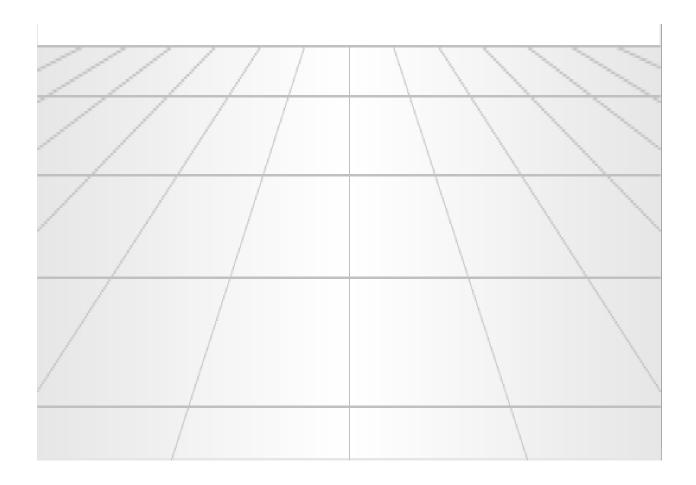


B13 BETTER(B13BEST) FAULT FLOW DIYAGRAMI



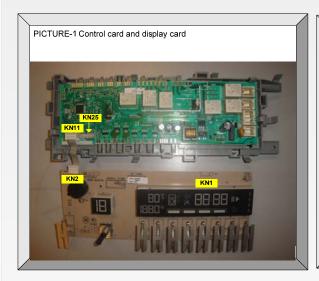


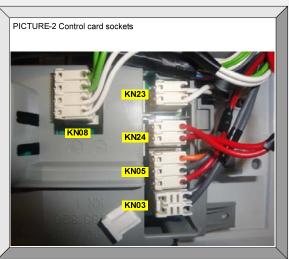
FAILURE / ERROR CODES

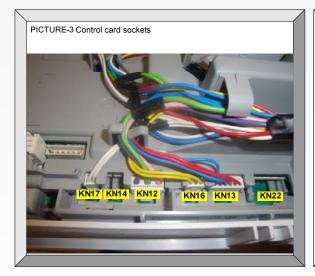
SERVICE MODE ERROR CODE	ERROR DEFINITION
E01	NTC short circuit NTC open circuit error
E02	Heater open circuit error
E03	Heater continuously active error
E04	Valve triac short circuit Valve triac diode error
E05	*Pump triac open circuit error or *Pump clogged error or *Pump triac diode mode error or *Pump rotor locked and cannot rotate error
E06	Motor triac short circuit or (UMDC) Motor triac diode mode error (UMDC)
E07	Water level sensor reading error
E08	Water cutoff or Valve triac open circuit or Pump triac short circuit error
E09	Door lock triac open circuit error
E10	Door lock triac short circuit error
E11	Motor phase open circuit error (ASKOLL) Motor triac open circuit or (UMDC) Motor tacho open circuit (UMDC)
E12	Water level is at aquastop level error
E13	BLAC motor communication cable open circuit error
E15	Flowmeter short circuit or open circuit error
E17	Program finished without rinsing because of foam (it is not an error, it is a warning)
E18	Program finished without rinsing because of unbalanced load (it is not an error, it is a warning)
E28	Door lock signal (zero cross) is not received error
E29	Operating voltage out of limit error

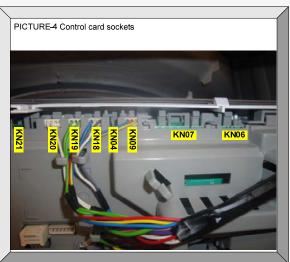


FAILURE FLOW / ERROR FINDING DIAGRAMS Electronic Board Sockets





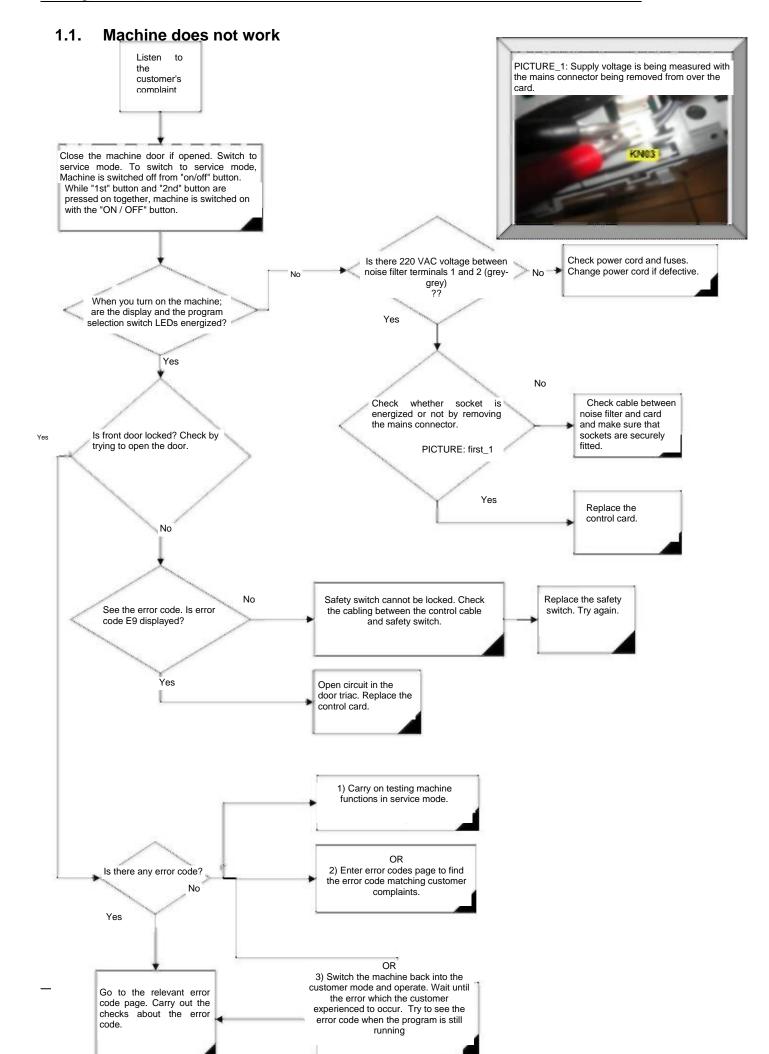




KN1- DISPLAY CARD PROGRAM INSTALLATION
KN2- DISPLAY CARD INPUT (DISPLAY)
KN03- 220 VAC INPUT
KN05- DOOR LOCK
KN06- MOTOR DC CARD (UMDC)
KN07- MOTOR (UMDC)
KN08- MOTOR-IMPEDANCE COIL (BLAC)
KN09- MOTOR COMMUNICATION (BLAC)
KN11- DISPLAY CARD INPUT (MAIN BOARD)
KN12- DRAINING-JET PUMP
KN13- PREWASH-MAIN WASH VALVE
KN14- HOT WATER VALVE
KN16- STEAM VALVE
KN17- AQUASTOP
KN18- WATER LEVEL SENSOR
KN19- NTC
KN20- FLOWMETER (WATER METER)
KN23- STEAM GENERATOR
KN24- HEATER
KN24- MAIN BOARD PROGRAM INSTALLATION

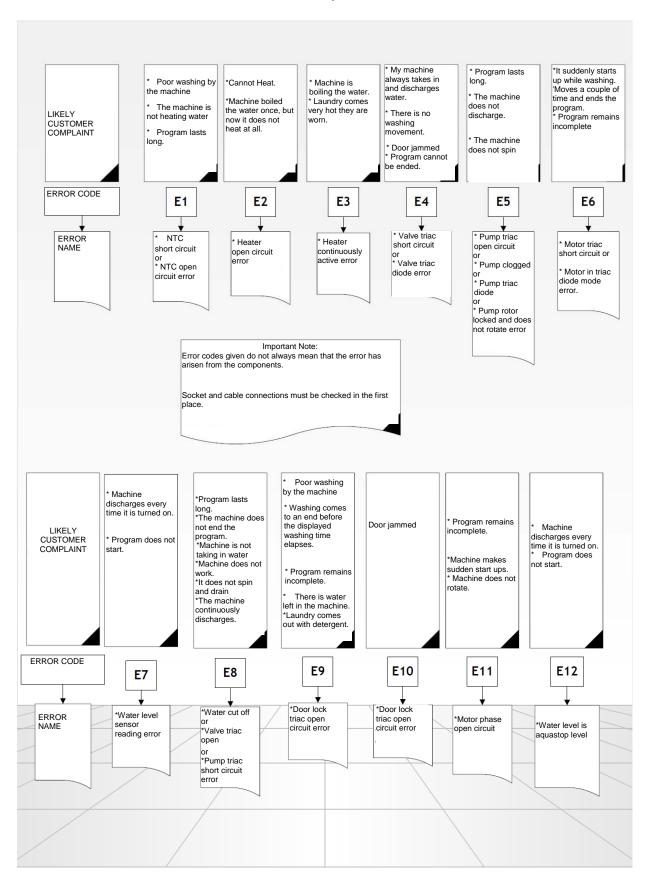




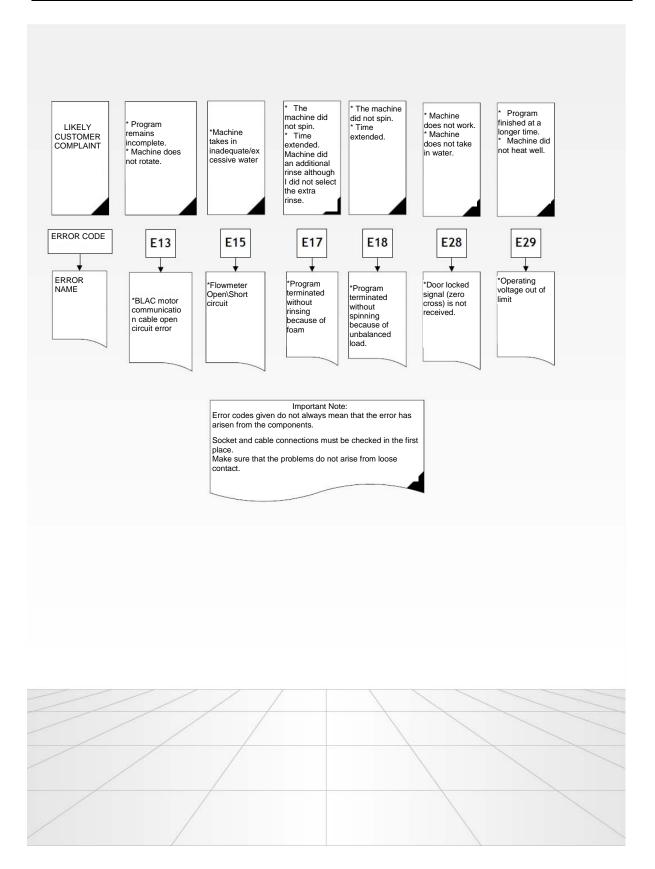




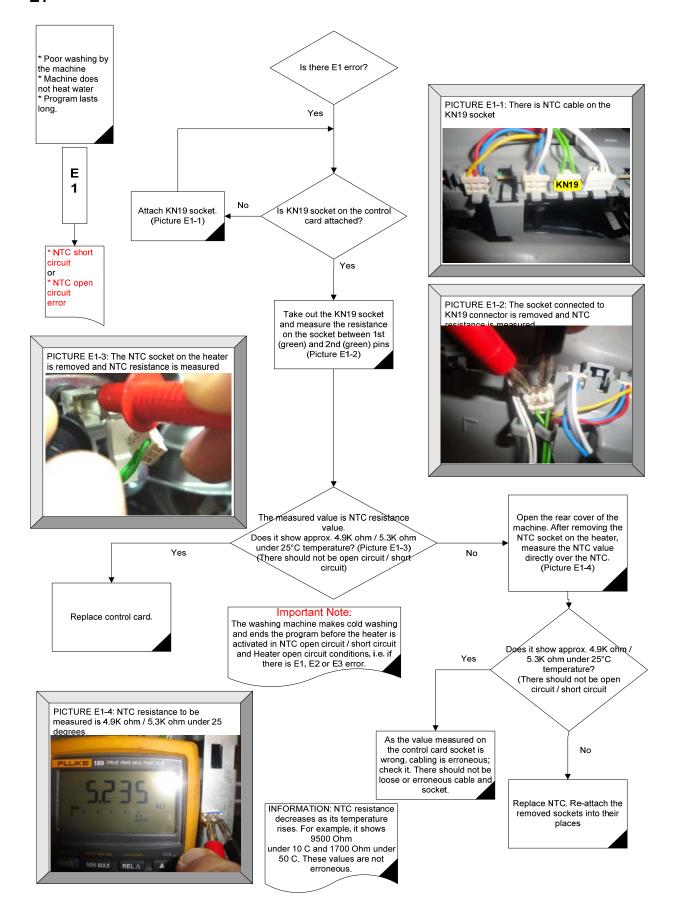
Error Codes and Possible Customer Complaints



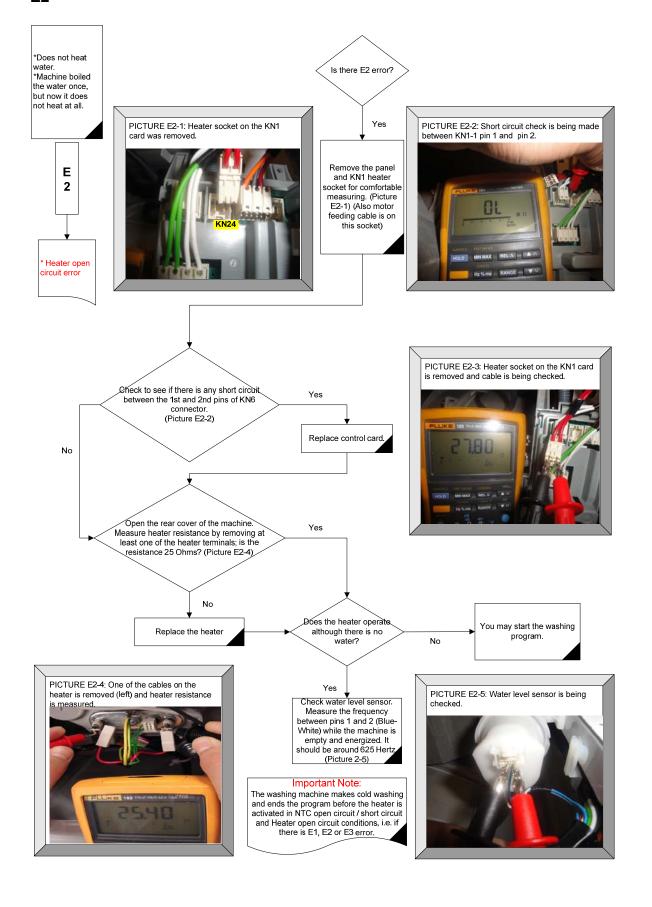




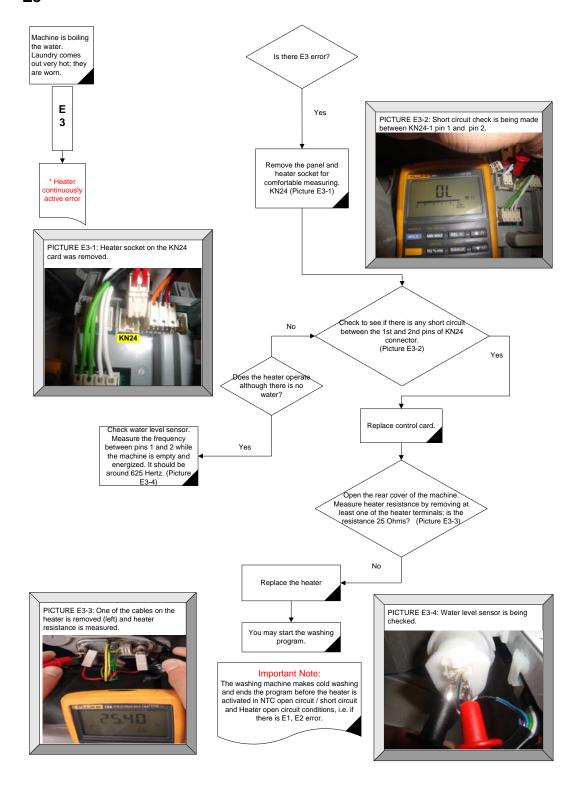








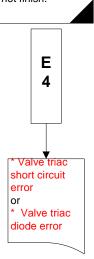


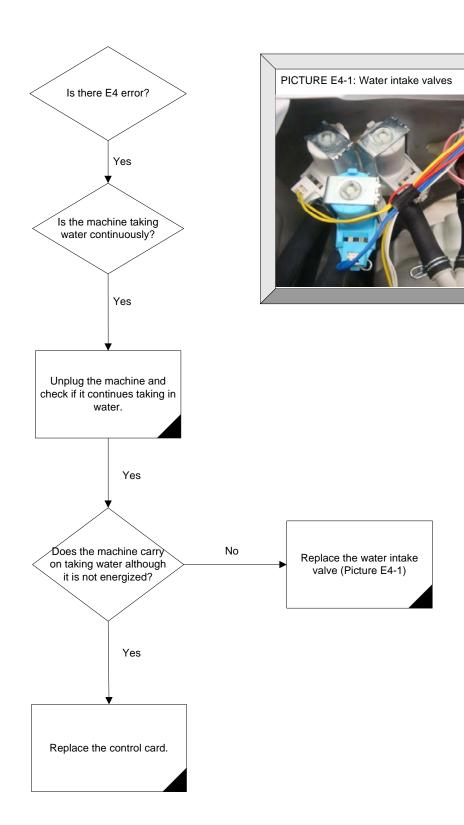




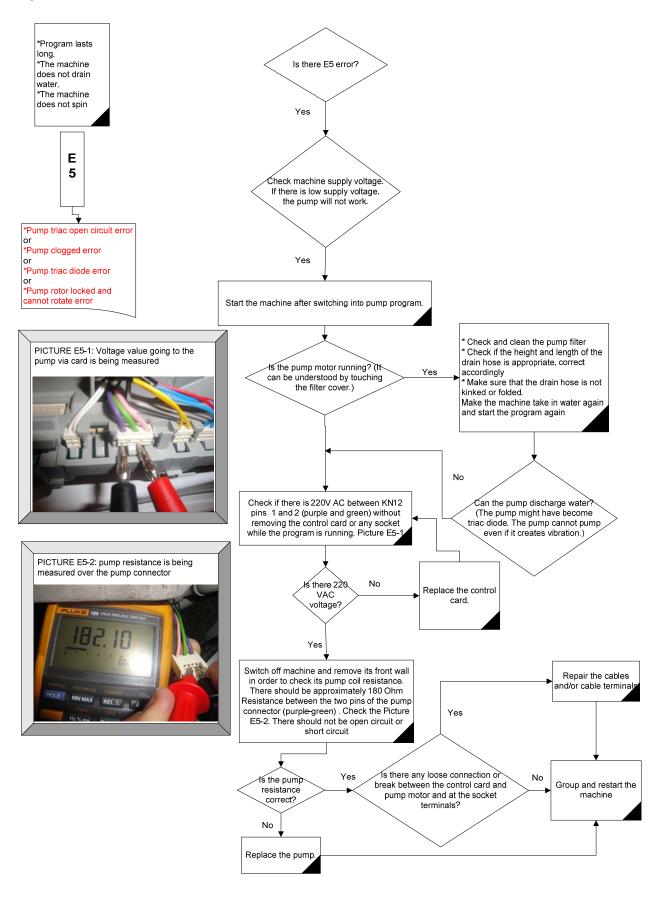


- movement action
- * Door jammed
- * Program does not finish.







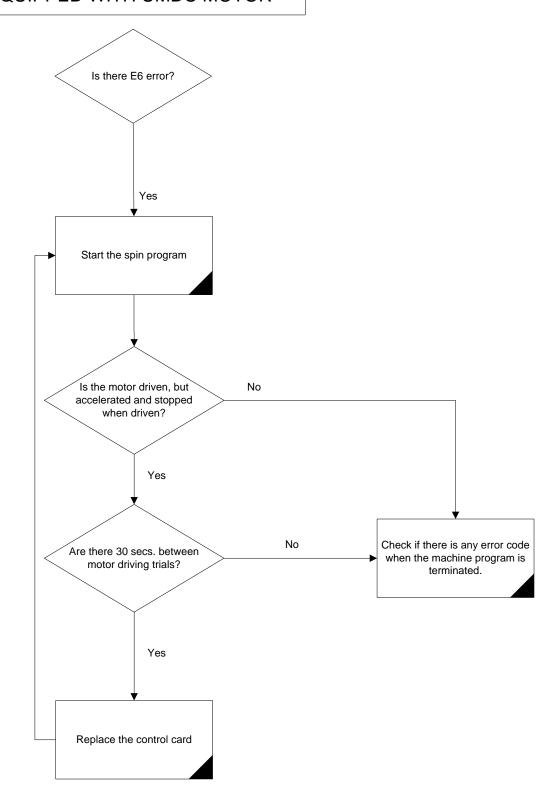




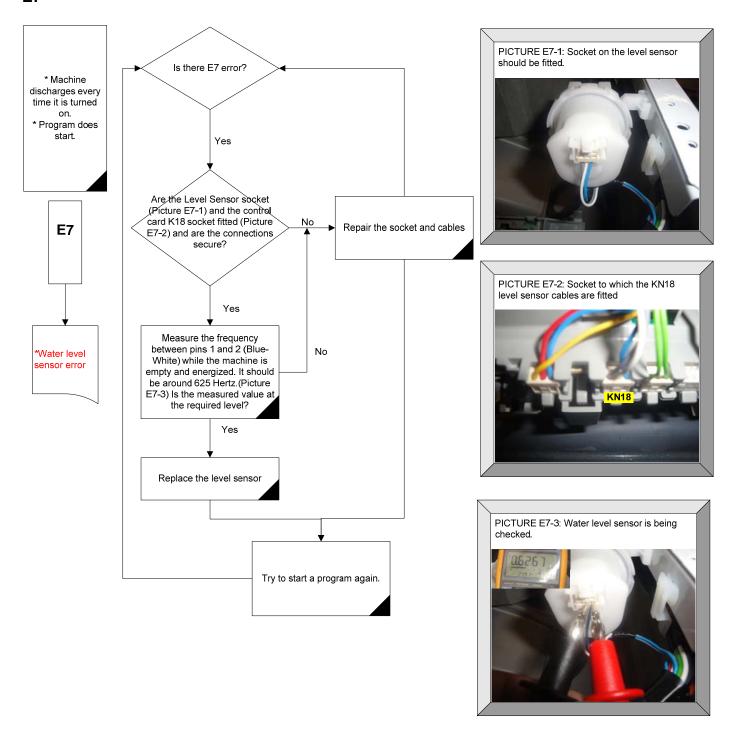
*It starts suddenly during washing cycle. *Moves for a few times and finishes the program. *Program is not completed.

* Motor triac short circuit error or *Motor triac in diode mode error.

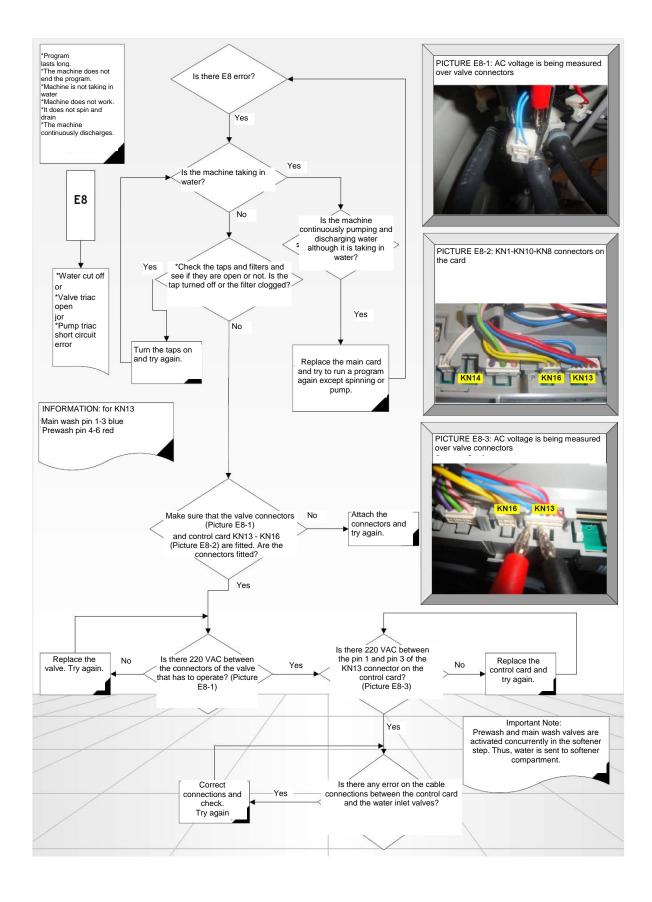
ONLY APPLIES TO THE PRODUCT EQUIPPED WITH UMDC MOTOR







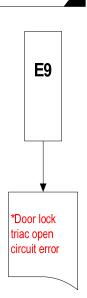


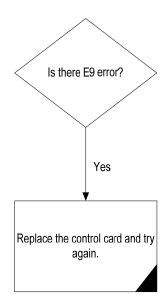


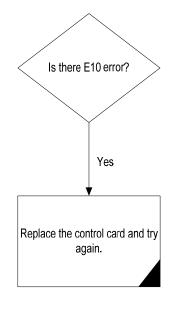


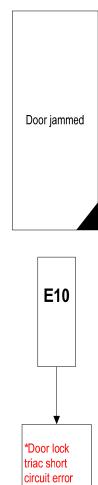
E9 - E10

- * Machine gives bad wash results. * Washing comes to an end before the displayed washing time elapses.
- * Program is not completed.
- * Machine leaves water inside. Laundry comes out with detergent



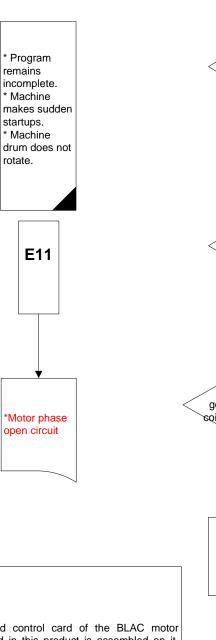


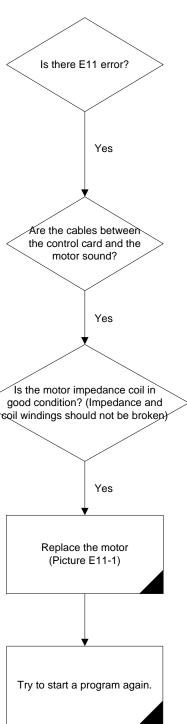




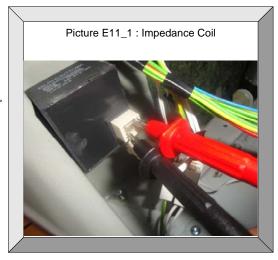


E11_1





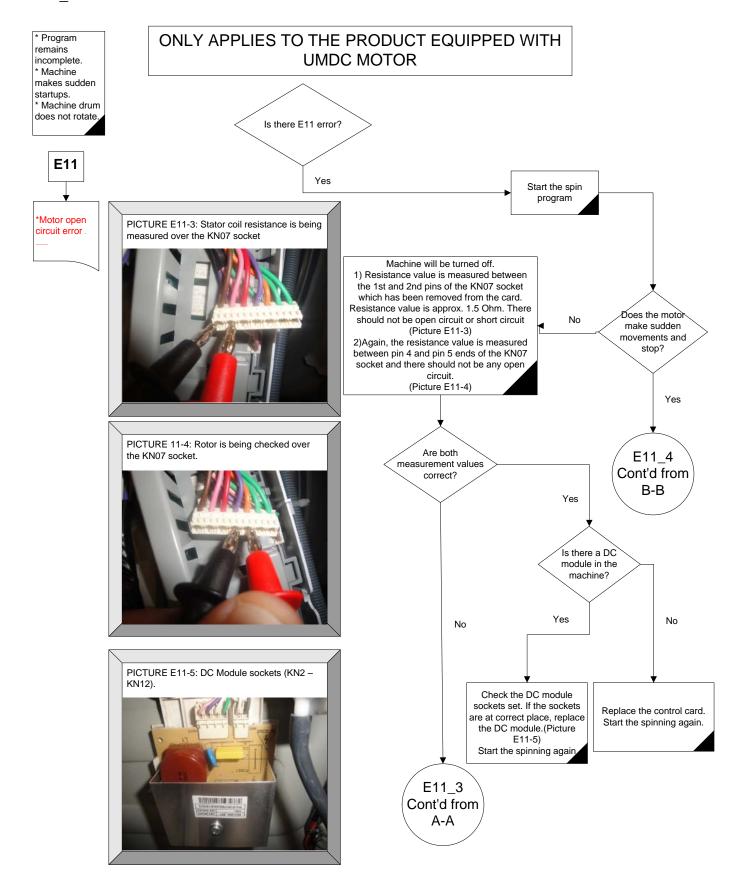




NOTE: Speed control card of the BLAC motor which is used in this product is assembled on it. For the cases conforming to E11 error definition, motor should be replaced.



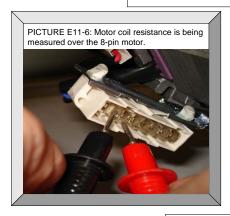
E11 2



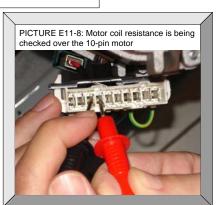


E11 3

ONLY APPLIES TO THE PRODUCT EQUIPPED WITH UMDC MOTOR



8-pin Rear cover of the machine is opened. Is the motor connector 8-pin or 10-pin?



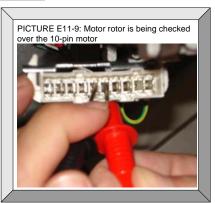
Motor socket is removed.
 Resistance value is measured between the 2nd and 3rd pins of the motor connector. Resistance value is approx. 1.5 Ohm. There should not be open circuit or short circuit (Picture E11-6)

2 Resistance value is measured between pin 4 and pin 5 ends of the motor connector and there should not be any open circuit. (Picture E11-7) Motor socket is removed.
 Resistance value is measured between the 3rd and 4th pins of the motor connector. Resistance value is approx. 1.5 Ohm. There should not be open circuit or short circuit (Picture E11-8)

2 Resistance value is measured between pin 5 and pin 6 ends of the motor connector and there should not be any open circuit. (Picture E11-9)

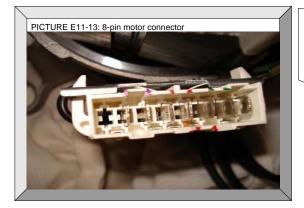


Are both measurement values No correct?



Check the cabling between the card and the motor and correct accordingly. Start the spinning again.

Replace the motor. Start the spinning again

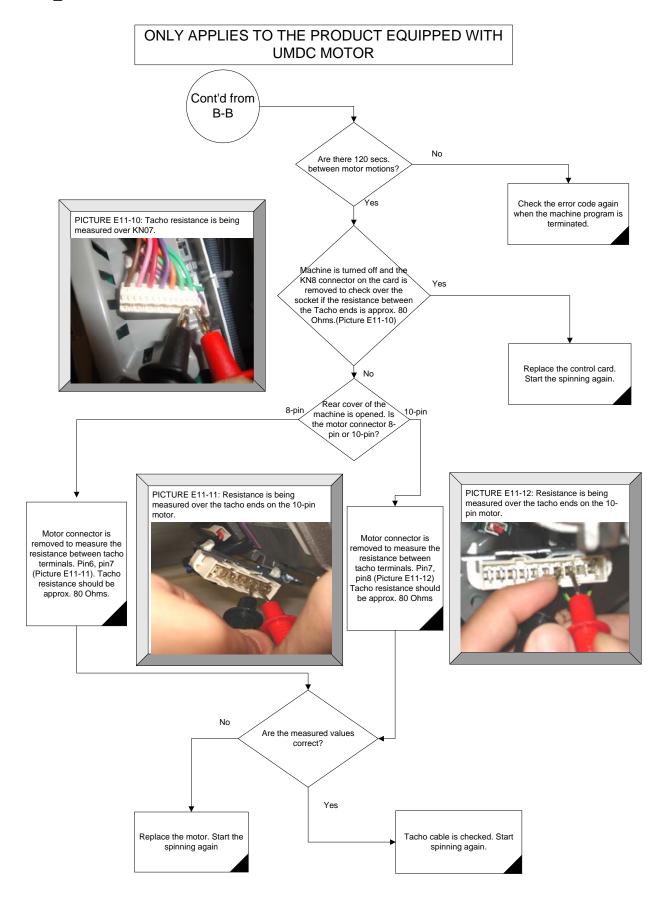


IMPORTANT: First connector on the 8-pin motor connector is empty. This connector is also counted.

Picture E11-13

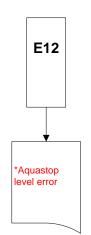


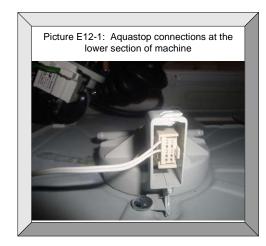
E11 4

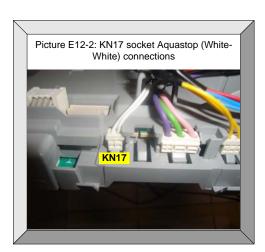


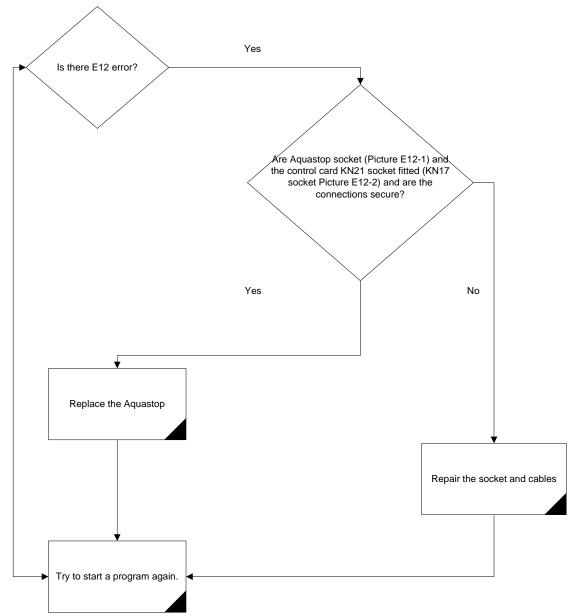






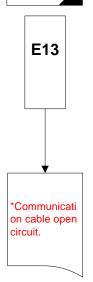


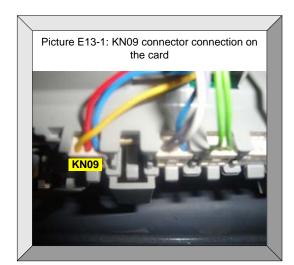


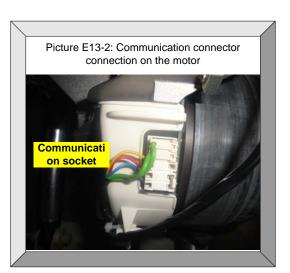


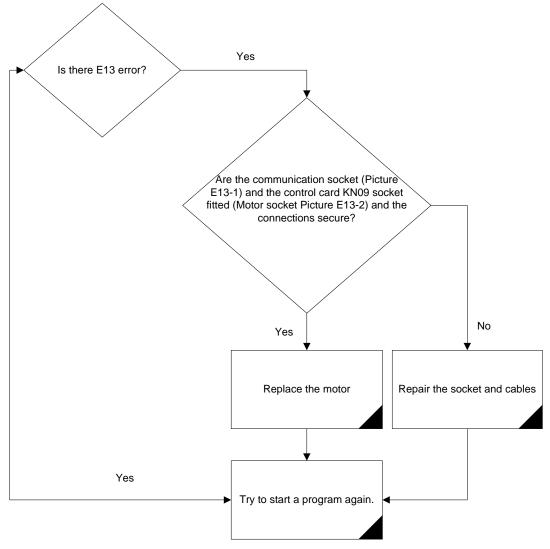


*Poor washing by the machine. * It ends the program.

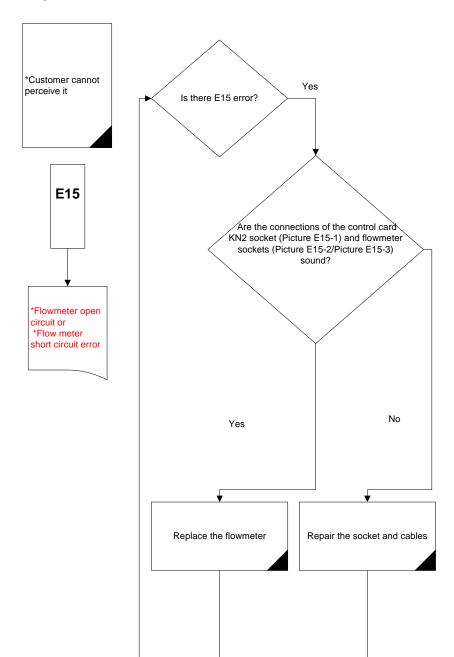




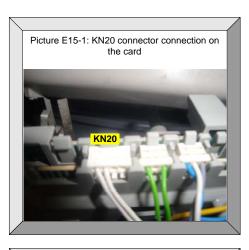








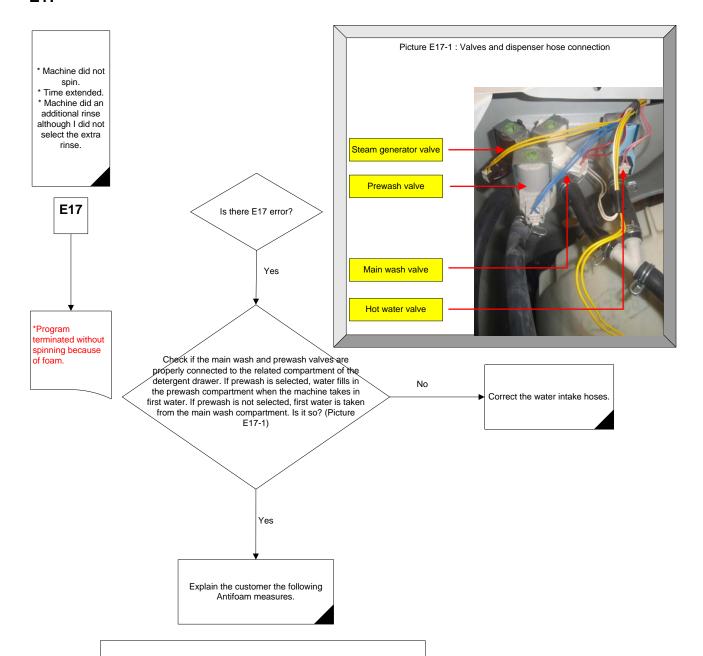
Try to start a program again.











Reasons of foam creation and methods for preventing this,

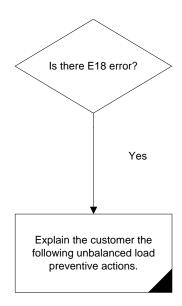
- If you add detergent in the prewash compartment although you have not selected a prewash cycle, detergent is taken from this compartment during rinsing the laundry which causes foam creation.
- 2)You should use laundry detergent in automatic washing machines.

 3)Laundry may have detergent leftovers as a result of using excessive detergent.
- 3)Laundry may have detergent leftovers as a result of using excessive detergent. You should try to use only adequate amount of it.
- 4) Keep your detergent in a closed and dry place.
- 5) You should use less amount of detergent than ever for your lacy laundry.
- 6) You should not use too much softener.

* Machine did not spin. * Time lengthened.

E18

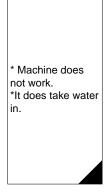
*Program terminated without spinning because of unbalanced load

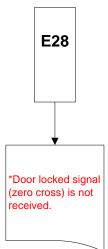


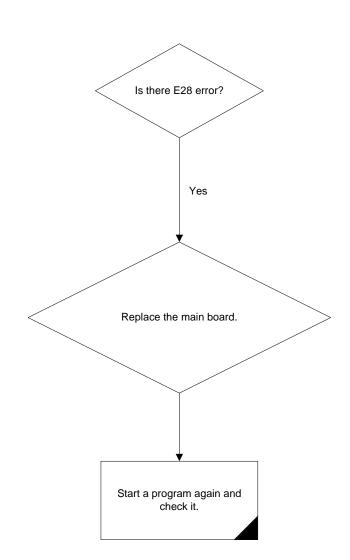
Reasons for ending the program without spinning as a result of unbalanced load detection

- 1) Laundry may pile up on one side of the drum when you run your machine with less laundry. There is the risk of damaging the washing machine when it is operated in higher speeds with unbalanced load. Therefore, when the unbalanced load in the machine is calculated more than the limit value, the machine does not spin for safety reasons.
- 2) Piling up of laundry at one point in the drum will be higher when the machine is operated with a single pullover, bathrobe or towel. Avoid washing such laundry as one piece as much as you can.





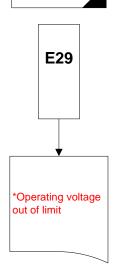


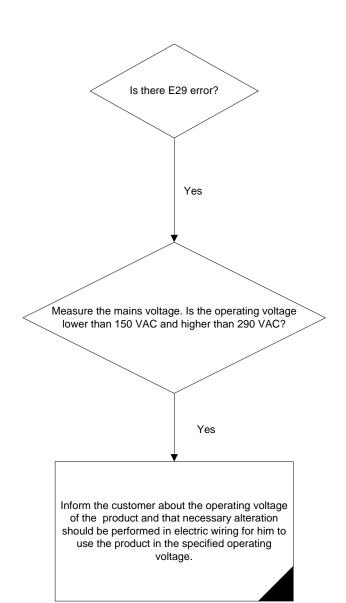




* Program finished at a longer time. * Machine did not

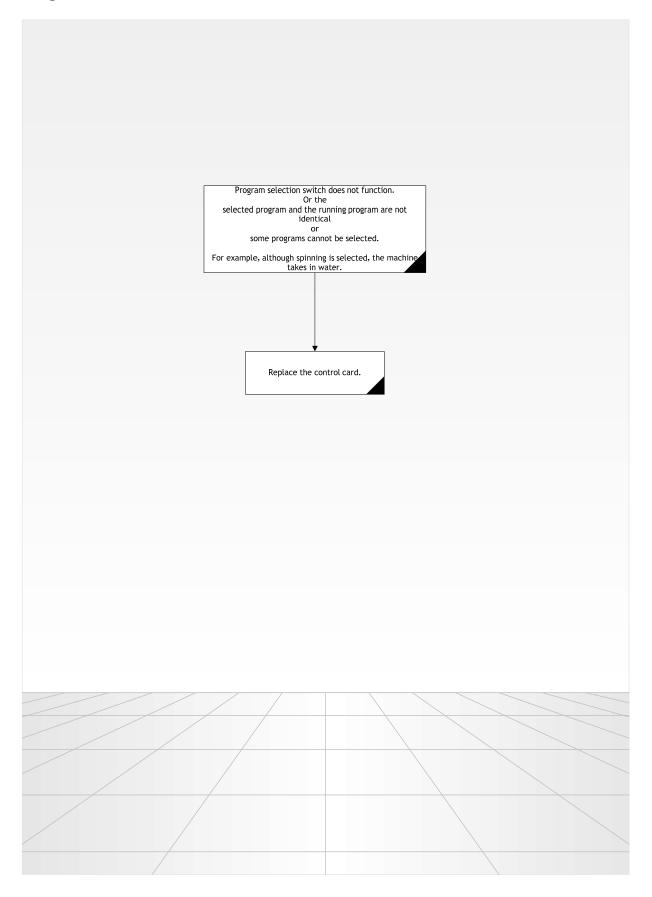
heat well.





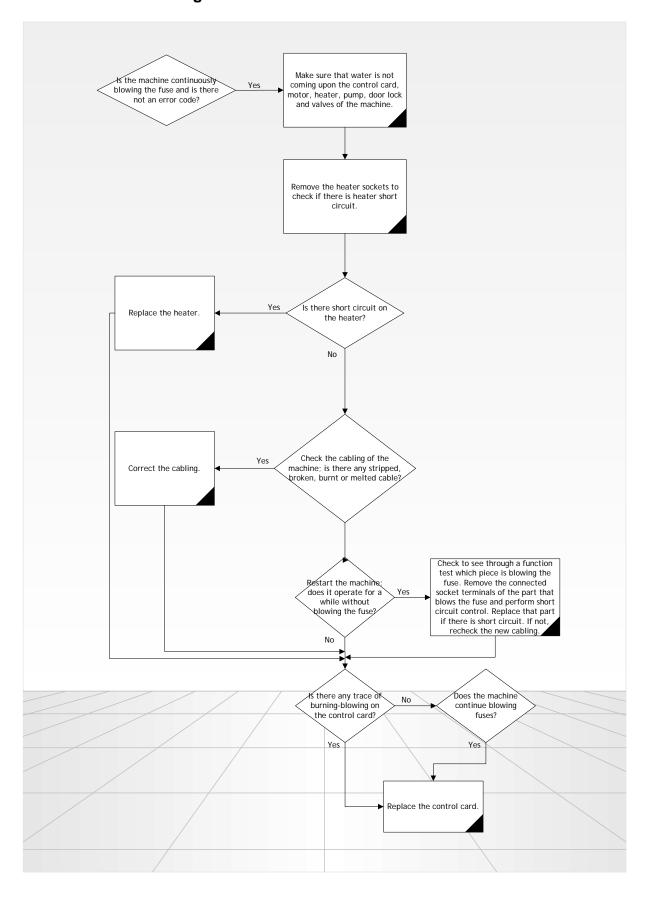


Program Selection Switch does not function



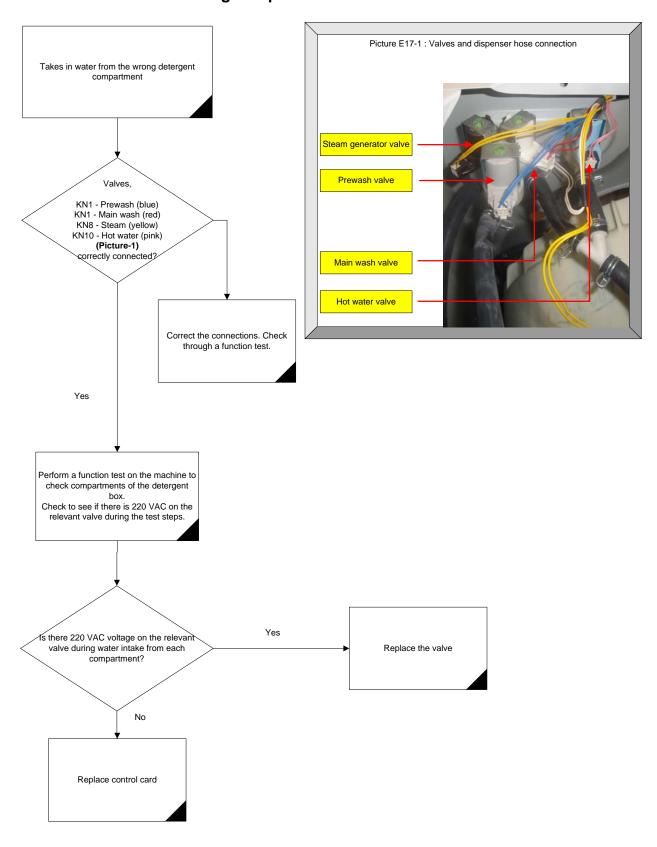


The machine is blowing the fuse



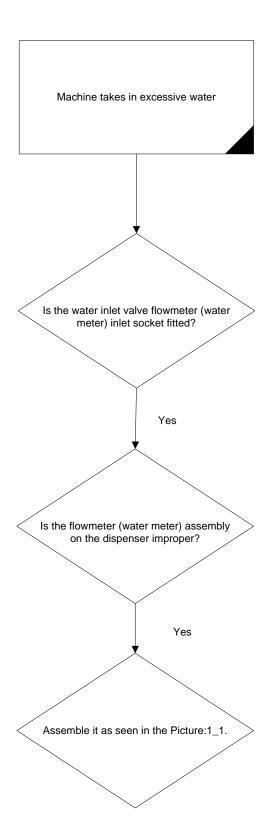


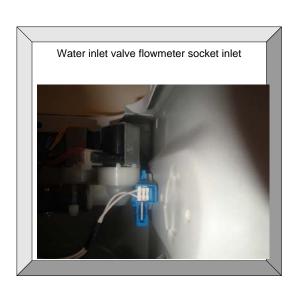
Water taken from the wrong compartment



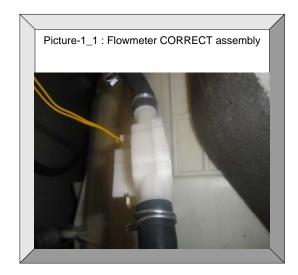


Machine takes in excessive water











Steam Generator does not work

