kleenmaid

Service Manual

for

LW8014

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About Content

This service bulletin is prepared for LW8014. There may information about some optional components that may not exist in your product. As this is a generic service bulletin covering all range, please ignore and skip extra/ optional component information. Sections marked with asterisk (*) sign contain information about optional components.

Information already exists in user manuals is not included in this service manual. Please refer to user manual of your product for basic installation, operating, maintenance and troubleshooting issues.

Acronyms:

WM	:	Washing Machine
WMCS	:	Washing Machine Customer Support
TJ	:	Twinjet
UI	:	User Interface
SI	:	Service Interface
A	:	Available
NA	:	Not Available

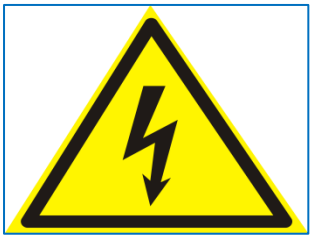
1. Safety Precautions

Important:

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Warning:

Before any disassembly/repair operation make sure appliance is unlplugged water tap is closed and heating elements are cooled down. There is electrical shock, burning and flood risk.



Warning:

Please replace whole cable group even in case there is any minor failure with cables / terminals / sockets. Never try to repair nor to solder cable group. It may cause smoke, ignition and there is major risk of electrical shock.

Important:

Always use insulator gloves to prevent injury by metal edges or to prevent electrical shock during electrical tests.

Work with uniforms having long sleeves to protect your arms from metal edges.

Always use original spare parts. You may harm appliance, end user, environment or yourself using untested and unapproved 3rd party spare parts.

Use right tools to prevent any wear or damage to components during assembly/disassembly.

2. Specifications

Here you will find descriptions of generic specifications for the range specified for this service manual. Please refer to product fiche and user manual for detailed technical specifications.

***Twinjet System:**

Twinjet system is designed to obtain a better washing performance by directly injecting water with detergent using a recirculation system and two nozzles connected to it. With twinjet system, water consumption is decreased by 30%, energy consumption is decreased by 10% and washing time is decreased by 15%

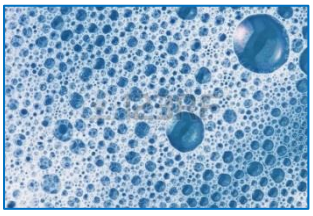
Twinjet system is valid for all programs except spin and drain mode. The system dos not function during Water inlet, heating, spinning, drain phases.

Even with a large load of 8 kg. the washing machine will have the minimum energy consumption by the help of Twinjet system.

Washing machines with Twinjet system are very environment-friendly by having maximum washing performance with minimum water consumption.

Eco-Logic System:

Half load detection system, thus using less water and power accordingly. This system is available for cotton programs only.

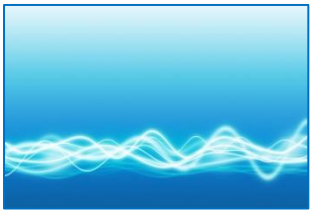


Foam Protection System:

Foam Protection System is a safety algorithm that interrupts normal program flow and reduces foam level by taking water and draining. This algorithm protects machine and environment avoiding over foaming inside tub in case any customer misuse such as detergent overdose or use of foamy cleaning agents.

Overflow Protection System:

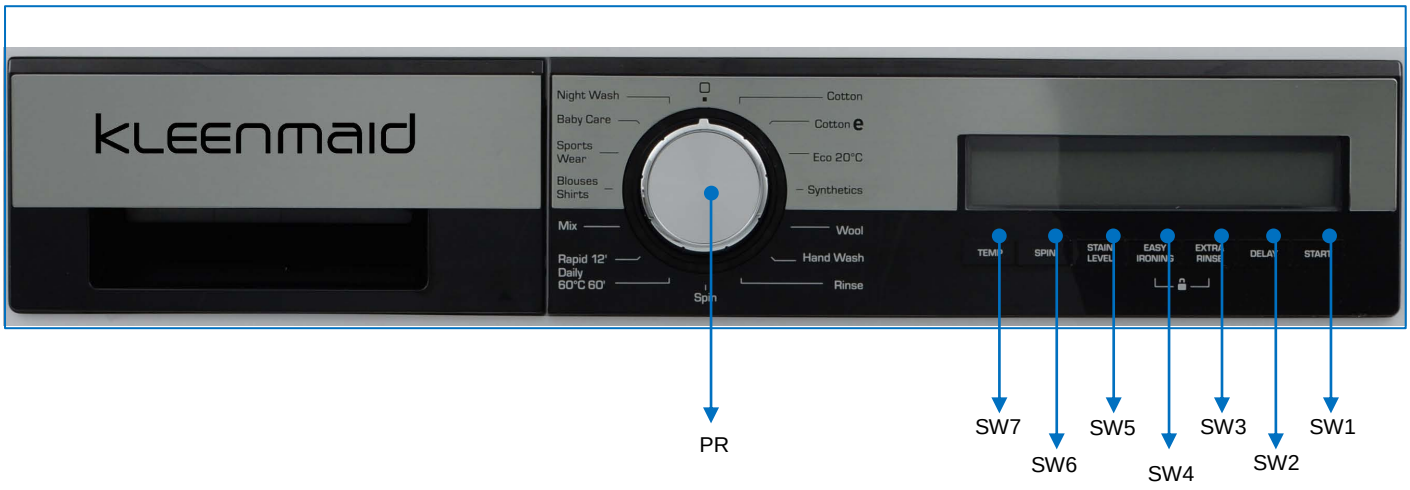
Overflow protection is another safety algorithm in case of a flood risk. If there is more water in tub than expected by algorithm, it will start to the drain routine giving E04 failure code. For example this may happen in case of a valve failure and the machine constantly takes water. This algorithm will keep drain routine, keeps water leveled and protects environment and machine avoiding any flood risk.



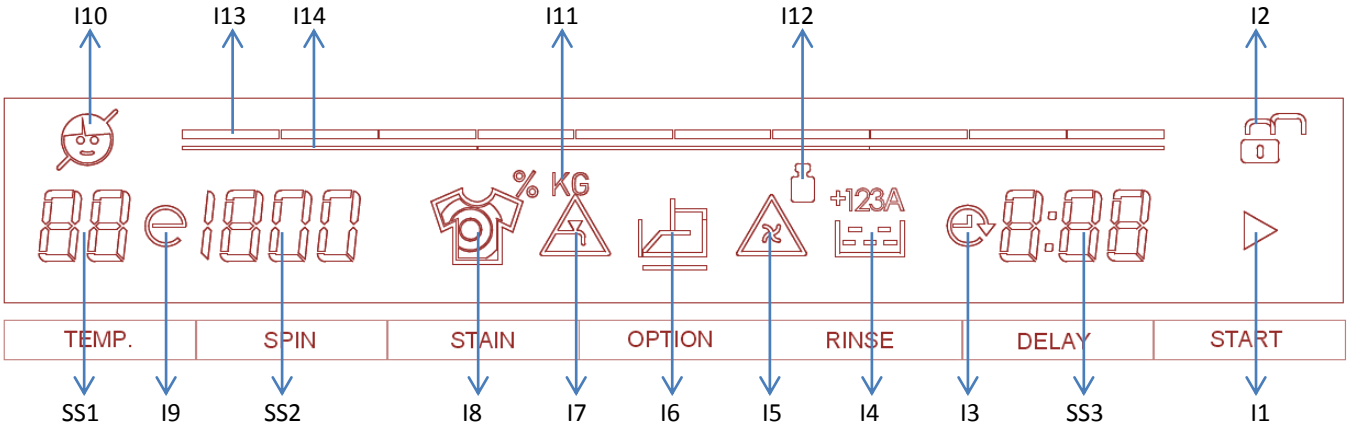
Unbalanced Load Detection and Control System:

Unbalance Control System is another safety algorithm that protects the machine and environment avoiding machine movement due to vibration during spinning profile. The algorithm tries to balance load by a special balancing agitation, postponing spin profile till it is balanced. This avoids spinning while load is unbalanced and prevents any possible physical harm both to the appliance and to surroundings.

3. Control Panel and Acronyms



PR	Program selector 16 programs including off position
SW1	Switch 1, Start / Pause
SW2	Switch 2, Delay Timer Selection
SW3	Switch 3, Extra Rinse Option
SW4	Switch 4, Option (Easy Ironing / Prewash)
SW5	Switch 5, Soil Level
SW6	Switch 6, Spin Speed Selection
SW7	Switch 7, Temperature Selection

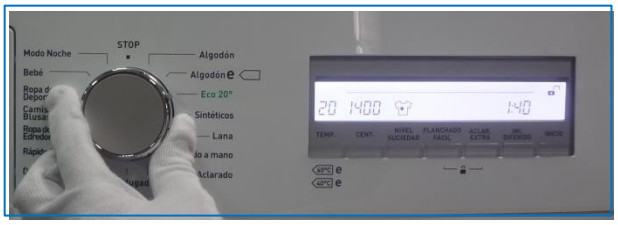


SS1	7 Segment LCD for Temperature Display	I8	Stain Level Symbol
SS2	7 Segment LCD for Spin Speed Display	I9	Eco Symbol
SS3	7 Segment LCD for Remaining Time	I10	Child Lock Symbol
I1	Start/Pause Symbol	I11	Load Percentage Symbol
I2	Door Lock Symbol	I12	Overload Symbol
I3	Delay Symbol	I13	Program Proceeding Zone / Load Bar
I4	Extra Rinse/Allergy Safe Symbol	I14	Program Proceeding / Load Line
I5	Pump Failure Symbol	Slow Blink	ON 0.5 sec, OFF 0.5 sec, ON 0.5 sec
I6	Option Symbol	Fast Blink	ON 0.10 sec, OFF 0.10 sec, ON 0.10 sec
I7	Lack of Water Symbol		

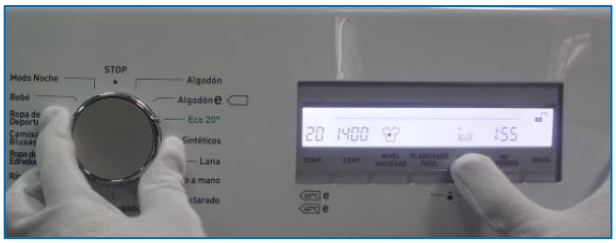
4. Test Mode

4.1. Autotest

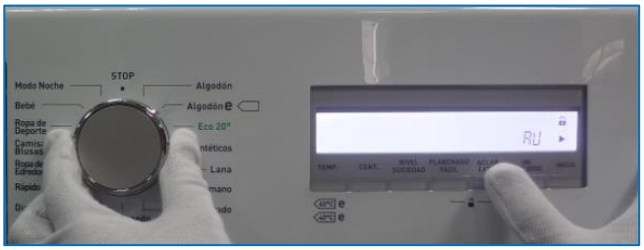
Set PR to 3rd position



While pressing SW3 change position of the PR from third program to second, and release SW3.



Autotest starts.



4.1.1. Autotest Steps

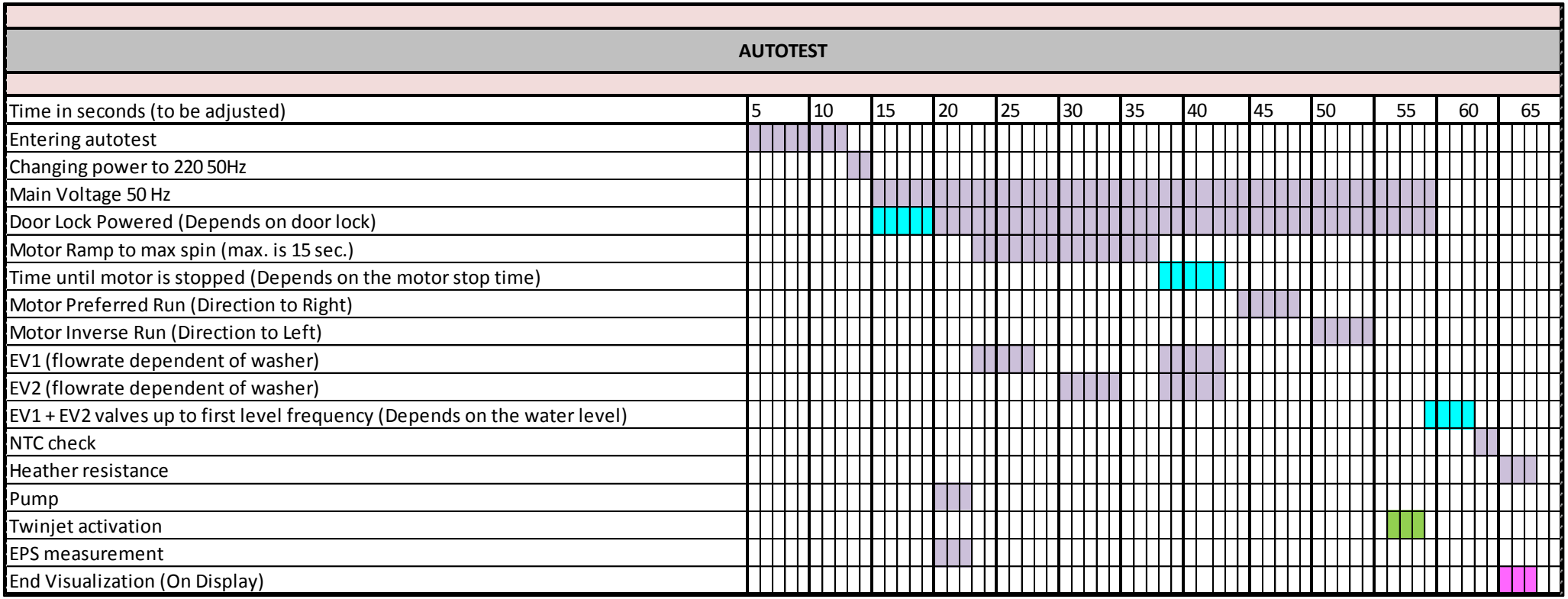
Autotest follows a predefined flowchart in order. Unlike service autotest, autotest automatically skips to next step upon completing one. The steps of the test are as follows:

Step1:
Drain pump is activated.
EPS frequency is checked.
Step2:
Motor ramps to max spin.
Prewash & Wash valves are activated in order.
Step3:
Motor ramps down to stop.
Prewash & Wash valves are activated simultaneously.
Step4:
Motor turns clockwise (low speed).
Step5:
Motor turns counterclockwise (low speed).
Step6:
Twinjet is activated.
Step7:
Prewash & Wash valves are activated simultaneously.
Step8:
Washer heater is activated. Washer NTC values are checked in this step.

In case of no failure test ends after this step and “End” is displayed on SS3. In case of an error detection EXX will pop up on SS3. (where XX is the error number 0 to 18)

Please see following autotest chart for details.

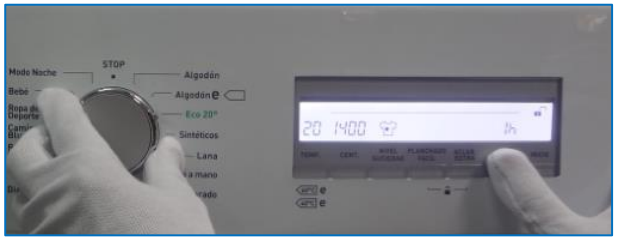
AUTOTEST


Time in seconds (to be adjusted)
5
10
15
20
25
30
35
40
45
50
55
60
65
Entering autotest
Changing power to 220 50Hz
Main Voltage 50 Hz
Door Lock Powered (Depends on door lock)
Motor Ramp to max spin (max. is 15 sec.)
Time until motor is stopped (Depends on the motor stop time)
Motor Preferred Run (Direction to Right)
Motor Inverse Run (Direction to Left)
EV1 (flowrate dependent of washer)
EV2 (flowrate dependent of washer)
EV1 + EV2 valves up to first level frequency (Depends on the water level)
NTC check
Heather resistance
Pump
Twinjet activation
EPS measurement
End Visualization (On Display)

5. Service Mode

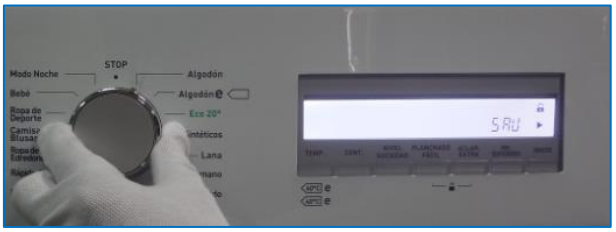
5.1. Service Autotest

1. Set PR to program 3 and press and hold SW2.



2. While pressing the SW2, change PR position from third to second, and release the SW2 button.

3. Bring PR to desired test step (1st ,2nd or 3rd program position) as soon as “SAU” is displayed on LCD.



LCD Display status:
I1 -> Fixed On
I2 -> Fixed on
SS3 -> “SAU”

	Step1	Step 2	Step 3
	PR Position: Program 1	PR Position: Program 2	PR Position: Program 3
	HEATER ON	PUMP ON	TEST PROGRAM ON (Rapid 12’*)
Comments :	When entering in service test, door will be locked.		Test is over Door will be unlocked, machine will go to END state.

5.1.1. Service Autotest Steps

If you turn knob position to other program between 1st to 3rd it will skip current test and start the selected one. It is recommended not to skip any steps for a detailed checkup. Unlike autotest, service autotest starts next test step manually by rotating program selection knob.

Step1:
There will be a certain amount of water intake and then washer heater is activated for 8 minutes. Washer NTC values are checked in this period. In case of a washer heater/NTC failure, it pops up E05 error displaying “ E05” on SW3.

In case of no failure at the end of heating step, "SAU" display makes a slow blink to indicate that the step is over. You can turn program knob to 2nd position to continue with step2.

*During this step if EPS detects high water level, overflow algorithm is applied and E04 is released.
*If user changes the selector position, machine will do what is defined for the new selected position.

Step2:
Drain pump is activated; in case of a pump failure it pops up E03 error.

At the end of pump activation, "SAU" display makes slow blink to indicate that the step is over. You can turn program knob to 3rd position to continue with step3.

Step3:
Rapid 12’*(15’ for non TJ models) program algorithms is run testing all washing components, the only difference is error codes are displayed on SW3 which normally are not displayed to end user.

If case of no error service autotest ends and "End" is displayed on SW3.

5.2. Failure Codes

Error Indication	Error Number	Indication in UI	Indication in SI
		A/NA	A/NA
Door Lock Error	E01	A	A
Lack of water	E02	A	A
Pump failure	E03	A	A
Overflow	E04	A	A
NTC or Heater Failure	E05	NA	A
Motor Failure	E06	NA	A
Voltage	E09	NA	A
Electronic Pressure Sensor	E10	NA	A

6. Critical Torque Values

	Assembly Locatıon	**Bolt/Nut**	**Torque Min. (Nm)**	**Torque Nom. (Nm)**	**Torque Max. (Nm)**	**Air Pressure Wrench (rpm)**
*	Transport Screw Assembly	Transport Screws	6.50	6.50	7.00	1000
*	Motor Assembly	Motor Screws	6.00	6.50	7.50	800
*	Front Concrete Weight - Front Tub Assembly	Front Counterweight Screws	14.00	14.50	14.75	600
*	Upper Counter Weight Assembly	Upper Counterweight Screws	25.00	27.50	30.00	440
*	Pulley – Drive Shaft – Washing Group Assembly	Pulley – Drive Shaft Assembly Bolt	39.50	40.00	40.50	440
*	Heater Assembly	Heater Assembly Nut	3.85	4.00	4.00	970

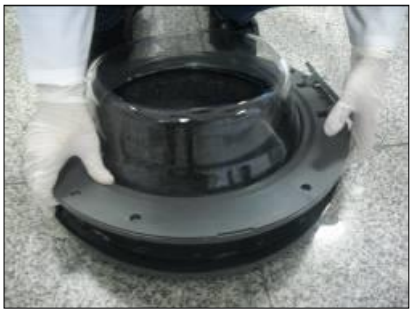
The bolts/nuts above are important for product safety purposes. Please tighten screw, bolts and nuts according to the torque values given in table above.

7. Disassembly and Assembly Instructions

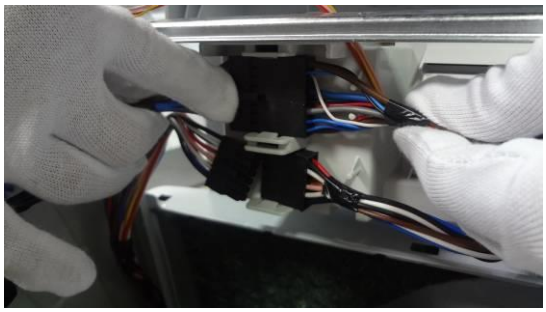
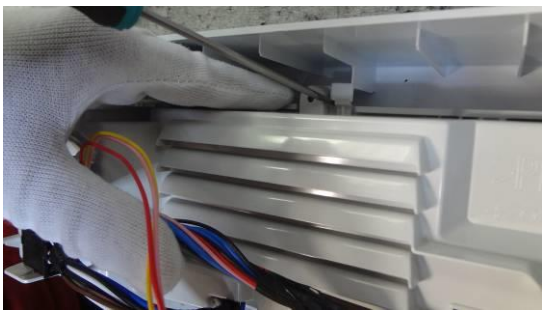
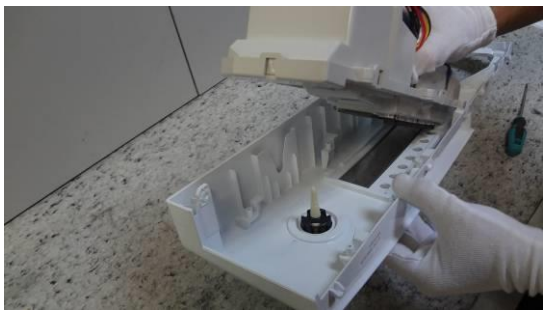
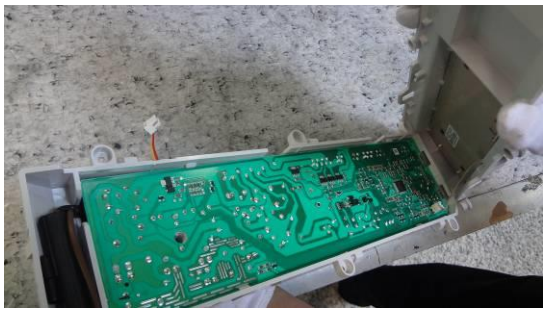
7.1. Top Plate

1		2	
	Remove two screws that fix the top-plate at the back.		Push the top-plate back and pull it up.

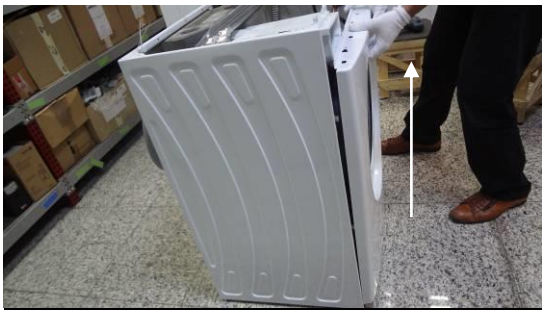
7.2. Door

1	T25	2	
	Remove two screws that fix the door. (by using T25 tool)		Pull the door up.
3		4	
	Remove screws that fix the door group.		Put the door outside plastic with helping screwdriver.
5		6	
	Remove the door inside plastic.		Remove six screws that fix the door hinge.

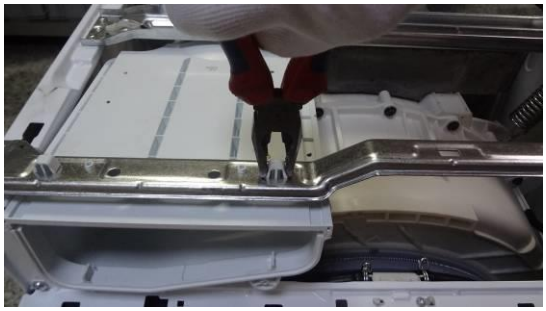
7*		**8***	
	Remove the door handle.		Remove the door handle pin.
7.3. Spring Wire			
1		**2**	
	First remove the spring wire fixing the tub bellows seal by using the small size screw driver. Pull the tub bellows seal.		Remove the tub bellows seal-body fixing spring.
7.4. Detergent Drawer			
1		**2**	
	Gently pull the detergent drawer.		While pressing siphon cover keep pulling drawer to remove it.
7.5. Control Panel			
1		**2**	
	Remove the screw which fixes the control panel to the front panel.		Remove two screws fixing control panel.

3		**4**	
	Pull the control panel out		Remove connectors
5		**6**	
	Remove electronic card cover as it is shown in the pictures by using small screw driver.		
7.6. Electronic Card & Fuse			
1		**2**	
	Remove PCB box using a small screw driver		
3		4	
	Unplug display card connector		Open fuse box and remove the fuse

7.7. Front Panel

1		**2**	
	Remove the screw fixing the front panel at the bottom		Remove two screws fixing the door lock
3		**4**	
			Remove the tub bellows seal.
5		**6**	
	Remove two screws fixing front panel to body		Remove the screw fixing twinjet elbow
7		**8**	
	Pull front panel up		Remove front panel

7.8. Support Bracket

1		2	
	Remove two screws fixing the body group on the upper part		Remove two clips fixing detergent drawer housing to upper support bracket

7.9. Detergent Drawer Housing

1		2	
	Remove the tub bellow hose by releasing the holder extensions of bellow hose		Unplug connectors from feed valve
3		4	
	Slightly turn the feed valve counter-clockwise to remove		Remove the detergent drawer housing assembly

7.10. Power Cable Group and EMI Filter

1		2	
	Remove the five conectors that is connected to the EMI filter		Remove two screws fixing EMI filter.

3		**4**	
	Pull the power cable group up		Remove EMI filter
7.11. Electronic Pressure Switch (EPS)			
1		**2**	
	Unplug EPS connector		Pull EPS up
3			
	Remove clamp from EPS hose		
7.12. Door Lock*			
1			
	Unplug door lock connector		

7.13. Drain Pump

1		**2**	
	Remove clamp holding drain hose by using a plier		Remove clamp fixing tub outlet hose
3		**4**	
	Unplug drain pump connector		Remove screws holding drain pump

7.14. Front Counterweight*

1		**2**	
	Remove three screws on the front counterweight. (Wrench size 13 mm)		Gently pull counterweight out

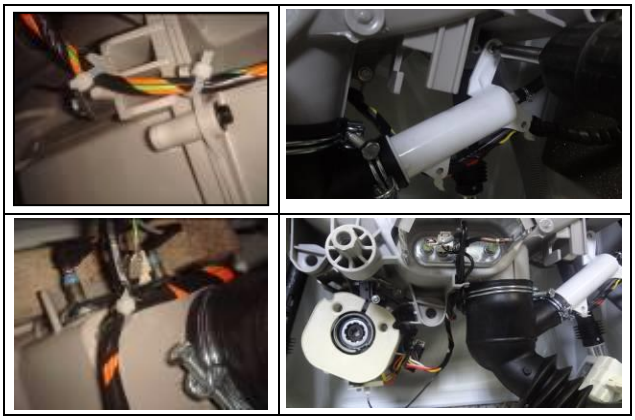
7.15. Heater

1		**2**	
	Unplug heater connectors		Remove nut (8 mm) fixing the heater

3			
	Pull heater out gently holding both sides.		
7.16. Twinjet System*			
1		**2**	
	Remove the tub gasket clip by using small screwdriver		Remove twinjet hoses from tub bellow seal pulling them up
3		**4**	
	Remove screw fixing circulation pump		Lay the appliance down and press on ratchet holding circulation pump
5		**6**	
	Remove circulation pump		Remove cable connector

7			
	Remove hose connecting circulation pump to drain pump		
7.17. Tub Bellow Seal*			
1		**2**	
	Remove the tub gasket clip by using small screwdriver		Hold the tub bellows seal and gasket-body fixing spring together, and pull them out.
7.18. Transport Screw			
1		**2**	
	Remove four transport screws		Hold the transport screw and pull it out.
7.19. Upper Counterweight*			
1		**2**	
	Remove two screws fixing the upper counterweight by using box wrench size 13 mm		Hold and carry upper-counterweight out.

7.20. Washing Group

1		2	
	Unplug motor connectors		Cut all the cable ties which fix cable group
3		4	
	Remove the screws fixing hanger bracket		Remove the washing group carrying it out through front side

7.21. Shock Absorber Pin

1		
	Remove shock absorber pins squeezing the ratchet by a pliers	

7.22. Driven Pulley

1		
	Remove the belt rotating the driven pulley	

7.23. Driven Pulley

1		1	
	Remove the bolt at the center of pulley by tucking a wooden bar avoids rotation		Remove pulley

7.24. Motor

1		**2**	
	Remove two screws holding motor by using box wrench		Pull motor up

7.25. Tub

1		**2**	
	Remove tub inlet bellow hose loosening the clamp squeezing it by using a pliers		Remove screw holding EPS reservoir
3		**4**	
	Remove tub outlet bellowed hose loosening screwed-clamp		Remove 19 screws around tub using box wrench size 8 mm
5		**6**	
	Remove front tub		Remove drum

8. Component Specifications

8.1. Drain Pump

Drain pump is both a mechanical and elektrical component which is used to drain water inside the washing machine. It has an synchronous motor inside. For better performance maintanance, pump filter should be cleaned regularly.

Drain pump

Technical features

Nominal voltage	220-240 V	Resistor (coil)	136 Ω (±5%)
Nominal current	0.28 A (±10 %)	Water flow	17 L/min(to 1 m height)
Nominal power	37 W		
Frequency	50 Hz	Thermal protector	YES

Testing component

Check the resistance value on the component with multimeter as shown below.
Resistance value should be between 131- 141 Ω

You can determine the ohm value by measuring from the blue cable at 2nd and blue cable at 11th position in the large socket (refer wiring diagram in section 12) as shown below figure. Resistance value should be between 131- 141 Ω

8.2. Circulation Pump*

The component is used for circulation of water inside the drum in order to increase washing performance.

Circulation Pump

Technical features

Nominal voltage	220 - 240 V
Frequenc	50 Hz
Resistor (c	169,5 Ω (±5%)

Testing component

Check the resistance value on the component with multimeter as shown below.
Resistance value should be between 160- 180 Ω

You can determine the ohm value by measuring from the red cable at 5th and red cable at 12th position in the small socket (refer wiring diagram in section 12) as shown below figure. Resistance value should be between 160- 180 Ω

8.3. Heater

Heating element (Resistance) is a component which is desingned to regulate temperature of water inside the drum. It has three connections: Phase, notral and ground connections.

Resistance

Technical features

Heater type	Tubular heating element with NTC – sensor	Nominal power	varies
		Resistance	varies
Nominal voltage	230 V	Thermal fuse	2 sided

Testing component

Check the resistance value on the component with multimeter as shown below.
Please contact WMCS for nominal measurement values of resistance used in your appliance. Do not forget to provide serial number information of appliance in your inquiry.

8.4. NTC

Component which sends signals to PCB about the water temperature inside the tub. The Resistance (Ohm) value of the NTC decreases as the temperature increases.

NTC

Technical features

Tem (°C)	R min (kΩ)	R max (kΩ)
-10	54.9	62.6
-5	43.0	48.6
0	33.	38.1
5	27.0	30.1
10	21.6	23.9
15	17.4	19.1
20	14.1	1
5	11.5	125
30	9.	10.2
35	7.8	8.3
40	6.4	9
45	5	5.7

Tem (°C)	R min (kΩ)	R max (kΩ)
50	45	4.7
55	3.8	3.9
60	3.2	3.3
6	2.7	2.8
70	2.3	24
75	1.9	2
80	1.7	1.8
85	1.4	1.5
90	1.2	13
95	1.1	1.1
100	0.9	1

NTC Resistance vs. NTC Temperature

Testing component

Check the resistance value on the component with multimeter as shown below.

You can determine the ohm value by measuring from the blackcable at 3rd and black cable at 11th position in the small socket (refer wiring diagram in section 12) as shown in below figure. NTC resistance value varies depending on temperature.

8.5. Valve

Valve is an electrical and mechanical component which is designed to take water from the network system into the washine machine. It is operated by PCB card.

Valve

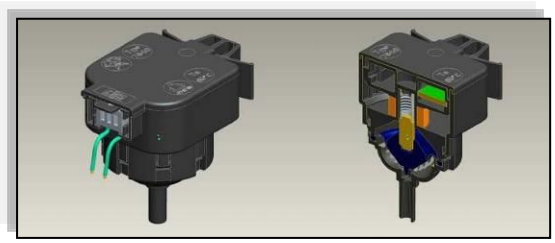
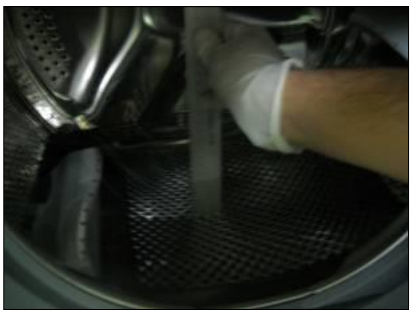
Technical features

Nominal voltage	220-240 V	Rated flow	7 L/min (±15 %)
Nominal power	8 VA	Operating water pressure	0.03 - 1 Mpa
Frequency	50-60 Hz		

Testing component

Check the resistance value on the component with multimeter as shown below. Valve water flow rate should be between 6 - 8 L/min. Each valve coil resistance values should be between 3.3 - 4.2 kΩ.

You can determine the resistance value of the main wash valve by measuring from the blue cable at 5th and white cable at 15th position or the pre-wash valve by measuring from the black cable at 14th and white cable at 15th position in the large socket (refer wiring diagram in section 12) as shown in below figure. Each valve coil resistance values should be between 3.3 - 4.2 kohm.

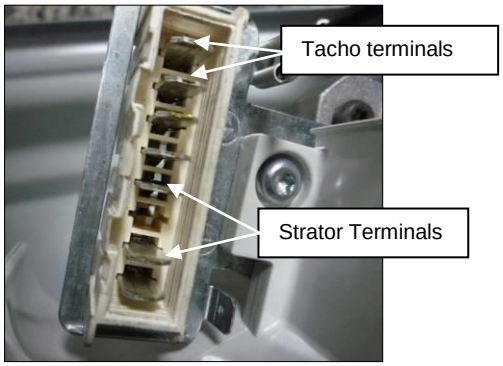
8.6. Electronic Pressure Sensor (EPS)*	
Electromagnetic field occurs due to movement of pressurized membrane. The spring moves vertically by nucleus due to electromagnetic field. The water level is regulated according to the frequency changes of the spring by electronic card.	 EPS
Testing component	
Push the door lock slider with screwdriver	
Select the 1st program and start the machine	
Unplug power cable when as soon as water intake finishes and drum begins to rotate.	
Check the water level inside the drum with ruler. It should be 10 cm ±1.	

8.7. Motor

The washing machine has an asynchronous motor. It is controlled by the PCB. It is essential to check the motor for correct diagnosis and quick servicing. In the below picture, socket points on the motor is shown to measure with multimeter.

Motor

Motor socket terminals



Please contact WMCS department for tacho and stator resistance values of motor component used in your appliance. Do not forget to provide serial number information of appliance in your inquiry.

8.8. Door Lock*

Door lock is activated at the beginning of the program in order to prevent the door from opening. Locking is generated by supplying power to PTC-bimetal, after max 6sec (220V), the bimetal will be warm and ready to close the contacts. Thus the first impulse to the solenoid will allow the contact to close and consequently the slider will be locked by the pin of the sliderlock. The second impulse causes no electrical and mechanical modifications. It can be unlocked by the third impulse; the contact is opened even if the PTC-bimetal remains energized.

Emergency Opening System (PTC-Bimetal) In Case of Lack of Electric Energy

• In case of lack of electric energy during a washing cycle, the PTC-bimetal assembly will cool down and after minimum 60 sec (considering previous power supply of 30 sec min and T=20 °C) the door will be unlocked and thus can be opened.

• In case the door is closed when current comes back, the PTC-bimetal assembly will heat again, the slider lock will lock, the contact will close and the program will continue from where it stopped.

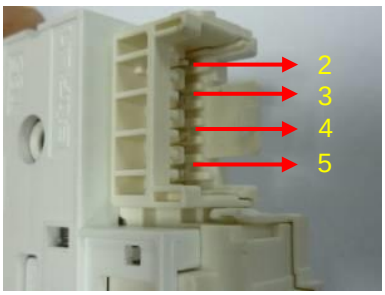
Door lock

Technical features

Nominal voltage	250 V

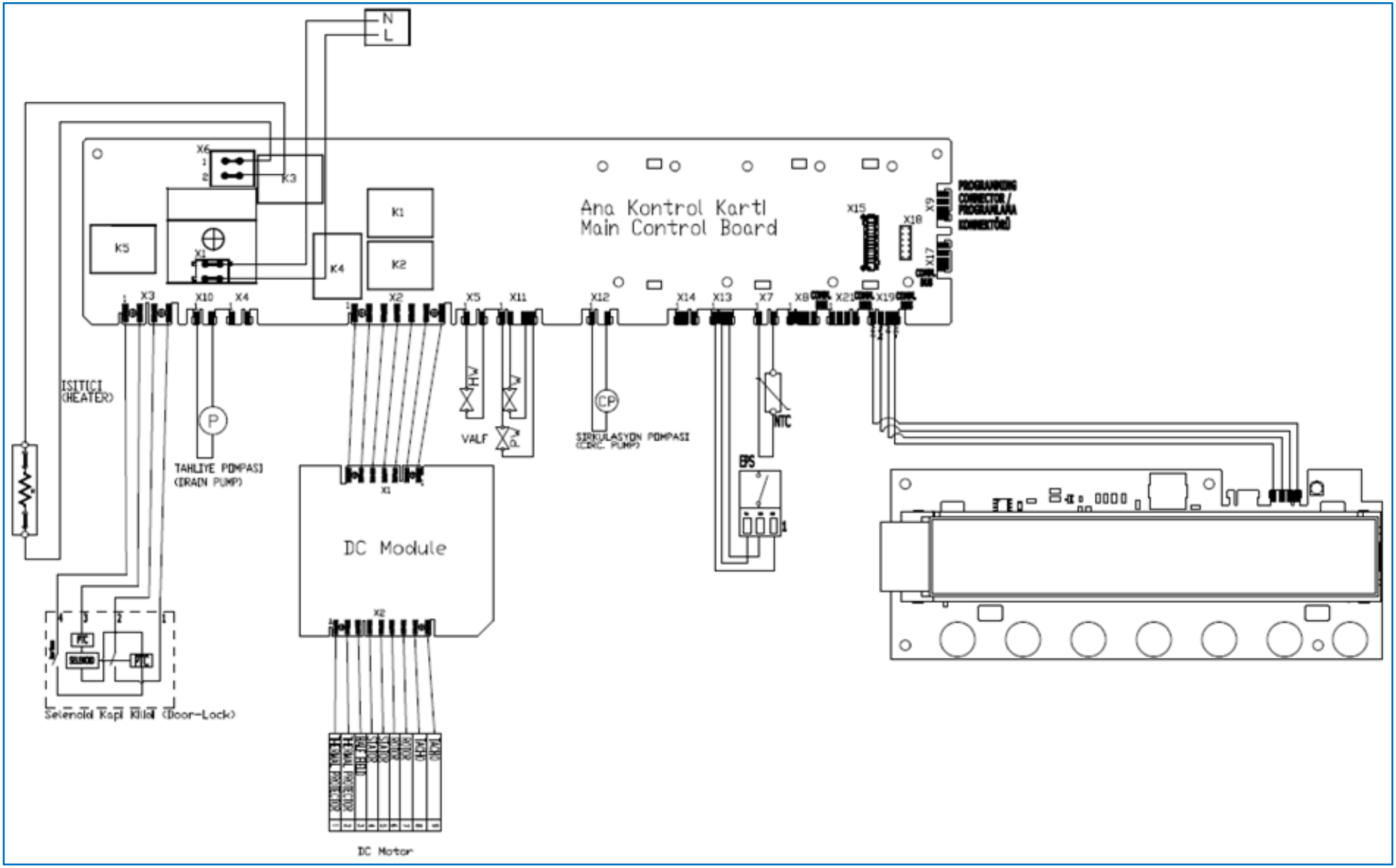
Testing component

Check the resistance value on the component with multi-meter as shown in below figures. Resistance value on the (PTC overload + solenoid) should be 240Ω ±20% at 25 °C. That resistance value can be measured from terminal 3-4 (refer to section12 Wiring Connection Diagram).



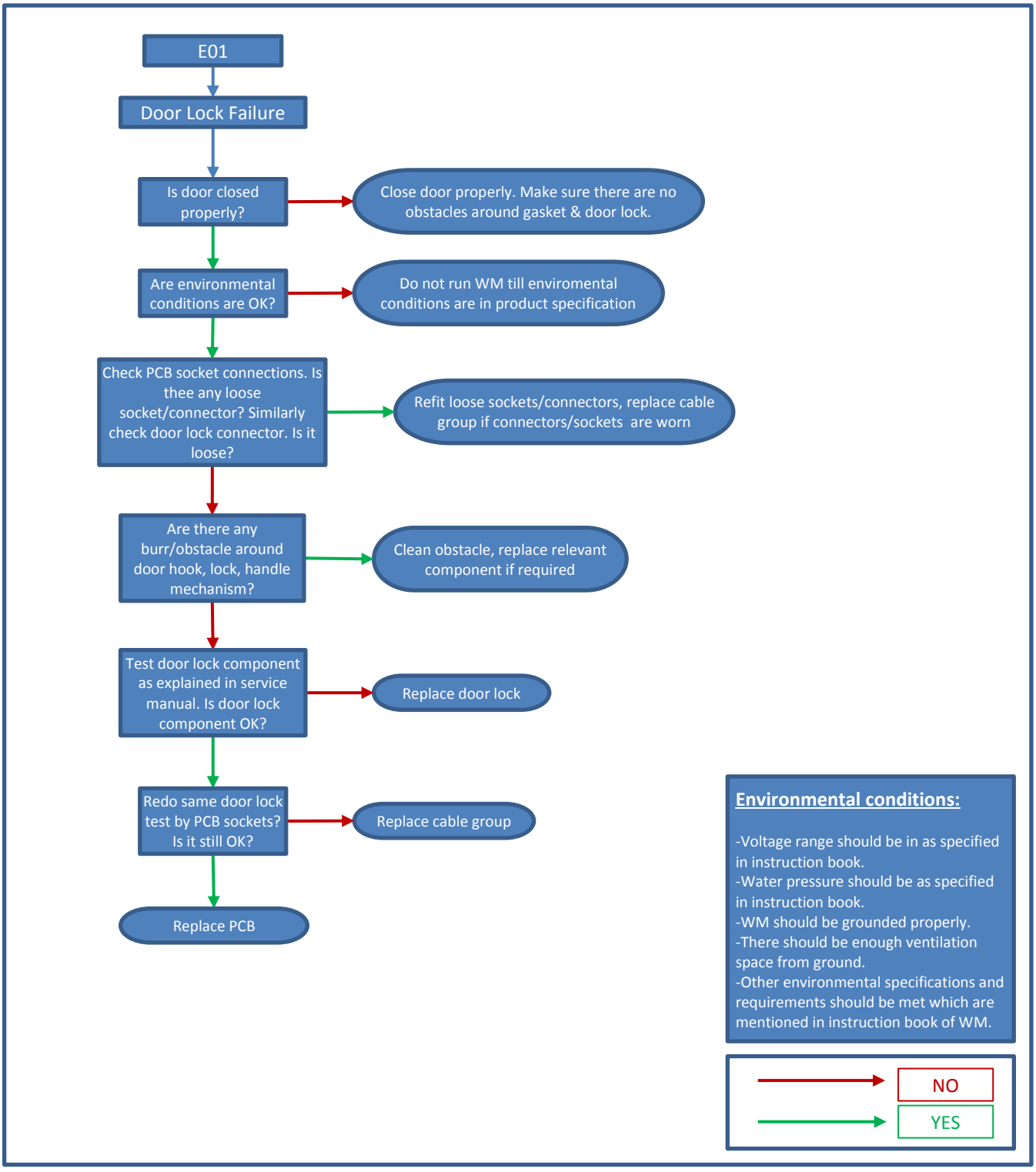
This socket shows the connection between terminal 3-4 (See wiring diagram below). The resistance read from terminal 3-4 is the resistance of PTC overload plus resistance of solenoid.

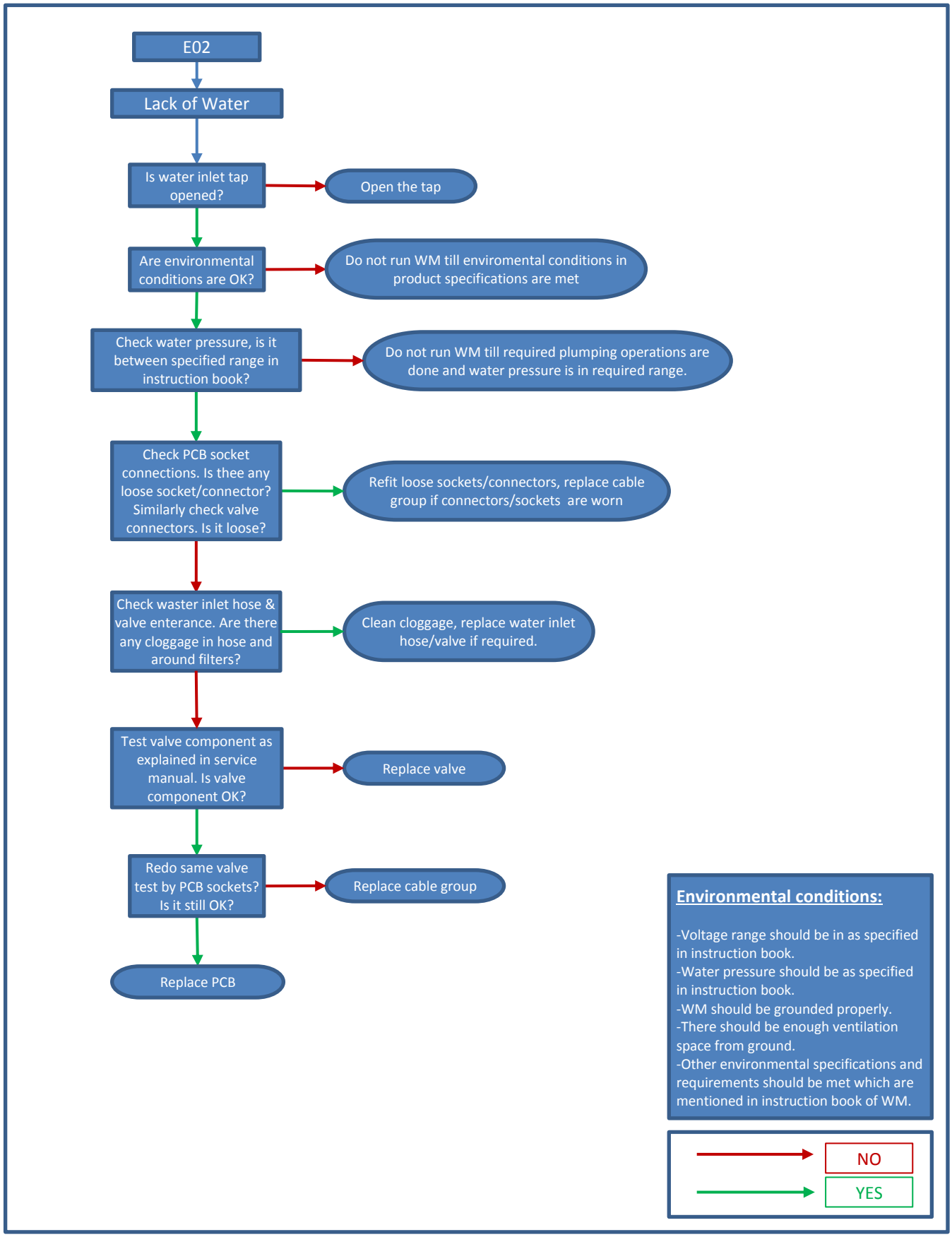
9. Wiring Diagram*

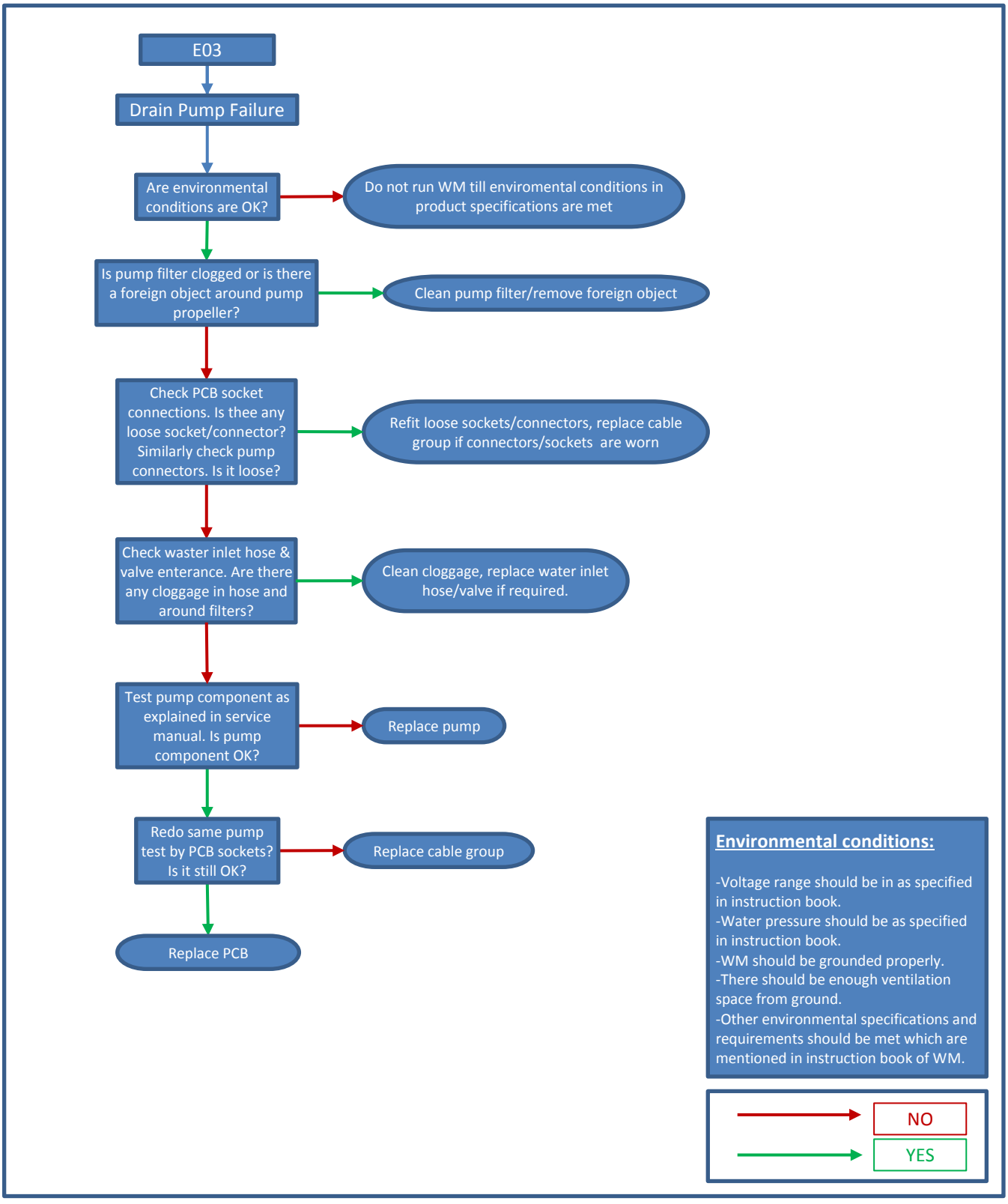


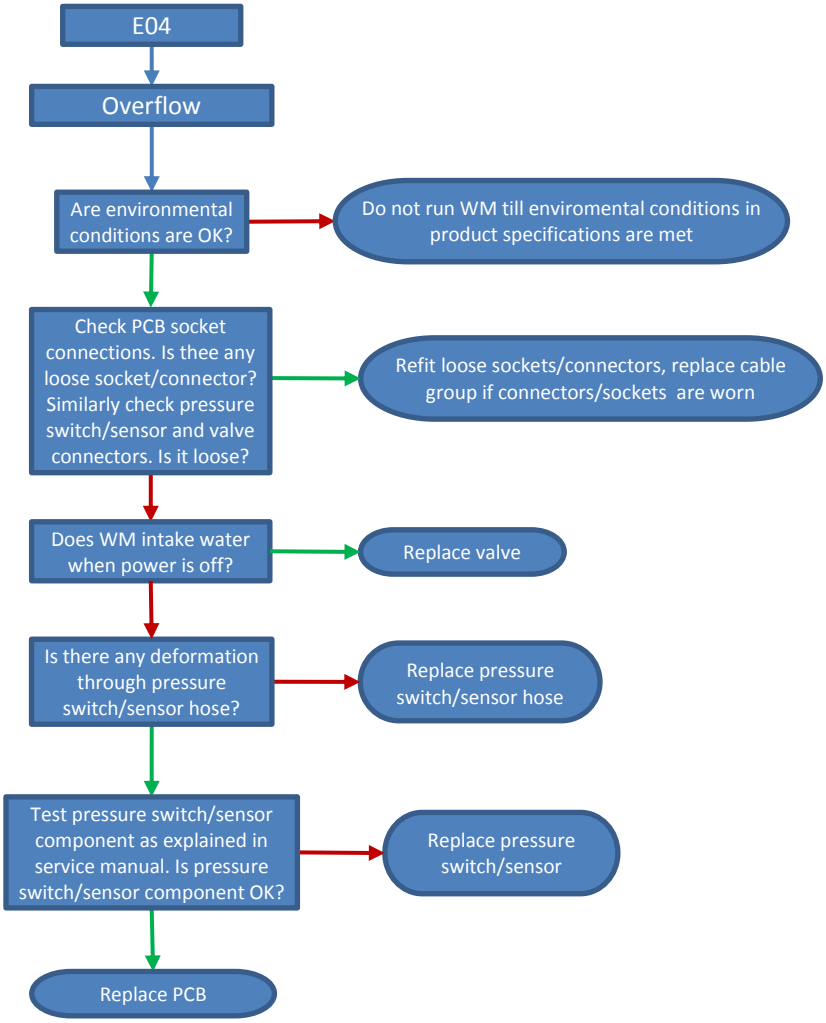
10. Troubleshooting

Please apply basic troubleshooting steps described in user manual. If you can not find a solution you should run service autotest and complete all steps. In case of an error encounter please follow the instructions through flowchart related with the error.




E02
Lack of Water
Is water inlet tap opened?
Open the tap
Are environmental conditions are OK?
Do not run WM till enviromental conditions in product specifications are met
Check water pressure, is it between specified range in instruction book?
Do not run WM till required plumping operations are done and water pressure is in required range.
Check PCB socket connections. Is thee any loose socket/connector? Similarly check valve connectors. Is it loose?
Refit loose sockets/connectors, replace cable group if connectors/sockets are worn
Check waster inlet hose & valve enterance. Are there any cloggage in hose and around filters?
Clean cloggage, replace water inlet hose/valve if required.
Test valve component as explained in service manual. Is valve component OK?
Replace valve
Redo same valve test by PCB sockets? Is it still OK?
Replace cable group
Replace PCB
Environmental conditions:
-Voltage range should be in as specified in instruction book.
-Water pressure should be as specified in instruction book.
-WM should be grounded properly.
-There should be enough ventilation space from ground.
-Other environmental specifications and requirements should be met which are mentioned in instruction book of WM.
NO
YES


E03
Drain Pump Failure
Are environmental conditions are OK?
Do not run WM till enviromental conditions in product specifications are met
Is pump filter clogged or is there a foreign object around pump propeller?
Clean pump filter/remove foreign object
Check PCB socket connections. Is thee any loose socket/connector? Similarly check pump connectors. Is it loose?
Refit loose sockets/connectors, replace cable group if connectors/sockets are worn
Check waster inlet hose & valve enterance. Are there any cloggage in hose and around filters?
Clean cloggage, replace water inlet hose/valve if required.
Test pump component as explained in service manual. Is pump component OK?
Replace pump
Redo same pump test by PCB sockets? Is it still OK?
Replace cable group
Replace PCB
Environmental conditions:
-Voltage range should be in as specified in instruction book.
-Water pressure should be as specified in instruction book.
-WM should be grounded properly.
-There should be enough ventilation space from ground.
-Other environmental specifications and requirements should be met which are mentioned in instruction book of WM.
NO
YES

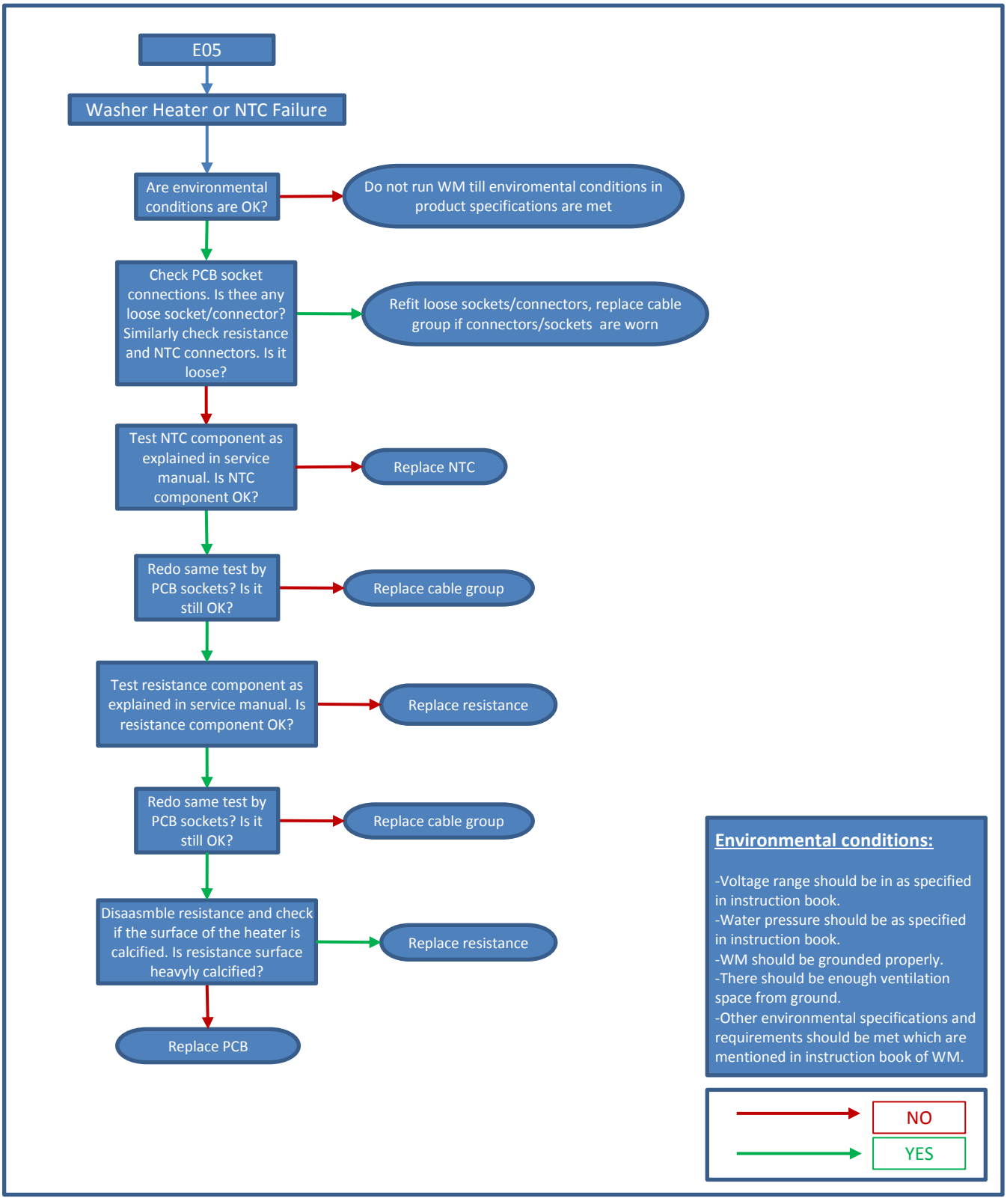


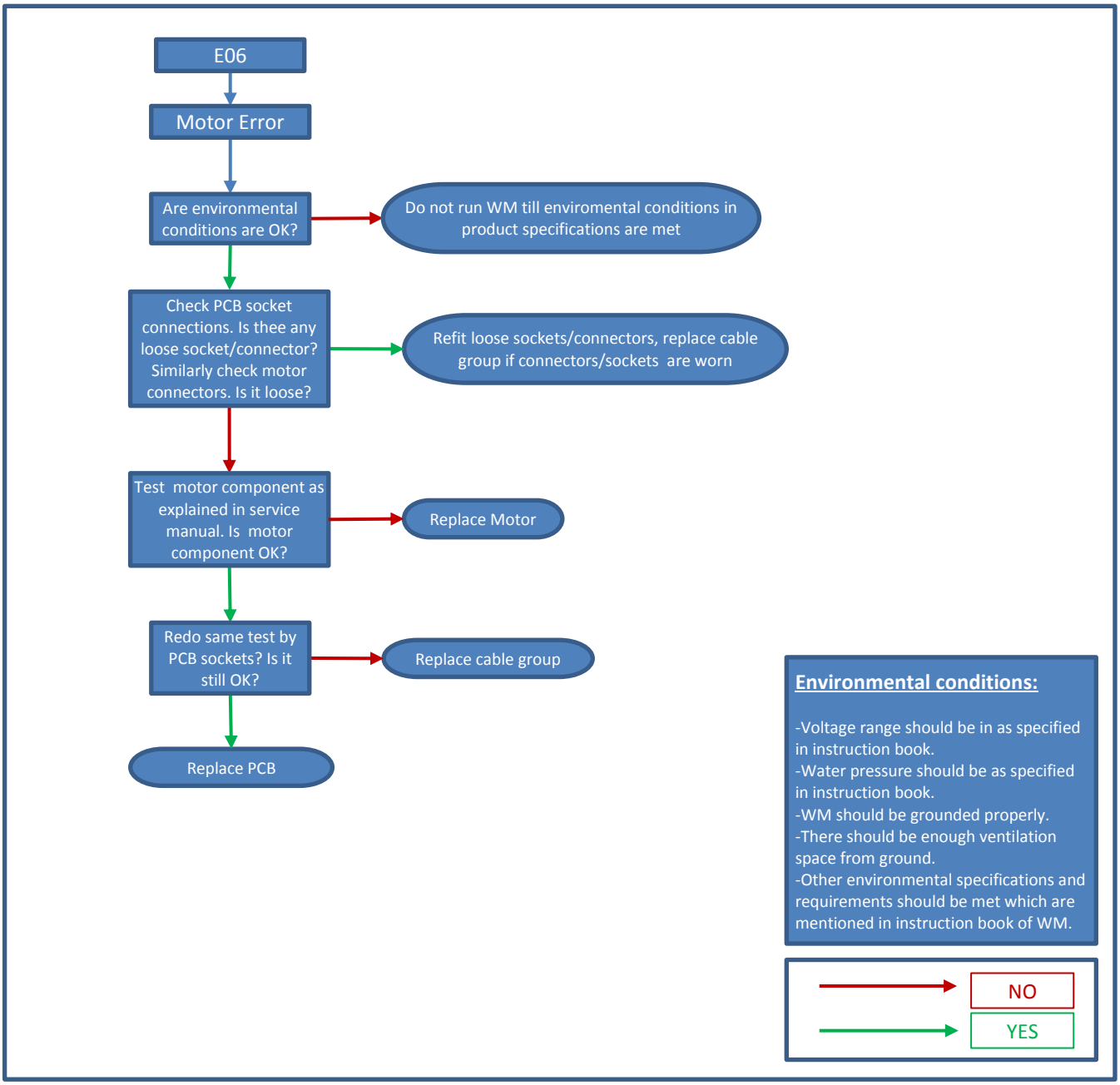
Environmental conditions:

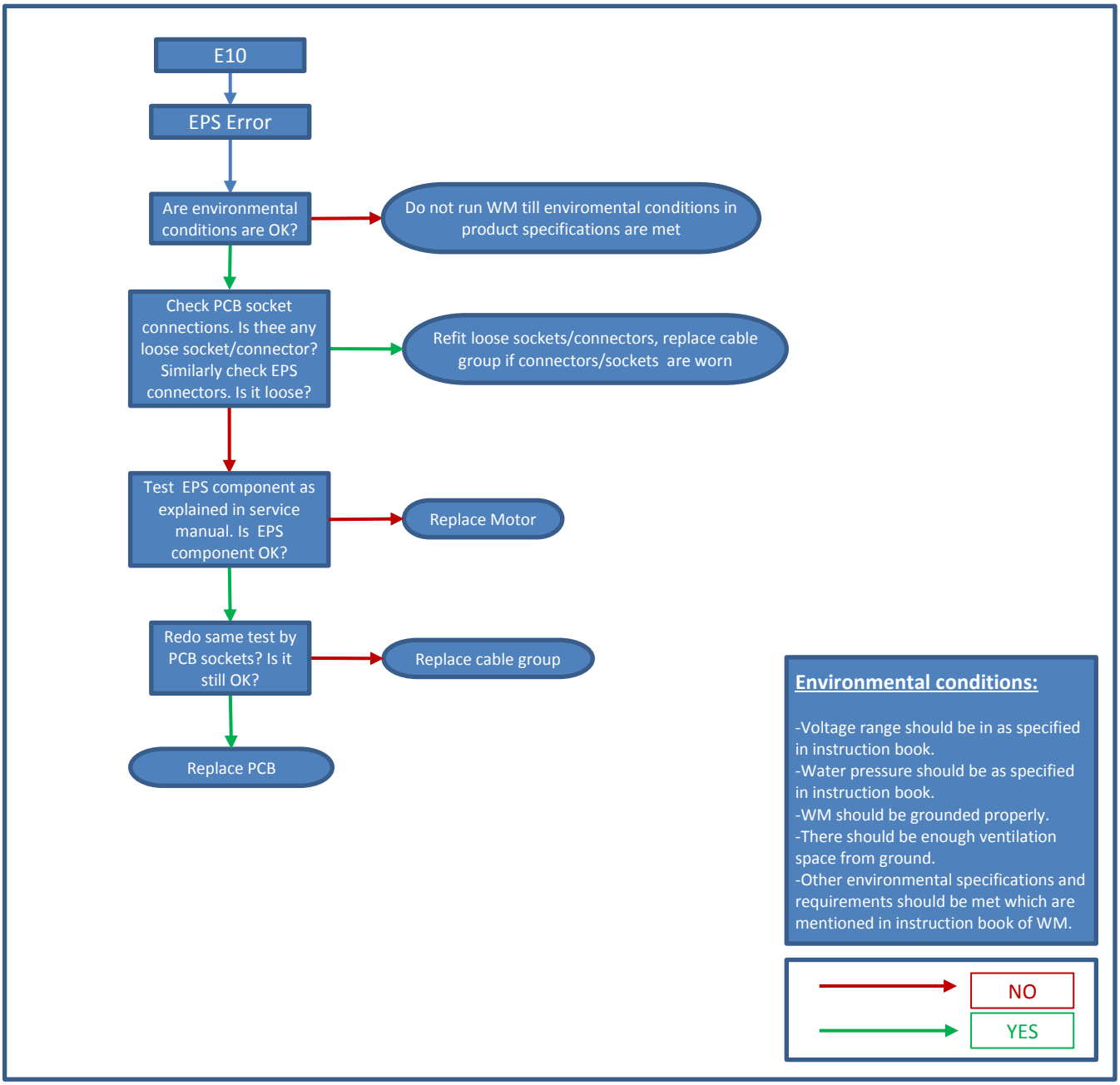
-Voltage range should be in as specified in instruction book.
-Water pressure should be as specified in instruction book.
-WM should be grounded properly.
-There should be enough ventilation space from ground.
-Other environmental specifications and requirements should be met which are mentioned in instruction book of WM.

NO

YES


E05
Washer Heater or NTC Failure
Are environmental conditions are OK?
Do not run WM till enviromental conditions in product specifications are met
Check PCB socket connections. Is thee any loose socket/connector? Similarly check resistance and NTC connectors. Is it loose?
Refit loose sockets/connectors, replace cable group if connectors/sockets are worn
Test NTC component as explained in service manual. Is NTC component OK?
Replace NTC
Redo same test by PCB sockets? Is it still OK?
Replace cable group
Test resistance component as explained in service manual. Is resistance component OK?
Replace resistance
Redo same test by PCB sockets? Is it still OK?
Replace cable group
Disaasmble resistance and check if the surface of the heater is calcified. Is resistance surface heavyly calcified?
Replace resistance
Replace PCB
Environmental conditions:
-Voltage range should be in as specified in instruction book.
-Water pressure should be as specified in instruction book.
-WM should be grounded properly.
-There should be enough ventilation space from ground.
-Other environmental specifications and requirements should be met which are mentioned in instruction book of WM.
NO
YES


E06
Motor Error
Are environmental conditions are OK?
Do not run WM till enviromental conditions in product specifications are met
Check PCB socket connections. Is thee any loose socket/connector? Similarly check motor connectors. Is it loose?
Refit loose sockets/connectors, replace cable group if connectors/sockets are worn
Test motor component as explained in service manual. Is motor component OK?
Replace Motor
Redo same test by PCB sockets? Is it still OK?
Replace cable group
Replace PCB
Environmental conditions:
-Voltage range should be in as specified in instruction book.
-Water pressure should be as specified in instruction book.
-WM should be grounded properly.
-There should be enough ventilation space from ground.
-Other environmental specifications and requirements should be met which are mentioned in instruction book of WM.
NO
YES


E10
EPS Error
Are environmental conditions are OK?
Do not run WM till enviromental conditions in product specifications are met
Check PCB socket connections. Is thee any loose socket/connector? Similarly check EPS connectors. Is it loose?
Refit loose sockets/connectors, replace cable group if connectors/sockets are worn
Test EPS component as explained in service manual. Is EPS component OK?
Replace Motor
Redo same test by PCB sockets? Is it still OK?
Replace cable group
Replace PCB
Environmental conditions:
-Voltage range should be in as specified in instruction book.
-Water pressure should be as specified in instruction book.
-WM should be grounded properly.
-There should be enough ventilation space from ground.
-Other environmental specifications and requirements should be met which are mentioned in instruction book of WM.
NO
YES

LW8014 Plastic Agitator-Lifter-Paddle Removal Instructions

Please go to below URL for a file that contains video explanations on how to remove the plastic agitator-lifter-paddle:

https://www.dropbox.com/s/lc1ovqks4jkv8fk/LW8014%20Plastic%20Agitator-Lifter-Paddle%20Removal%20instructions.pptx?dl=0