

TUMBLE DRYER SERVICE MANUAL

CONDENSER F1 PANEL





CUSTOMER SUPPORT

CONTENTS

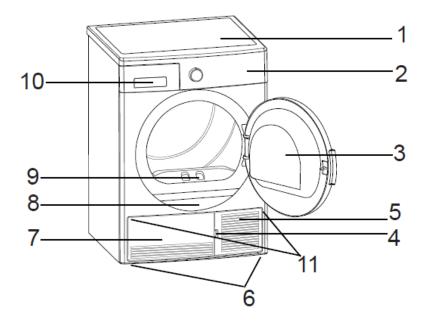
1.	OVERVIEW AND WORKING PRINCIPLE	3
2.	TECHNICAL SPECIFICATIONS	4
3.	INSTALLATION	4
	3.1. Issues that should be informed to customer	4
4.	CONTROL PANEL AND PROGRAM SELECTION TABLE	5
	4.1. Control Panel	5
	4.2. Program List	5
	4.3. Children's Safety	6
5.	FAILURE MODES AND SERVICE AUTOTEST	7
	5.1. Failure Modes and Warning Leds	7
	5.2 Service Auto Test Steps	9
6.	DISASSEMBLY	10
	6.1. Top Plate	10
	6.2. Control Panel and Electronic Card	11
	6.3. Side Panel	14
	6.4. Supply Cable	16
	6.5. Emi Filter	17
	6.6. Rear Cover	18
	6.7. Air Guide Bracket	20
	6.8. Heater	21
	6.9. Rear Panel	26
	6.10. Rear Isolation Group	30
	6.11. Pump	31
	6.12. Process Fan	34
	6.13. Water Tank Housing	35
	6.14. Drum	37
	6.15. Capacitor	39
	6.16. Motor	40
	6.17. Belt	41
	6.18. Humidity Sensor	42
	6.19. Door Latch	43
	6.20. Condenser Drawer Cover	44



CUSTOMER SUPPORT

	6.21. Plinth	46
	6.22. Plinth Cover	47
	6.23. Door	48
	6.24. Drum Bearing Wheel	49
	6.25. Drumlight	50
	6.26. Front Panel	51
	6.27. NTC Sensor	52
	6.28. Side Bracket	53
	6.29. Front Shield	55
	6.30. Front Isolation Foam	56
	6.31. Cable Group	57
7.	COMPONENT SPECIFICATIONS AND MEASUREMENTS	59
	7.1. Motor	59
	7.1.1. Motor Measurements	60
	7.2. Pump	61
	7.2.1 Pump Measurements	62
	7.3. Electronic Card	63
	7.4. Door/Heater NTC Sensor	64
	7.4.1. Door NTC Sensor Measurements	65
	7.4.2.Heater NTC Sensor Measurements	65
	7.5. Heater	66
	7.5.1. Heater Measurements	67
	7.6. Door Latch	68
	7.6.1 Door Latch Measurements	68
	7.7. Humidity Sensor	69
	7.7.1 Humidity Sensor Measurements	69
	7.8. Condenser	70
	7.9. Drumlight	70
_	TROUBLECHOOTING	74

1. OVERVIEW AND WORKING PRINCIPLE



- 1. Top Plate
- 2. Control Panel
- 3. Loading Door
- 4. Plinth opening slot
- 5. Plinth
- 6. Adjustable feet
- 7. Plinth cover
- 8. Type plate
- 9. Lint Filter
- 10. Drawer cover
- 11. Ventilation Grills

Working Principle:

In the dryer machine, heated air is sent to the wet laundry in the drum. The humidity of the laundry is taken and reaches the condenser via filter. (At the same time, cold air taken from the environment is sent to condenser by the cooling fan. Thus, the condenser surface is cooled.) The hot and humid air from the drum is reached cold condenser surface and the humidity on it is left as water. The condensing water is collected at the pump reservoir and pumped to the water tank by the pump.



CUSTOMER SUPPORT

2. TECHNICAL SPECIFICATIONS

Manufacturer	Vestel White Goods	
Capacity (max)	7 kg	8 kg / 9kg
Height	Min: 845mm Max: 855 mm	Min: 845mm Max: 855 mm
Depth	563 mm	609 mm
Width	596 mm	596 mm
Net weight (with plastic door)	35,2 kg	36,5 kg
Net weight (with glass door)	37,5 kg	38,8 kg
Voltage	220-240 V	
Power	2700 W	
Supply Cord	H05V2V2-F 3G1,5 mm ²	
Working Temp.	+5°C - +35°C	

3. INSTALLATION

3.1. Issues that should be informed to customer

- 1. Drying machine must be grounded.
- 2. Lint filter must be cleaned after each use
- 3. Water tank must be unloaded after each use
- 4. Condenser must be cleaned once in a month
- 5. The amount of laundry should be appropriate to program.
- 6. Only the laundry with "suitable for drying" label should be dried.
- 7. Children should not play with appliance
- 8. Ventilation grills should not be closed.
- 9. The service life time of tumble dryer is 10 years.
- 10. Adjustable feet should not be removed.
- 11. There should not be lockable or sliding door in the installation area
- 12. Never spray or pour water onto the dryer to wash it. There is a risk of electric shock.

Please ensure that customer reads the user manual

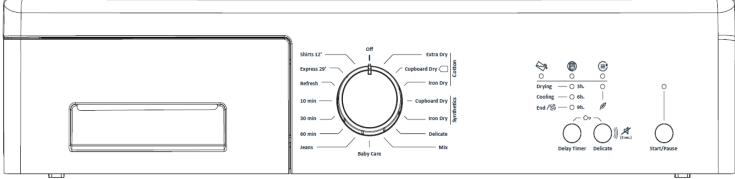
- 1. Check the environmental conditions. (Voltage, current etc.)
- 2. Ensure that product is used correctly
- 3. Check the machine with **Service Auto Test**. If the system displays failure code, find the corresponding code in the failure code list then act according to this
- 4. Check the electronic connections
- 5. Make sure that cables and hoses are organized



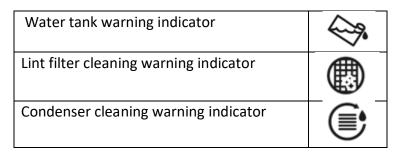
CUSTOMER SUPPORT

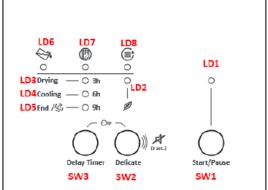
4. CONTROL PANEL AND PROGRAM SELECTION TABLE

4.1. Control Panel



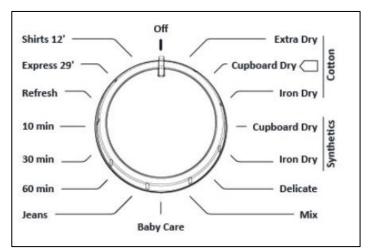
Display Symbols





4.2. Program List

KNOB POSITION	PROGRAM
1	Cotton Extra Dry
2	Cotton Cupboard Dry
3	Cotton Iron Dry
4	Synthetics Cupboard Dry
5	Synthetics Iron Dry
6	Delicate
7	Mix
8	Baby Care
9	Jeans
10	60 min
11	30 min
12	10 min
13	Refresh
14	Express 29'
15	Shirts 12 '
16	OFF



***The machine has humidity sensor that detects whether the laundry dry or not. At the programs that work with humidity sensor laundry does not dry in fixed time. Duration is constantly updates according to humidity data taking from laundry.



CUSTOMER SUPPORT

***Time Drying Program: 60min /30min / 10min Humidity sensor is deactivated. The program ends when the time is up, without checking the humidity of the laundry.

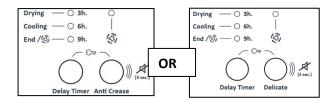
***Express 29'/ Shirts 12': Humidity sensor is activated. The program time may extend, if the customer use different laundry according to the load in the program description.

Express 29': 2 kg of cotton shirts spun at a high speed in the washing machine are dried in 29 minutes.

Shirts 12': 2 to 3 shirts are ready for to be ironed in 12 minutes.

***Delicate: Delicate fabrics are dried for a longer time at a low temperature.

4.3. Children's Safety



There is a child lock option to avoid changes in the program flow when keys are pressed during the program.

There are 2 version of the panels; which are Delicate or Anti Crease .To activate child lock;

If It is Anti Crease panel, press and hold "Delay Timer" and " Anti-Crease " keys simultaneously for 3 seconds.

If it is Delicate panel, press and hold "Delay Timer" and "Delicate" keys simultaneously for 3 seconds

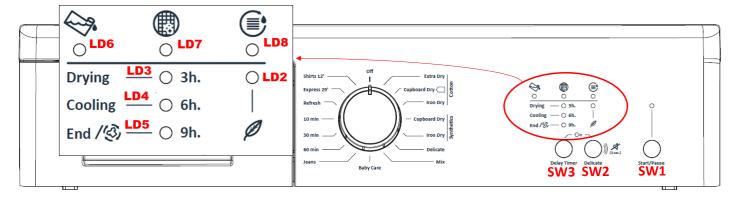
When the child lock is active, all keys will be deactivated. Child lock will be deactivated automatically at the end of the program. When activating/deactivating the child lock, the leds of the "Anti-Crease" and "Delicate Drying" options will flash and an audible warning will be heard.



CUSTOMER SUPPORT

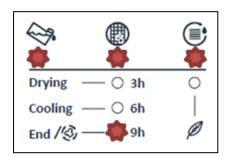
5. FAILURE MODES AND SERVICE AUTOTEST

***Service auto test must be run for every service call.



5.1. Failure Modes and Warning Leds

	The filter might be clogged by lint	Clean the lint filter.
The filter and condenser cleaning warning leds are blinking	There might be a layer that causes obstruction on the surface of the lint filter.	Wash the lint filter with lukewarm water.
	The condenser might be clogged by lint	Wash and clean the condenser.



The case in the photo don't show us a failure code. (If it is don't blinking) Normally, when the drying program ends, the filter, water tank and end led are flashing. In addition, condenser cleaning warning led is on every 30 cycles.



CUSTOMER SUPPORT

F1 MODEL ERROR CODES			
ERROR CODE	WARNING LEDS	FAILURE MODES	
E03	© 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Aquaswitch connector is disconnected	
E04	○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	Heater connector is disconnected	
E05	○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	Heater NTC connector is disconnected	
E06	○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	Door NTC connector is disconnected	
E08	○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	Voltage fluctuation	

Notes for Service autotest:

^{*}Service cannot pass the current step before completing the minimum duration

^{*}When minimum duration for each step (5 sec) is completed, filter led makes **slow blink** to indicate that service can pass the next step

^{*}For error codes, leds must make **fast blink**

^{***}Power analyzer must be plugged and machine is connected to this analyzer.



CUSTOMER SUPPORT

5.2 Service Auto Test Steps

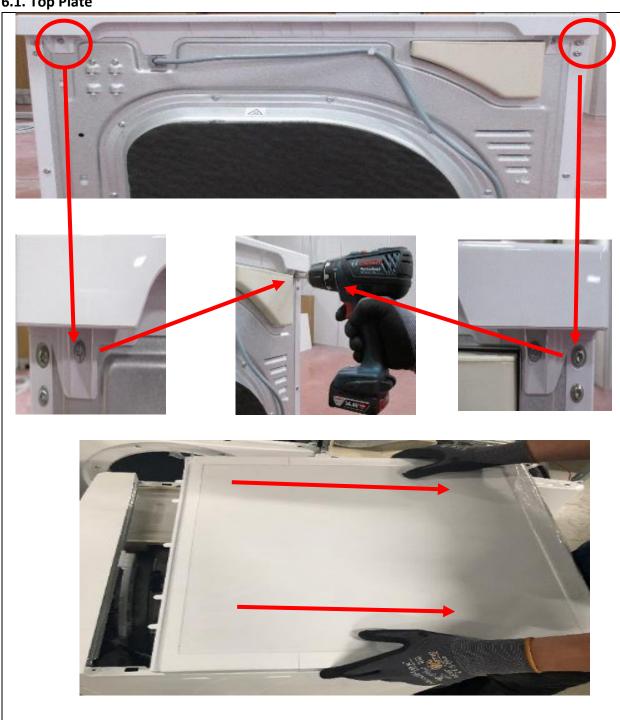
Steps	Control	Led	Possible Errors
Enter Servis Autotest	While pushing SW2 button for 5 sec, position knob to Program 1. Then press Start/Pause button. Machine enters to service autotest. All warning leds makes fast blink for 2 sec and then becomes fix off Machine will show the last error. When knob positioned to program 2, control steps starts.		
Step 2 (Knob Position 2)	Software check Aqua switch	LD6	Aqua switch connector is taken out Aqua switch connector is short circuit Styrofoam is broken or not
Step 3 (Knob Position 3)	Pump activation is checked by service person	-	Service must pour water to pump reservoir and check whether water is pumped to tank. If water is not pumped to water tank; Pump connector is taken out
Step 4 (Knob Position 4)	Motor motion is checked by service person Motor CCW (Drum CW)-Motor stops	-	Service must check whether drum is moving to CW. If not; Motor connector is taken out Motor might be locked Motor belt might be dislocated
Step 5 (Knob Position 5)	Motor motion is checked by service person Motor CW (Drum CCW) -Motor stops	-	Service must check whether drum is moving to CCW If drum is moving to CW again, then motor relay short circuit CCW
Step 6 (Knob Position 6)	Software checks heater NTC	LD3- LD5	Heater NTC connector is taken out or short circuit
Step 7 (Knob Position 7)	Software checks door NTC	LD2 - LD3	Door NTC connector is taken out or short circuit
Step 8 (Knob Position 9)	Heater power is checked by using energy analyzer by service Resistance (1600W+900 W)- Motor CCW (Drum CW) -motor off	-	Power of heater must be checked according to voltage of home***
Step 8 (Knob Position 9)	Service person check conductivity sensor when door is opened and motor is off by putting his hands on the conductivity sensor	LD2 - LD5	Service puts his hand on the humidity sensor plates and software checks sensor data If sensor data=0, humidity sensor connector may not be properly assembled. Check the assembly.



CUSTOMER SUPPORT

6. DISASSEMBLY

6.1. Top Plate

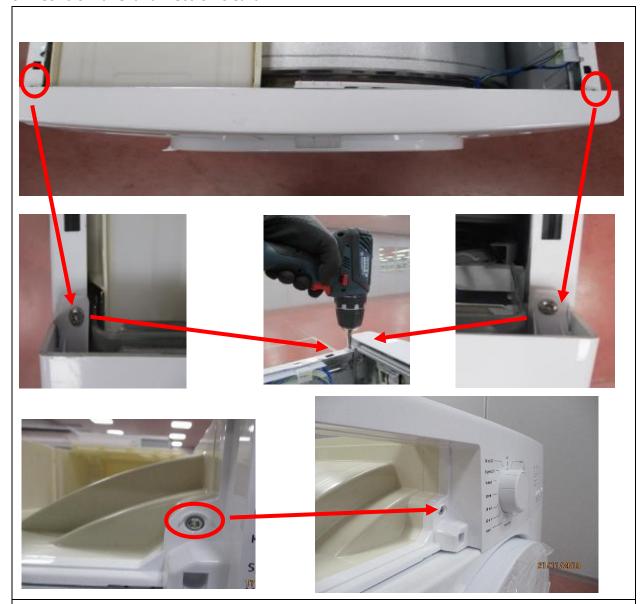


- 1. Remove two screws that fix the top plate at the back.
- 2. Remove by pulling the top plate to yourself.



CUSTOMER SUPPORT

6.2. Control Panel and Electronic Card

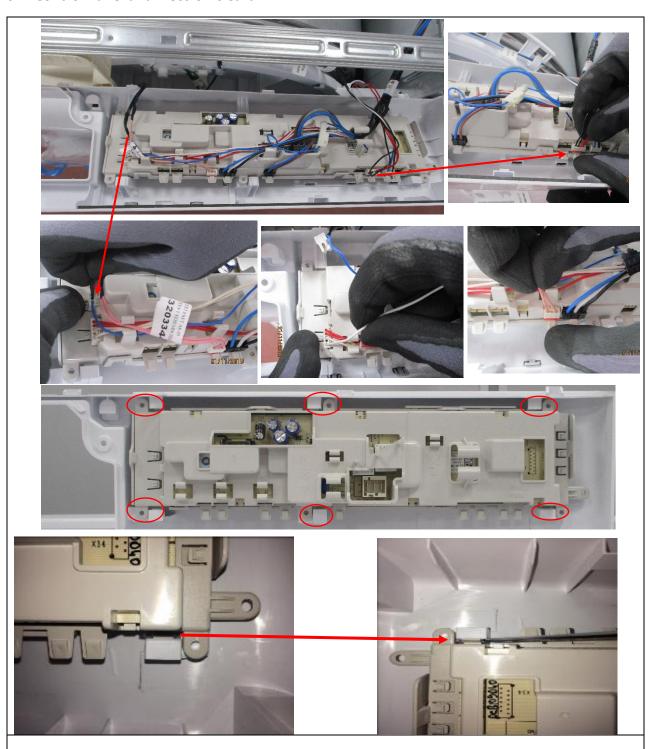


- 1. Remove 2 screws from the top.
- 2. After disassembly the water tank , remove 1 screw from front



CUSTOMER SUPPORT

6.2. Control Panel and Electronic Card

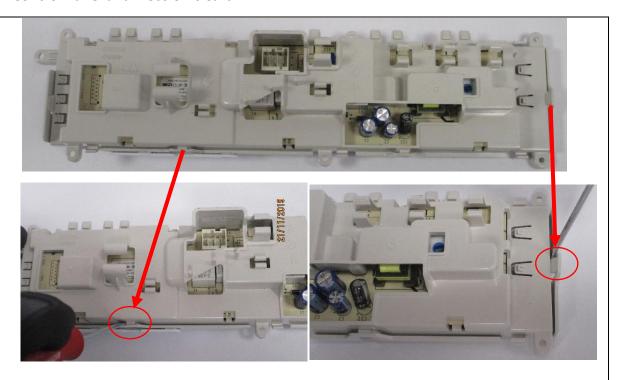


- 1. All sockets are removed from control panel
- 2. Remove the PCB box by pressing clips which provide fixing to panel So, PCB box will be separated from control panel



CUSTOMER SUPPORT

6.2. Control Panel and Electronic Card







- 1. For opening the PCB box, press the clips (6 units) Care should be taken not to break the clips here
- 2. The electronic card inside is removed from the nails.



CUSTOMER SUPPORT

6.3. Side Panel



1. To remove the side panels, first remove the 5 screws for each panel at the back.



CUSTOMER SUPPORT

6.3. Side Panel









- 2. 2 Screws fixed to front bracket with side panels are removed for both panels.
- 3. 2 Screws fixed to basement plastic with side panels are removed for both panels.
- 4. Side panel must be removed by sliding it up as shown in the picture



CUSTOMER SUPPORT

6.4. Supply Cable









- 5. Remove the supply cable brown and blue cable socket.
- 6. Remove the terminals with tool as shown in the photo
- 7. Remove supply cord by pushing up



CUSTOMER SUPPORT

6.5. Emi Filter









- 1. There are two heater cable sockets on the outside of the EMI filter, and two power supply sockets (brown left-blue right) on the inside of the EMI filter. They are removed.
- 2. Remove grounding cable
- 3. Remove the screws on EMI filter.



CUSTOMER SUPPORT

6.6. Rear Cover



1. Remove all screws on the rear cover shown in the picture.



CUSTOMER SUPPORT

6.6. Rear Cover



2. Disassemble the rear cover after the screws have been removed.



CUSTOMER SUPPORT

6.7. Air Guide Bracket

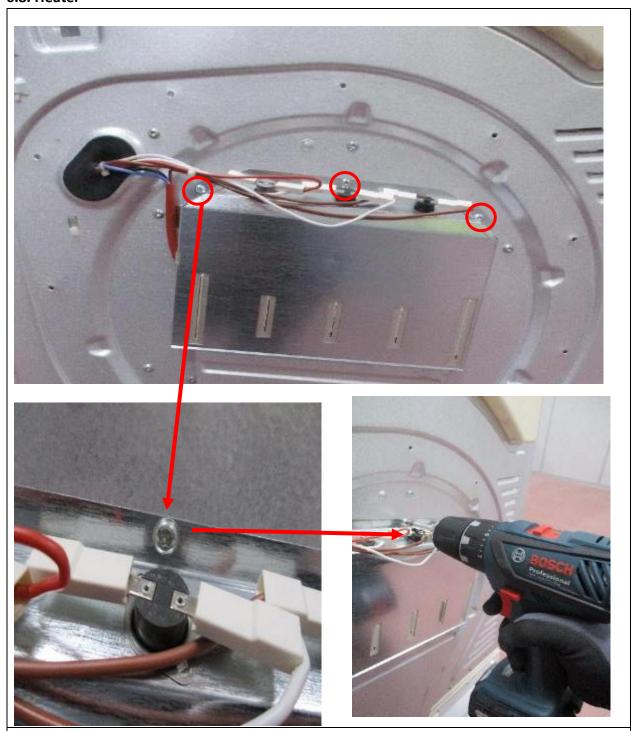


1. Remove 4 screws of air guide bracket located under the heater



CUSTOMER SUPPORT

6.8. Heater



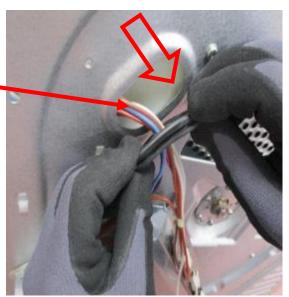
1. Disassemble the heater by removing 3 screws on heater



CUSTOMER SUPPORT

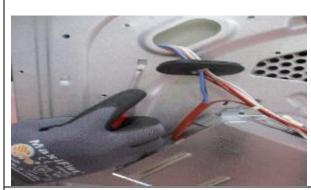
6.8. Heater











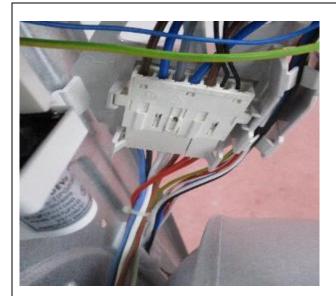


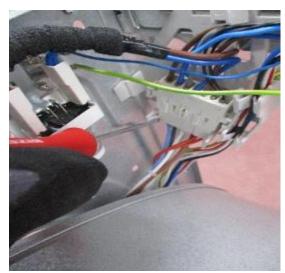
- 2. In the rear panel, the gasket on the cable group is removed.
- 3. The heater cable holder screw is removed.

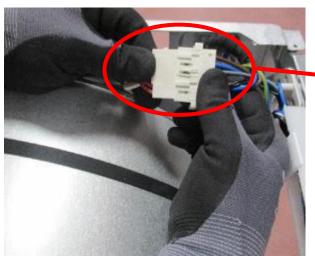


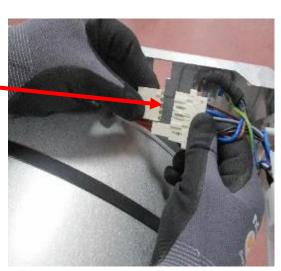
CUSTOMER SUPPORT

6.8. Heater











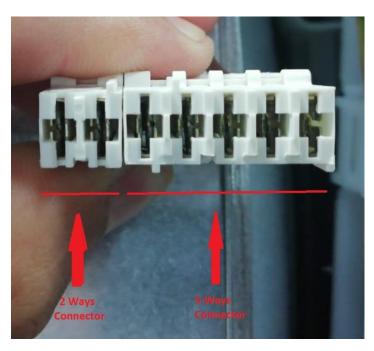


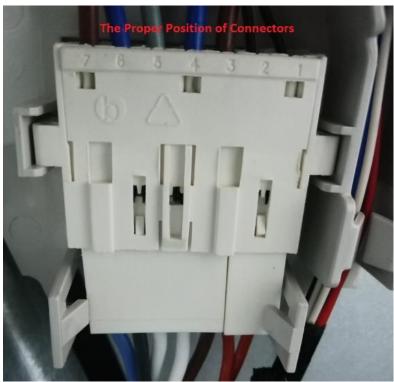
- 4. Remove the heater cable group from connector and cable holder plastic.
- 5. Heater cable holder also fixed by attachment on rear panel. After the reassembling, the attachment on rear panel must be checked.
- 6. The heater is disassembled



CUSTOMER SUPPORT

6.8. Heater



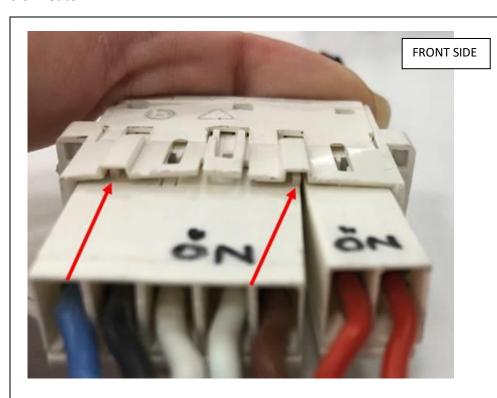


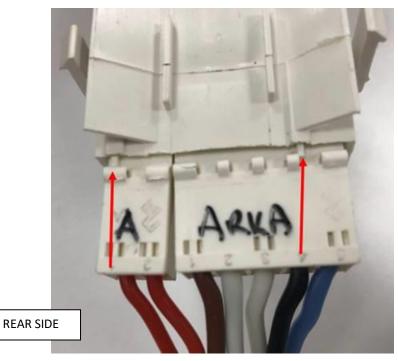
After the reassembling; position of the heater socket is important. 2 ways connector and 5 ways connector should be fixed properly.



CUSTOMER SUPPORT

6.8. Heater



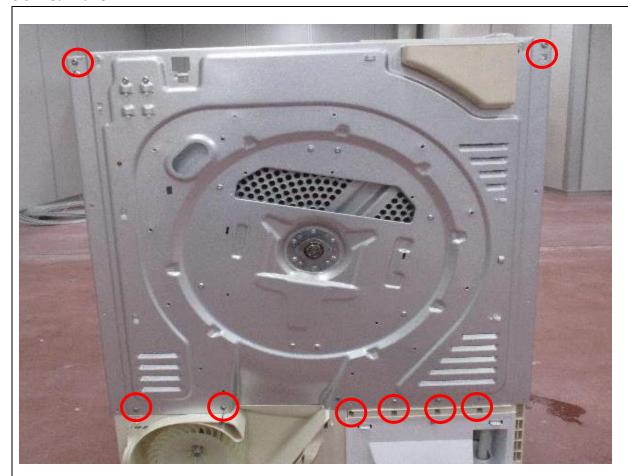


As shown in the photo, there are poka yoke on the sockets to avoid improper installation.



CUSTOMER SUPPORT

6.9. Rear Panel



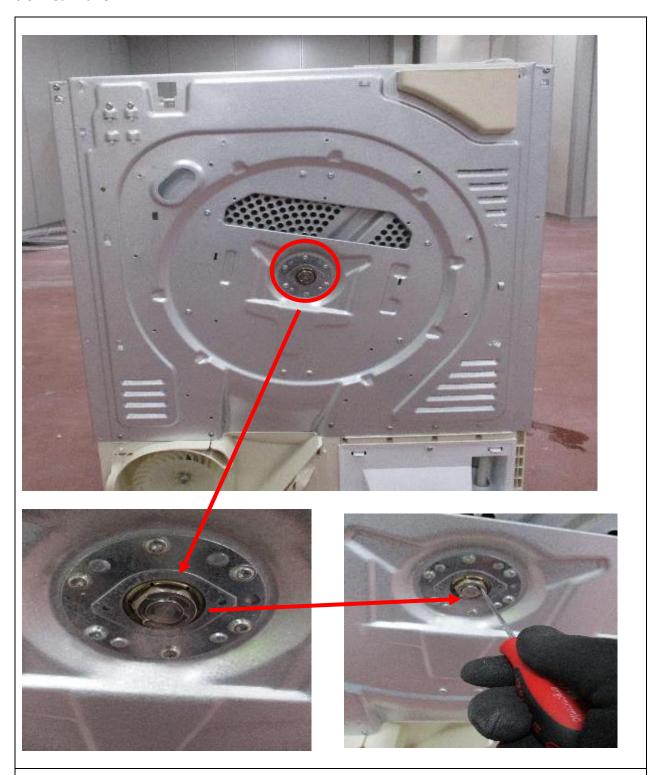


1. Remove the screws on rear panel.



CUSTOMER SUPPORT

6.9. Rear Panel



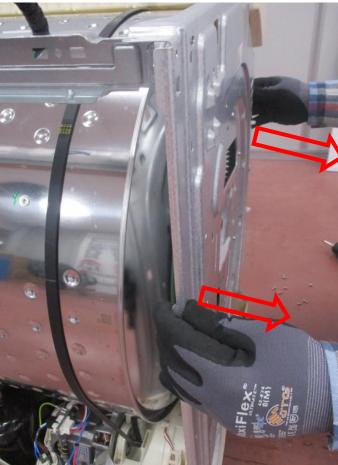
2. Remove the segment on drum shaft.



CUSTOMER SUPPORT

6.9. Rear Panel





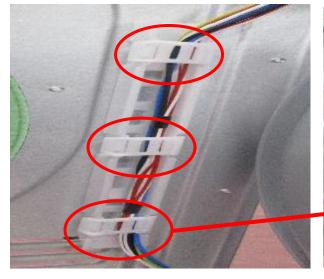
- 3. Remove hoses from rear panel
- 4. Remove the rear panel by pulling to yourself.



CUSTOMER SUPPORT

6.9. Rear Panel







5. Remove the cable group by opening the cable holder plastic canal.



CUSTOMER SUPPORT

6.10. Rear Isolation Group







1. For disassembling the rear Isolation group on rear panel, screws are shown in the photo should be removed.



CUSTOMER SUPPORT

6.11. Pump





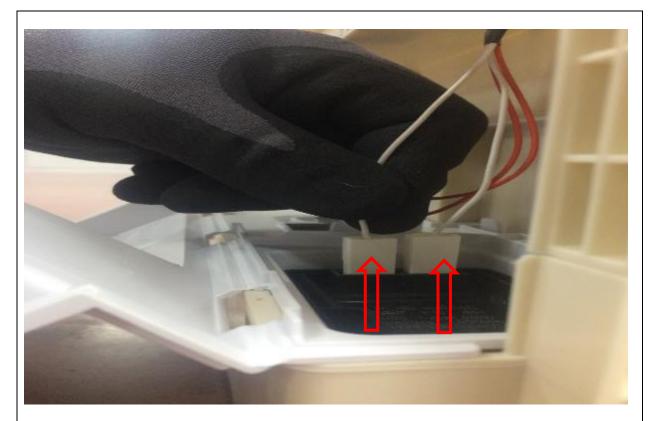


- 2. Remove the screw on pump cover
- 3. Open pump holder plastic cover



CUSTOMER SUPPORT

6.11. Pump





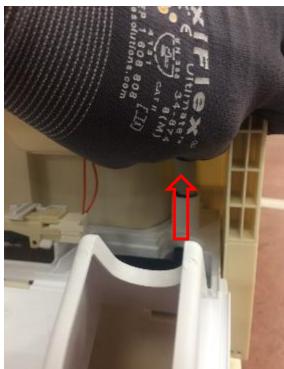
- 4. Remove pump connector
- 5. Remove connection of aqua switch

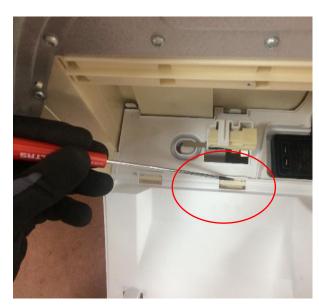


CUSTOMER SUPPORT

6.11. Pump









- 5.Remove 2 hoses that is connected with pump
- 6. Remove pump holder plastic by



CUSTOMER SUPPORT

6.12. Process Fan







- 1. Remove the process fan by holding fan as shown in the photo.
- 2. For process fan disassembly, nut and flake should be removed. While cooling fan holding, sharp object should not be used.



CUSTOMER SUPPORT

6.13. Water Tank Housing





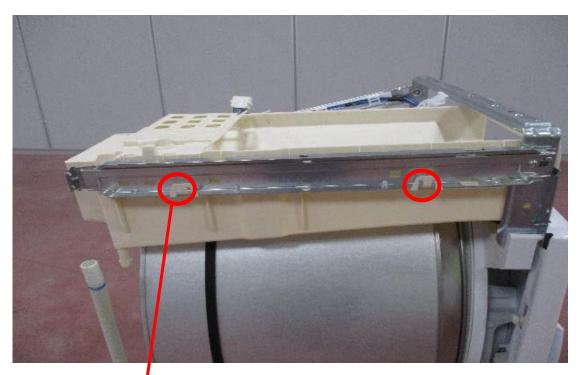


1. Remove Suction and Pressure hoses as shown in the photo.



CUSTOMER SUPPORT

6.13. Water Tank Housing







- 2. Clips fixed to water tank housing with side bracket are removed.
- 3. Remove water tank housing as shown in the photo



CUSTOMER SUPPORT

6.14. Drum







- 1. Motor should be moved up to prevent to press spring. So, belt will be released as shown in the photo.
- 2. Spring must not be stretched more than 40 mm. End and beginning of the spring must not be deformed.



CUSTOMER SUPPORT

6.14. Drum



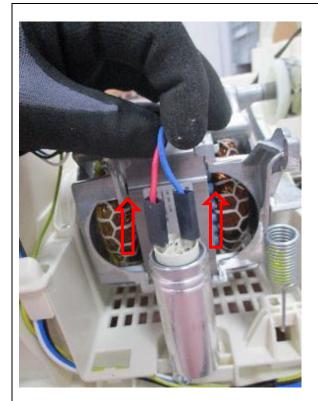


- 3. Remove the belt on the drum.
- 4. Pull up the drum to separate with basement plastic. Then, pull back to remove

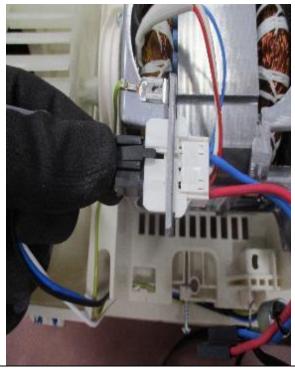


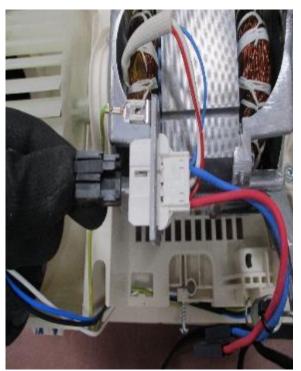
CUSTOMER SUPPORT

6.15. Capacitor







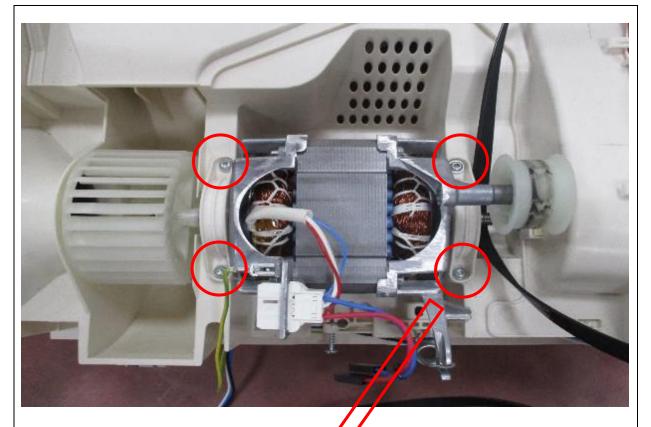


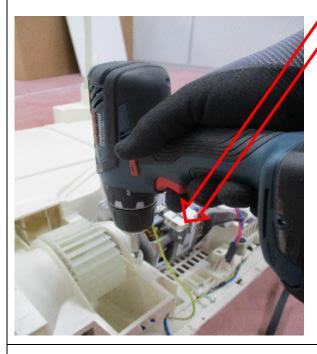
- 1. Remove capacitor sockets
- 2. Remove the screw on bottom of capacitor then disassemble the capacitor
- 3. After, you can remove the motor sockets for disassemble the motor.

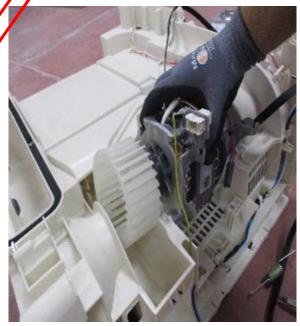


CUSTOMER SUPPORT

6.16. Motor







- 4. Remove screws on motor fixing plastics.
- 5. Remove the motor by pulling up



CUSTOMER SUPPORT

6.17. Belt



1. After you should remove drum and motor than change the belt.



CUSTOMER SUPPORT

6.18. Humidity Sensor









- 1. Screws of humidity sensor plastic are removed.
- 2. Remove humidity sensor cable as shown in the photo.
- 3. Remove humidity sensor sheet holder plastic

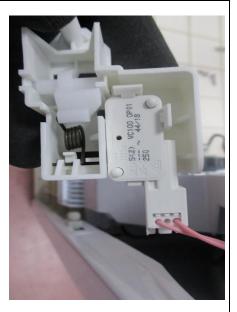


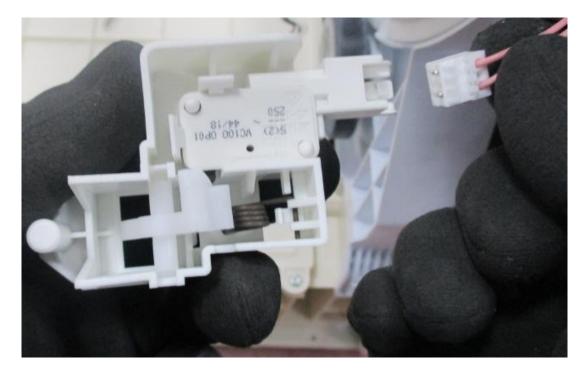
CUSTOMER SUPPORT

6.19. Door Latch









- 1. Remove door latch screw from front panel.
- 2. Separate the door latch socket from door latch as shown in the photo.

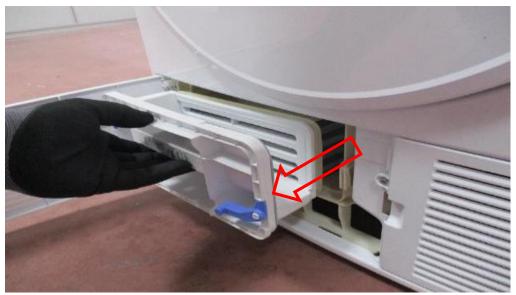


CUSTOMER SUPPORT

6.20. Condenser Drawer Cover







1. Open the condenser drawer cover lock plastic, then pull back the condenser.

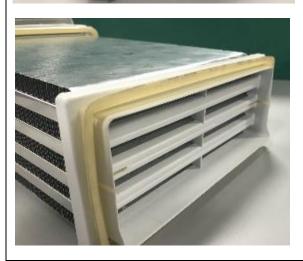


CUSTOMER SUPPORT

6.20. Condenser Drawer Cover









- 2. The clips around the condenser removed from the slot, as shown in the photo.
- 3. After remove the cover, cassette part remains from condenser.



CUSTOMER SUPPORT

6.21. Plinth



1. Remove 2 plinth pin on plinth cover as shown in the photo.



CUSTOMER SUPPORT

6.22. Plinth Cover



- 1. Remove the screw on plinth.
- 2. Disassemble the plinth by remove the attachment of plinth.



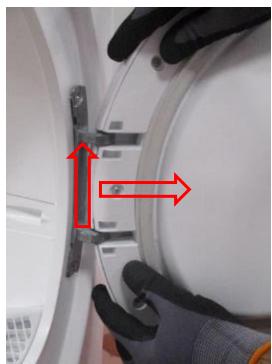
CUSTOMER SUPPORT

6.23. Door









- 3. Remove two screws on door hinge.
- 4. Pull the door as shown in the photo.



CUSTOMER SUPPORT

6.24. Drum Bearing Wheel







1. Remove wheels as shown in the photo



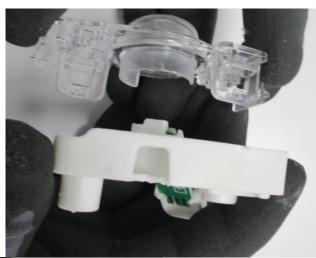
CUSTOMER SUPPORT

6.25. Drumlight









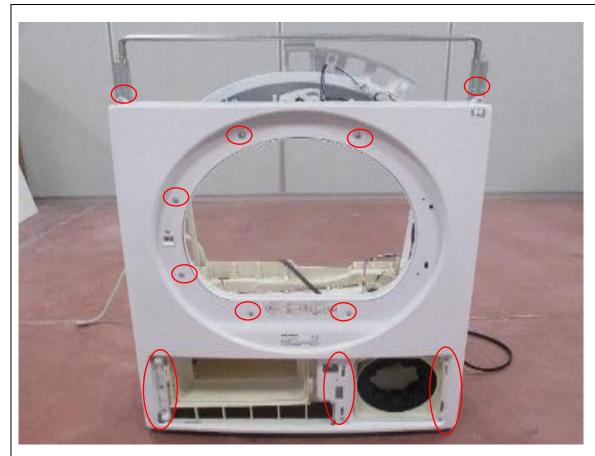


- 1. Remove Drumlight group from Front Shield
- 2. Remove the drum light socket.
- 3. Remove the drum light card.

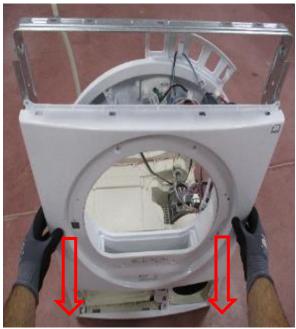


CUSTOMER SUPPORT

6.26. Front Panel







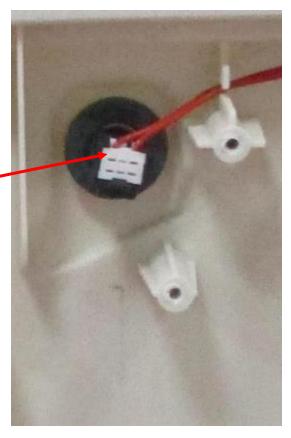
- 1. All screws on front panel are removed.
- 2. Pull back the front panel to remove



CUSTOMER SUPPORT

6.27. NTC Sensor







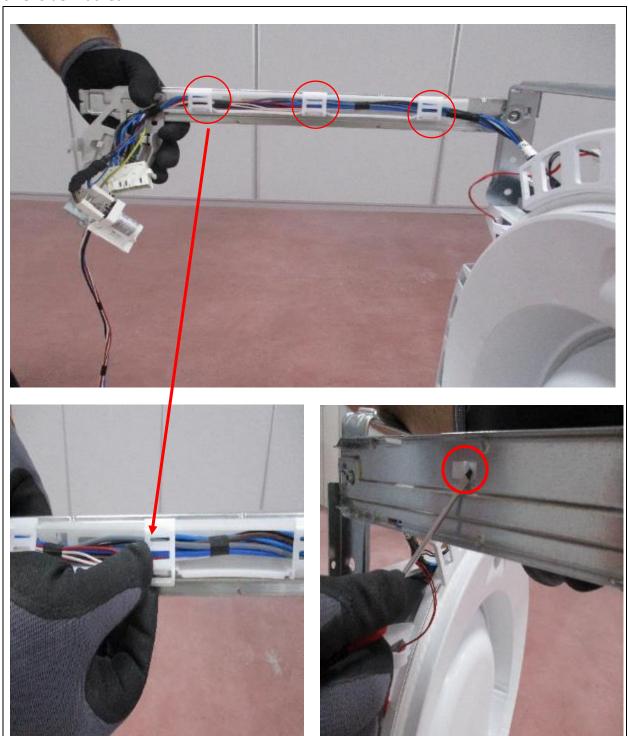


- 1. Remove NTC sensor socket.
- 2. Pull back the sensor from basement plastic.



CUSTOMER SUPPORT

6.28. Side Bracket

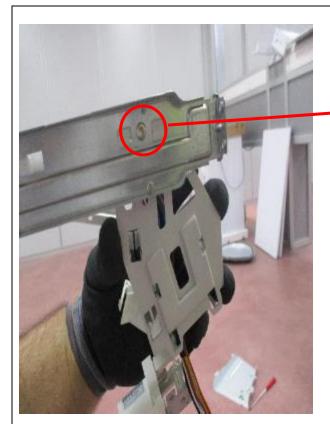


- 1. Open clips of the side cable holder plastic canal.
- 2. Clips fixed to bracket with cable holder plastic canal are removed as shown in the photo.



CUSTOMER SUPPORT

6.28. Side Bracket









- 1. Remove the heater cable holder plastic.
- 2. The screw fixed to side bracket with top bracket is removed.



CUSTOMER SUPPORT

6.29. Front Shield







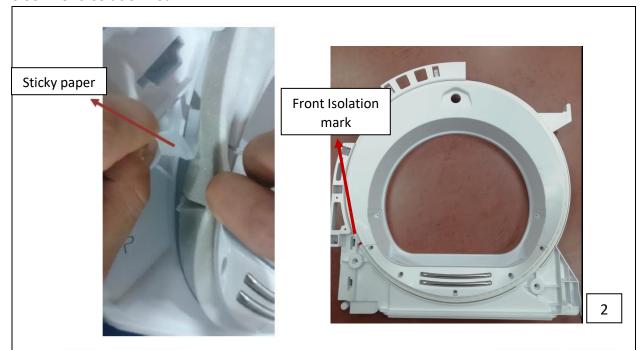


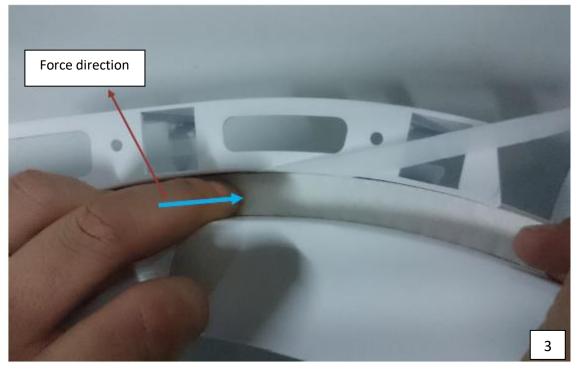
- 1. Remove two screws fixed of front shield with basement plastic.
- 2. Open clips on the left side as shown in the photo.
- 3. Front shield is lifted as shown in the photo. Remove plastic pin on the right side.



CUSTOMER SUPPORT

6.30. Front Isolation Foam



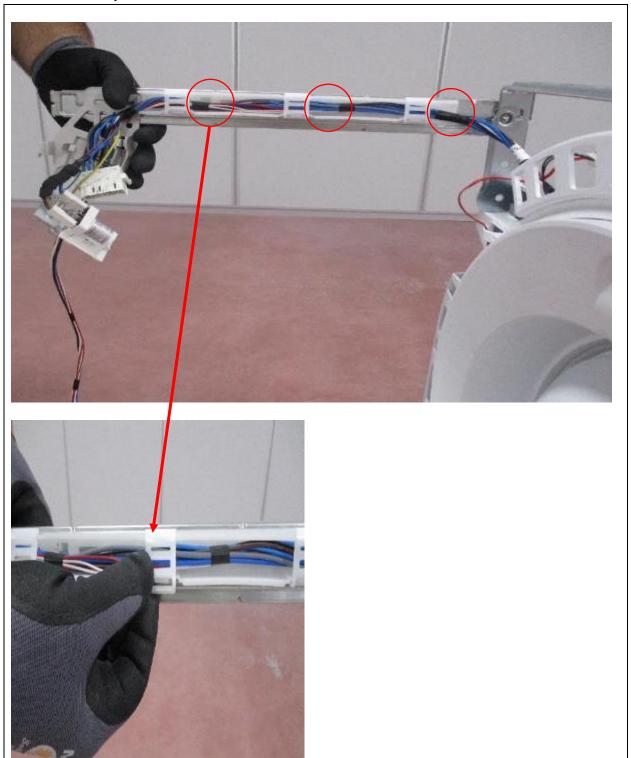


- 1. It is important to install the new felt correctly after it has been removed from the slot at the front shield.
- 2. Before Sticky paper is opened, front isolation foam should be placed to slot on front shield. Front isolation foam mark should be on left bottom of front shield.
- 3. Stick the foam on front shield as shown in the photo.
- 4. Isolation should be centered on slot



CUSTOMER SUPPORT

6.31. Cable Group

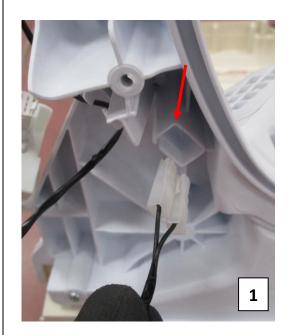


- 1. Open the cable holder plastic clips on side bracket.
- 2. Remove cable holder plastic fixing clips as shown in the photo.



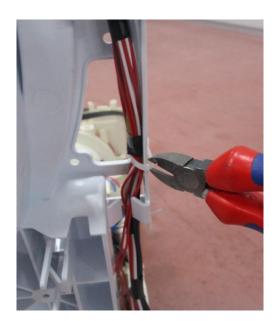
CUSTOMER SUPPORT

6.31.Cable Group





2



3

- 1. Humidity Sensor Cable
- 2. Door Latch Socket Cable
- 3. Cable Group on Front Shield

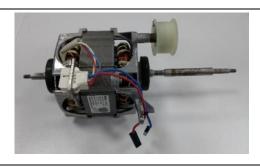


CUSTOMER SUPPORT

7. COMPONENT SPECIFICATIONS AND MEASUREMENTS

7.1. Motor

The dryer has an asynchronous motor. In the photo on the right, the socket on the motor are shown to be measured by multiple counters. It is driven with triac via the electronic card (to give energy) and relay (for direction control).



Technical Features

Type: single-phase asynchronous motor

Power: 200 W (Unloaded drum) Main windings: 21.5±7% (20 °C temp.) Aux windings: 19.5±7% (20 °C temp.) Motor speed: 2750 rpm (Unloaded drum)

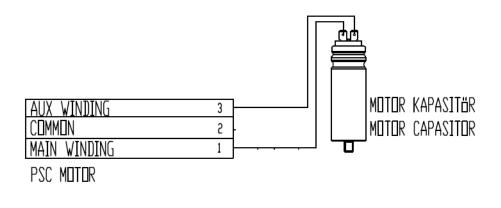
Drum speed: 52 ± 2

Capacitor value: 11 µF ± %5

Component Test

- Check whether the motor cable is connected to the motor connector.
- Check the connection of the capacitor cables
- Measure the resistance values and check the capacitor values
- Check whether it is working by connecting via the terminals 1 and 2 (Blue-White) connection
- If it is working, revolution of the drum is measured in unloaded state.

The terminals 1-3 of the motor should be connected with capacitor Resistance measurement of main winding: Terminal 1 -2 (Blue-White) is measured. Resistance measurement of aux winding: Terminal 3 -2 (Red-White) is measured.





CUSTOMER SUPPORT

7.1.1. Motor Measurements





CUSTOMER SUPPORT

7.2. Pump

In Tumble Dryer models, the pump is used to transport the water that accumulates in the condensation chamber to tank in the drawer area. One triac is measured on the electronic card.



Technical Features

Resistance: 764±10% ohm

Voltage: 220-240 Volt Frequency: 50 Hz Input Power: 13W max

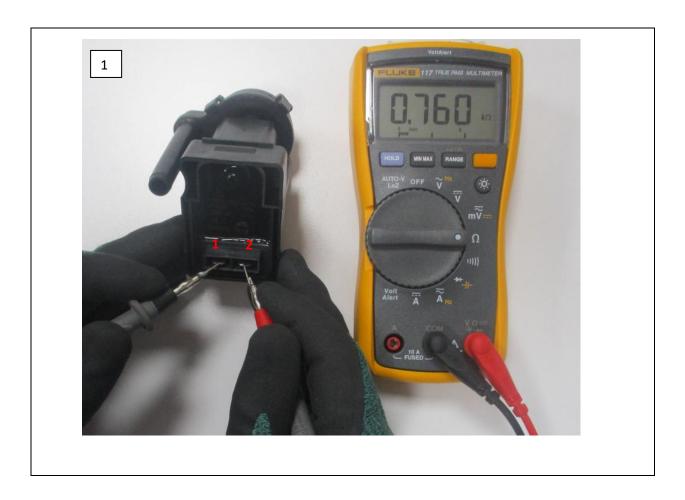
Component Test

- Check the connection of the pump connector
- Check the pump resistances
- Check whether pump is working, by feeding externally
- If the pump is working, the water in the tank is unloaded by running the pump Then,
 Unload 500 ml of water from water tank to pump reservoir and check whether water is pumping.
- While pump is working, if water is not reached into water tank, hoses should be checked.



CUSTOMER SUPPORT

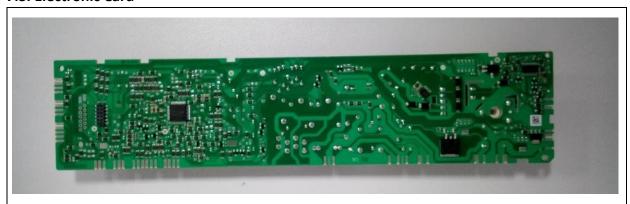
7.2.1 Pump Measurements

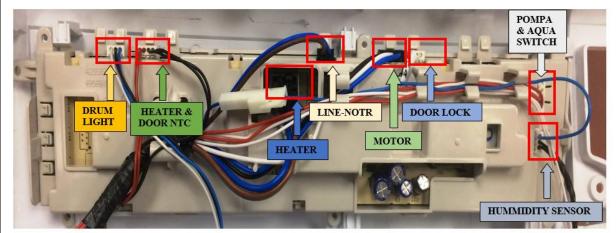




CUSTOMER SUPPORT

7.3. Electronic Card





Technical Features

Electronic card is single sided printed circuit board and CEM-1 material

The upper picture shows where the components are inserted.



CUSTOMER SUPPORT

7.4. Door/Heater NTC Sensor

Two NTC sensors are used. The NTC resistance decreases when the temperature rises. The heater works till the temperature reach required value.



Technical Features

Door NTC Resistance : 12 k Ω (Measured from IDC connected to electronic card) (20 °C temp.)

Heater NTC Resistance : 19.5 k Ω (Measured from IDC connected to electronic card) (20 °C temp.)

Component Test

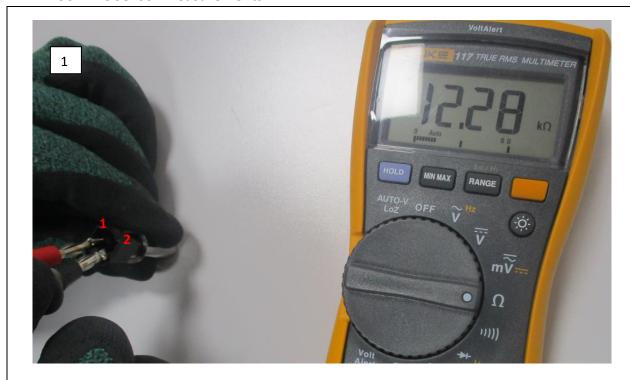
- Resistance is measured from IDC connected to electronic card
- If the resistance cannot be measured, (from door,7-pin sockets or heater) check the connector connections of the NTCs
- If there is no problem about connector , check whether there is break in the cables by using multimeter





CUSTOMER SUPPORT

7.4.1. Door NTC Sensor Measurements



7.4.2.Heater NTC Sensor Measurements

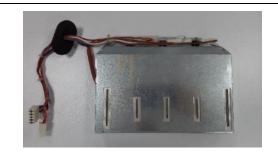




CUSTOMER SUPPORT

7.5. Heater

Resistance is the component used to increase the temperature of the air in the drum. It consists of two stages (1600+900=2500W). It is controlled by two relays via electronic card.



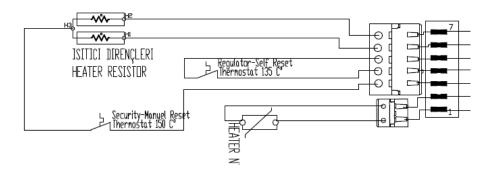
Technical Features

Type: Open spiral heater

Nominal Power and Voltage: 230VAC, 1600+900 W = 2500 W \pm %5

Resistance : 1600 W stage 1 (33.44 Ω ± %5) – measured from terminal 3 and 6

: 900 W stage 2 (59.45 Ω ± %5) – measured from terminal 3 and 7



Component Test

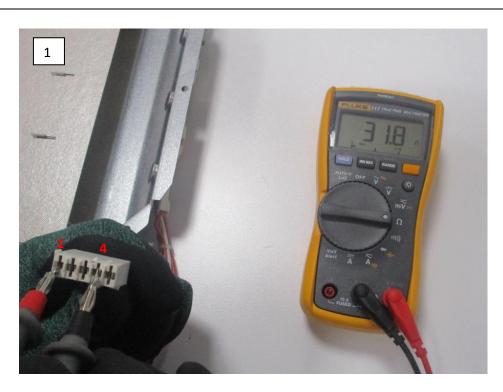
- Heater resistances are measured from sockets
- If resistance cannot be measured, check the connection of the heater connectors with 7-pin sockets. Heater connectors must be plugged into 7-pin connectors in accordance with their password. Connections of the manual thermostat and auto thermostat connector on the heater are checked. The thermostat with manual reset is checked whether there is open circuit at the terminals by the multimeter. If it's open circuit, button is up and the heater doesn't work. By pressing the button circuit will be closed, then heater works.

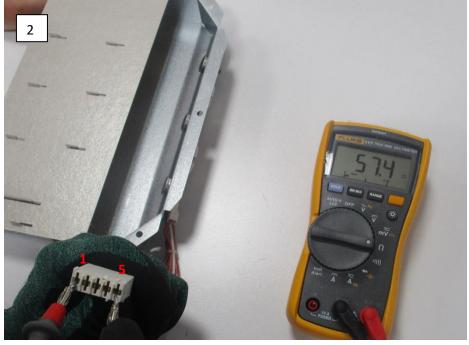




CUSTOMER SUPPORT

7.5.1. Heater Measurements







CUSTOMER SUPPORT

7.6. Door Latch

Door latch (switch) will be at "closed" position when the door is closed. It's designed to be opened from inside, in case of any children gets inside the drum



Component Test

- When the door is closed, check whether there is electrical transmission from IDC connected to electronic card (Buzzer mode should be selected on multimeter)
- Check the connection of the component connector

7.6.1 Door Latch Measurements

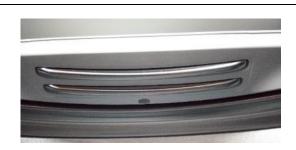




CUSTOMER SUPPORT

7.7. Humidity Sensor

The Humidity Sensor measures the amount of dryness of the laundry in the drum.



Component Test

- Each humidity sensor plate is checked whether there is electrical transmission from IDC connected to electronic card. (Buzzer mode should be selected on multimeter)
- Check the connection of the component connector

7.7.1 Humidity Sensor Measurements





CUSTOMER SUPPORT

7.8. Condenser

In the condenser, there are crossed channels that allow to flow the hot and cold fluid. Thus, They allow the hot air reach to the condenser and leave its humidity by cooling.



7.9. Drumlight

Drumlight illuminates inside of the drum



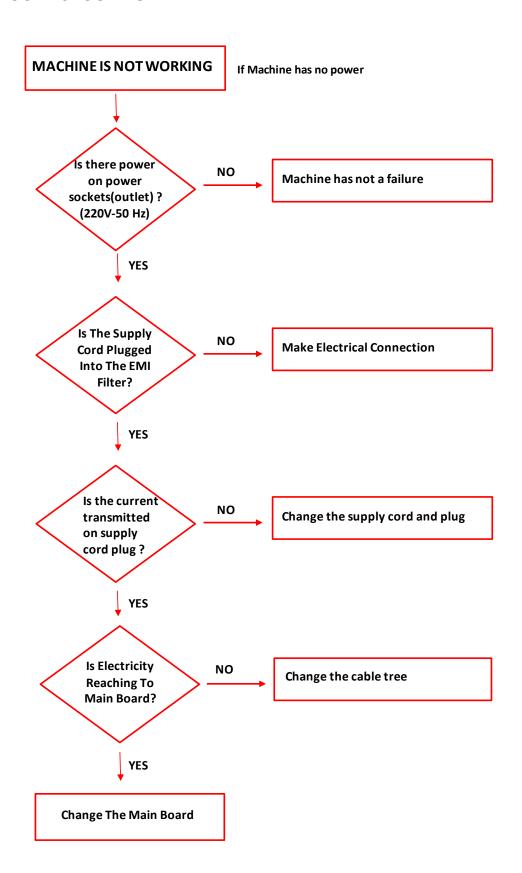
Component Test

Check whether there is electrical transmission from IDC connected to electronic card.



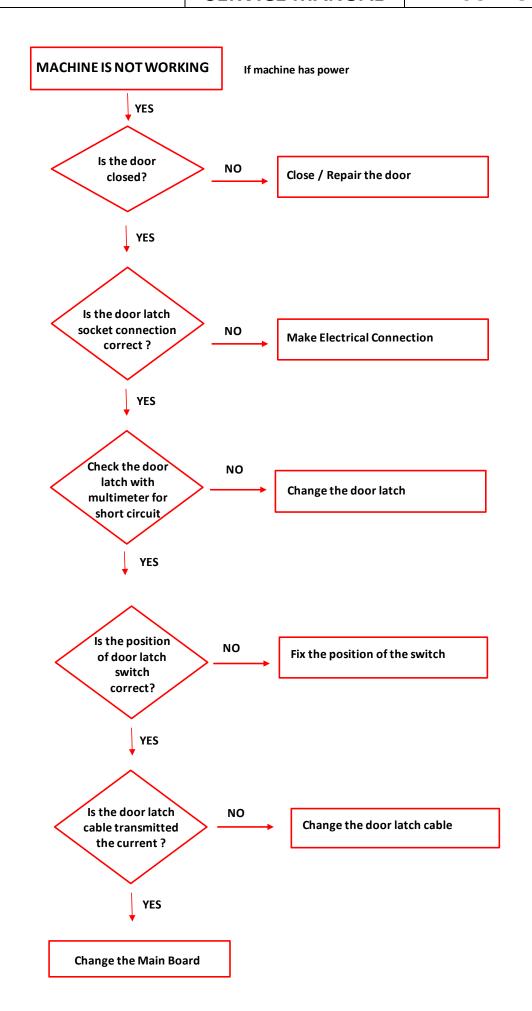
CUSTOMER SUPPORT

8. TROUBLESHOOTING



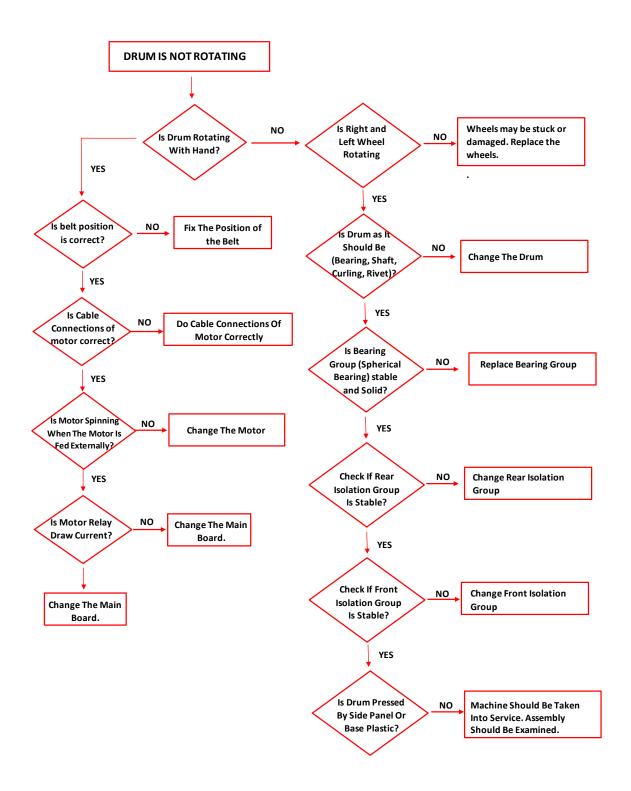


CUSTOMER SUPPORT



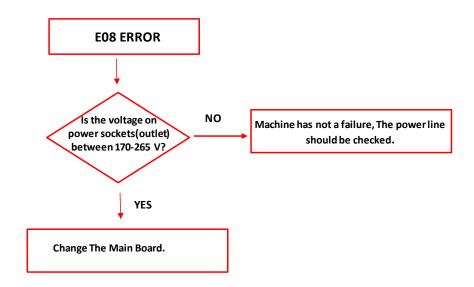


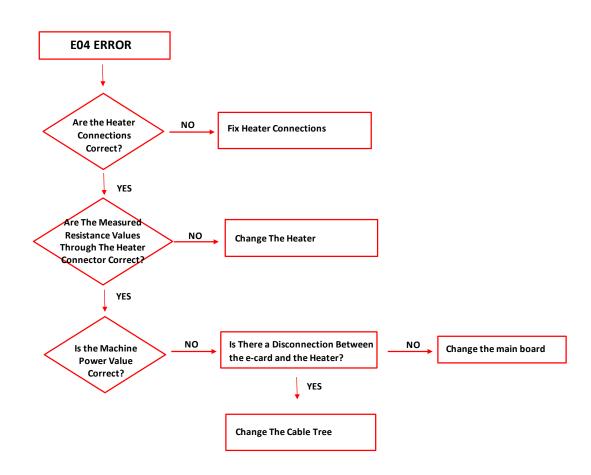
CUSTOMER SUPPORT





CUSTOMER SUPPORT







F1 PANEL

CUSTOMER SUPPORT

SERVICE MANUAL

