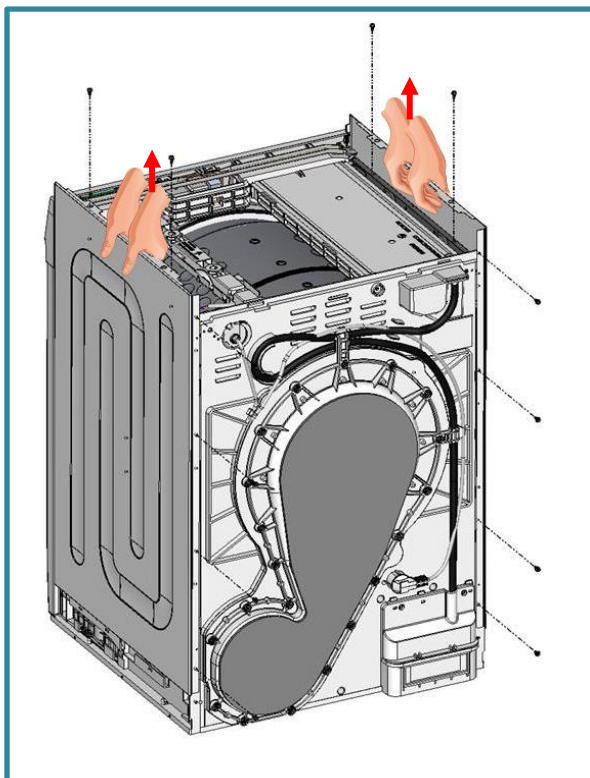
DR501500300	POMPA SCARICO CONDENZA B13-6C//M318 MOISTURE DRAIN PUMP B13-6C//M318
DR501501601	GALLEGGIANTE PLS-051A-3PP CAV025MM FLOAT SWITCH PLS-051A-3PP CABLE25MM

8.2 REMOVAL OF TOP AND SIDE PANELS

39901026100	ASSIEME TOP NEW MAX TOP NEW MAX ASSEMBLY
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Remove the two screws indicated in the photo, then grip the top near the corner of the condenser tank and pull it toward you to remove it.



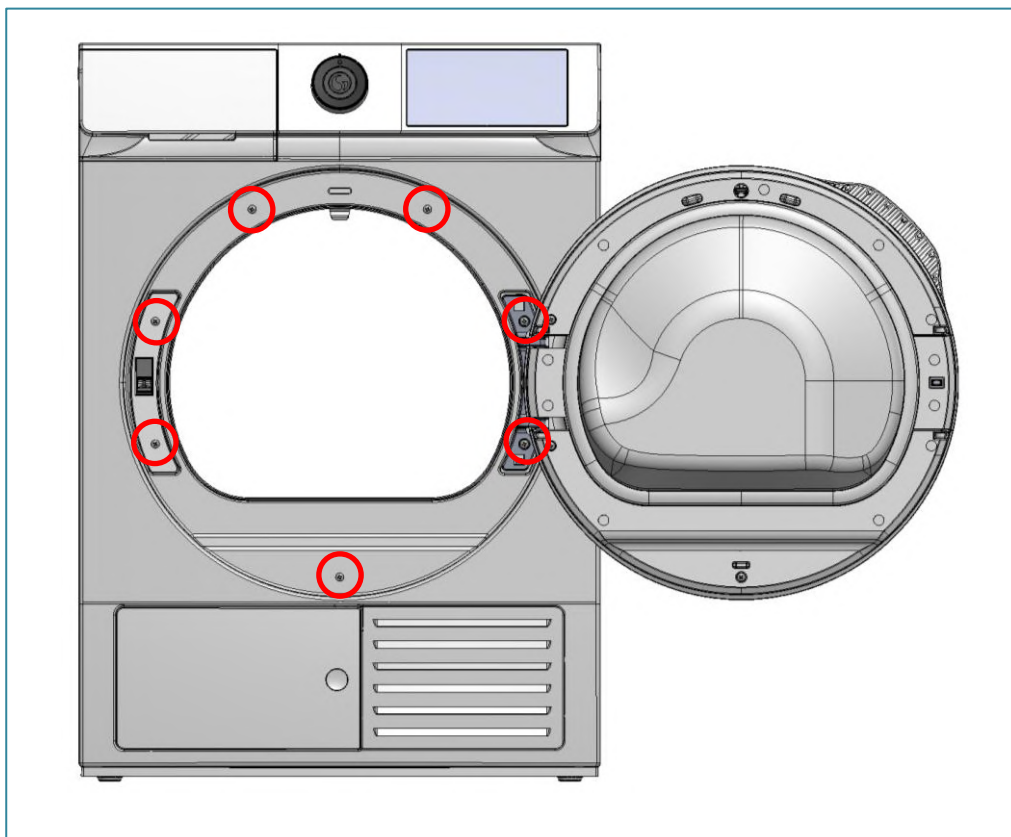


To remove the side panels, unscrew the screws indicated in the diagram, then lift the panels upward and remove them.

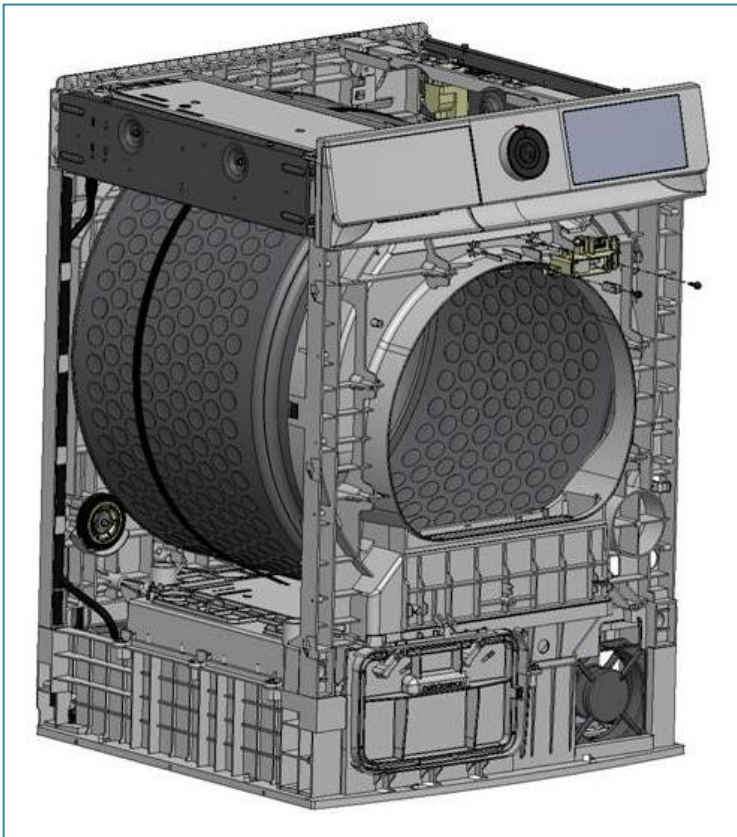
DR201505800

PANNELLO LATERALE VERNICIATO
PAINTED SIDE PANEL

8.3 SWITCH REPLACEMENT



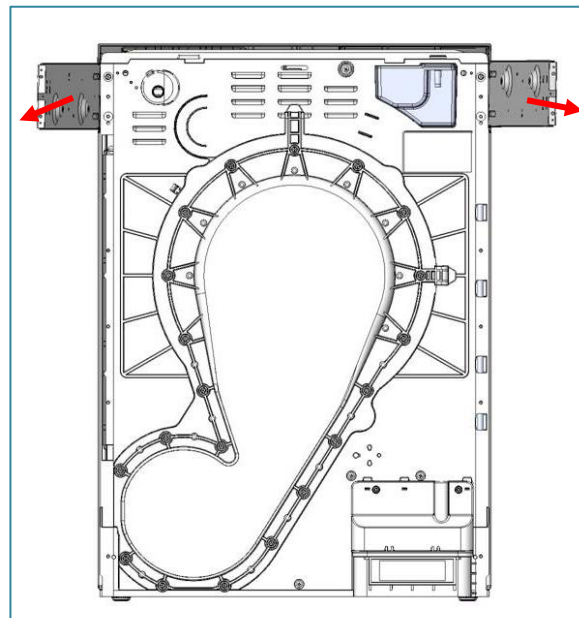
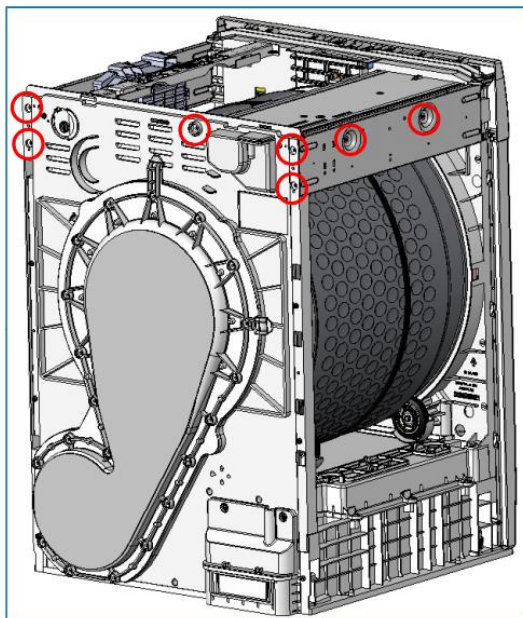
Remove the screws highlighted in red, unhook the door and the trim. Then pull the front panel toward you to remove it.



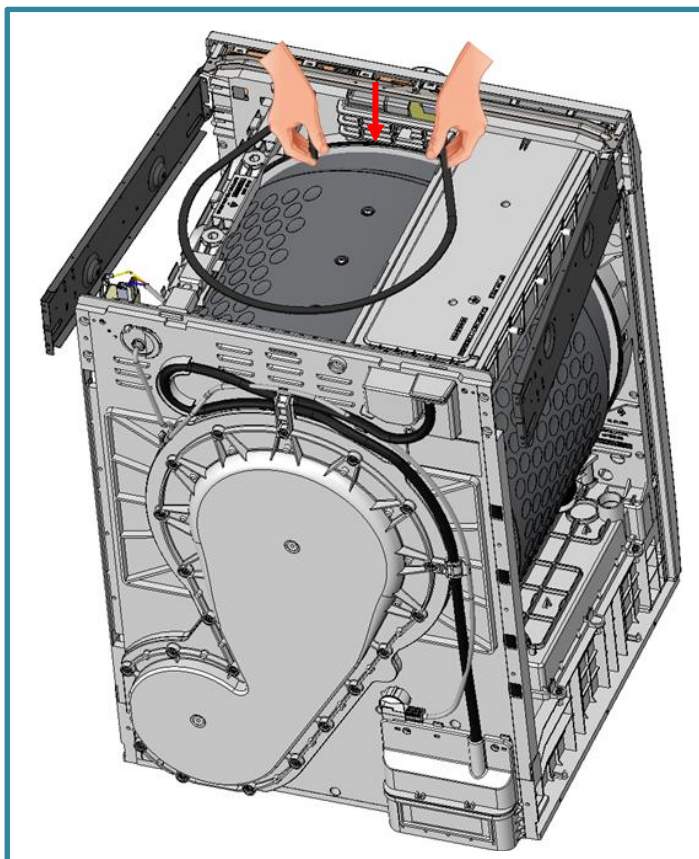
At this point, it is possible to remove the fixing screws of the switch and proceed with the replacement.

DR501500700	MICROINTERRUTTORE DRYER ROLD VRU0040
	DRYER MICROSWITCH ROLD VRU0040

8.4 TRANSMISSION BELT REPLACEMENT



To replace the belt, remove the screws highlighted in red. Then move the side crossbars outward, as shown in the figure.

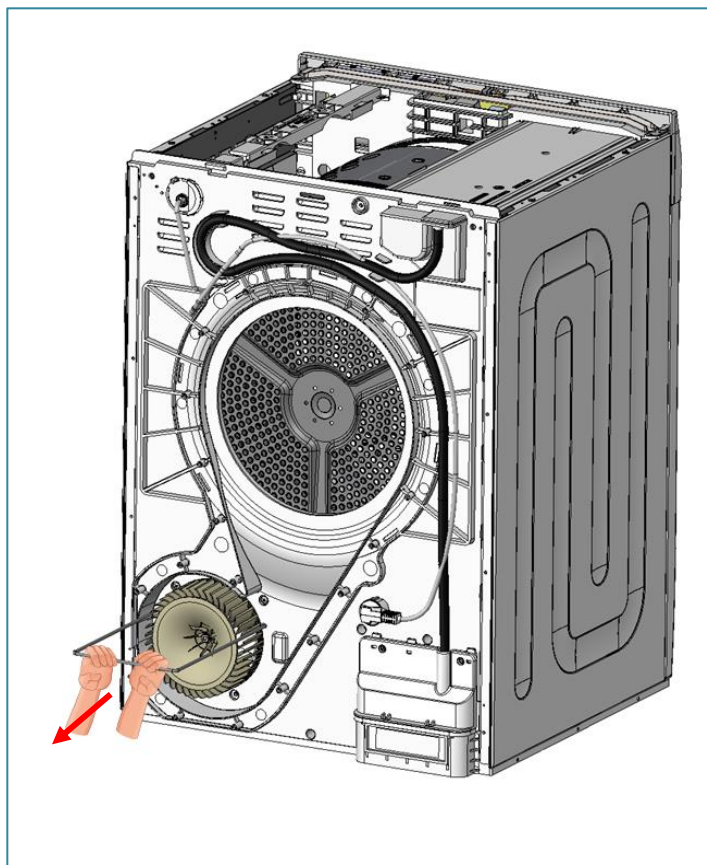


At this point, open the door, push the drum toward the rear of the machine, and insert the belt from the upper side of the drum opening. Grasp the belt from the drum opening and pull it downward to position it correctly around the drum. Rotate the drum until the belt seats on the second row of decorative dimples on the outer surface of the drum (169 mm from the front frame). The belt must be positioned with the toothed side in contact with the motor shaft and the smooth side in contact with the plastic bushing. For correct installation, it is recommended to remove the motor spring, rotate the motor inward toward the machine, and position the belt as described. Finally, refit the motor spring using a screwdriver.

DR601500700	CINGHIA 7PH 1980 BELT 7PH 1980
DR601504300	CINGHIA DRYER DOPPIA PULLEGGIA DRYER DOUBLE PULLEY BELT

NOTE: in the case of a PSC motor with double pulley, use belt DR601504300.

8.5 RADIAL FAN REPLACEMENT

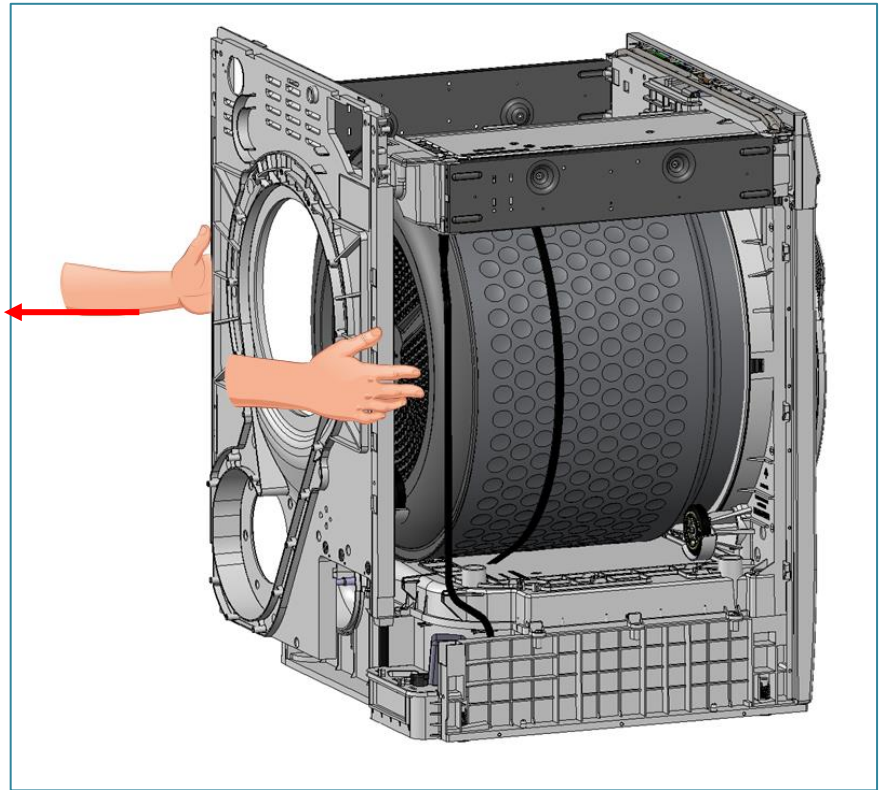


DR901505300	KIT VENTOLA RADIALE RADIAL FAN KIT
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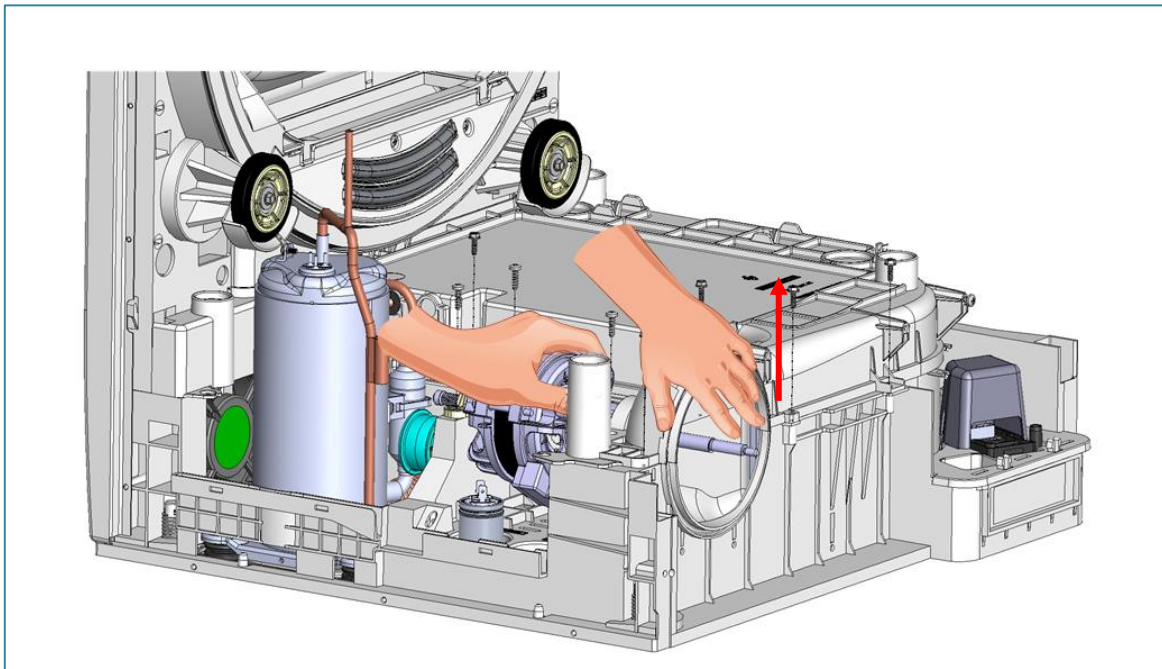
After removing all the screws from the air duct and releasing it, loosen the nut that secures the radial fan by 3–4 turns. Then pass a tie behind the fan and pull it toward you to extract it.

8.6 DRUM AND SEALS REPLACEMENT

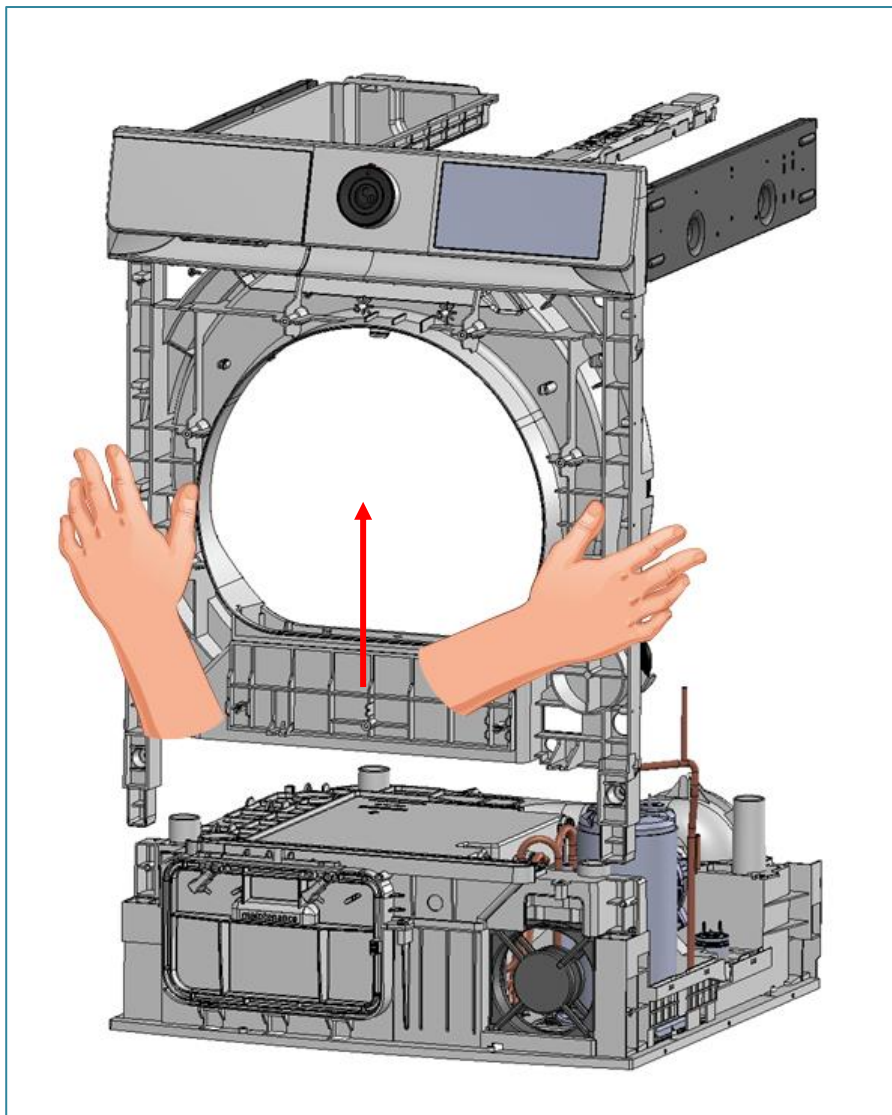
After removing all the screws that secure the rear frame to the machine and the pump–float cover, the frame can be removed as shown in the photo. At this point, it is possible to replace the drum and the front and rear seals.



8.7 MOTOR REPLACEMENT



After removing the 7 screws shown in the photo and releasing the motor clamp, lift the portion of the base that locks the motor shaft in order to slide the motor out and replace it.

8.8 BASE REPLACEMENT

After removing the front panel and the screws that secure the front frame to the base, the frame can be lifted. Before proceeding with replacement of the base, remove the following components: compressor fan, capacitors, motor, heat exchanger door, and pump–float assembly.

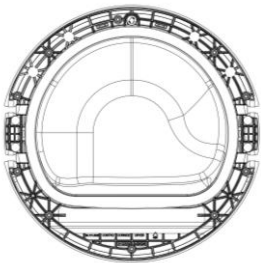
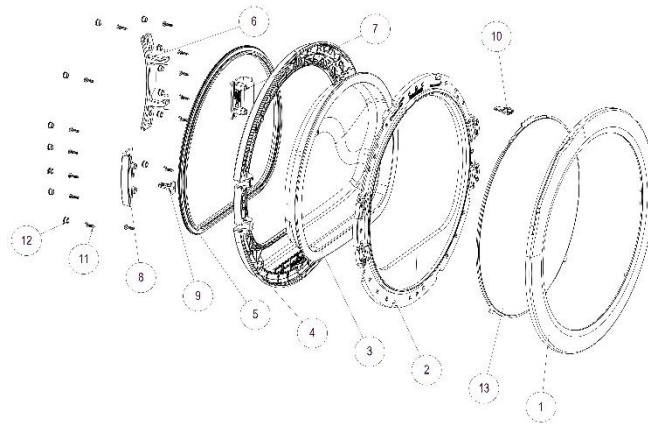
DR901504500

ASSIEME BASAMENTO COMPLETO
COMPLETE BASEMENT ASSEMBLY

9. DOOR ASSEMBLY INSTRUCTIONS FOR OPENING SIDE REVERSAL

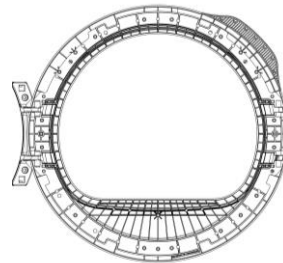
8/9 door- right hand opening

Prepare the two assemblies in the following order:



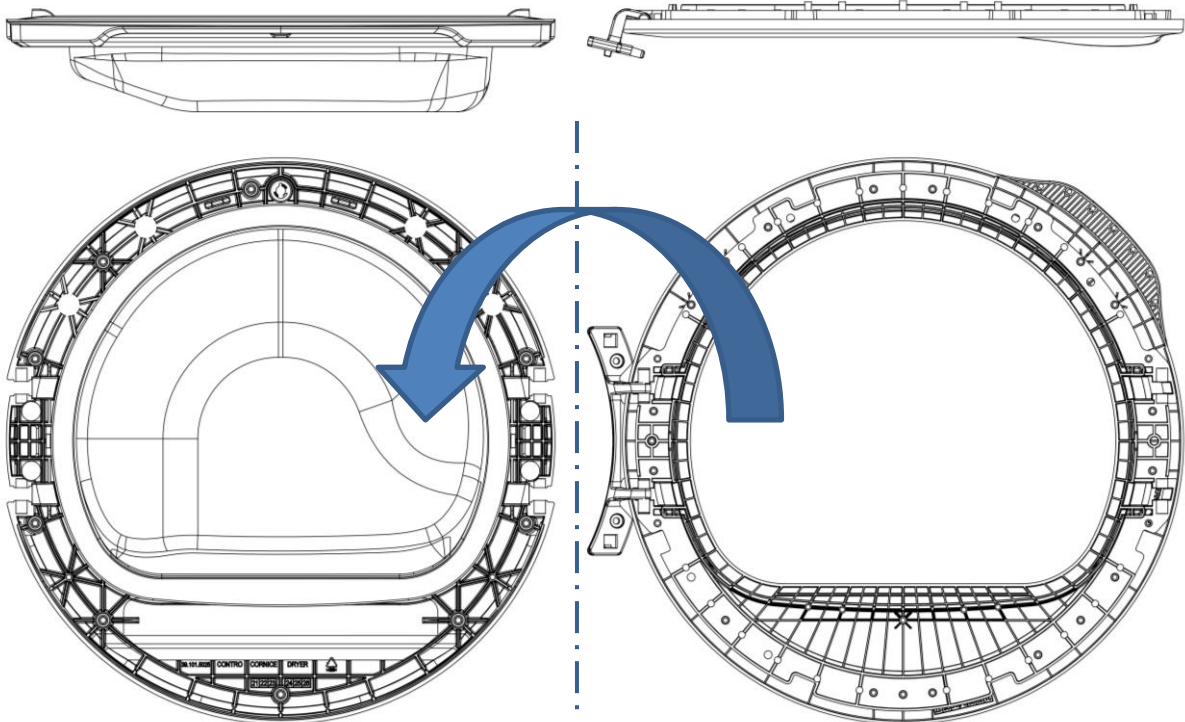
Assembly 1:

- 3. Glass
- 4. Counter-frame
- 13. Disc (type 8 only)
- 10. Circular pin
- 9. Door lock pin
- 7+8. Trims
- 5. Gasket



Assembly 2:

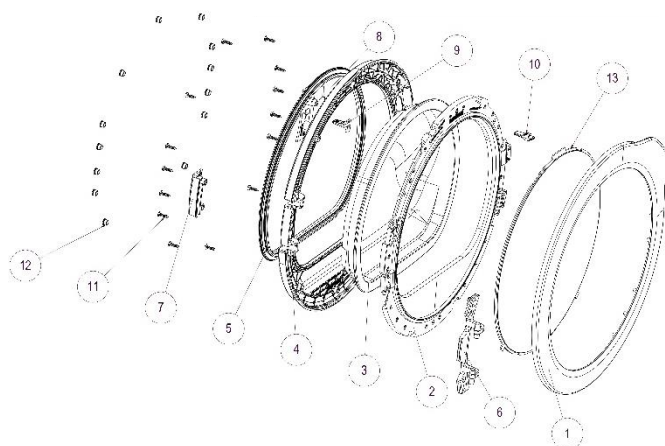
- 1. Outer frame (oriented as shown in the figure)
- 2. Inner frame
- 6. Hinge (positioned as shown in the figure)



Assemble unit 2 onto unit 1, rotating unit 2 as shown in the picture, then secure it with screws (11) and close the holes with caps (12).

8/9 door- right hand opening

Prepare the two assemblies in the following order:

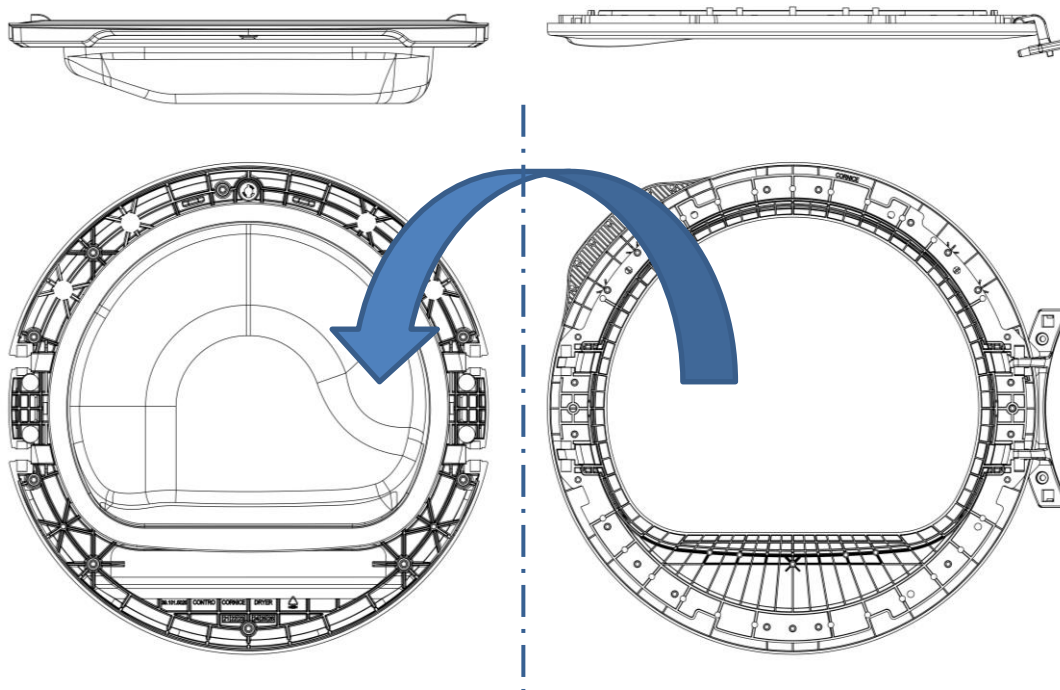


Assembly 1:

- 3. Glass
- 4. Counter-frame
- 13. Disc (type 8 only)
- 10. Circular pin
- 9. Door lock pin
- 7+8. Trims
- 5. Gasket

Assembly 2:

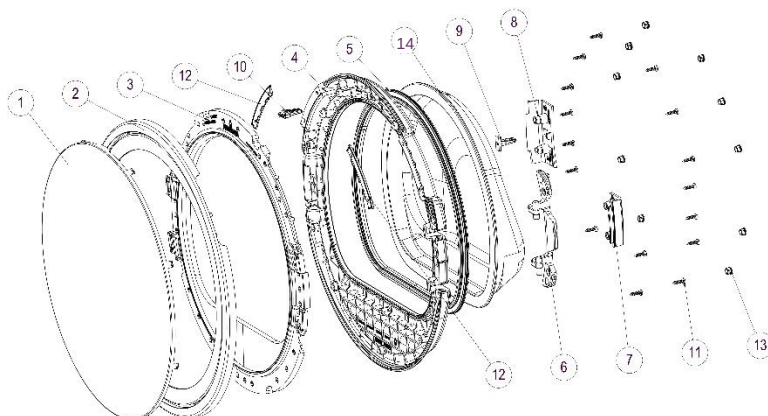
- 1. Outer frame (oriented as shown in the figure)
- 2. Inner frame
- 6. Hinge (positioned as shown in the figure)



Assemble unit 2 onto unit 1, rotating unit 2 as shown in the picture, then secure it with screws (11) and close the holes with caps (12).

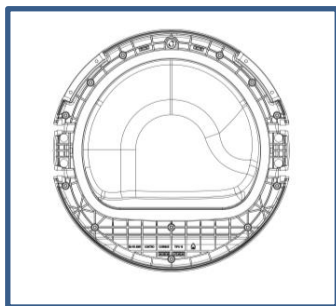
Door 10 – right hand opening

Prepare the two assemblies in the following order:



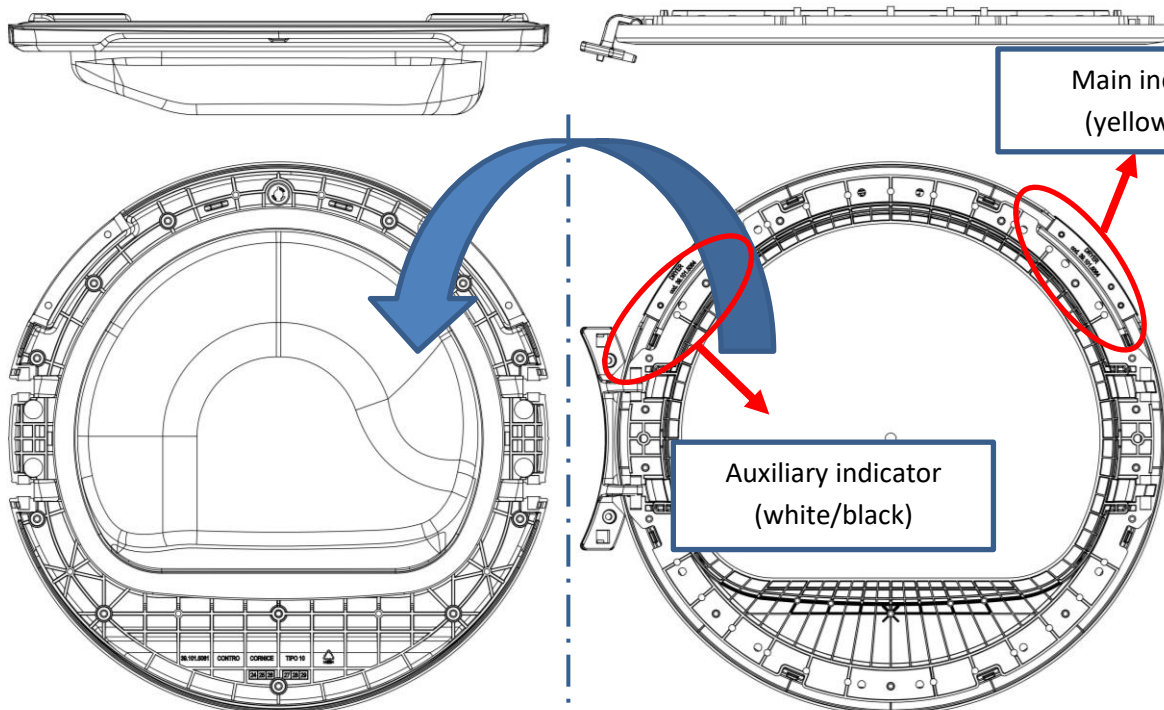
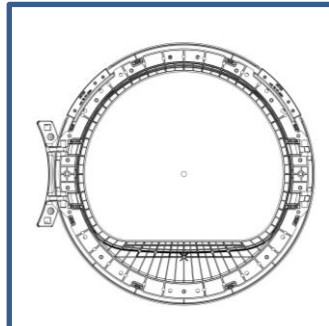
Assembly 1:

- 14. Glass
- 4. Counter-frame
- 10. Circular pin
- 9. Door lock pin
- 7-8. Trims
- 5. Gasket



Assembly 2:

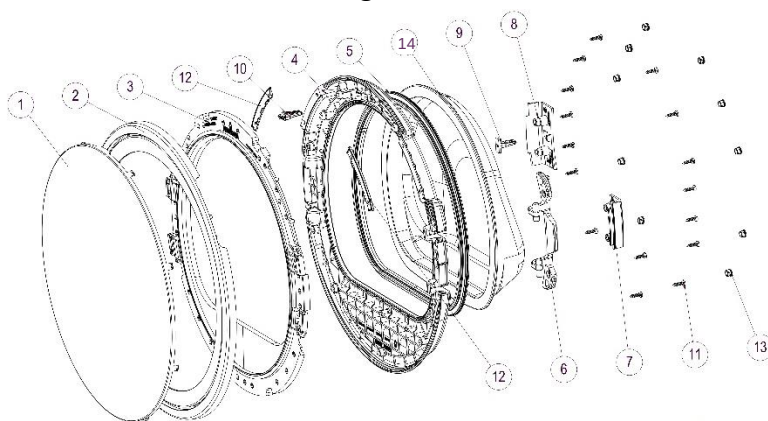
- 1. Disc
- 2. Outer frame
- 3. Inner frame
- 12. Hinge (positioned as shown in the figure)
- 13. Indicators



Assemble unit 2 onto unit 1, rotating unit 2 as shown in the picture, then secure it with screws (11) and close the holes with caps (13).

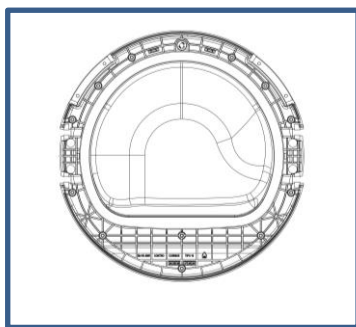
Door 10 – right hand opening

Prepare the two assemblies in the following order:



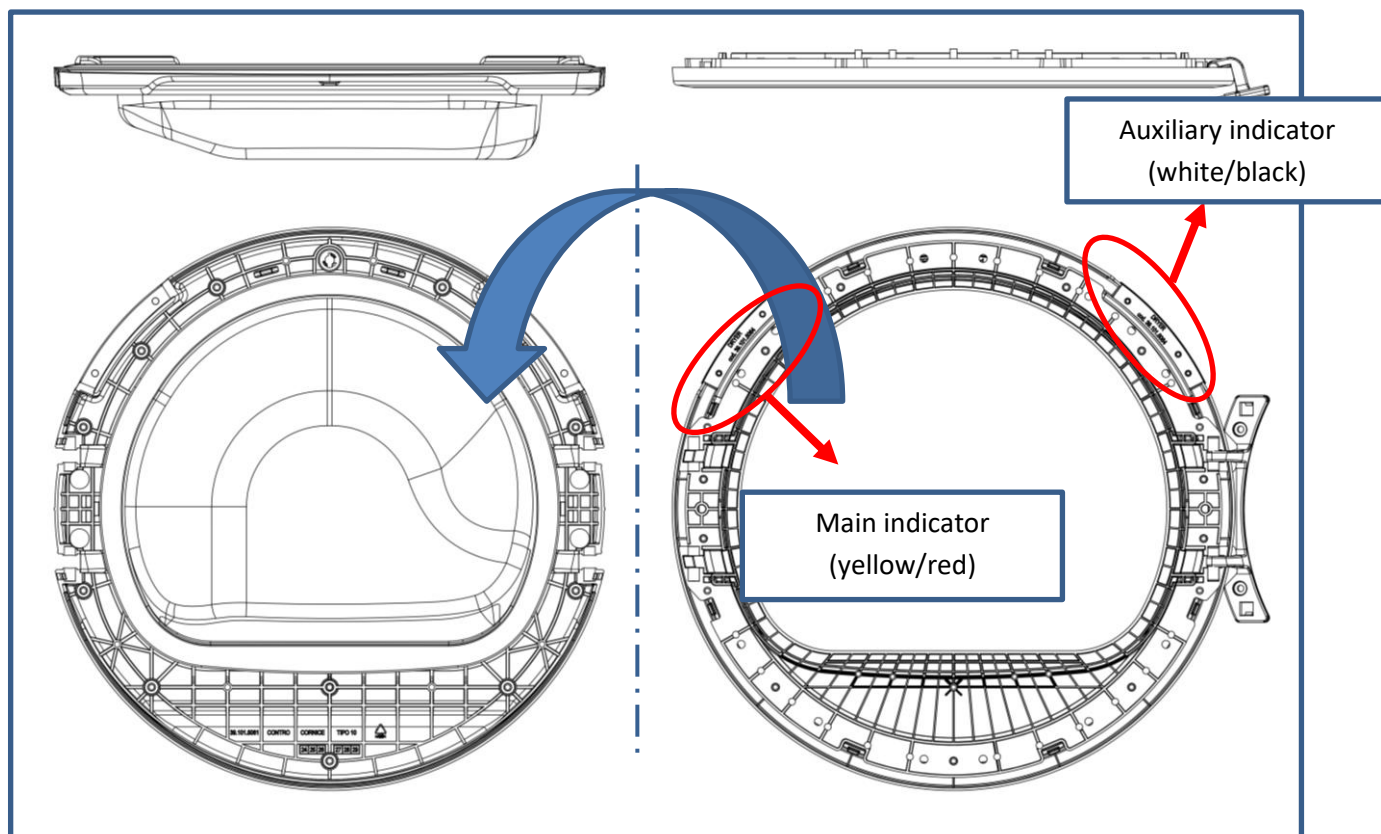
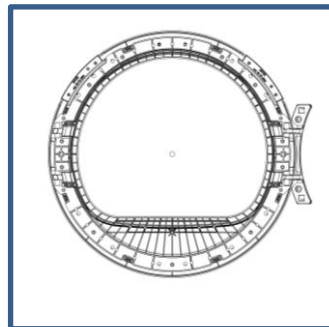
Assembly 1:

- 14. Glass
- 4. Counter-frame
- 10. Circular pin
- 9. Door lock pin
- 7-8. Trims
- 5. Gasket



Assembly 2:

- 4. Disc
- 5. Outer frame
- 6. Inner frame
- 14. . Hinge (positioned as shown in the figure)
- 15. Indicators

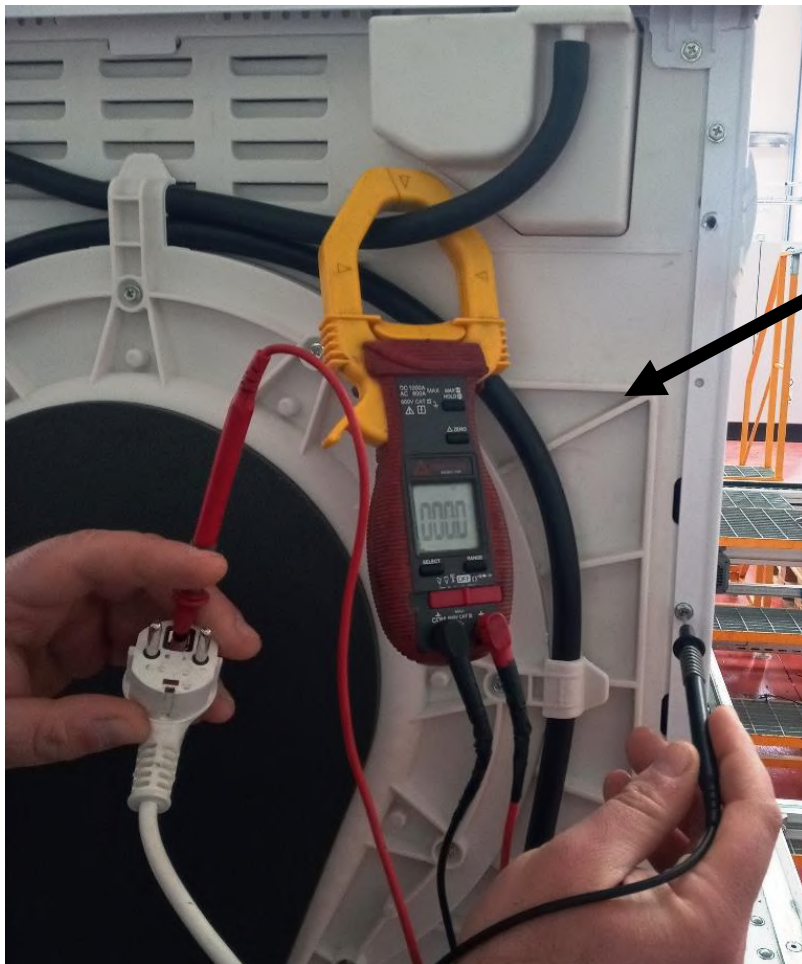


Assemble unit 2 onto unit 1, rotating unit 2 as shown in the picture, then secure it with screws (11) and close the holes with caps (13).

10. CHECKS BEFORE COMPLETING MAINTENANCE

At the end of each repair, before releasing the appliance, it is necessary to verify that all main grounding connections are correctly in place.

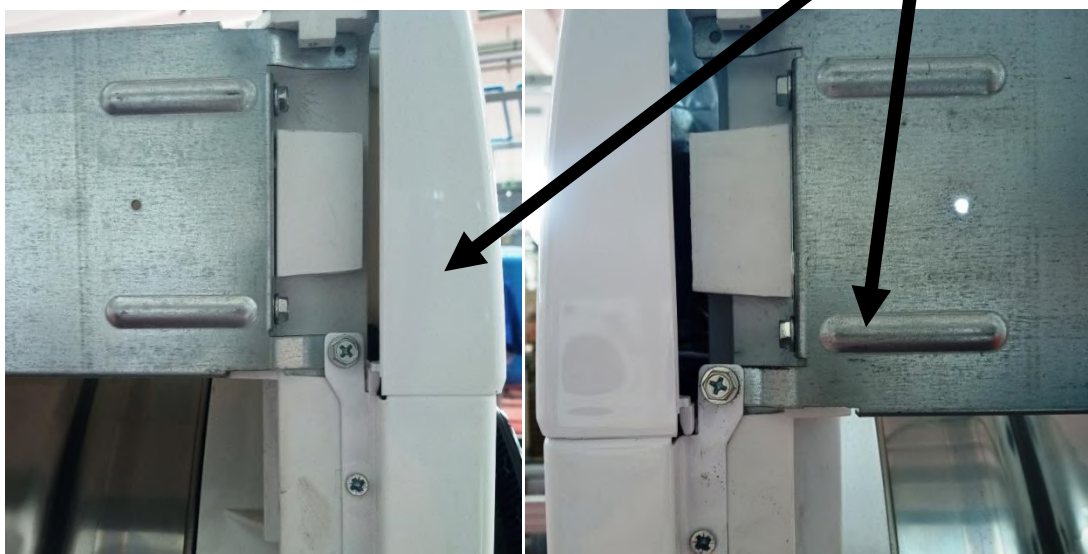
For the check, a multimeter is required to verify continuity.



Check that there is continuity between the ground pin of the power supply cable and the screws of the right-side panel.

If there is no continuity, check that the screws connecting the front panel to the side brackets are properly tightened.

Do not overtighten to avoid stripping the threaded hole.



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