

SAFETY INSTRUCTIONS



The safety warnings on the Installation manual must be followed.
Read them before servicing the washer.

**WARNING!!****INSPECTION ROUTINES, FILTER CLEANING, MAINTENANCE, REPAIR OR REPLACEMENT.**

Before attempting any service or inspection of the washing machine:

- Avoid carrying out any course of action on the machine without having first carefully read the washer's installation and operating manuals, paying special attention to the safety instructions.
- The technical area of the machine is only to be touched by authorised technicians.
- Accessing the technical area of the machine without the correct safety measures and technical knowledge can be the cause of an **ELECTRICAL DISCHARGE OR A SERIOUS ACCIDENT**.
- The manufacturer will not accept responsibility for any physical and/or material damage derived from any intervention by unauthorised persons in the machine's technical area.
- **COMPLETELY** disconnect the machine from the original power source and check for accidental reconnection.
- Disconnect the electrical connection from the external dosing to the washer. These circuits are independent of the supply to the washer.
- Moving the **ON** switch to the OFF position is not sufficient
- Wait a minimum of (5) five minutes after disconnection to ensure the elimination of residual voltage within the machine.
- Close and mechanically interlock the water supply valves and check that machine has **COMPLETELY** drained, parts have cooled down and that no pieces are in movement through inertia.

1. Presentation**1.1 Introduction**

The external dosing system is very useful in laundries to save time, but it needs a little infrastructure of tanks and a pumping system for the products.

The GIRBAU kit of external dosing allows you to easily replace the dosing system from the dispenser in the washing machine, through a product dosing system from external tanks.

This kit provides the necessary elements to the machine for a fast coupling of the external dosing system.

2. External dosing king**2.1 Tools needed**

- Torx 20 screwdriver.
- Flat head screwdriver.

2.2 Elements of the external dosing kit

QUANTITY	MATERIAL
1	External dosing circuit
4	Circuit support LCBS-4-4-01.

HS-6008 / EH020
MS-610 / EM025

2.3 Installation of the dosing kit

1. Disconnect and mechanically lock the external automatic switch.
2. Open the rear protection cover to the machine's supply.
3. Locate the four drilled holes and insert the plastic supports for the dosing relay board.
4. Mount the external dosing relay board on the supports (**figure 1 / A**).
5. Connect the white plug from the relay control wiring to the external dosing relay board (**figure 1/A**). If the system supply is to be connected immediately go straight to step 3.1.
6. Secure the rear protection cover for the machine's supply with the respective screws.

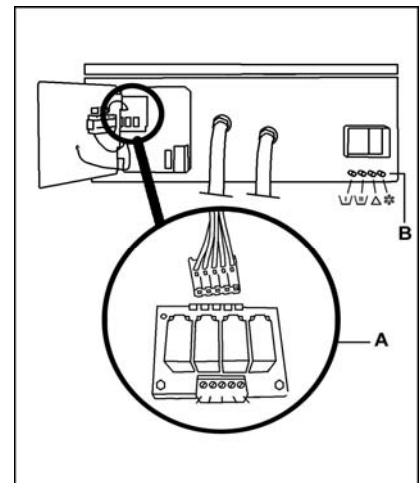


fig. 1

3. Installation of the external dosing system

If you have assembled the external dosing kit, the washing machine already has the required elements to incorporate the external dosing system. The machine supplies the electrical signals associated to the entry of dosing product and the physical entries of the product.

The relay outputs are free of power. Each output short-circuits with the common (**COM**) at the moment of dosing. The duration of the dosing relays connection is 20 seconds each. The maximum current that each relay can support is 1 Amp. / at 240 V.

Only applicable to **COIN CONTROL** units: Access the **Mod** menu (see **COIN CONTROL** Advanced Instruction Manual) and program the **Ed** parameter with **1**.

3.1. Electrical connection of the external dosing

1. Disconnect and mechanically lock the external automatic switch.
2. Open the rear protection cover to the machine's supply.
3. Drill the entry hole for the electrical signal wiring, using the right tool.
4. Mount a suitable fixing for each casing in the drilled hole.
5. Insert the wires from the rear and suitably fix in place.
6. Connect the wires to the relay board. Associate each one of the four electric external dosing signals relating to the machine to a different product inlet. To make sure each product is correctly associated with its function, refer to the indicator attached to the connection board. (**figure 2/C**).
7. Secure the rear protection cover for the machine's supply with the respective screws.

3.2 Connection of the external dosing hoses

8. Locate the entries of the dosing product at the rear of the machine and remove the tube caps (see the technical specifications section). (**figure 2/B**).
9. Connect the product hoses to the nipples on the manifold and secure them with the right clamps. (**figure 2/B**).

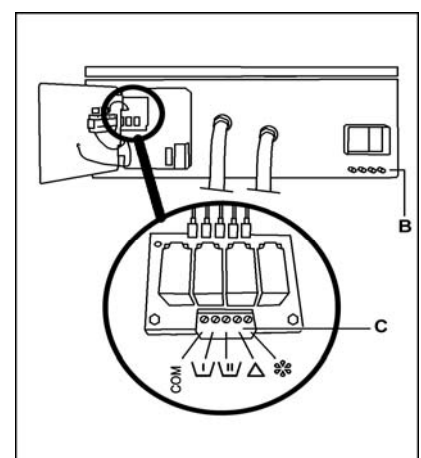


fig. 2