Service manual
MSWM18040

Models:

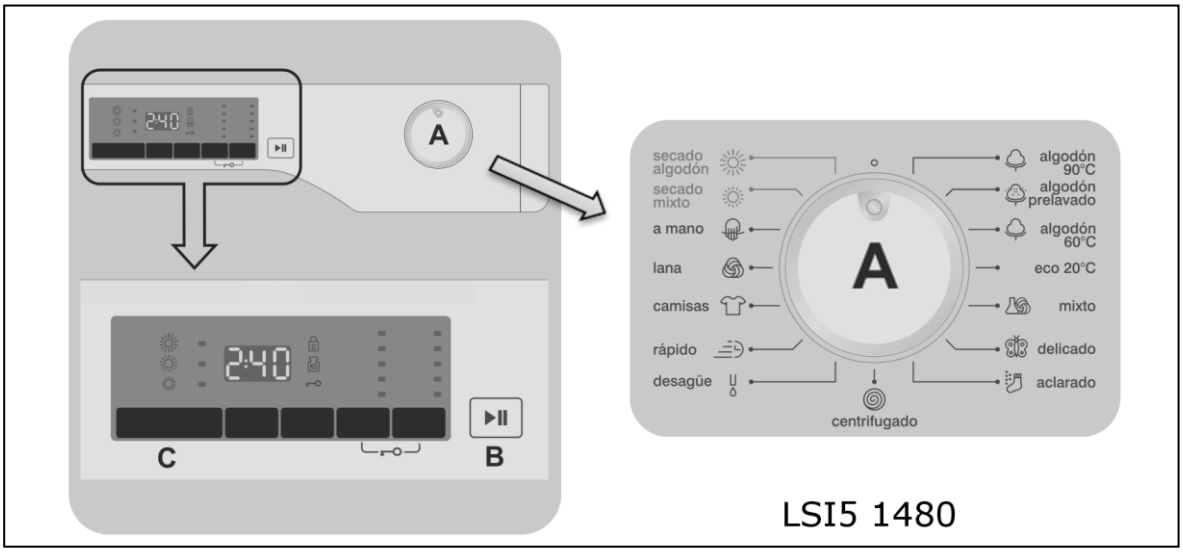
LSI5 1480 **LI5 1080** **LI5 1280**
LI5 1480

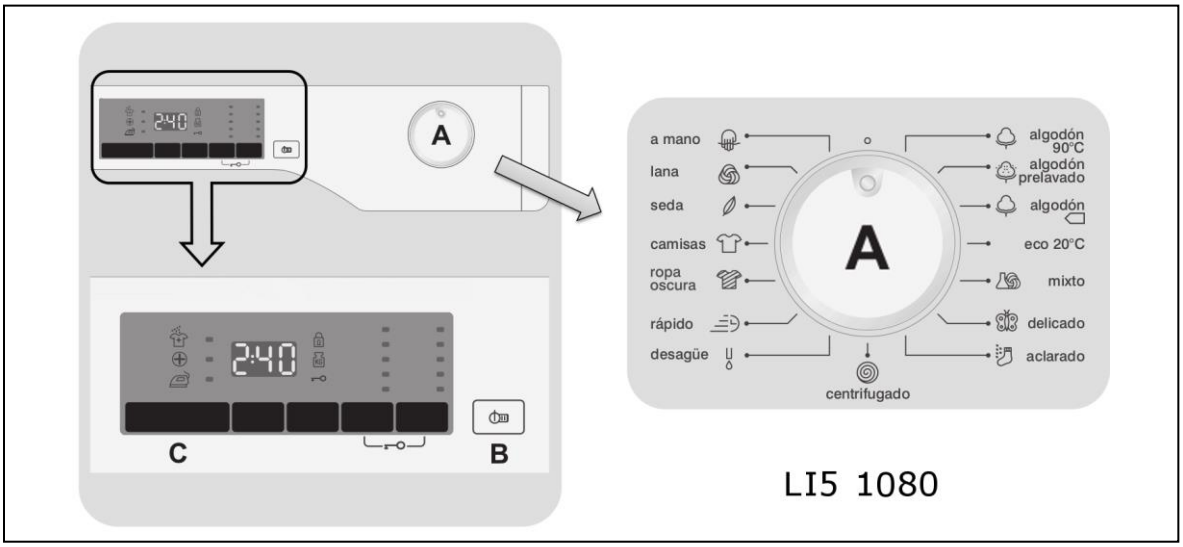
Contents

1. Introduction

This manual explains how to access the service test of the indicated models as well as the error codes meaning.

2. Control panels





3. Self-test

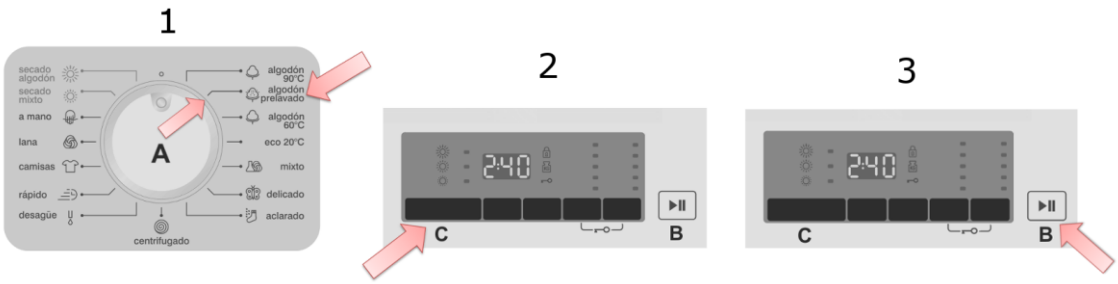
The Self-test checking routine performs a component verification sequence without the need to intervene once it is running. At the end of each of the steps, the following is launched.

Before launching the Self-test routine it is recommended to carry out the following operations:

- Connect a 20A/AC reading scale 2 digits Digital Ammeter, in series to one of the phases of the mains current, on the mains wire of the appliance. This will allow to verify the components during the test.
- Carefully empty the drum of the washing machine, because during the Auto-test sequence the unbalance safety provided by the software is disabled.
- Set the Program Selector's Knob [A] to the OFF position and wait for 30 seconds before to launch the self-test.

Activation of the self-test routine:

1. **Set the Programs Selector Knob [A] to the second Washing Program** after the OFF position in clockwise sense. Wait a moment for the display to turn off. The display will remain off for approximately 1 second.
2. **Push the first Button to the Left [C]** under the LCD screen while the display is off until the display shows 0:80 and all the LEDs on the screen remain illuminated.
3. **Within 5 seconds, push the Start/Pause Button [B].** From this moment on, the self-test routine will be carried out automatically.



Description of the steps of the self-test routine:

Step	Description
1	Water is loaded to complete the "base level" of 6 litters, through the Detergent's Compartment for Pre-wash (I).
2	1 second of pause.
3	It's now fed for about 10 seconds, the Water Heating Element (from about 4.5A to about 8A on the Digital Ammeter, depending on the type of featured Heating Element).
4	The water load continues through the Detergent's Compartment for Main Wash (II). It's fed the Motor for the tumbling of the Drum in clockwise sense at 55 rpm and for about 16 seconds.
5	Pause of the Motor for ~ 4 seconds and the water load continues with the simultaneous feeding of both Solenoid Valves, to fill up the Detergent's Compartment for Softener (❀).
6	The water load continues for both Solenoid Valves and it's fed the Motor for the tumbling of the Drum in Anticlockwise sense at 55 rpm, for the time of about 12 seconds.
7	It's fed the Drain Pump, until the "empty tank" Pressure sensor condition.
8	It's carried out a Short Spin Phase, lasting about 15 seconds, at the half of the maximum speed available.
9	If the machine is a Washer-Dryer, are simultaneously activated the Drying Heater Element (for the first 5 seconds - about 5.90A at 220-230V/AC) and the Solenoid Valve for Steam Condensation together with the Drying fan (for a total of 15 seconds). *(*) Only for LSI5 1480*
10	End of the Self-test sequence. The display and all the leds are flashing.

SET THE PROGRAM KNOB BACK TO OFF AND UNPLUG THE MACHINE. LET THE MACHINE BE OFF FOR AT LEAST 30", to be sure that the Self-test procedure has been reset. Actually, the washing machines with these power cards remain in "standby" condition (electrically powered power card) even if the Program Knob is in OFF position.

4. Error codes

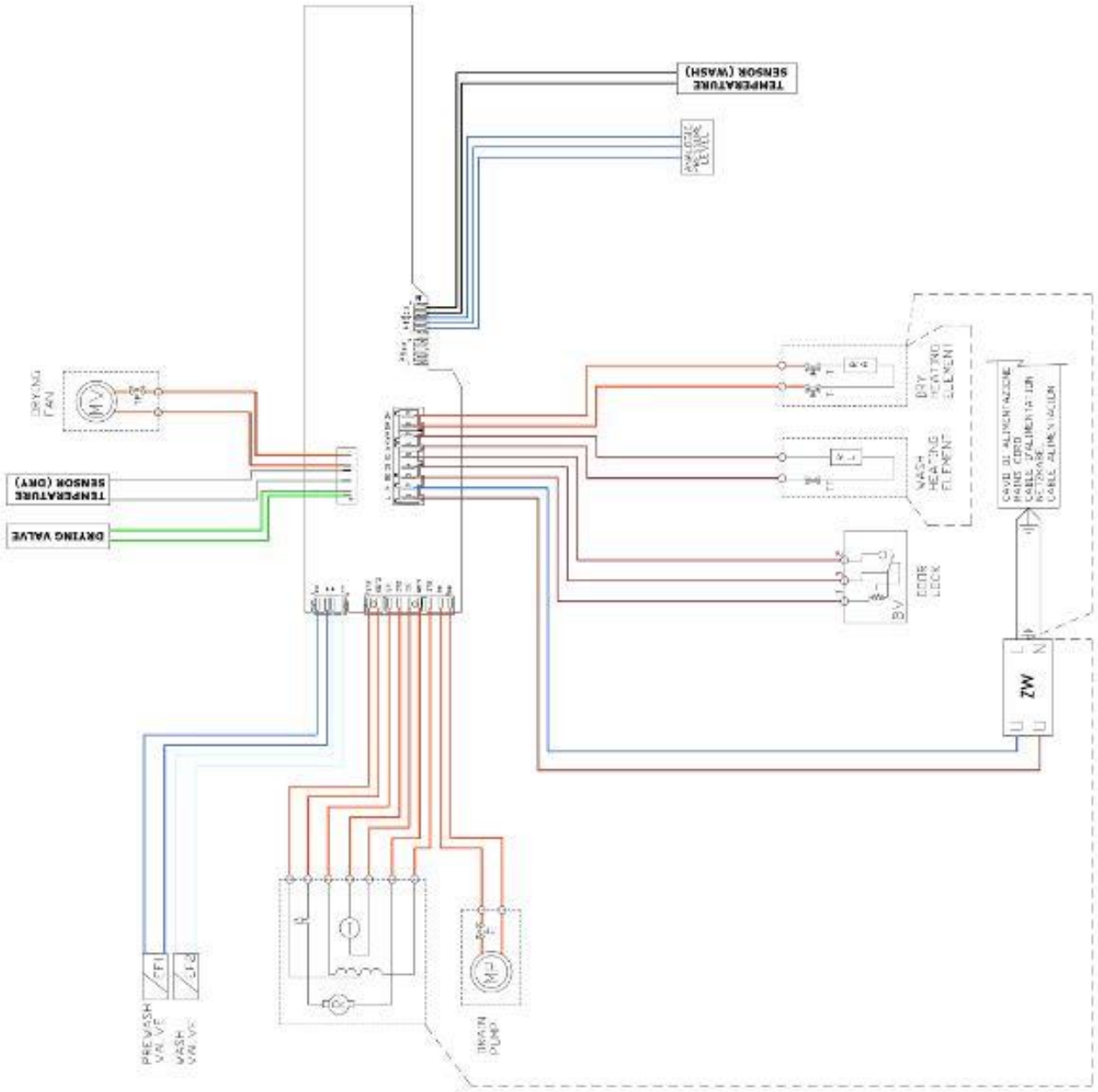
These Machines are equipped with software able to recognize the presence of serious troubles. In such cases, the Washing Cycle is aborted and the Digital Display shows the corresponding **error code**.

The following table shows the error codes the display shows and the possible cause:

ERROR CODE	MOST PROBABLE REASON FOR THE ERROR CODE:
E:00	Defective Power Card – Not Programmed Power Card.
E:01	Door Safety Lock Device/Drum's Braking device defective and/or Wiring.
E:02	The Water Fill Phase was not completed within the designed limit time. Closed tap`, Defective Solenoid Valve, Pressure sensor, Water Fill Hose, Low Water Pressure in the network and/or Wiring.
E:03	The Water Drain Phase was not completed within the designed limit time. Clogged Filter, Drain Pump, Drain Hose, Wall Discharge and/or Wiring.
E:04	Several (3) interventions by the Anti-flood Safety Contact of Pressure sensor. Solenoid Valve blocked opened, defective Pressure sensor and/or Wiring.
E:05	NTC Temperature Reading Probe opened or shorted and/or Wiring.
E:06	Eeprom – Defective Power Card and/or Wiring.
E:07	Defective Door Safety Lock Device (blocked closed) and/or Wiring.
E:08	Defective Tachometric Dynamo (opened or shorted) and/or Wiring. Ohmic value of Tachometric coil for the Motor by Ceset: 42 Ohm Ohmic value of Tachometric coil for the Motor by Selni: 90 Ohm Ohmic value of Tachometric coil for the Motor by Sole: 184 Ohm
E:09	Defective Power Card (damaged Motor's TRIAC) and/or Wiring.
E:11	Open Circuit on Drying Heater and/or NTC Probe for Drying and/or Electronic Module for Drying and/or Wiring.
E:12	Missing Air Heating during Drying: defective NTC Probe and/or defective Drying Heating Element and/or Wiring.
E:13	No dialogue between Power Card and Display board and/or Wiring.
E:14	Missing Water Heating: defective NTC Probe and/or defective Water Heating Element and/or Wiring.
E:15	Defective Power Card – Not Programmed Power Card.
E:16	Water Heating Element is short circuited or defective electrical insulation.
E:17	Wrong signal from Tachometric Dynamo.
E:18	Defective Power Card and/or Wiring – Wrong Network Frequency.
E:19	Missing communication with the NFC device: defective Power Card or Smartphone.
E:20	Difficult reading of water level: defective APS Pressure sensor generates a wrong frequency value or drain problems.
E:21	Missing reading of water level: Wiring or APS Pressure sensor or Power Card are defective.
E:22	Troubles with water heating: Wiring or Water Heater or Power Card are defective.

5. Wiring Diagram

LSI5 1480



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