



Service Information

AWZ 8CD UK

8599 915 45240

Last Modification: 22/09/17

Creation Date: 18/07/17

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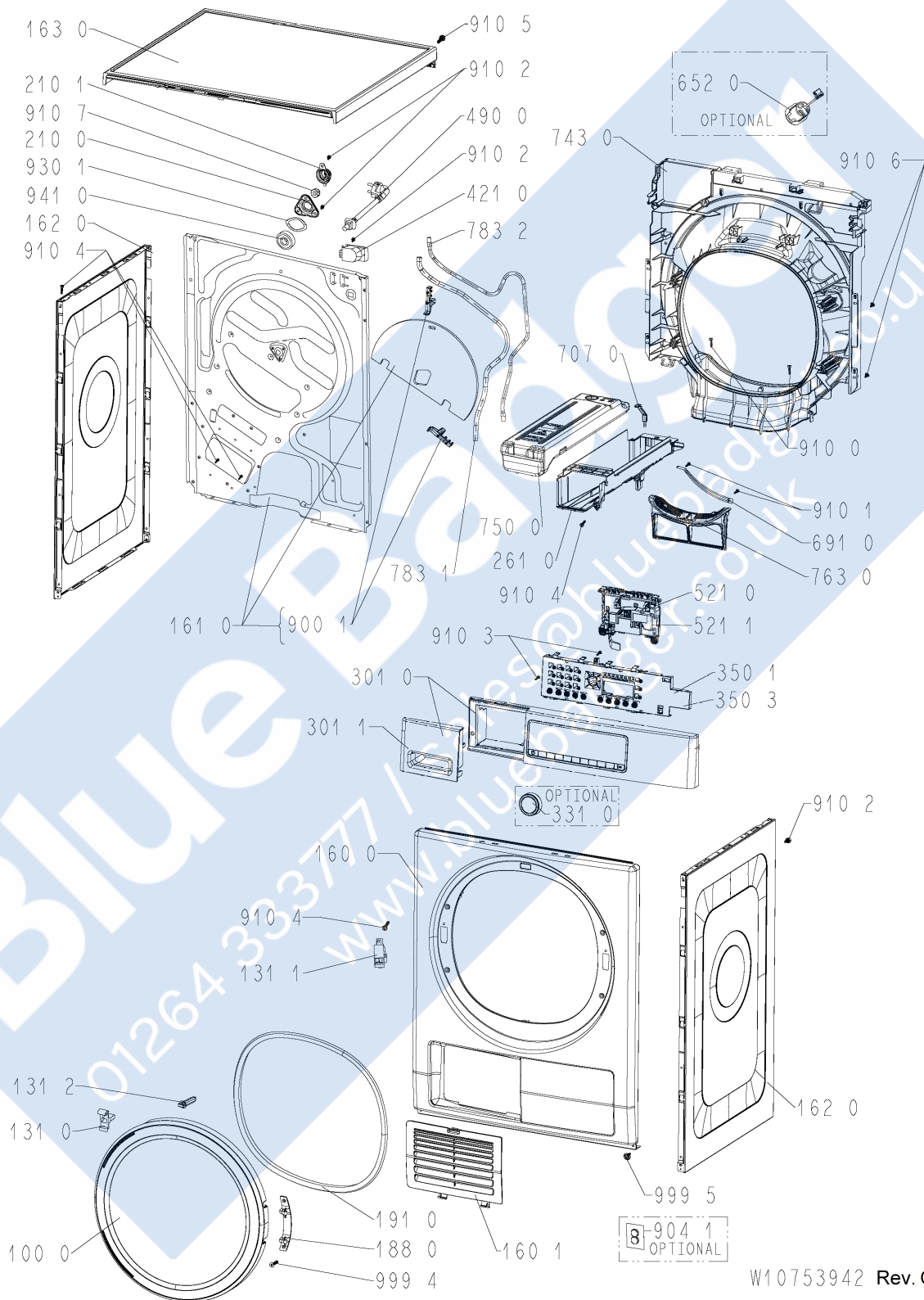
This document is only intended for qualified technicians who are aware of the respective safety regulations.
Subject to modifications

Spare Part List

Pos	12NC	Description
1000	4810 105 90594	Door cpl. MR,14,BK
1310	4801 121 01519	Pin
1311	4810 106 15880	Door lock
1312	4801 121 01518	Pin Start reset
1600	4810 107 49940	Front panel EOLOS
1601	4810 105 90596	FLAP HEAT EXCHANGER
1610	4810 105 98213	Rear panel Zephyr
1611	4810 107 30860	Heating chamber.
1620	4810 107 83931	Side panel white EOLOS.
1630	4810 107 67676	Table top
1840	4810 107 65688	Bottom
1850	4812 500 18054	Foot adjustable
1880	4810 109 11347	Hinge ASM, VBL, 16
1910	4810 107 13648	Gasket door
2030	4810 106 36552	Insulation
2100	4801 121 01513	Cover
2101	4801 121 01502	Cover
2110	4810 104 56115	Roller
2200	4810 106 07221	Drum
2230	4810 104 92721	Drum lifter
2610	4810 106 09215	Case
2710	4801 121 01469	belt,driving.
2730	4810 107 00903	Kit pulley motor asm
2732	4810 107 00903	Kit pulley motor asm
2733	4822 505 10547	Nut
2734	4810 107 00903	Kit pulley motor asm
2900	4801 121 01497	Gasket Drum / Rear Panel
2901	4810 106 15879	Gasket Drum/Air guide
3010	4810 111 58426	Control panel + handle drawer
3011	4810 107 77097	Handle drawer chromed + gold
3310	4810 107 59309	KNOB ASM, PREMIUM, 14, BK
3501	4810 108 76171	Module PROGRAMMED UI 2AA
3503	4810 106 75094	MD-UI - ELECTRONIC, U1 DR RED 3D RE
4000	4810 105 98724	Motor BPM
4210	4812 121 18276	Interf.filter
4300	4810 701 09852	Pump
4560	4810 106 69314	Heating element 2400 W, 240 V, UK
4900	4810 107 28622	Connection cable UK.
5210	4810 107 51020	Control unit Fujin, progr.
5211	4810 107 82778	ACU, FUUJIN CD
6160	4810 103 98897	Sensor reed + water level sensor
6910	4801 121 01486	Sensor
6911	4812 282 19485	Sensor NTC
7070	4810 106 29345	Pipe
7400	4810 106 12767	kondenzator (Hhocserelo)
7410	4801 121 01474	Cover
7412	4801 121 01473	Cover
7430	4810 106 15877	Support front air channel
7431	4810 106 03178	Fan wheel
7432	4801 121 01467	Fan wheel

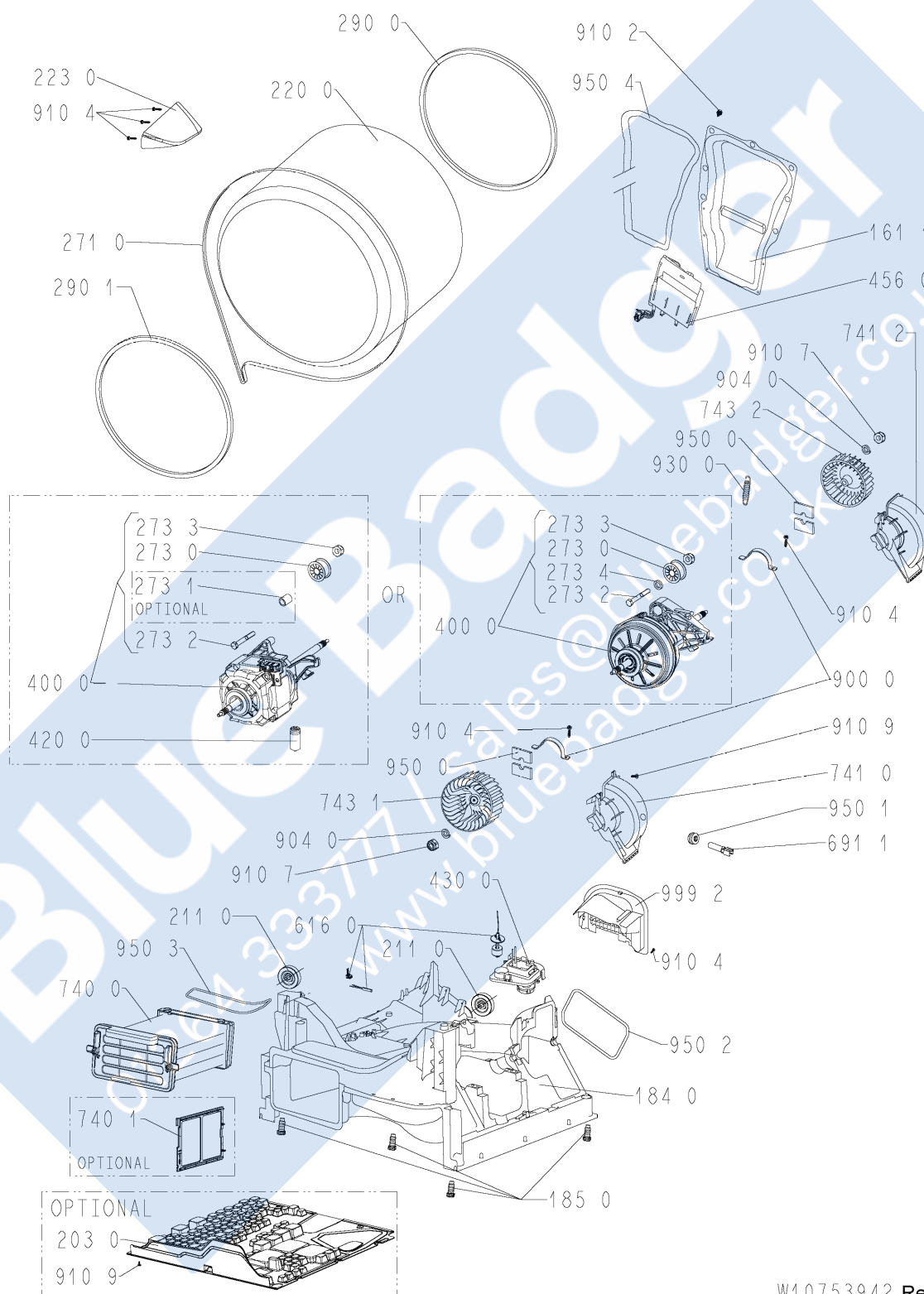
Pos	12NC	Description
7500	4810 105 72507	Tank
7630	4810 106 15876	Filter
7831	4801 121 01509	Hose reflow
7832	4801 121 01508	Hose
9000	4801 121 01471	Clamp
9001	4810 105 53524	Hook
9040	4801 121 01631	Washer
9100	4812 502 38151	Screw 4x14
9101	4812 502 48347	Screw,selftap 3,5x14
9102	4801 121 01491	Screw.
9103	4810 213 05003	SCREW CB H C F Z P3.3x12
9104	4812 502 18695	Screw (10 pieces)
9105	4801 121 01528	Screw.
9106	4801 121 01488	Screw
9107	4801 121 01464	Nut M6.
9109	4812 502 38151	Screw 4x14
9300	4801 121 01468	Spring
9301	4801 121 01561	Washer
9410	4801 121 01499	Bearing
9500	4801 121 01463	Felt,strip
9501	4812 282 98014	Gasket NTC
9502	4801 121 01472	Gasket
9503	4801 121 01477	Gasket
9504	4801 121 01505	gasket
9992	4801 121 01526	Flap
9994	4810 106 58549	Screw 5.0-2.24x25 FL 6L
9995	4810 107 11270	Cap M4-0.7x9.5

Exploded View



W10753942 Rev. G

Exploded View



W10753942 Rev. G

Technical Data

Dimensions + Weight

Product dimensions	
Height	85 cm
Width	60 cm
Depth	63 cm
Weight	
net	38 kg

Electrical base data

Voltage	220 - 240 V
Frequency	50 Hz
Fuse	13 A
Total connected load	2.7 kW

Surroundings temperature

Room temperature	max.	35 °C
Room temperature	min.	5 °C

Heating element

Nominal voltage	240 V +10 % / -15 %
Total power	2 x 1200 W ± 5 %
Resistor NTC	1200 W 42.52 Ω
Resistor NTC	2400 W 21.26 Ω

Thermostats condenser

Safety thermostat	TL
Switch off temperature	180°C ± 5 K
Characteristics of the NTC	

SET2			
0 °C	38.4	kΩ	
25 °C	12.0	kΩ	
60 °C	3.0	kΩ	
70 °C	2.2	kΩ	
95 °C	1.0	kΩ	
100 °C	0.8	kΩ	
110 °C	0.6	kΩ	
130 °C	0.4	kΩ	
180 °C	0.1	kΩ	

SET1		
0°C	36.0	kΩ
30°C	9.8	kΩ
40°C	6.7	kΩ
50°C	4.6	kΩ
60°C	3.2	kΩ
70°C	2.3	kΩ
95°C	1.1	kΩ

Main- and blower motor

..... + MCU
 Type Brushless Permanent Magnet (BPM)
 Nominal voltage 220 - 240 V
 Frequency 50/60 Hz
 Power Consumption 150 W ± 20 %
 Nominal current 1.25 A ± 20 %

Condensation pump

Type 1-phase
 Nominal voltage 220 - 240 V +10 % / -15 %
 Frequency 50 Hz
 Resistance (20°C) 716 Ω
 Power Consumption 7.5 ± 3 W
 Capacity (height 1.1m) 2.6 l/min

Reed contacts

Water Level

Type SLE
 Nominal voltage 5 V
 Current 0.5 mA

Heat exchanger

Type SHX
 Nominal voltage 5 V
 Current 0.5 mA

Door switch

Type SD
 Nominal voltage 5 V
 Current 50 mA

Drum light - optional

Type LC
Nominal voltage 2.9 - 5 V
Power 0.5 W
Current 45 - 160 mA

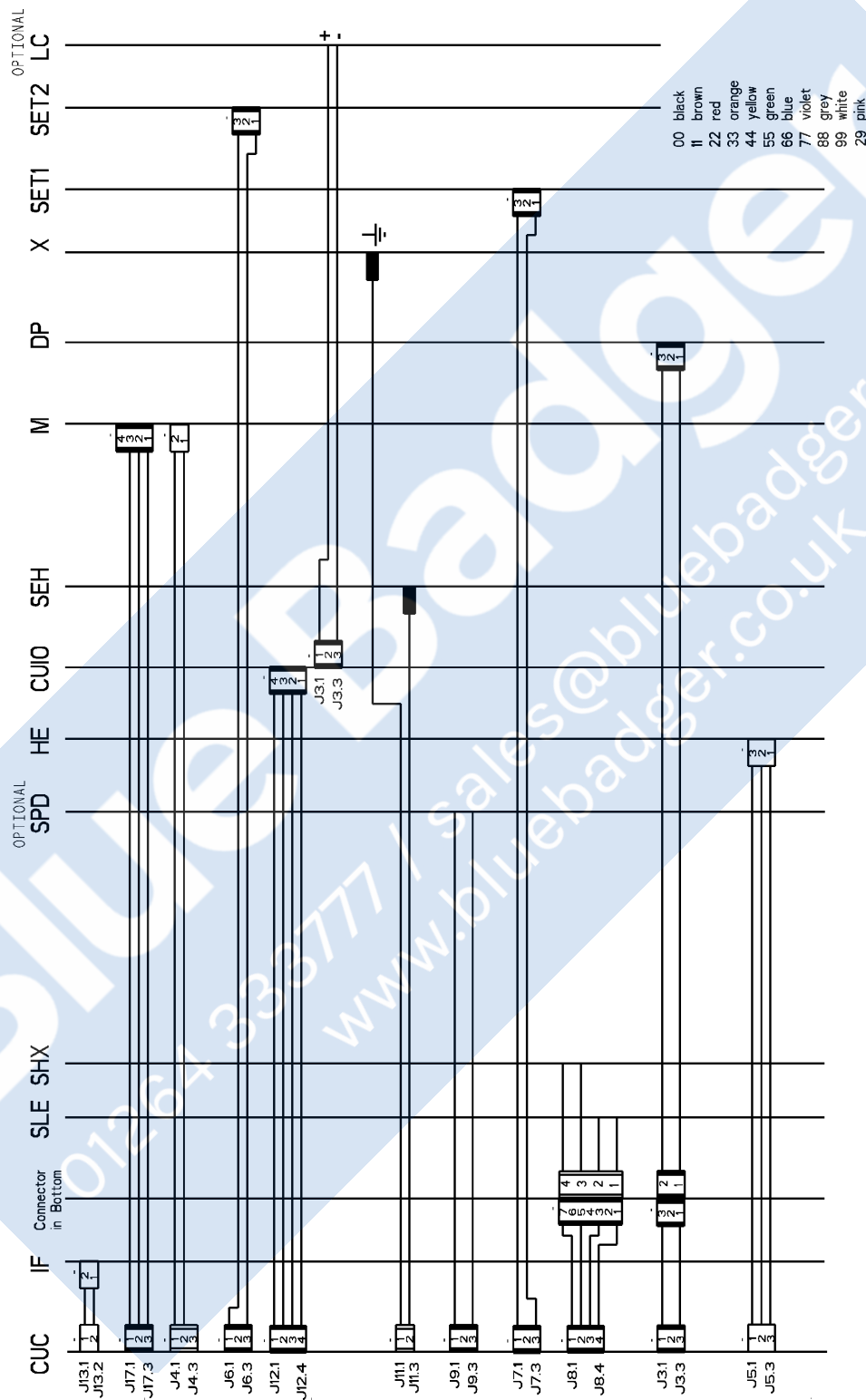
Control unit central

Type Tiny Core
Nominal voltage 220 - 240 V
Frequency 50/60 Hz

Control unit display

Nominal voltage 5 V $\pm$ 0.5 V
Current max. 350 mA
Nominal voltage 12 V
Current max. 20 mA

Wiring Diagram



D

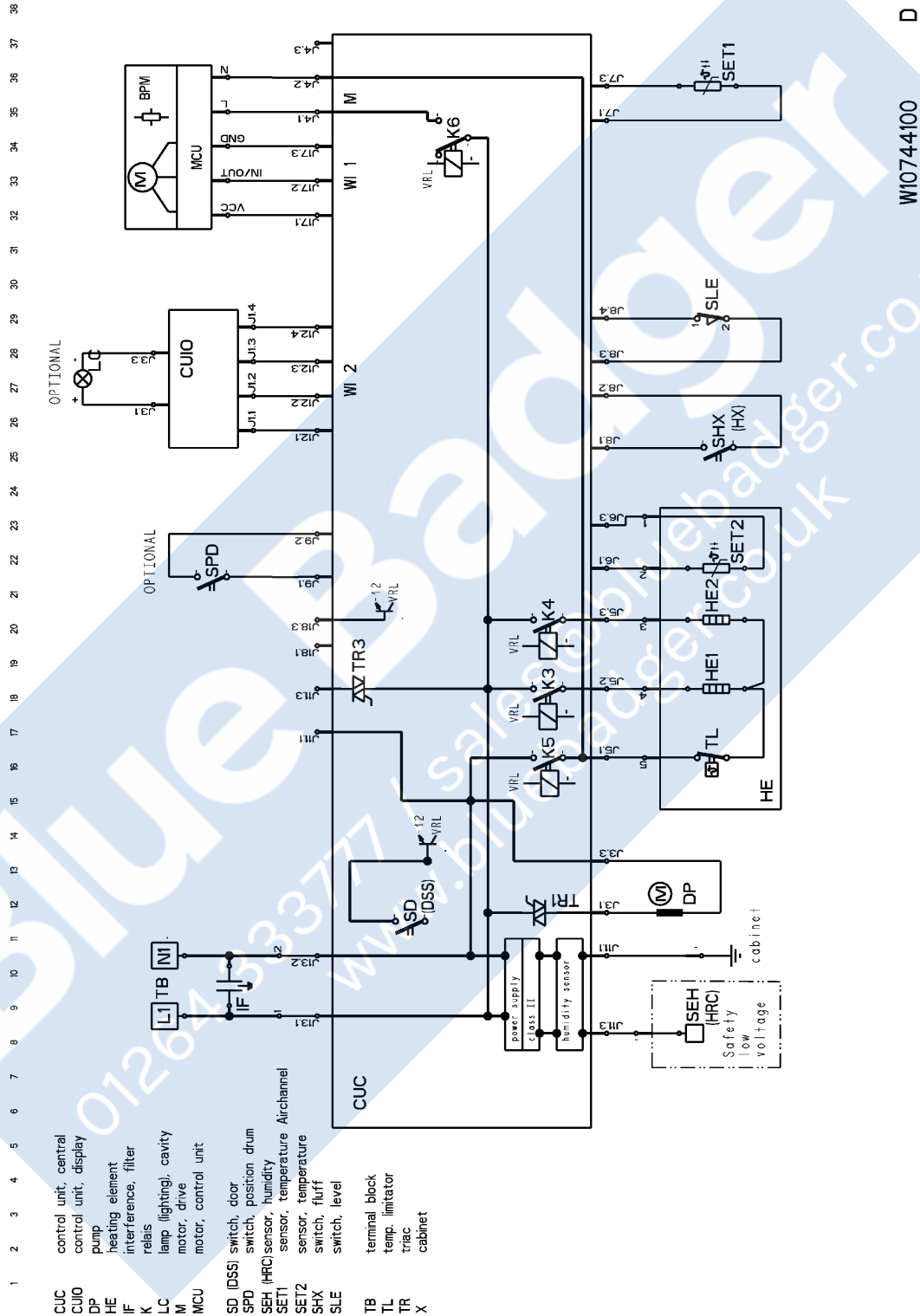
W10744100

Legend

00	black
11	brown
22	red
29	pink
33	orange
44	yellow
55	green
66	blue
77	violet
88	grey
99	white

Blue Badger
01264 333777 / sales@bluebadger.co.uk
www.bluebadger.co.uk

Circuit Diagram



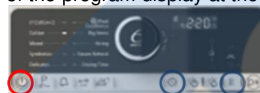
Legend

CUC	control unit, central
CUIO	control unit, display
DP	pump
HE	heating element
IF	interference filter
K	relais
LC	lamp (lighting), cavity
M	motor, drive
MCU	motor, control unit
SD (DSS)	switch, door
SPD	switch, position drum
SEH (HRC)	sensor, humidity
SET1	sensor, temperature Airchannel
SET2	sensor, temperature
SHX	switch, fluff
SLE	switch, level
TB	terminal block
TL	temp. limiter
TR	triac
X	cabinet

Testprogram

EOLOS CD VBL

1. Close the door or close the door switch.
2. Switch ON the appliance and wait until the start procedure has been finished.
3. Within 1 minute press and hold the button on the right side of the program display at the same time the most left and



the button before last until "FC" or "SC" appear on display.

4. Choose "SC" (service test program) with the program selector and confirm with the start button.
5. Press the start button to reach the next test step.
6. How to leave the test program
 - Switch OFF the appliance
 - or
 - Open door
 - or
 - Last step of test program is reached and START button is pushed

Reset procedure:

Safety failures can be reset after the failure in the machine is corrected by the following procedure:

Within 10 sec the following sequence must be performed:

- a) turn selector in 6 o'clock position (down)
- b) push "start" button three times
- c) turn selector one position CW (airing program)
- d) push "start" button three times

Display	Description of the Program Flow	Test/Tested Component
S:01	Display and button test HX position test, Drum Light function via corresponding button	Buttons, LED's, Drum Light, Reed Sensor HX positioning
S:02	Motor is turning clockwise (CW), Heating element 1	Motor, Heating element 1
S:03	Motor is turning counter clockwise (CCW), Heating element 2, Pump is running	Motor, Pump, Heating element 2
S:04	Humidity test Pump and Float Switch Test is running, after water container is drawn out fill water into container housing the pump and floater function is tested	Humidity Sensor, Float Reed Switch
S:05	Last failure which has been detected is displayed	
EXIT	Leave the test mode	

Error Codes

EOLOS CD VBL

Name	7-seg. code	LEDs failure code	Recommended actions
Main relay or heating element	F01		Check heating element and heating element wiring. If fluff is accumulated clean heating element and remove humidity. If problem is still present then change the ACU.
Data corruption	F02		Apply service reset procedure (see below). If not solving the issue then reprogram the ACU with the eSAM. If issue is still not solved, replace the ACU.
Humidity sensing system	F03		Check wiring of humidity sensing circuit. If problem still present then change the ACU.
Heater relay or heating element	F04		Check heating element limiter. Clean fluff on HE & remove humidity. Apply reset procedure. If issue is still present then change the ACU.
Air channel NTC (SET 1)	F05		Check NTC resistance, check wiring, check if NTC is connected. Clean fluff and humidity around NTC.
Heater NTC (SET 2)	F06		Check NTC resistance, check wiring, check if NTC is connected. Clean fluff and humidity around NTC.
Drum rotation detection	F07		Check if belt is not broken, check if drum can be turned by hand without excessive force. Check if motor is connected and working properly in both directions (apply Service Test Program, see above). On appliances with broken belt sensor a reed switch malfunction or missing magnet can cause F07. On air vented appliances detection is done with humidity stripes so check wiring otherwise replace ACU.
Communication failure ACU – MCU (BPM motor only)	F10	--	Check connection between ACU and MCU. Signal is 3-pole cable and power is 2-pole cable. Apply service reset procedure (see below).
MCU failure (only for BPM motors) or BPM motor failure (BPM motor only)	F11 to F19	--	Switch off/on the appliance. Check wiring from ACU to motor. Apply service reset procedure.
Motor over-temperature (BPM motor only)	F20	--	Check for any source of over-temperature : high friction of drum, overloaded drum, damaged drum seals.
UI Communication Error	F21	--	Check cable between ACU and display module.
Motor over-current	F22	--	Check for any source of over-current : blocked drum, damaged drive system, overloaded drum.
Compressor defect (heat pump only)	F23	--	Perform temperature check with service test procedure.
Fan defect (heat pump only)	F24	--	Check if fan rotor is not blocked by dust or foreign object. Check ACU to fan wiring. If everything is ok then replace the fan.
No communication with WIFI module	F33	--	Check WIFI setup, switch on WIFI module.
No communication with ACU	F70	--	Check cable between ACU and display module.
Touch button failure	F73	--	Check mechanical assembly of UI or change UI.
Requested dryness level not supported	F98	--	Reprogram ACU.
Cycle ID not available at ACU	F99	--	Reprogram ACU.

Service Bulletin 4812 713 40361

AUTHOR: Michael Näther

Last Update: 23/01/15

VERSION: 1.0

TITLE: Drum roller, Cover

SUBJECT: Drum roller out of place, roller out of support. Support breaks.

Under certain circumstances the drum roller at the right site can jump out of the support at the heat pump base cover.

(see picture below)

Affected appliances: Heat pump produced later than W46/2012

REMEDIAL ACTION

As an interim solution the following can be provided:

Replace the cover and both drum rollers.

Order cover and rollers from the spare part center.

Unpack parts when delivered and insert both rollers into the support. Push them down so that rollers fully snapped in. If you replace the cover, make sure all sealings around the cover are in place properly after the repair!

There is no need for entire bottom unit replacement.

Start a program cycle (with wet laundry) for verifying the proper operation of the unit.

Technical Failure Code



161 2110 Dx A



F2S Number

F2S000820

Service Bulletin 4812 713 40332

AUTHOR: Kay Augustin

Last Update: 23/05/18

VERSION: 1.1

TITLE: How to replace the belt

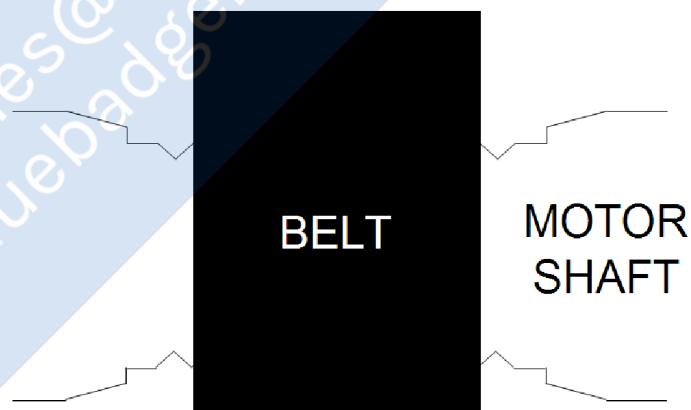
SUBJECT: Correct position of the belt on motor pulley

REMEDIAL ACTION

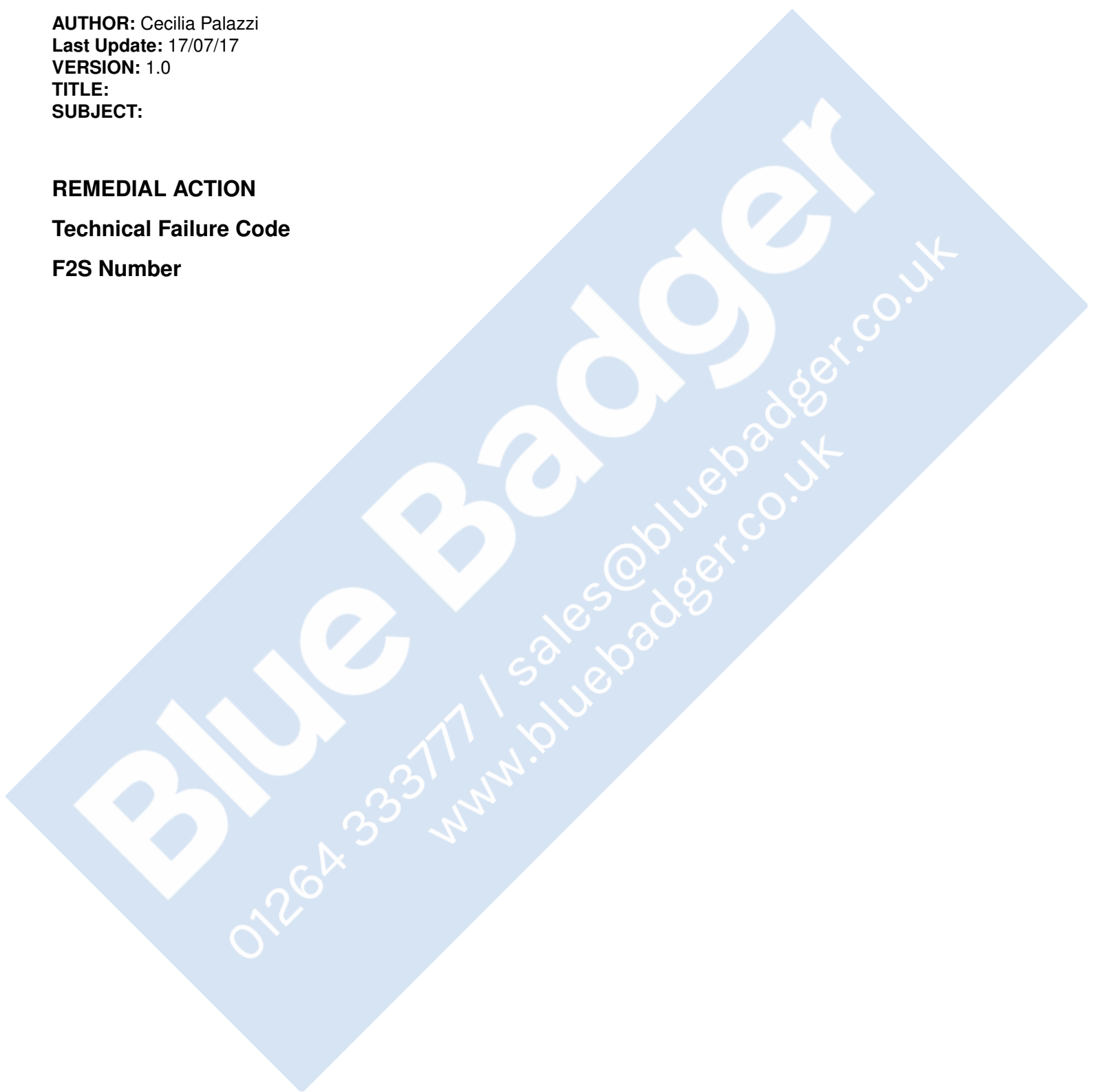
In order to avoid that the belt will be damaged, it is strongly requested to set the belt in the right position on the motor pulley.

The normal setting is to place the belt on the **middle** of the 9 grooves of motor pulley as shown on the picture below.

Important: Turn the drum three times in CW and three times CCW direction and check again the correct position of the belt!



- DRAFT! – DRAFT! – DRAFT! – DRAFT! – DRAFT! -

Service Bulletin 4812 713 40371**AUTHOR:** Cecilia Palazzi**Last Update:** 17/07/17**VERSION:** 1.0**TITLE:****SUBJECT:****REMEDIAL ACTION****Technical Failure Code****F2S Number**

- DRAFT! – DRAFT! – DRAFT! – DRAFT! – DRAFT! -

Service Bulletin

4812 713 40376

AUTHOR	Cecilia Palazzi
Last Update	06/05/19
VERSION	1.0
TITLE	AMIENS DRYERS F04/F06 FAULT - FERRITE SLEEVE MODIFICATION
SUBJECT	Repeated Heater failure and display of Fault Code F04.
Technical Failure Code	

AMIENS DRYERS F04/F06 FAULT - FERRITE SLEEVE MODIFICATION

Fault Code F04 is displayed after the one-shot thermostat on the heater has operated.

This can occur (before modification) when drying a large load and/or drying a load with a partially or fully blocked door filter. Extensive testing has identified that the power module can be affected by high frequency interference picked up from the BPM motor wiring, which then prevents correct operation of the Filter light and Heater control.

Solution / Intervention to be done

A Ferrite Sleeve filter (C00525324) must be fitted to the wiring connected to connector WI1 on the Module.

Fitting the sleeve correctly eliminates the interference which causes the problem.

On all service calls to the models listed above you must check to see if a Ferrite Sleeve (C00525324 - 488000525324) has been fitted to the White motor wiring on Module connector WI1. If this ferrite sleeve is not found or found to be

not fitted incorrectly it should be fitted or rectified (as applicable).



Note: Orange connector is the 3 wire connector and should not be confused with the 4 wire connector on ESAM2 which is for the display.

Opening the Ferrite Sleeve:



Carefully release the 2 latches on the ferrite sleeve body with a flat bladed screwdriver and open it up.

Fitting the Sleeve

Remove the top cover and release the console panel assembly to gain access to the top connector WI1 on the module. Carefully unplug the 3 wire plug and wrap all 3 white wires once round the inside of the ferrite sleeve as shown



Close it to lock it without trapping the wires.

IMPORTANT:

Just clipping the sleeve over the wires, as below,



is NOT correct and will not work correctly.

Once the ferrite sleeve is fitted correctly it should look like this:



Make sure it is clipped shut at both ends.

Reconnect the plug onto position orange connector and refit the console assembly.



Heater Replacement – if applicable

In addition to fitting the Ferrite Sleeve, if the fault code F04 is displayed the Heater must be

replaced and the F04 code reset. Just replacing the heater and/or fitting the sleeve does not reset the code. To clear the F04 Fault Code: Within 10 seconds perform the following sequence:

1. Switch on the dryer from the '0' position and turn the selector knob to the 6 o'clock position (down).
2. Push and release the "START" button 3 times.
3. Turn the selector knob one position clockwise (marked 'Mixed' or 'Airing' depending on model).
4. Push and release the "START" button 3 times.
5. The fault code will clear and the dryer can be used.

IMPORTANT USER ADVICE – EXPLAIN TO THE USER !

- Advise the user to ALWAYS clean the door filter BEFORE or AFTER EVERY load.
- Explain that using the dryer when the light has illuminated will result in the program ending before the load is dry.
- The action to follow at that point is to clean out the filter before attempting to dry the load again.
Note: This is normal operation that should occur in the event of drying with a blocked filter.
- The Bottom filter light refers to the Condenser behind the flap (lower left) which should be rinsed out periodically as stated in User Instructions.

Service Bulletin 4812 712 40367

AUTHOR: Pasquale Lattuca

Last Update: 25/11/14

VERSION: 1.1

TITLE: Rest time indication stays on 0.01 minute.

SUBJECT: The root cause for the behaviour is a wrong resistance of the NTC, but not enough to display a failure code.

The remaining time of 0:01 and the door blocked at the end of the cycle fits to the wrong (low) resistance of the NTC.

REMEDIAL ACTION

1. Switch on the washing machine without to start any program and wait for 2 minutes.
2. Unplug the washing machine.
3. Unplug the NTC cable set at the CCU and measure the NTC resistance at the connector.
(Attention: It is important that there are only few seconds between the disconnection of the appliance and the measurement!!!)
4. In case the NTC is outside of specification (low resistance) replace the NTC.

NTC order code: 4812 282 19485

SB:481271240367

SymptomCode:A1C

ComponentCode:6910

DefectCode:1X

RepairActionCode:A

Technical Failure Code



A1C 6910 1X A