

Instructions for changing the draining type on HS-5008 / H5020 washers

SAFETY INSTRUCTIONS



The safety warnings listed in the Installation manual must be followed.

BEFORE PROCEEDING TO CHANGE DRAIN SYSTEM, CONSIDER ALL CHARACTERISTICS OF THE INSTALLATION. Pay special attention to the following sections:

1.4. Technical Specifications

2.6. Drain Connection



THE OPERATIONS DESCRIBED IN THESE INSTRUCTIONS ARE RESTRICTED TO THE AUTHORISED SERVICE TECHNICIANS.



WARNING!

Before attempting any service or inspection of the washing machine:

- **COMPLETELY** disconnect the machine from the original 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.

1. Emptying out the residual water bath

Before attempting any service or inspection of the washing machine:

- Situate the exterior drainpipe horizontally over the floor (machine with pump drain) and prepare a container below to catch the water coming out of the drainpipe.
- Slightly incline the machine forwards and backward to help empty the residual water remaining in the bottom of the outer drum and in the drain pipes.

2. Necessary tools

OPERATION	TOOL
Fastening the front and rear covers (according to manufacturing series)	TORX 20 screwdriver TORX 25 screwdriver 5mm flat screwdriver.
Fastening the drain pump to the support	10mm wrench
Fastening the drain valve to the support	8mm wrench
Fastening the pump support or valve to the base of the washer	TORX 20 screwdriver
Manipulation of the clamps	Pliers or clamps
Manipulation of the clamps	7mm wrench
Fastening clip on rear cover (pump drain)	5mm flat screwdriver.

3. Contents of the kits

(Consult parts list on the following page)

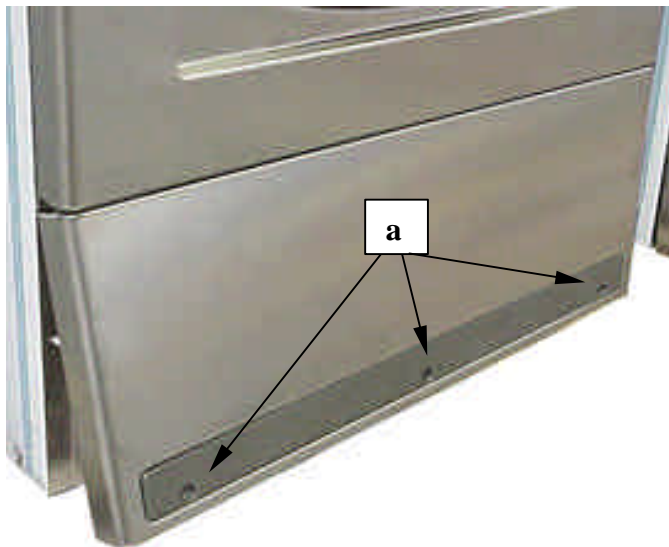
A.- Conversion of gravity drain to pump drain:

PART	DESCRIPTION	QTY
1	Drain pump	1
2	Washer Ø 6	4
3	Screw M6x15	2
4	Pump support	1
5	Drain hose	1
6	Pump plug	1
7	Outer drum drain bellows	1
8	TORX M5x12 screw	8
9	Wire-stop	2
10	Drain pipe 0,45m length	1
11	Exterior drain hose 1,5m length	1
12	Clamp Ø 12mm	1
13	Clamp Ø 30mm	3
14	Clamp Ø 38mm	1
15	Clamp Ø 101mm	1
- - -	Fastening clip of the drain hose	1
- - -	Plate screw to fasten clip	1
- - -	Clamp UNEX 2273-0	1
- - -	Supplement drain outlet cover	1

B.- Conversion of pump drain to gravity drain:

PART	DESCRIPTION	QTY
16	Drain valve	1
17	Clamp Ø 50-70	1
18	Conical stop Ø 30	1
19	Clamp Ø 25-40	1
20	Drain protection	1
21	Drain hose	1
22	Drain support	1
23	Drain sleeve	1
24	Outer drum drain bellows	1
25	Screw TORX M5x12	8
26	Screw exag. M5x15	2
27	Washer Ø 6	4
28	Clamp Ø 54	3
29	Drain outlet elbow	1
30	Clamp Ø 100mm	1

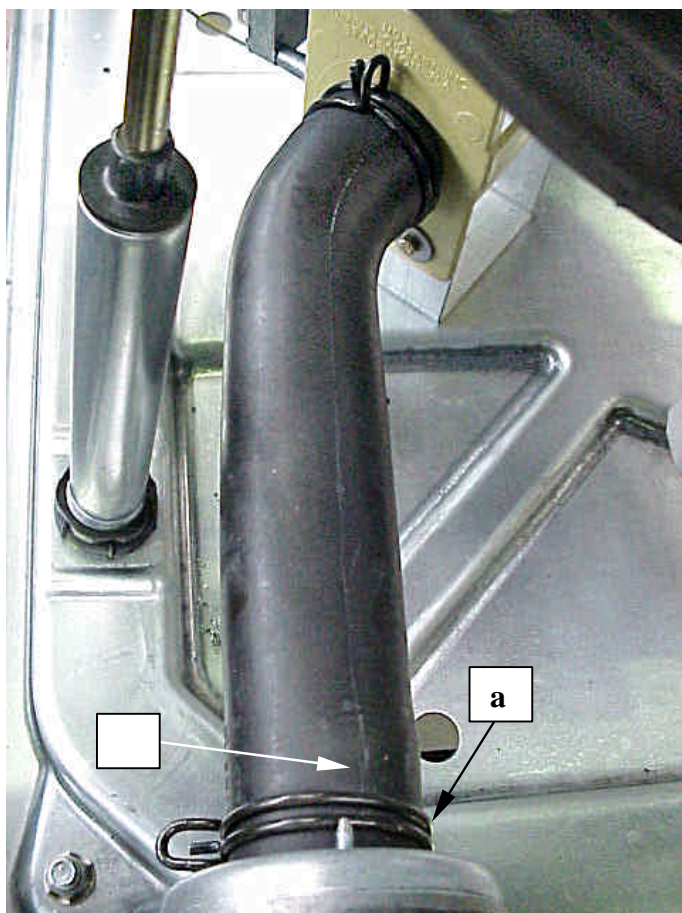
5. Changing from valve drain to pump drain



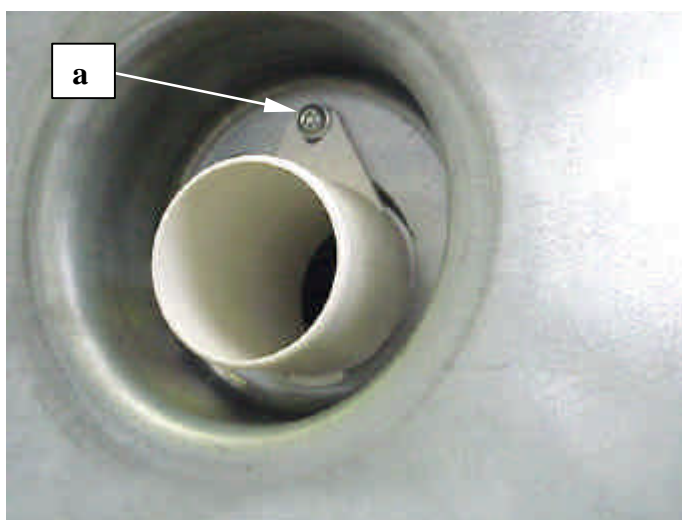
Open the lower front cover, removing the three screws (**a**) fastening the base and separating it from the machine.



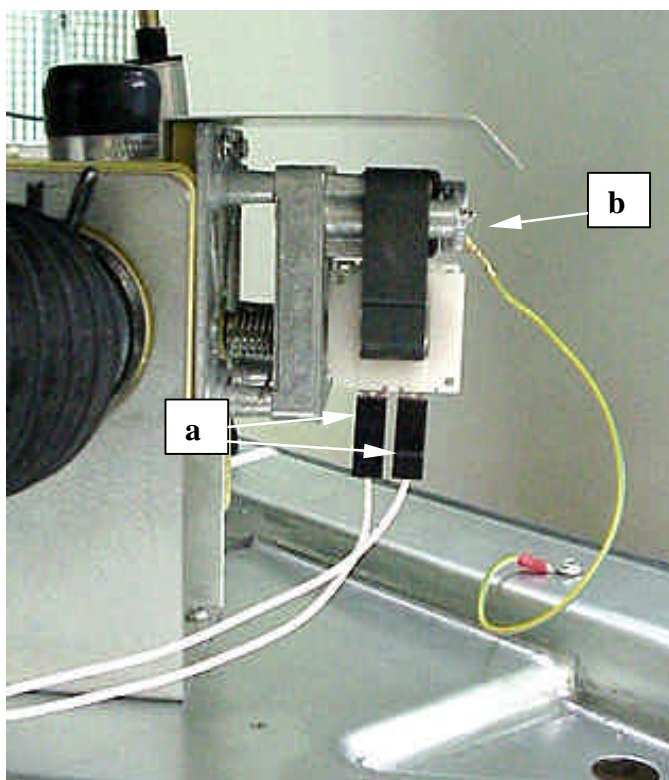
Open the central rear cover. Disassemble the fastening screws, moving the cover towards the top and separating it from the machine.



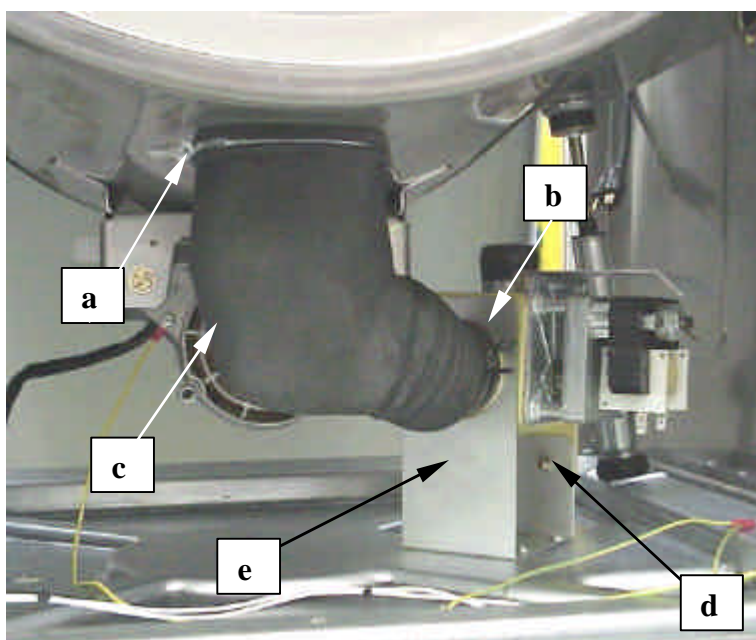
Remove the clamp (a) from the drain outlet pipe and separate the rear end of the pipe (b) from the drain sleeve.



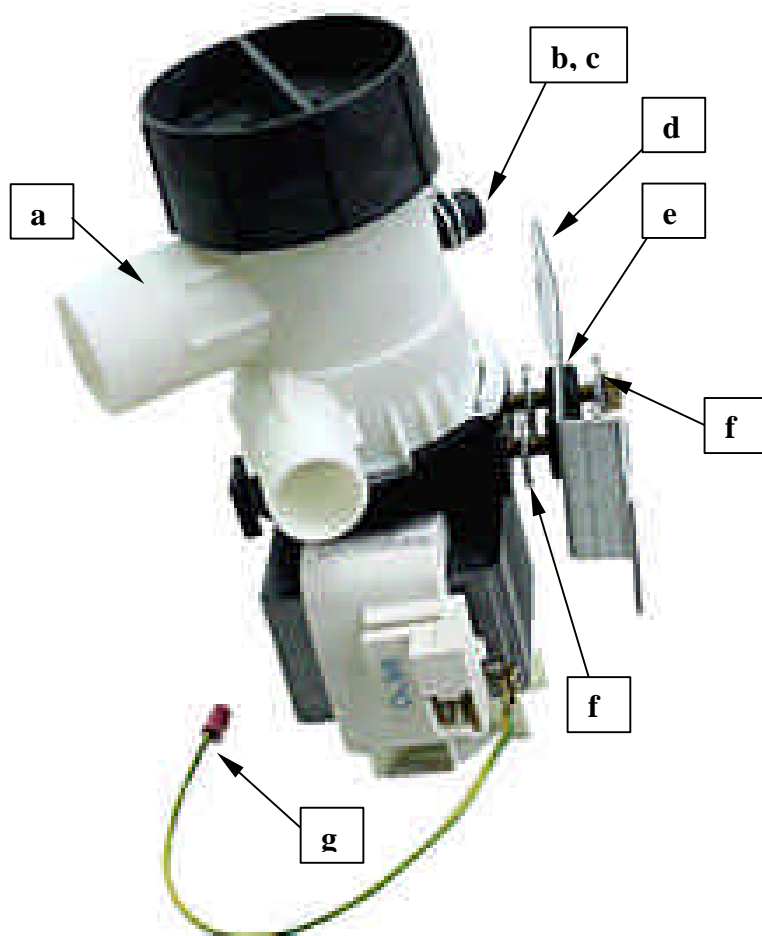
Remove screw **a**.
Remove the sleeve from lower cover.



Disconnect electrical supply wiring (a) and ground wire (b).

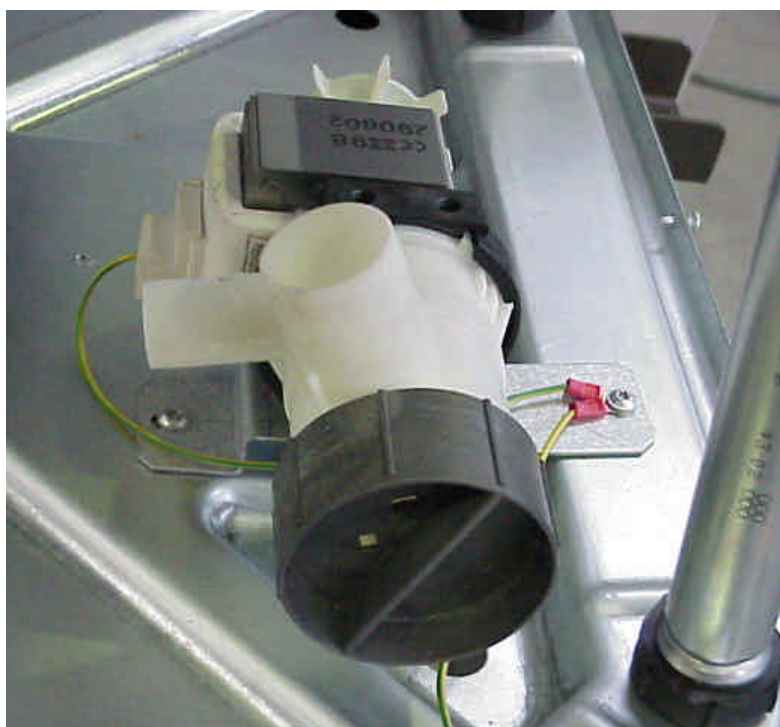


Loosen clamps (a, b) and remove the outer drum bellows outlet (c).
Disassemble the screws from the support valve (d) and remove it.
Remove the support (e) from the valve of the base of the machine.

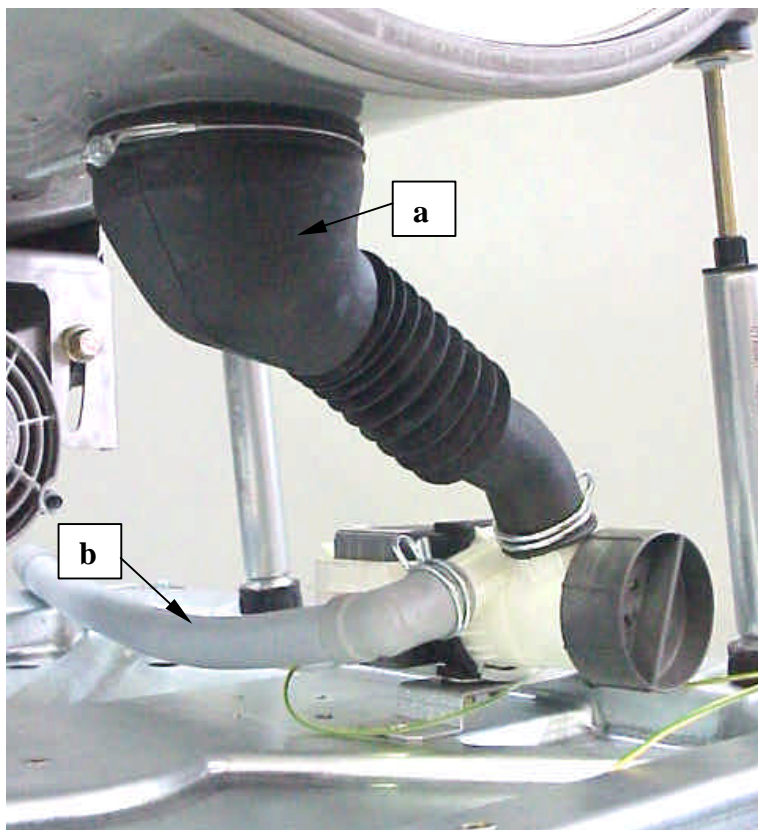


Mount the following set:

- a) Drain pump
- b) Drain plug
- c) Clamp
- d) Pump support
- e) Wire stop; 2 units.
- f) Washer; 4 units.
- g) Cable connection to ground

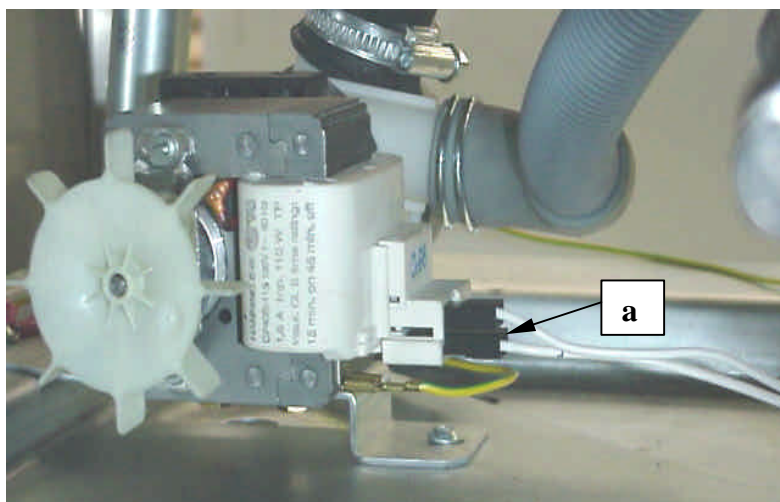


Fasten the pump assembly to the base of the machine.
Fasten the grounding conductors (a) with the screw.
(In some machines, there is only one ground wire)

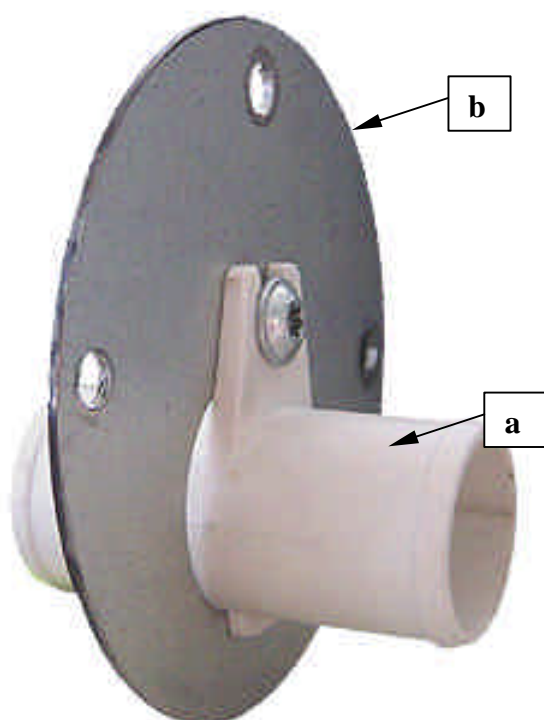


Using the corresponding clamps assemble and fasten the following components:

- a) Drain bellows
- b) Drain outlet pipe



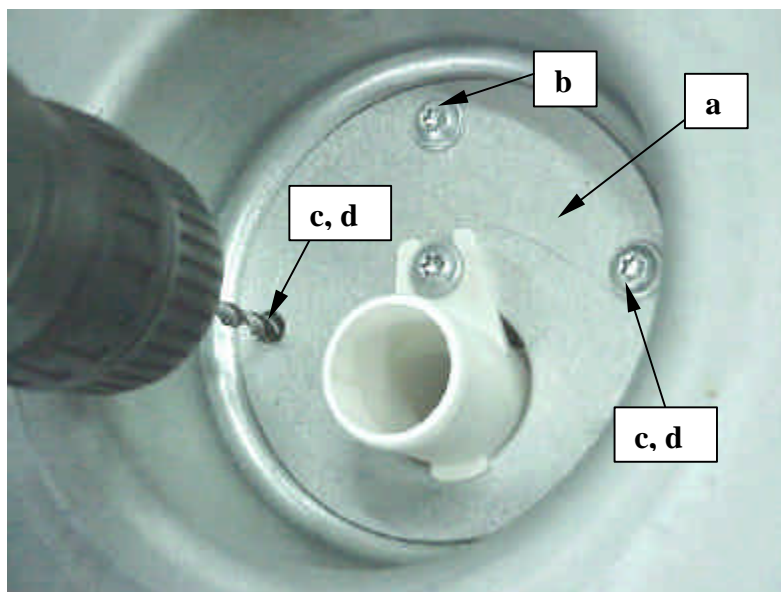
Connect the cables (a) of the electrical supply to the pump (there is no defined position for the connection of the cables)



Assemble the drain sleeve (a) to the fastening supplement (b) to the rear cover.

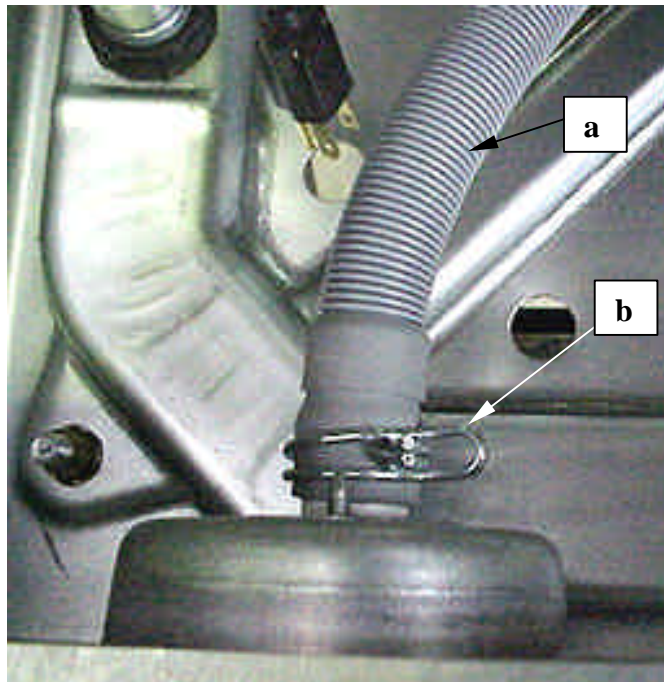


Detail of the fastening of the drain hose over the supplement.

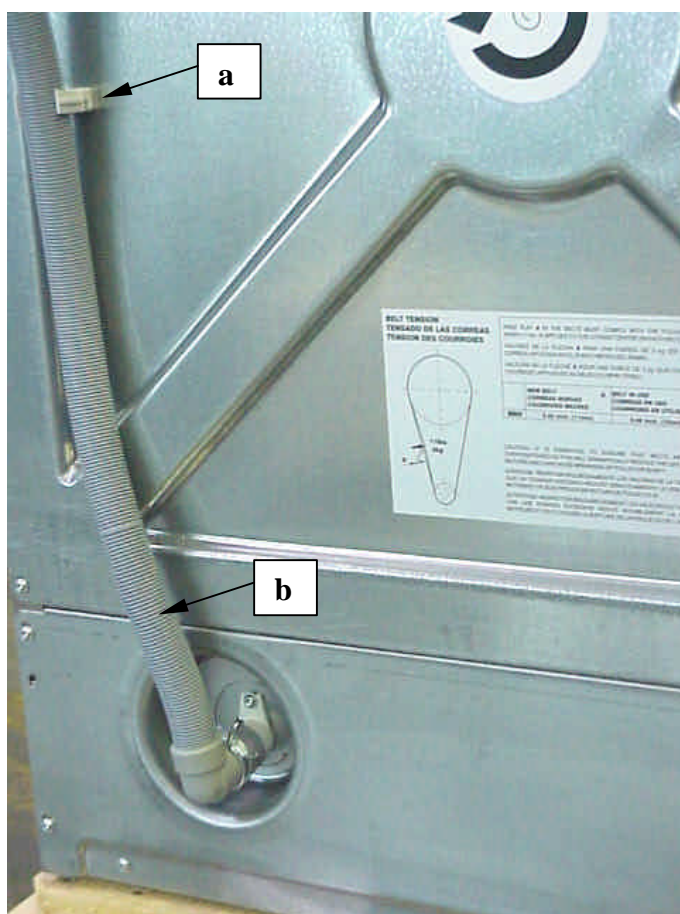


Position the supplement set + sleeve (a) over the lower rear cover and fasten it using screw **b**.

Drill two 4mm. diameter holes (**c**) using the supplement plate as a pattern. Fasten the supplement plate to the lower rear cover using two TORX screws (**d**).

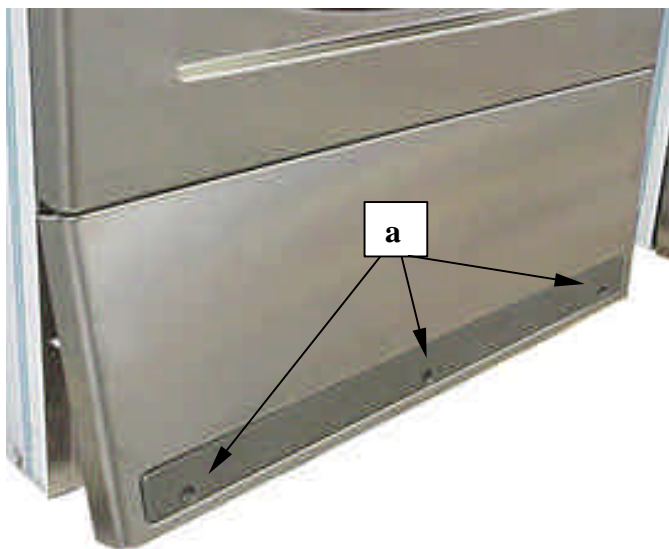


Insert the pipe (a) coming from the drain pump into the end of the hose and fasten it with the bracket (b)



Mount the rear cover.
Mount the fastening clip (a) of the drain pipe.
Mount the exterior drain pipe (b) and fasten it with the clip of the rear cover.
Fasten the pipe to the drain receptor. (Consult installation instructions)

6. Changing from pump drain to valve drain



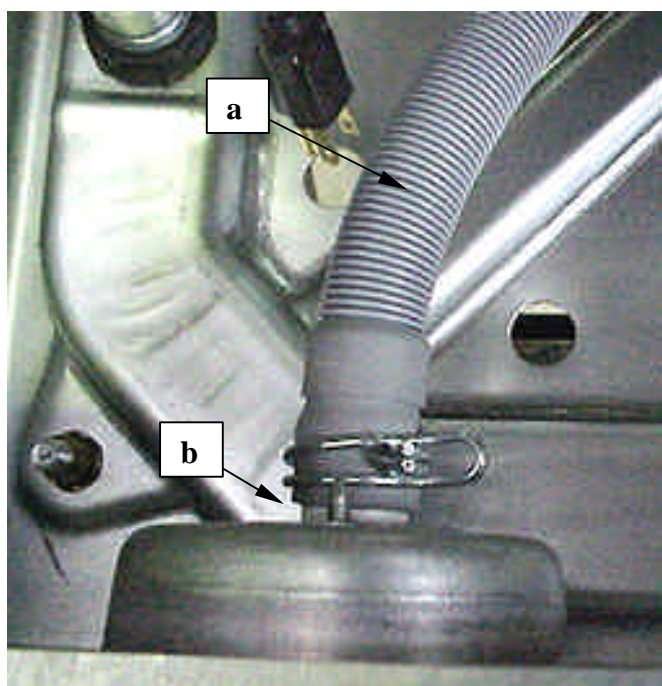
Open the lower front cover, removing the three screws (**a**) fastening the base and separating it from the machine.



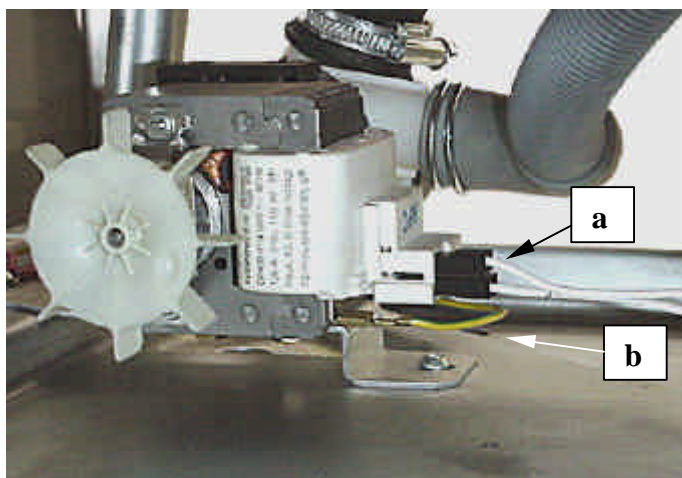
Open the central rear cover. Disassemble the fastening screws, moving the cover towards the top and separating it from the machine.



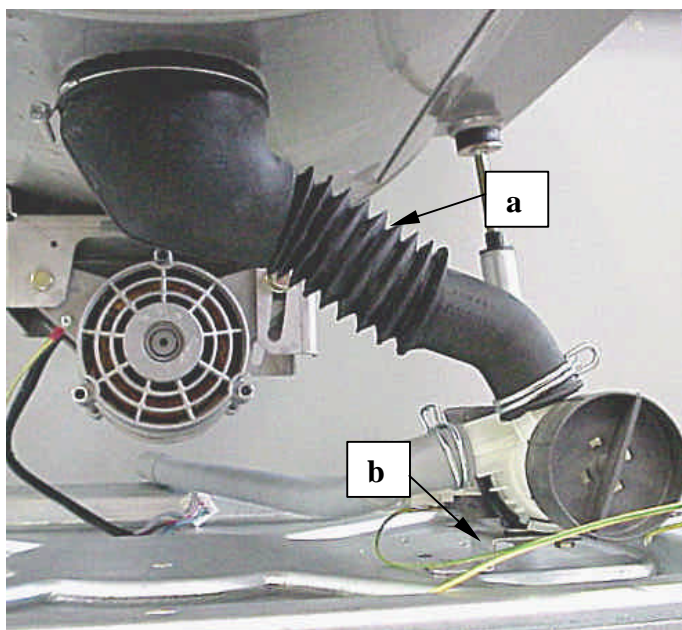
Remove the exterior drain pipe.



Remove the pipe (a) coming from the drain pump from the inside end (b) of the sleeve.



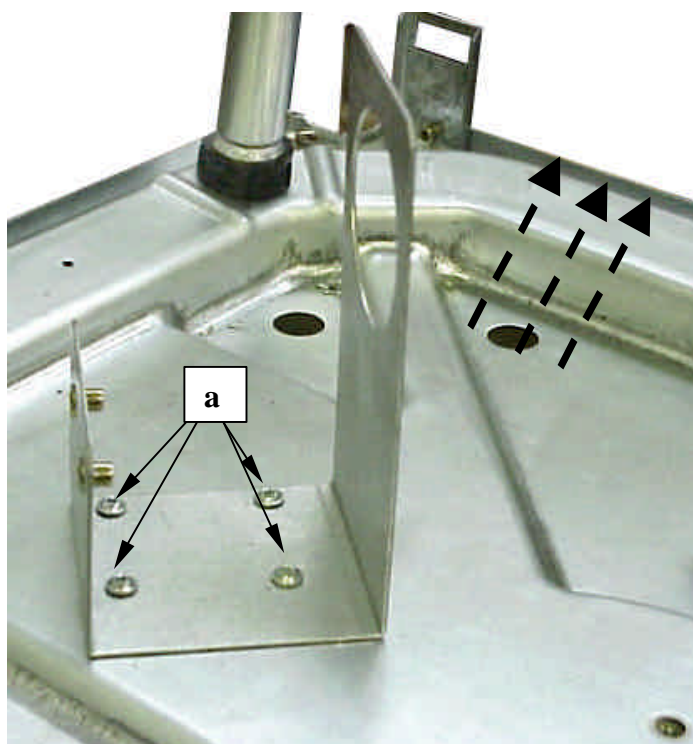
Disconnect electrical supply wiring (a) and ground wire (b) to the pump.



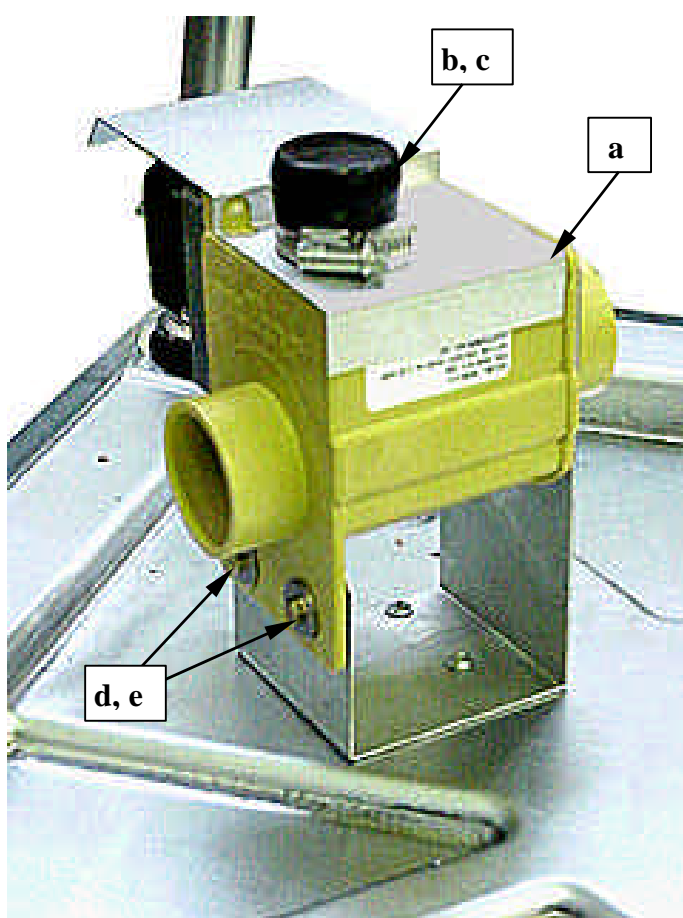
Remove the drain bellows (a) from the outer drum outlet and remove the support (b) of the pump from the base of the machine.

Remove the drain pump set.

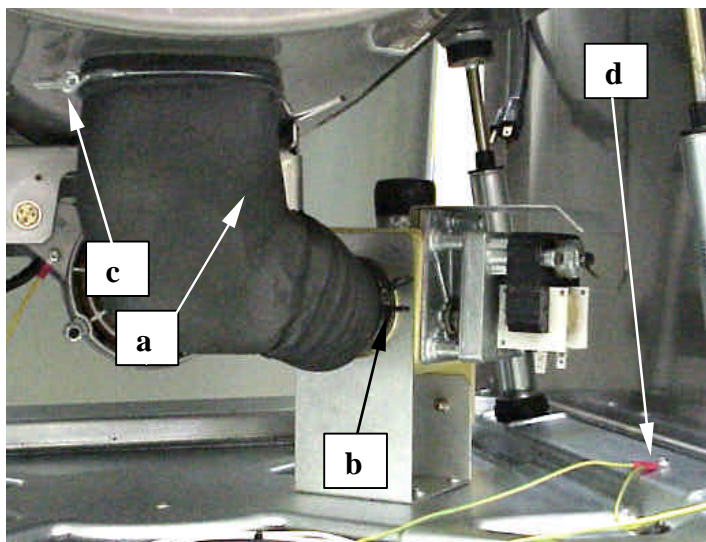
During this operation, water can easily drop from the body of the pump and the conduit pipes. CAREFULLY DRY THE BASE OF THE MACHINE.



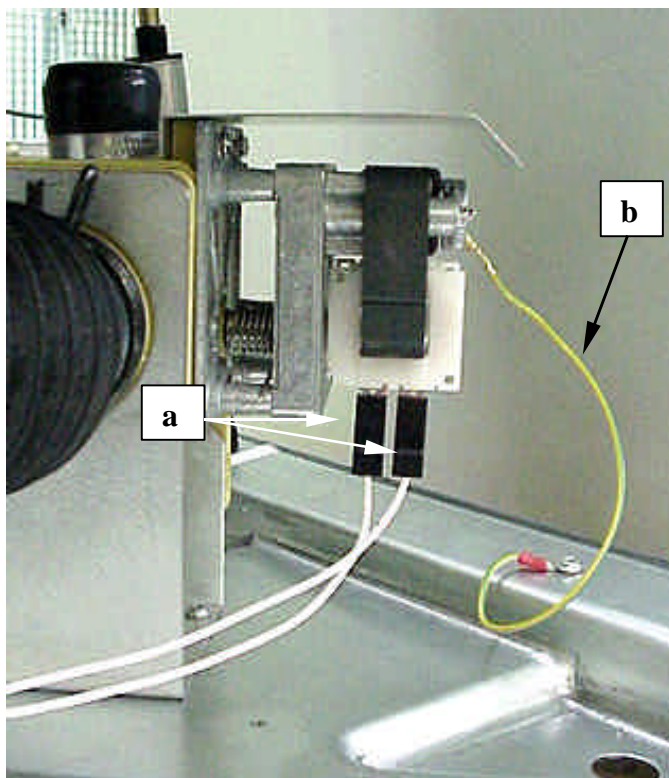
Mount the support of the drain to the base of the washer.
Fasten it with the screws (a).
The arrows indicate the front side of the base of the machine.



Position the protector plate (a) of the drain.
Fasten it with the plug (b) and the clamp (c).
Mount the drain valve over the support.
Fasten it with the screws and the washers (d, e)



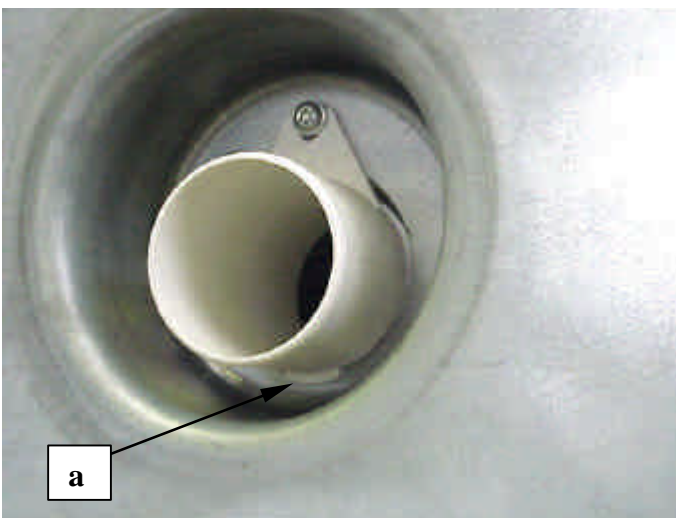
Mount the outlet bellows (a). Fasten it with the clamps (b, c). Fasten the ground cables with the screw (d). (In some machines, there is only one ground wire.)



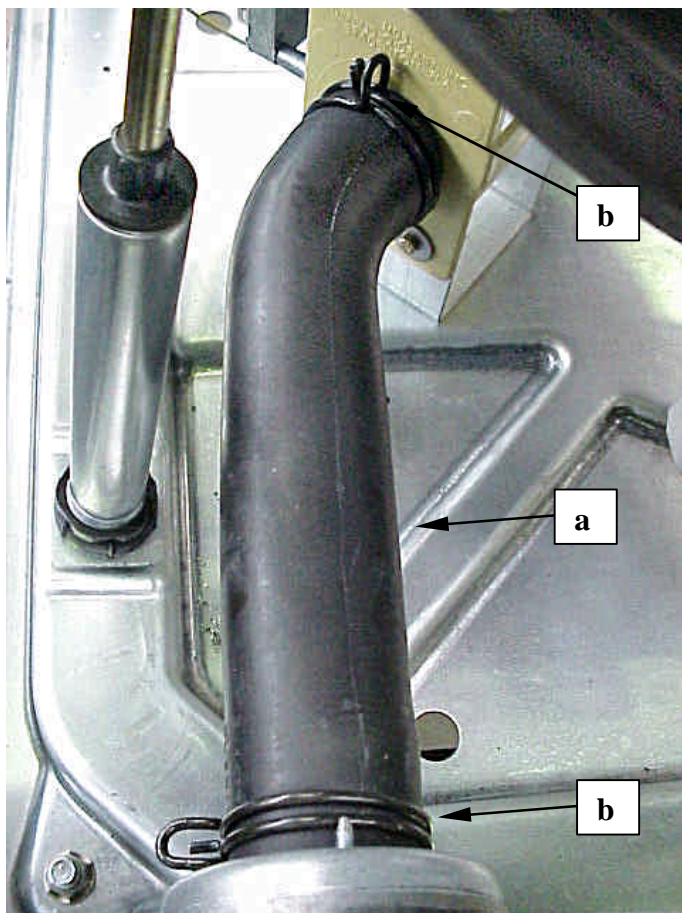
Connect electrical supply wiring (a) and ground wire (b).



Detach the pre-drilled adaptation plate from the drain sleeve.



Mount the drain sleeve to the lower rear cover.
Pay attention to the position of the front plug-in. (a)

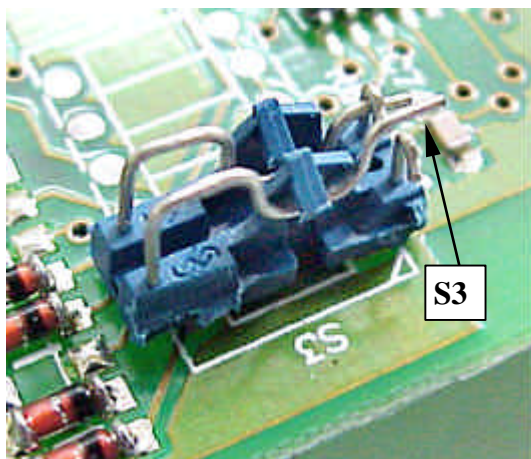


Mount the exit pipe of the valve (a) and fasten it with the clamps (b).
Verify that the entire base of the washer is dry, with no water remaining.



Mount the drain outlet elbow and fasten it with the clamp.
Mount the rear cover and the lower front cover and fasten them with the corresponding screws.

7. Modifying the configuration



- Open the front cover of the panel on the washer to access the microprocessor.
- Modify the position of the S3 switch according to the figure.
- Close the front cover and connect the electrical power. On the display should appear the report **CONF.**
- Access the definition stage of the drain type and adapt it according to the machine situation:
 - Pu:** machines with pump drain.
 - Uu:** machines with gravity drain
- Disconnect the electrical power and reset the S3 switch to its original position.

8. Verification

After the kit is installed, the new drain system configured, and **ALL** the covers of the washer are mounted and fixed, verify the operation and leak proofness of the new drain system.

Steps to follow:

- Check that the drain outlet pipe is located and fixed correctly.
- Open the manual valve from the water source.
- Connect the electrical power of the washer.
- Load the washer with linen.
- Select a wash program. It is preferable to use a program with a high temperature.
- Run the selected program. During the execution of the wash cycle, check that no alerts appear which indicate a malfunction of the drain system (consult the Operation Manual of the washer).
- Once finished, disconnect the electrical power and close the manual valves for water inlet.
- Remove the lower front cover and check that the base of the machine is dry and that no water leaks occur, particularly in the pipe unions.
- If no type of anomaly has occurred, assemble the front cover.
- Open the manual supply valves and connect the power supply.

Remember that:

There's the possibility to accelerate the programme on LOGI Control machines (refer to Instructions manual, section 1.5).

There's the possibility of using the DEMO program on COIN Control machines (refer to Advanced Instructions manual, section 2.4).