Instructions for changing the suspended system of the HS-5008 and H5020 washers

SAFETY INSTRUCTIONS

IMPORTANT
The operations described in these instructions are restricted to the Authorised Service

Emptying the residual bath

Before acting upon the washing machine.

- Situate the outer, horizontal drainpipe tube onto the floor (machines with pump drain) and place a recipient under it for collecting the water that can come out.
- Lightly tilt the machine forwards and backwards in order to help empty the residual water that remains at the bottom of the outer drum and in the drains.

WARNING!!
Before attempting any service or inspection of the washing machine:

- **COMPLETELY** disconnect the machine from the power source and check for accidental reconnection. In LOGI CONTROL units, moving the **ON** switch to the OFF position is not sufficient.
- Wait at least five minutes after disconnecting the machine before beginning this operation. Within the electrical circuit of the washer exists high powered charges which can produce important electrical shocks even after the machine has been disconnected.
- 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.

Failure to comply with this warning may result in serious injury.

Necessary tools

DISASSEMBLY ASSEMBLY	TOOLS AND EQUIPMENT
Lower front and rear covers (according to manufacturing series)	TORX 20 screwdriver TORX 25 screwdriver 5mm. flat screwdriver
Front panel of the washing machine	Key for opening the control panel 10mm. wrench TORX 20 screwdriver
Front and rear covers	TORX 25 screwdriver 7mm. wrench
Fan cables	3mm. flat screwdriver
Fastening clamps	TORX 20 screwdriver 7mm. wrench
Inverter Bearings' box	13mm wrench (two wrench)
Shock absorber springs	13mm wrench UM 504 Tool
Counterweight	17mm wrench (two wrench)

DISASSEMBLY OF THE SUSPENDED SYSTEM

Figure 1.
Open the washer control panel **(A)** using the security key which has been supplied with the machine.
Remove the two M6 screws **(B)** which fasten the top cover. Separate the cover.
Remove the three screws **(C)** that hold the lower front cover to the base and remove it from the machine.
Open the washing machine door.
With the help of a screwdriver, pull back the spring bracket which holds the door seal in place. Remove the seal **(D)** from the front part of the washing machine
Remove the screws **(E)** holding the closing mechanism and the door interlock. Remove it from the front piece.
Remove the four screws **(F)** fastening the front piece of the washing machine and take it off the machine. Close the control panel.
Loosen the wire clamp which holds the door seal and disassemble it from the front of the outer drum.

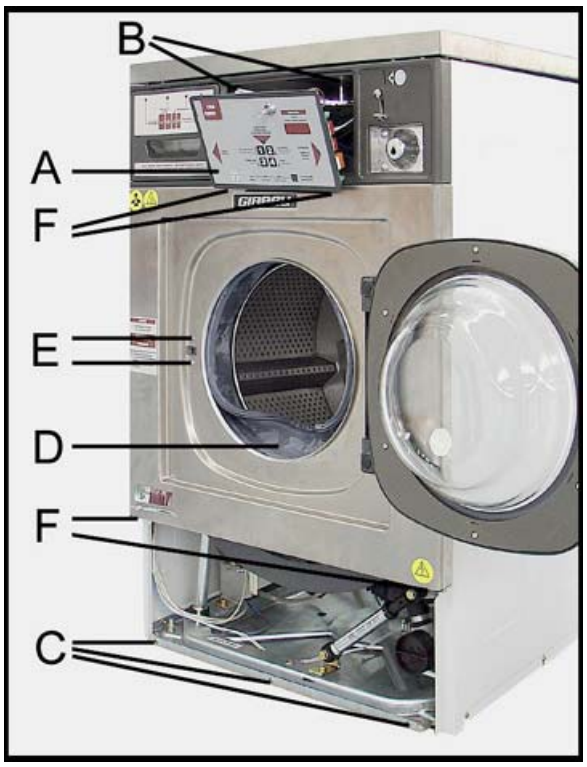

fig. 1

Figure 2
Remove the clamp **(A)** which holds the electrical installation of the inverter fan. Disconnect the lead connection cables **(B)**.
Press on the lid which holds the inverter cover to the rear support wall. Remove the protective cover **(C)** of the inverter by pulling on the lower end.

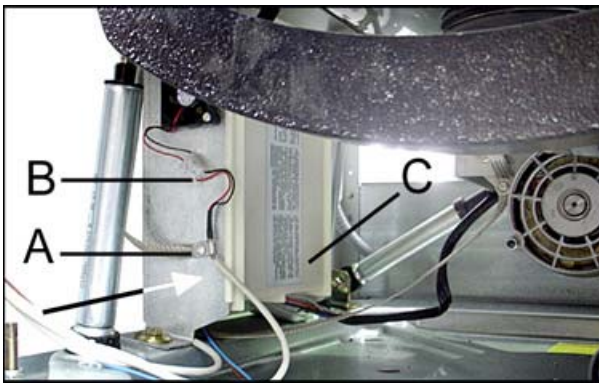

fig. 2

Figure 3
Loosen the bolts **(A)** holding the inverter box and turn it as to have a front view of the inverter.
Remove the housing **(B)** of the inverter electrical supply. Remove the clamp **(C)** holding the connection cable of the inverter. Disconnect the connection cable **(D)**, and the motor connection cable **(E)**.

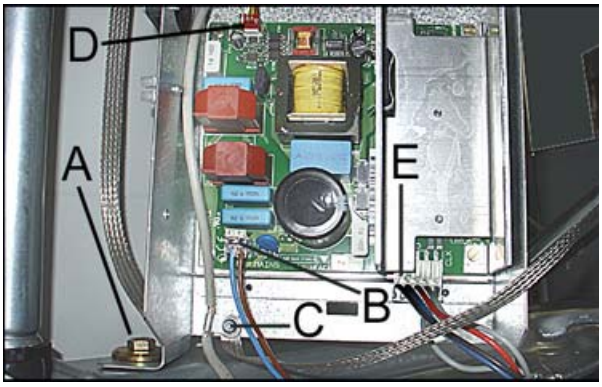

fig. 3

Figure 4
Disconnect the electrical supply cable **(A)** for the pump or drain valve and the temperature probe **(B)** (in machines with temperature probes in positions shown in the figure). Remove the temperature probe.
Loosen the clamp **(C)** holding the outlet tube of the outer drum going towards the drain. Remove the tube from the outer drum.

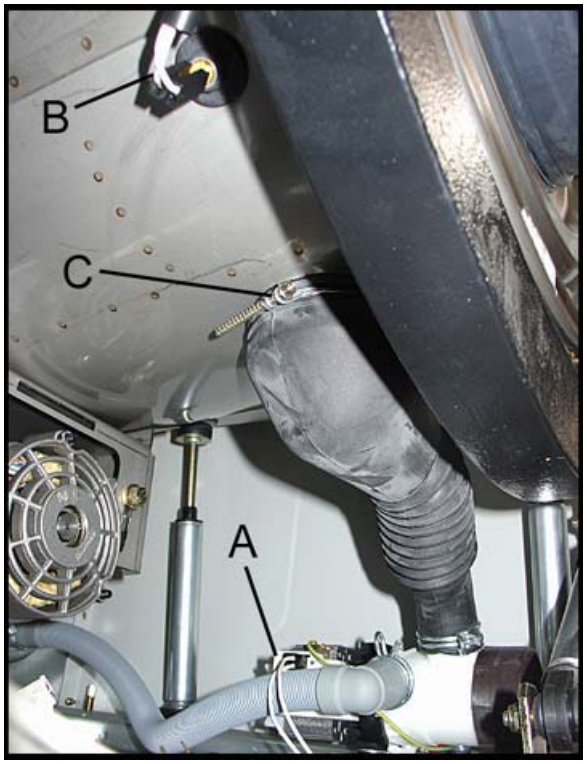

fig. 4

Remove the screws holding the rear cover, shifting it upward and taking it off the machine.
Remove the belt.

Figure 5
Cut the slide fastener **(A)** that holds the heating cables (in machines with electric heating)
Disconnect the cables for the unbalance micro-switch **(C),** the heater **(B)**, and the temperature probe (in machines with a probe on the bottom of the outer drum).
Remove the clamps **(D)** and separate the electrical installations of the suspended system.
Disconnect the grounding tape **(E)**.
Disconnect the connection tube **(F)** of the pressure transmitter.
Disassemble the motor protector **(H).**

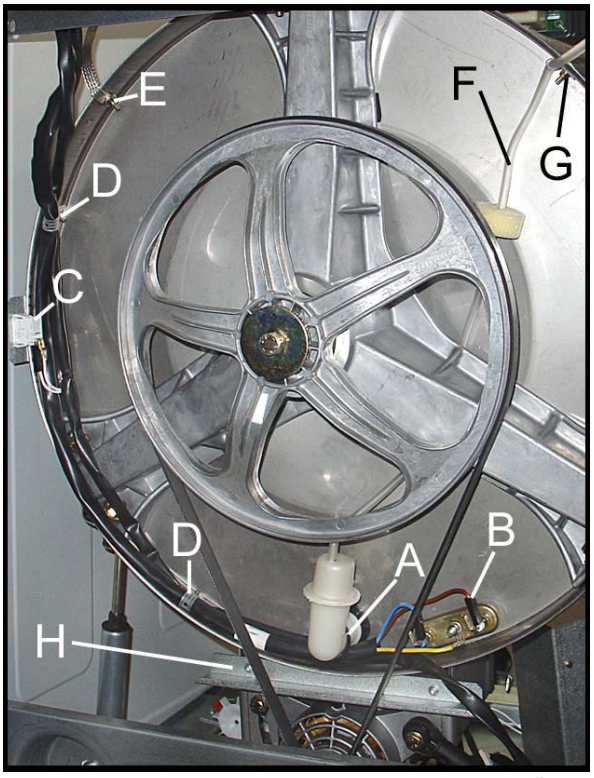

fig. 5

Loosen the clamp holding the dispenser outlet tube to the outer drum. Separate the tube from the outer drum.

Figure 6.
Remove the clamp **(A)** and separate the outlet of the drain tube from its union piece **(B)**.
Machines with a drain tube: remove the clamp **(C)** from the end of the drain tube and pull back the tube from the lower rear cover.
Remove the screws **(D)** which hold the lower rear cover to the base.
Loosen the screws **(E)** which hold the side covers to the base.
With two people, lift the set of washing machine covers above the level of the outer drum and remove them from the base.
Remove the upper fastener **(F)** of the rear transversal shock absorber.

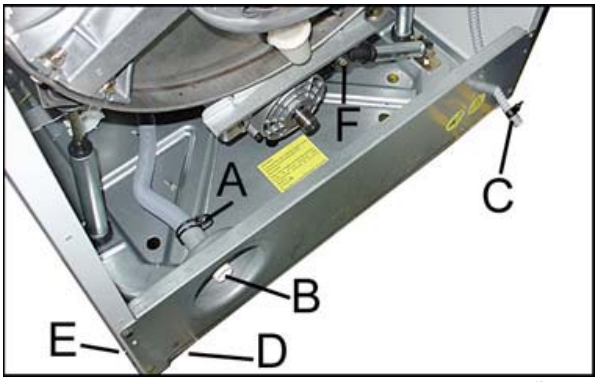

fig. 6

Figure 7
Remove the screw **(A)** which holds the upper fastener of the previously mentioned transversal shock absorber
Remove the front counter weight **(B)** along with the piece **(C)** holding the shock absorber.

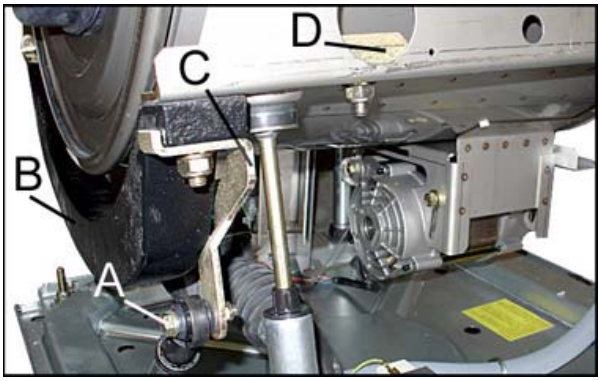

fig. 7

Figure 8.
Remove the four springs/shock absorbers. Hold fast the upper end of the shock absorber rod with the UM-504 tool **(B)** (if this tool is not available, use some pliers, although the rod should be protected to avoid any scarring). Unbolt the nuts **(A)** which are fastened to the upper stud.
Remove the reinforcements **(fig. 7/D)** which are fastened to the counterweight.
Lift the outer drum assembly and separate it from the springs.

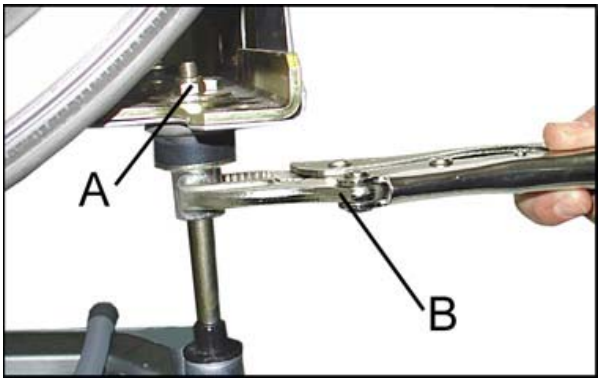

fig. 8.

Remove the grounding tape from the side of the outer drum.
Remove the clamp holding the pressure transmitter tube at the bottom of the outer drum **(fig. 5/G)**. Remove the inlet of the pressure transmitter.
Remove the housing of the unbalance micro-switch. Remove the heating plug or heater.
Remove the motor protector.
Remove the grounding tape from the motor support. Remove the motor.

MOUNTING THE SUSPENDED SYSTEM

Mount the motor. The position of the motor should account for the subsequent mounting of the belt.
Mount the ground connection tape of the motor support to the side of the outer drum.
Mount the motor protector (consult fig. **5/H**)
Mount the heating plug or heater. (consult fig. **5/B**)
Mount the grounding tape from the side of the outer drum (consult fig. **5/E**)
Mount the body of the pressure transmitter inlet and fix the tube to the outer drum using the clamp.
Mount the support for the unbalance micro switch
Mount the outer drum assembly over the four spring /shock absorbers. Fit in the lower silent blocks into their stays on the outer drum. Mount the upper silent blocks and fasten the set with the nuts and washers.
Hold fast the rod of the shock absorbers at their upper end and tighten the nut until the last thread (consult fig. **8**)
Fasten the reinforcement of the counterweight support with the rear bolts (consult fig. **7/D**).
Mount the counterweight and the upper support of the transversal shock absorber (consult fig. **7/B** and **C).**
Tighten the bolts of the set.
Fasten the upper end of the shock absorber to the support (consult fig. **7/A**)

Figure 9.
Remove the bolt **(A)** fastening the bearing box and mount the support angle **(B)**; Refasten the bearing box using the bolt **(A)**. Mount the STL bracket **(C)** on the support and fasten the drain tube with slide fastener **(C)** as shown in the figure.

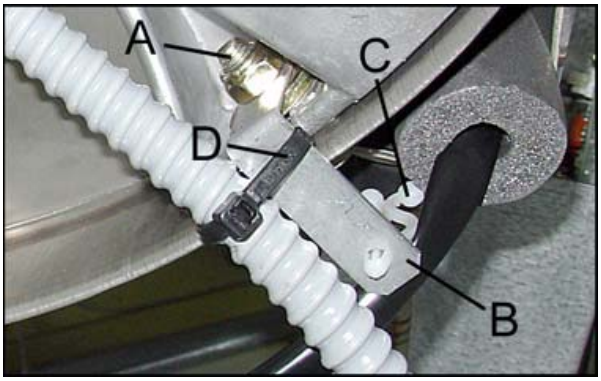

fig. 9

Mount the set of covers of the machine on the base. Fasten them with the corresponding screws.

Figure 10
Connect the electrical wiring:
Unbalance micro-switch: cable **A** in COM terminal
heater: terminal **B**: blue cable;
terminal **C**: brown cable;
terminal **D**: ground cable.
Fasten the set of electrical installations to the body of the pressure transmitter inlet using a slide fastener **(E)**

Attention!
Fasten the cable in such a way that avoids contact with the belt.

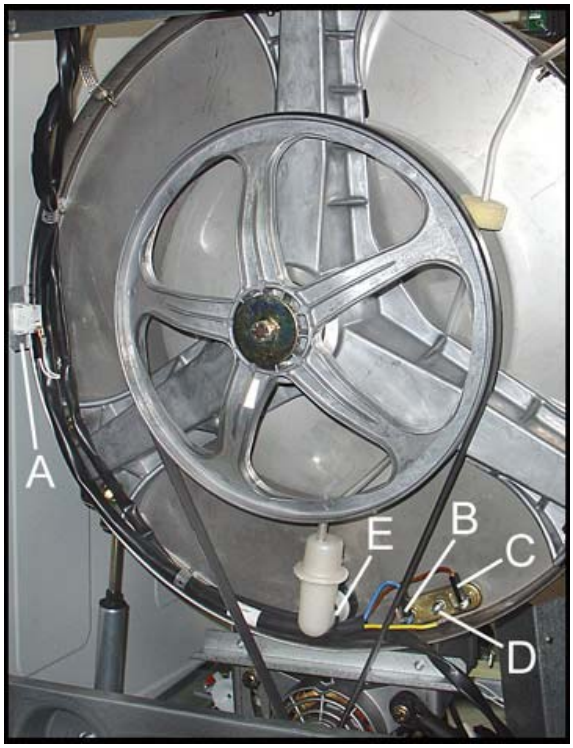

fig. 10

Figure 11
Insert the mechanism **(A)** of the out-of-balance sensor on the springs support and fasten it with a STL clamp **(B)**. The foam protection piece should be placed inside the support **(C)** of the shock absorbers.

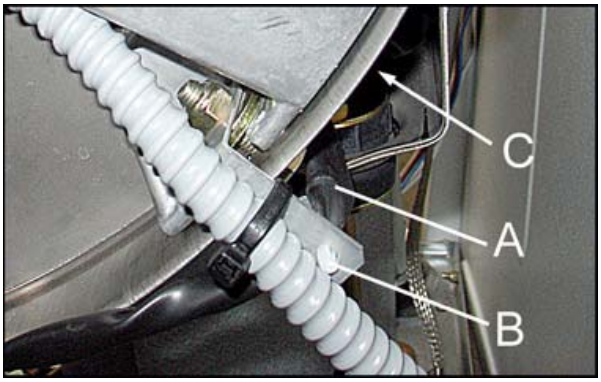

fig. 11

Figure 12
Changing the position of the temperature sensor.
In the first series of machines, the temperature sensor is located on the bottom of the outer drum. To adapt the electrical installation to the new sensor position (see fig. 4):
- protect the Fast-on terminals **(A)** of the installation cable with the coverings contained in the kit
- connect the two cables **(B)** of the installation supplement
- mount the protective foam **(C)** on the installation supplement
- insert the set inside the shock absorber support. The protective foam piece should be placed inside the shock absorber support.
- fasten the installation with the STL bracket **(D)**.

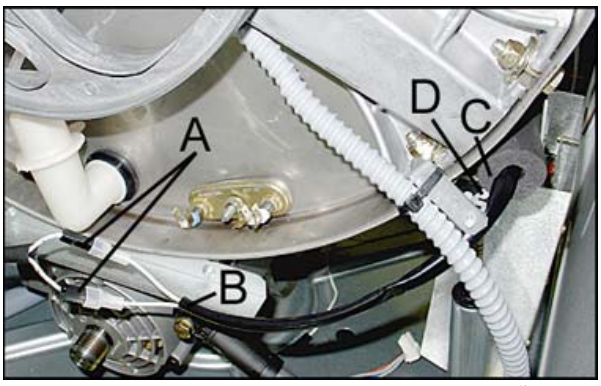

fig. 12

Mount the outlet tube of the drain to the union piece on the lower rear cover. Fasten it with the clamp.
Rear cover with drainage tube outlet: pass the drainage tube through the hole and fasten it with the clamp.
(consult fig. **6**)

Rear cover without drainage tube outlet: make a hole **(fig. 13/A)** 15 mm. in diameter in the position marked in the figure.

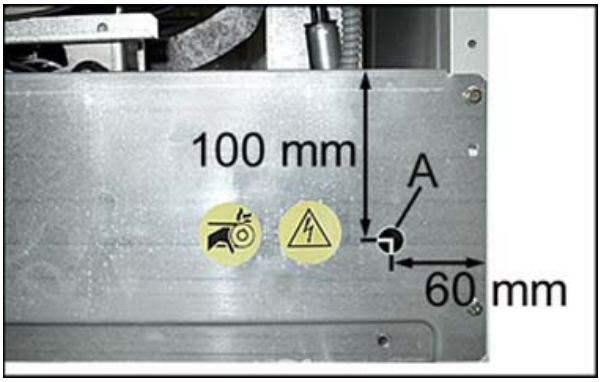

fig. 13

Mount the belt and tighten it according to the values of the table on the rear cover.
Mount the outlet pipe of the dispenser and fasten it with the clamp.
Mount the temperature sensor (consult figure 4).
Connect the electrical supply cable (consult fig. **4/A)** of the pump or drain valve and the temperature sensor cable (consult fig. **4/B)**.
Mount the outlet tube of the outer drum to the drain and fasten it with the clamp (consult fig. **4/C)**
Connect the inverter wires (consult figures 2 and 3), mount the cover and fasten it with the bolts.
Mount the rear cover and fasten it with the screws.
Mount the set of front covers. Consult figure 1 to identify pieces and fastening screws.