

TECHNICAL NOTE No. 008 LB - Aug. 28, 2008

(Updating: September 12, 2008)

SUBJECT: Front Loading Washing Machines: New "Cuore" Control Module of the "Easy" version, with integrated Programs Selector.



A) GENERAL FEATURES:

The new range of "Cuore" Control Modules with integrated Programs Selector as described in subject, was recently embodied in the production line of the Front Loading Washing Machines made in our factory of Brugherio. The new "Cuore" Control Modules feature the potentiometer of the Programs Selector directly welded onto the printed circuit.

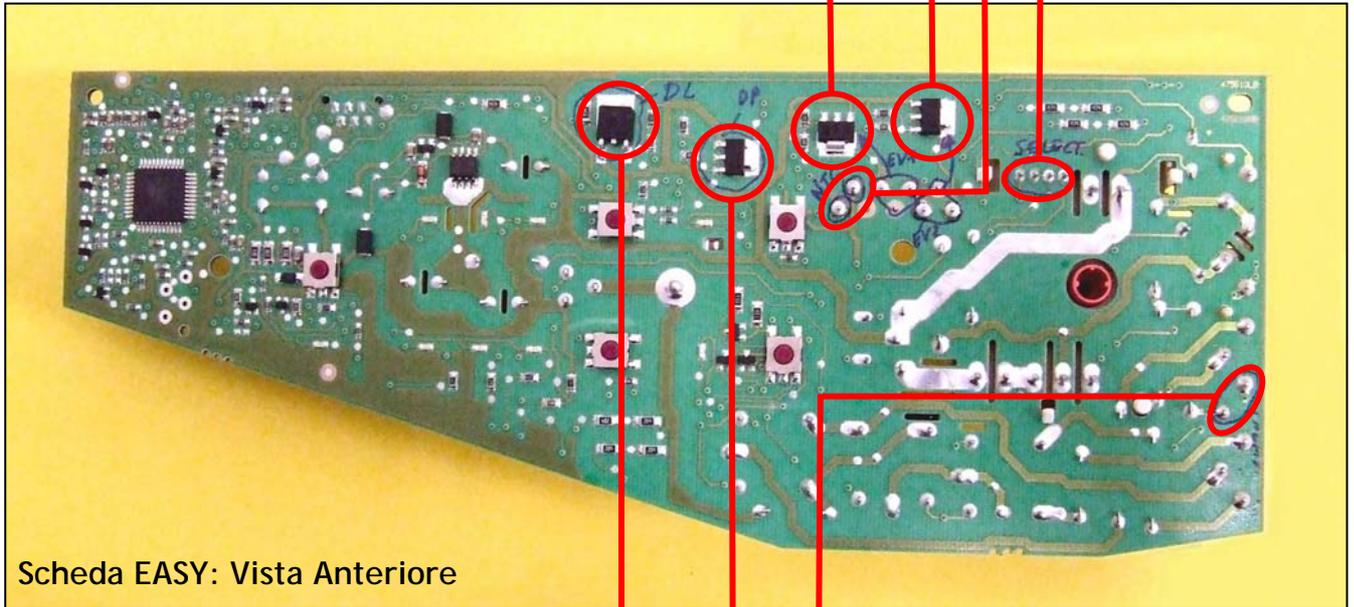
The new "Cuore" Control Modules (internally codenamed "Easy") were fitted on the following ranges of Washing Machines, starting from the production date 0829 (on the serial label):

- Brand: CANDY - Ranges: CO - COS - GOF (Fuzzy) - SMART (Fuzzy)
- Brand: HOOVER - Range: OPH
- Brand: ZEROWATT - Range: OZ

Similarly to what was previously said for all the previous versions of "Cuore" Control Modules, each time a whatever electromechanical component of the machine should be short circuited (both partially and totally), this most probably will damage the related control electronic component on the "Cuore" board. Therefore, each time an electronic component on the "Cuore" Board's printed circuit should be found damaged, **before replacing the "Cuore" Control Module, it's mandatory to check the conditions of the related electromechanical component in the most accurate way possible.** These new "Cuore" Boards can be programmed with the MEM Unit, if equipped with Firmware 1.11 and next.

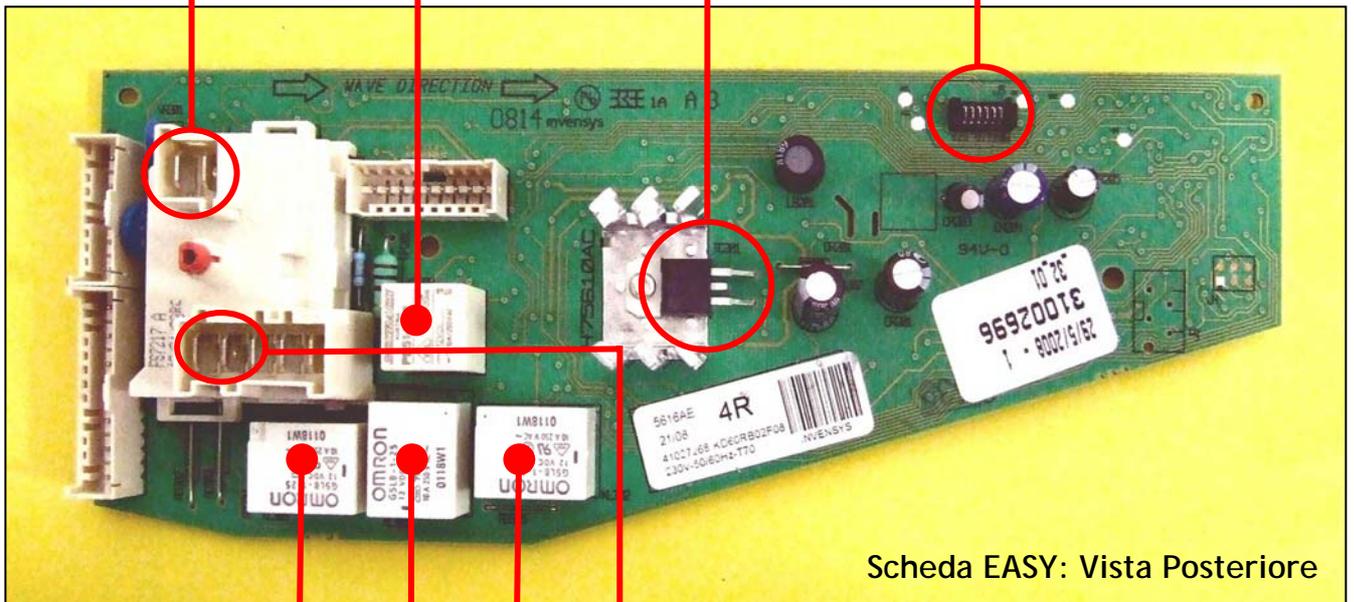
B) IDENTIFICATION AND PURPOSE OF THE COMPONENTS OF THE EASY CONTROL BOARD:

Solenoid Valve EV2
 Solenoid Valve EV1
 NTC Probe
 Programs Selector



Door Lock TRIAC TC2
 Water Drain Pump
 Tachometric Dynamo

230V~L-N
 Heater Relay
 Motor TRIAC
 MEM Connector



Motor Relay
 Pressostat: Anti-Flood - Common - Full Load

E) LIST OF ALL PRESENTLY AVAILABLE ERROR CODES:

Errors are signaled through the FLASHING of the FIRST LED TOP RIGHT.			
ERROR CODE	Times the LED FLASHES	Seconds the LED stays OFF	MOST PROBABLE REASON FOR THE ISSUING OF ERROR CODE:
ERROR 1	1	5	Door Safety Device/Drum's Braking device defective and/or Wiring.
ERROR 2	2	5	The Water Fill Phase was not completed within the designed limit time. Defective Solenoid Valve, Pressostat, Water Fill Hose, Low Water Pressure in the network and/or Wiring.
ERROR 3	3	5	The Water Drain Phase was not completed within the designed limit time. Clogged Filter, Drain Pump, Drain Hose, Wall Discharge and/or Wiring.
ERROR 4	4	5	Several (3) interventions by the Anti-flood Safety Contact of Pressostat. Solenoid Valve blocked opened, defective Pressostat and/or Wiring.
ERROR 5	5	5	NTC Temperature Reading Probe opened or shorted and/or Wiring.
ERROR 6	6	5	Eeprom - Defective "Cuore" Control Module and/or Wiring.
ERROR 7	7	5	Jammed Motor's Rotor and/or Wiring.
ERROR 8	8	5	Defective Tachometric Dynamo (opened or shorted) and/or Wiring.
ERROR 9	9	5	Defective "Cuore" Control Module (damaged Motor's TRIAC) and/or Wiring.
ERROR 12	12	5	Missing dialogue between "Cuore" Control Module and Display board and/or Wiring.
ERROR 13	13	5	Missing dialogue between "Cuore" Control Module and Display board and/or Wiring.
ERROR 14	14	5	Missing Water Heating: defective NTC Probe and/or defective Water Heating Element and/or Wiring.
ERROR 15	15	5	Defective "Cuore" Control Module - Not Programmed "Cuore" Control Module.
ERROR 16	16	5	Water Heating Element is short circuited or defective electrical insulation.
ERROR 17	17	5	Wrong signal from Tachometric Dynamo.
ERROR 18	18	5	Defective "Cuore" Control Module and/or Wiring - Wrong Network Frequency.

Best regards.

GIAS Corporate