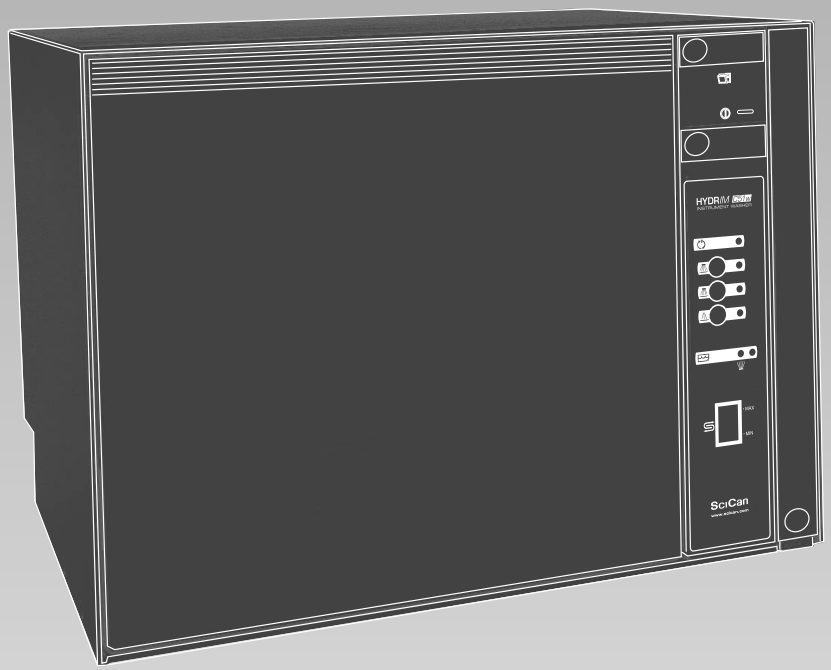
HYDR*IM* C51w
Service Guide



HYDR*IM* C51w Service Guide 96-107505 Rev 2.0.

SciCan

www.scican.com

Contents

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SciCan

This guide provides instructions for the servicing and repair of the HYDR*IM* C51w Instrument Washer. Every attempt has been made to provide accurate, detailed instructions.

All servicing of the HYDR*IM* C51w should be done by certified personnel only. All local, provincial, state and national regulations regarding the servicing of the class of device and safety requirements must be observed.

Do not permit any person other than certified personnel to supply parts for, service, or maintain a HYDR*IM* C51w. SciCan shall not be liable for incidental, special or consequential damages caused by any maintenance or services performed on the HYDR*IM* C51w by a third party, including lost profits, any commercial loss, economic loss, or loss arising from personal injury.

Further, you may be required to report the above information to the device manufacturer. In the case of SciCan products, whether required or not, it is vital for SciCan to learn of any problem in the field. The information described above will help SciCan solve the problem quickly and improve product reliability in new units.

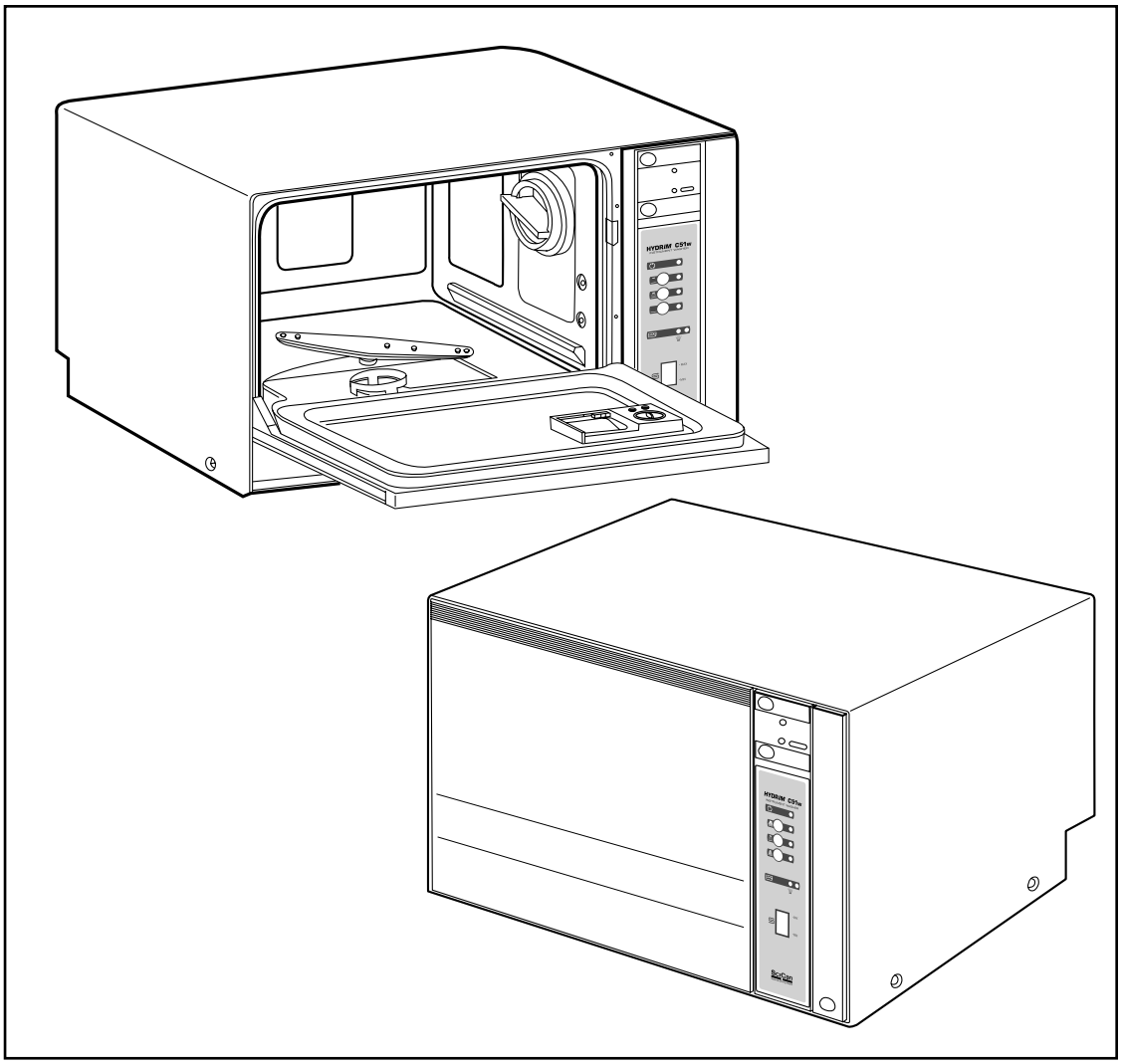
Pay close attention to the symbols that appear in the margins.
The following symbols indicate:

a potential hazard to the operator.

a situation or circumstance which may lead to a mechanical failure.

important information.

1.1 General Operation



HYDR*IM* C51w Overview

The HYDR*IM* C51w high speed instrument washer is designed to complement the STAT*IM* family of autoclaves by quickly and hygienically preparing soiled instruments for sterilization.

The HYDR*IM* C51w works like most domestic dishwashers. The operator loads the instruments, closes the door, and selects the wash cycle. The HYDR*IM* C51w automatically dispenses chemical via the dosing mechanism. The operator is responsible for checking the water softener salt level window, adding salt, adding rinse aid, cleaning the filters, and replacing the cleaning solution container when necessary.

1.2 Specifications

Dimensions / mass:			
Height:	450mm / 17.75"		
Width:	965mm / 23.5"		
Depth:	460mm / 18.25"		
Depth with door open:	780mm / 25.5"		
Weight:	35kg / 78lbs		
Running Noise:	60dBA		
Hot water connection:	70°C max / 160F		
Rinse aid dispenser:	60ml /2 fl. oz. capacity		
Water softener:	0.5kg/1.1lbs salt capacity		
Filling system:	3.5L/120 fl. oz. safety maximum		
Wash temperature:	50°C/122F +/- 5°C/9F		
Rinse pre-wash:	35°C/95F +/- 5°C /9F		
Electrical Consumption :			
North America:	208-220V	60Hz	10A
Europe:	220-240V	50Hz	10A
Other			
Equipment pollution degree:	Pollution Degree 2		
Equipment Installation Category:	Installation Category II		
Maximum relative humidity:	80% for temperatures up to 31°C/88F 50% for temperatures up to 40°C/104F		
Operating temperature range:	-5°C to 40°C (23-104F)		
Maximum altitude:	2000m/6096ft.		
Mains supply:	+/- 10% of nominal		

1.3 Safety Information

Safe operation

The following apply to both operators and service technicians:

- Exercise caution and seek assistance when lifting or carrying the unit.
- Cleaning solutions may irritate. Avoid contact with eyes and mouth.
- Never lean on the open door. The unit may tip forward causing injury.
- Always turn the unit **OFF** before adding softener salt or solutions. Before performing routine maintenance or servicing the unit, turn the unit **OFF** and unplug the power cord from the power source.
- The operator should never remove the cover of the unit or insert objects through holes or openings in the cabinetry. Doing so may damage the unit and/or pose a hazard to the operator.

Safe servicing

- The HYDR*IM* C51w Instrument Washer should only be installed and serviced by a qualified contractor as it is an Installation Category 2 device. SciCan shall not be liable for incidental, special or consequential damages caused by any maintenance or services performed on the HYDR*IM* C51w by a third party or for the use of equipment or parts manufactured by a third party, including lost profits, any commercial loss, economic loss, or loss arising from personal injury.
- All local, regional, state, and national regulations regarding the servicing of this class of device and safety requirements must be observed.

When the cover is removed:

- Hazardous voltages are accessible. Disconnect the power cord before removing the cover.
- Sharp metal edges are exposed. Be careful, and wear long sleeves and gloves.

Power main

- A dielectric strength test (hi-pot) must be performed on the unit if parts associated with the power main are serviced or replaced.

Ground

A protective bonding impedance test (ground continuity) must be performed on the unit if components of the protective earthing system are changed or connections broken and remade.

Reporting

Depending upon your jurisdiction, you may be required to report medical device failures to the relevant health care authority. You should confirm the specific medical device requirements with this authority. Information typically required includes, but is not limited to, make, model and serial number, type of failure, date, device operator name, any details of personal injury and/or property damage, and the name of the person reporting the event.

Further, you may be required to report the above information to the device manufacturer. In the case of SciCan products, whether required or not, it is vital for SciCan to learn of any problem in the field. The information described above will help SciCan solve the problem quickly and improve product reliability in new units. Section 8 of this service manual contains a service report form which should be completed and returned to SciCan's Toronto office.

Biological waste

Waste water in the unit may contain biological contaminants; use a mechanical means to siphon the contents. Wear disposable rubber gloves. Dispose of absorbent material according to biological waste disposal regulations.

1.4 Required Tools

TOOLS LIST

DESCRIPTION	QTY	DESCRIPTION	QTY
Cutter for packaging	1	Wire stripper	1
Nose pliers	1	Nut driver 5.5mm	1
Screwdriver PH2	1	Nut driver 7mm	1
Screwdriver Slot	1	Nut driver 8mm	1
T15 Torxdriver	1	Nut driver 1/4"	1
T20 Torxdriver	1	Wrench 7/16"	1
Allen key 2.5mm	1	Wrench 1/4"	1
Small screwdriver	1	11/16" socket	1

Unit contains the following types of hardware:

- Phillips pan head self-tapping metal screws
- Phillips flat head stainless steel machine screws
- Torx pan head machine screws
- Torx pan head plastite screws
- Two M4 Nuts

As you remove a screw or nut, be sure to remember where it goes. When you reinsert a plastite screw, tighten the screw until it is snug.

1.5 Shipping Instructions

The unit should be serviced on site. If it is necessary to send the unit back to SciCan, follow these instructions. Before shipping the unit, run the Rinse and Hold cycle to remove most of the water from the system. If there is standing water in the chamber, siphon or ladle as much water as possible and use an absorbent cloth to remove the rest. Disconnect and remove the cleaning solution container and then drain the dosing reservoir. Specify upright, heated, and insured shipping.

1.6 Contact Information

For further information or questions about the HYDR*IM* C51w, contact your authorized dealer or:

SciCan
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International: (416) 446-4500
Email: techservice.ca@scican.com

2. Installation

2.1 Suggested Installation Configurations

The HYDR*IM* C51w Instrument Washer should only be installed and serviced by a qualified contractor as it is an Installation Category 2 device. The contractor should be experienced in installing equipment that requires electrical hook-up as well as plumbing. The machine must be installed and leveled correctly for the unit to function as described. All electrical work must be carried out by a qualified electrician and in compliance with all local and national electrical codes.

Before making any connections, check that the voltage shown on the serial # label corresponds to your power supply. The machine is supplied as standard for connection to a 220V 60Hz (220-240V 50Hz for EU) single-phase power supply and is fitted with a power supply cord 1.8m/6ft long with a cross section of AWG 8-3. It should be connected to the main power supply according to the information below.

	North America	Europe
Voltage:	208V	220-240V
Frequency:	60Hz	50Hz
Rated load:	2kW	2kW
Circuit breaker:	10A per phase	10A per phase

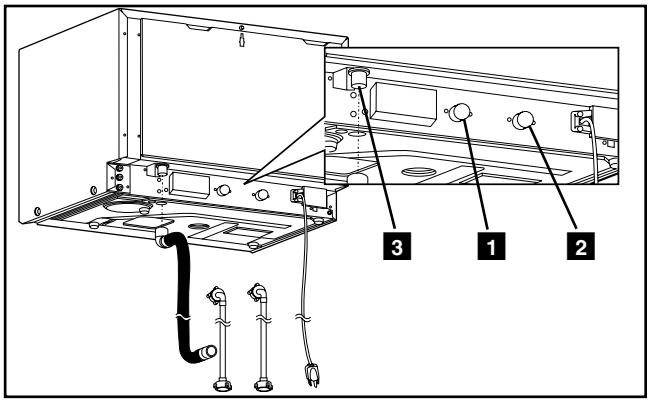
⚠ This appliance must be correctly grounded! The manufacturer cannot be held responsible for damage or injury caused by incorrect or missing grounding.

2.2 Water Connections

The unit must be connected to the water supply in accordance with all local and national plumbing codes. The unit is constructed with air gap/anti-siphoning devices on the cold water inlet hose **1**, the hot water inlet hose **2** and the drain hose **3**. Additional air gap/anti-siphoning devices are not recommended, because they would impede the water flow into and out of the washer.

For optimal performance, the water pressure should be between 2.5-10.0bar (35 and 145psi) -the unit will function down to 0.5bar.

The HYDR*IM* C51w is designed for cold and hot water connection in view of its technical application. The inlet hoses are 1.9m/6.2ft long with 2cm/¾" connectors.

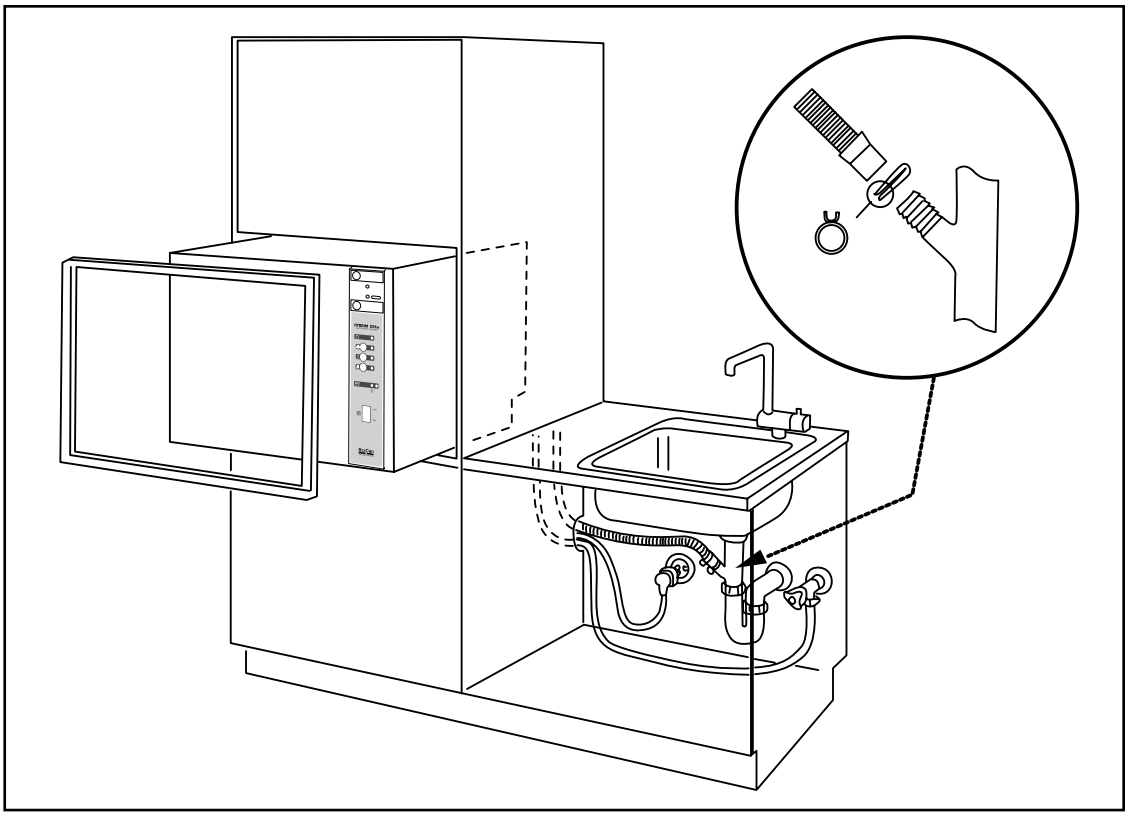


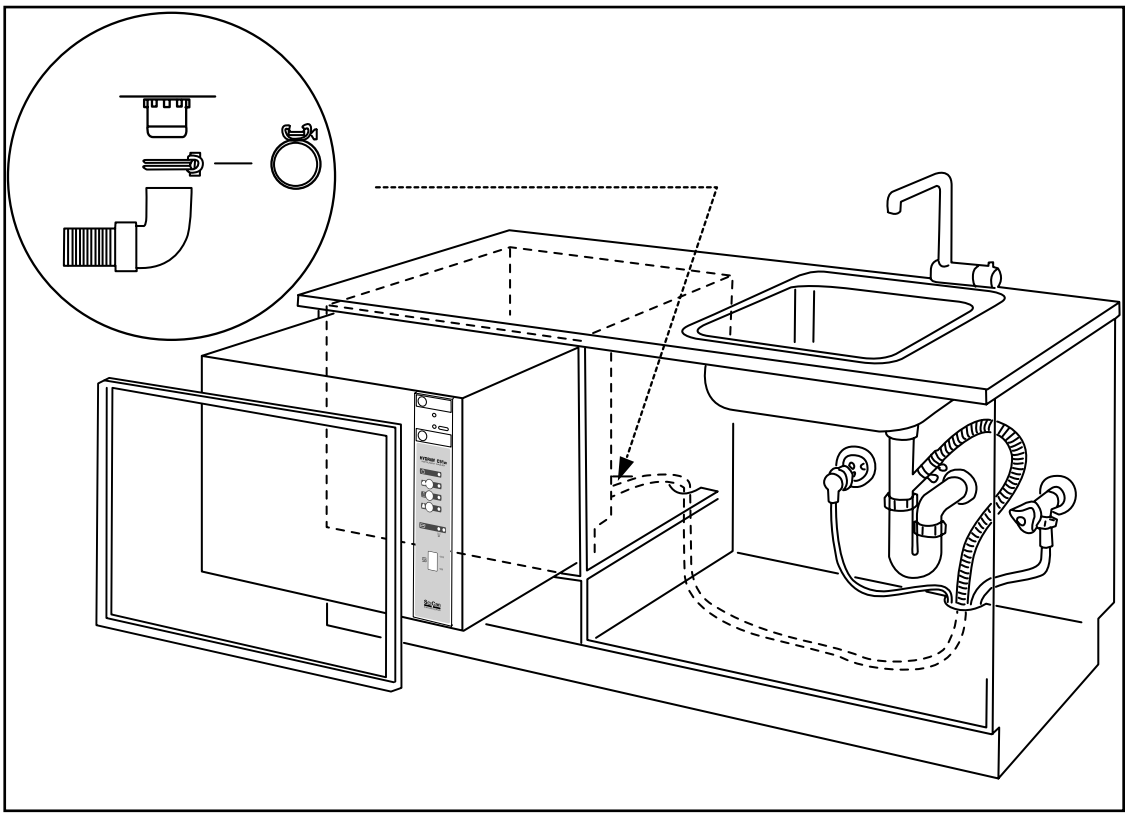
2.3 Drainage

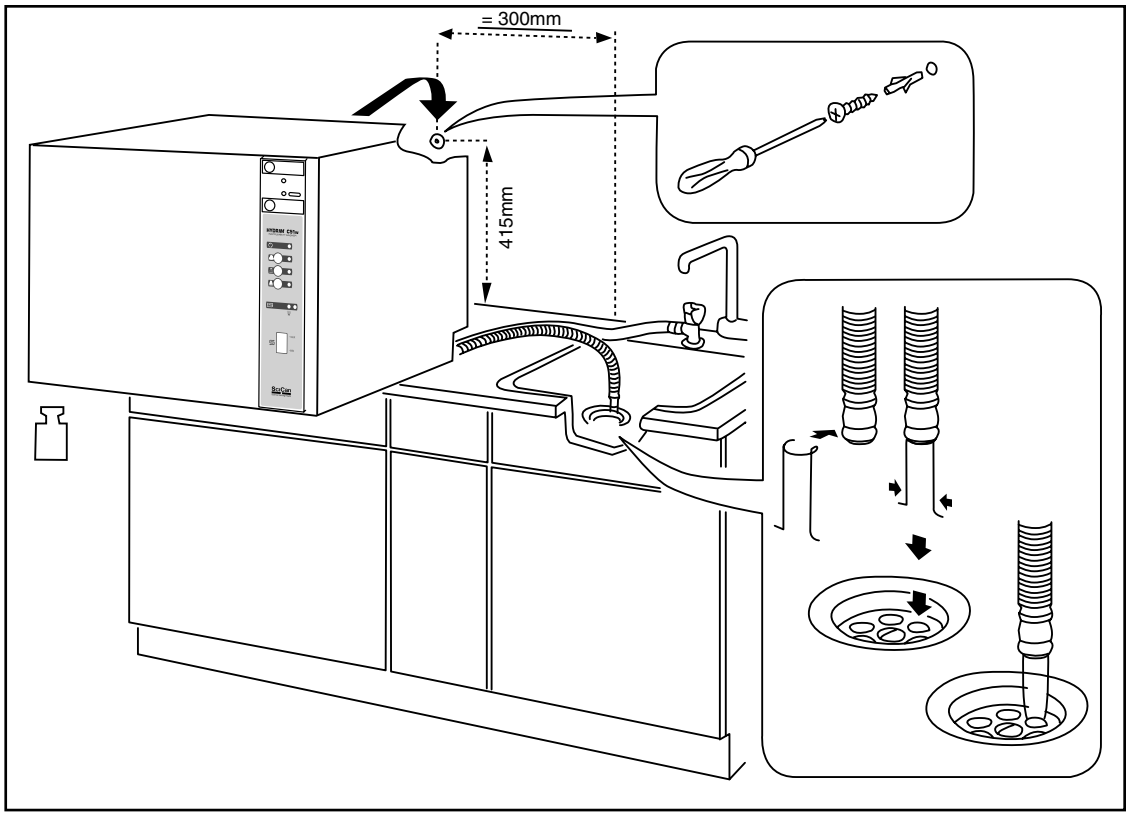
The unit is supplied with one 1.4m/4.6ft. flexible drain hose with an inner diameter of 2cm/¾ inch. The hose should not be shortened or attached to any fittings that would cause a reduction in water flow. The drain system is equipped with a non-return valve that prevents dirty water from flowing back into the unit.

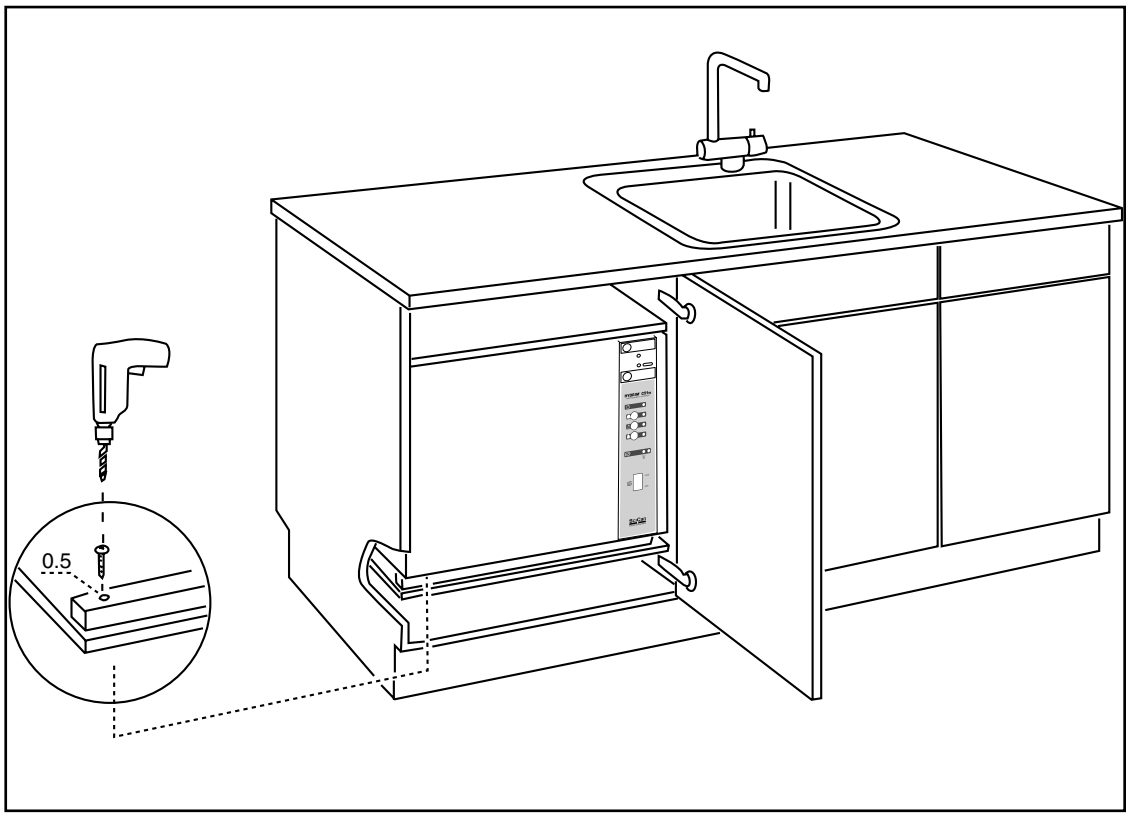
The drain hose should not be further than 1.5m/5ft. from a hard plumbing drain. If this is not possible, then commercial grade plumbing hose must be used to ensure the minimization of possible leaks. If you require additional hose, your SciCan dealer can provide you with ordering details.

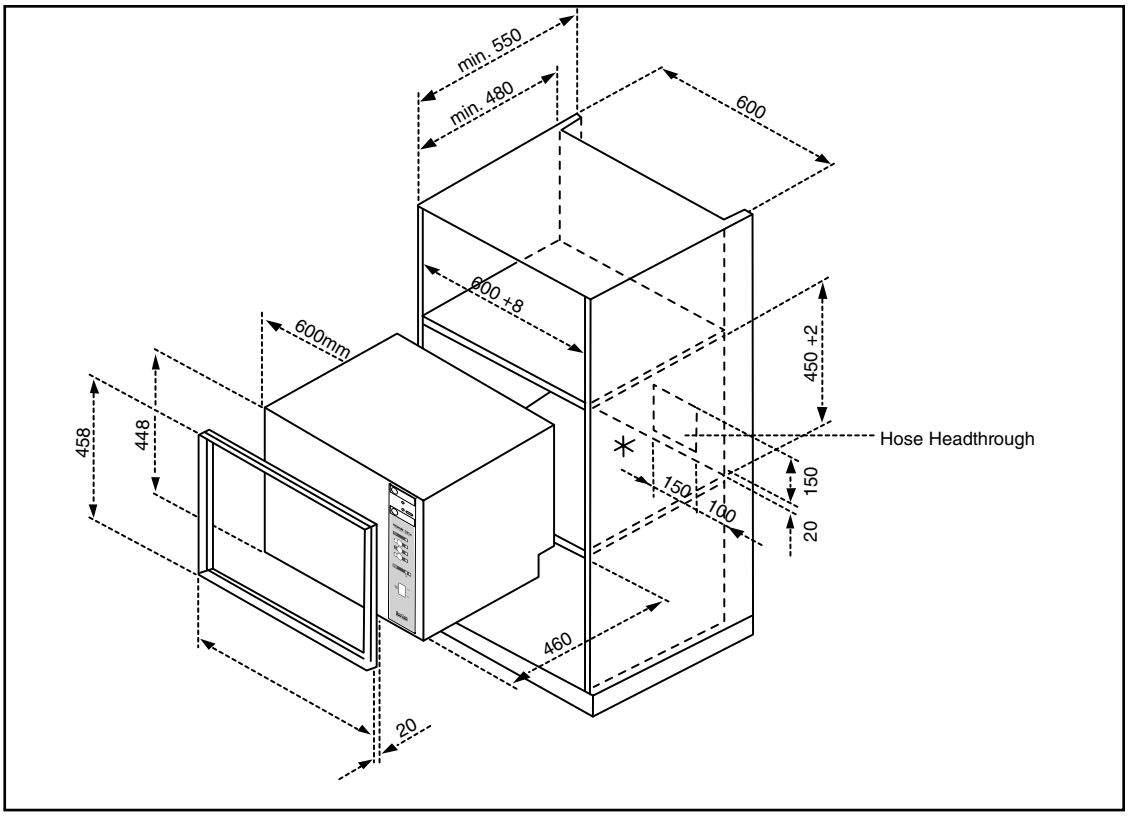
The hose can be attached to existing drain lines through the use of a 3.5cm/1-½ inch or larger stand pipe/P-trap combination. Alternatively, the hose can be connected directly to the existing drain lines, provided any fittings or adapters used do not reduce the water flow. The drain hose should not exceed 3.3m/13ft. in length, or be attached to the main drain at a point higher that 1m/3ft. above the floor. A floor drain is acceptable.

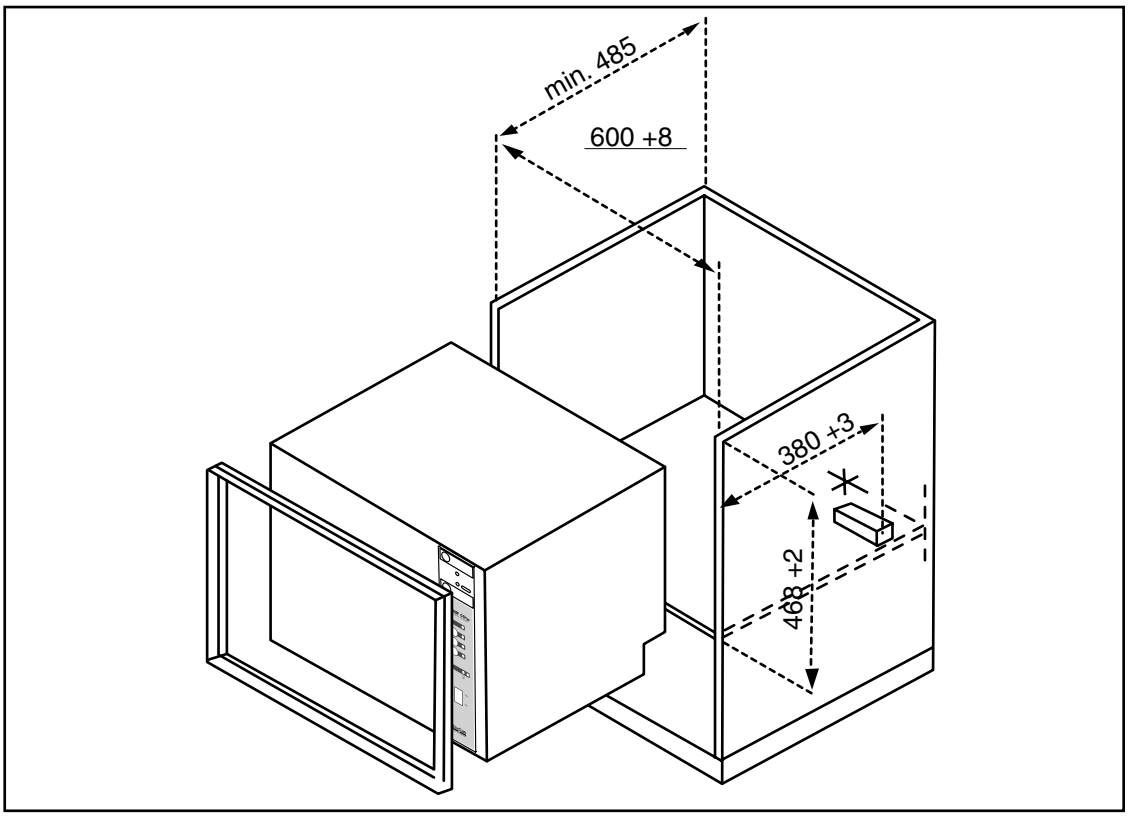





= 300mm
415mm


0.5

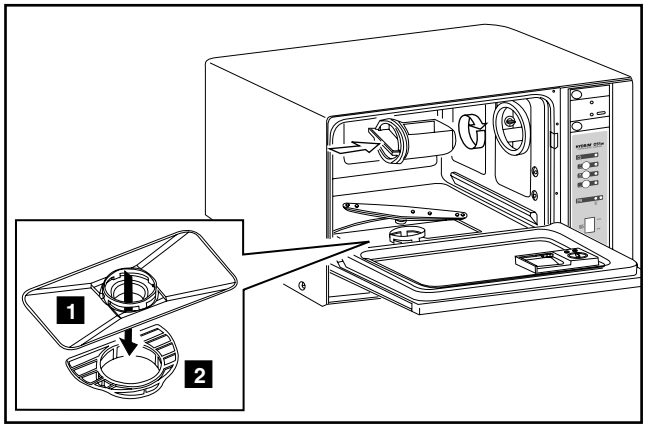

min. 550
min. 480
600
600 +8
600mm
458
448
450 +2
Hose Headthrough
150
100
150
20
460
20


min. 485
600 +8
380 +3
468 +2

3. Routine Maintenance

These steps should be performed prior to inspecting the unit.

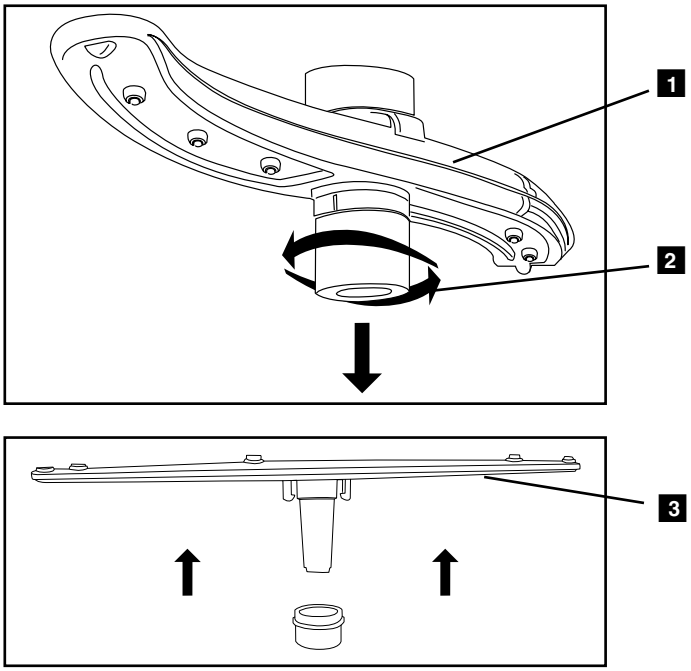
3.1 Filters



Inspect the coarse filter 1 and fine filter 2 as follows:

1. Open the unit door and remove the wash rack.
2. Grasp the handle in the center of the coarse filter and turn it 90˚ counter-clockwise. (To reinsert the coarse filter, turn the handle clockwise.)
3. Remove the course filter.
4. Remove the fine filter.
5. Clean both filters by rinsing them in tap water.
6. Return both filters to the unit.

3.2 Wash Arms



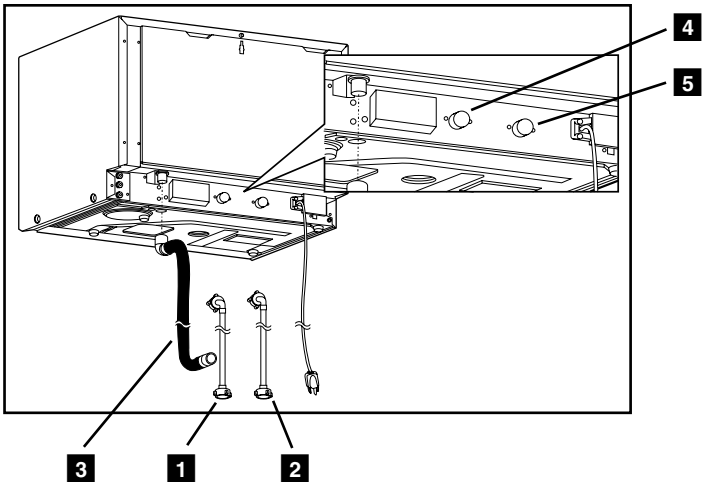
Inspect the upper wash arm 1 and lower wash arm 3 as follows:

1. Open the unit door and remove the wash rack from the unit.
2. Turn the upper washer arm collar 2 clockwise and unscrew it.
3. Remove the upper wash arm.
4. Using two hands, grasp both ends of the lower wash arm on the underside.
5. Push the lower wash arm upwards.

6. Inspect both sides of the upper wash arm and the lower wash arm for debris in the nozzles. Remove the debris if discovered.
7. Rinse both wash arms under tap water.
8. Reassemble the wash arms.

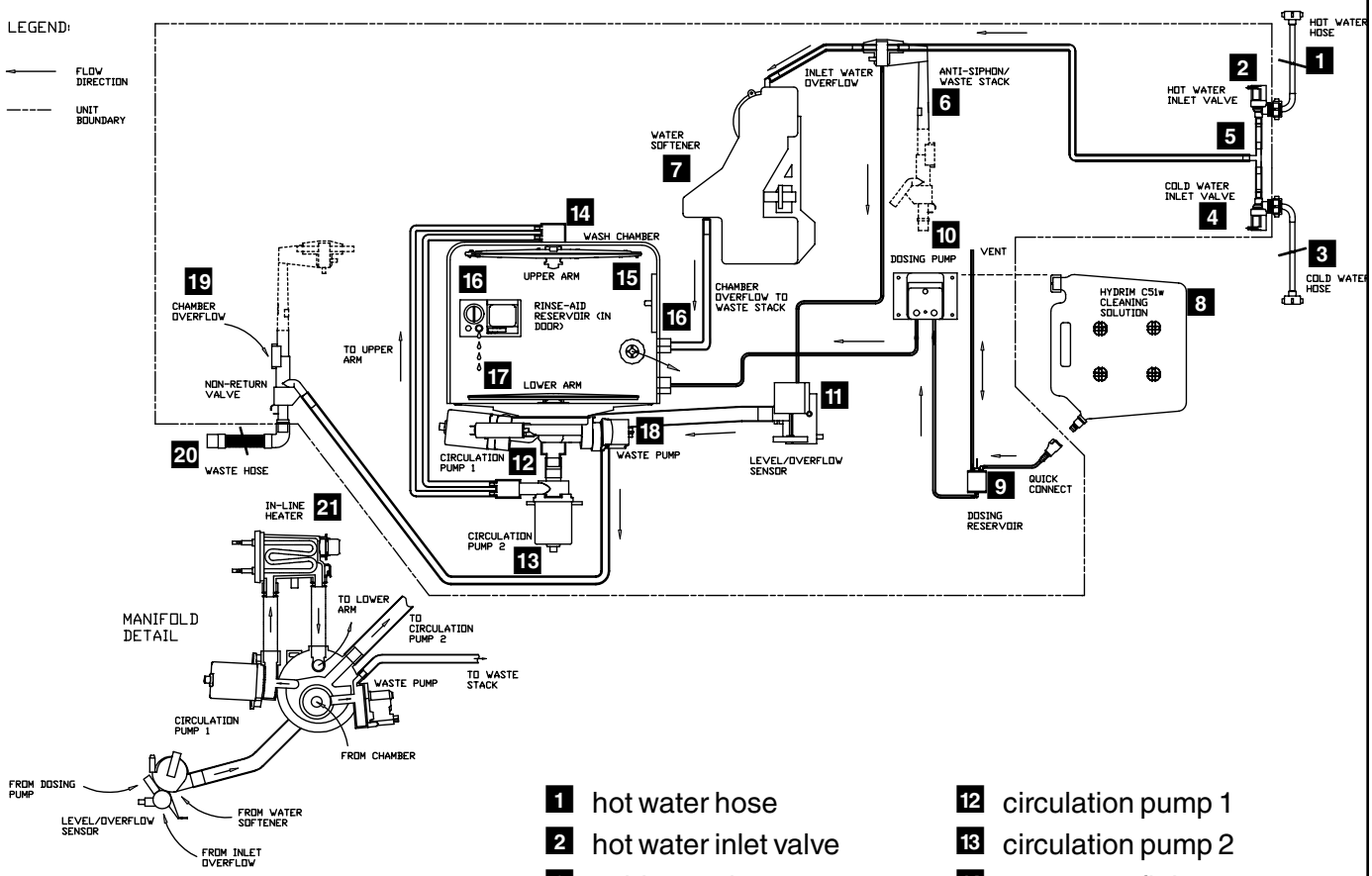
3.3 Hoses

1. Disconnect the cold water inlet hose 1, hot water inlet hose 2, and drain hose 3 from the back of the unit.
2. Make sure that the hoses are clean, free of debris and not kinked.
3. Make sure that the inlet valves 4 and 5 are free of debris.
4. Return the hoses to the unit or replace if there is a problem.



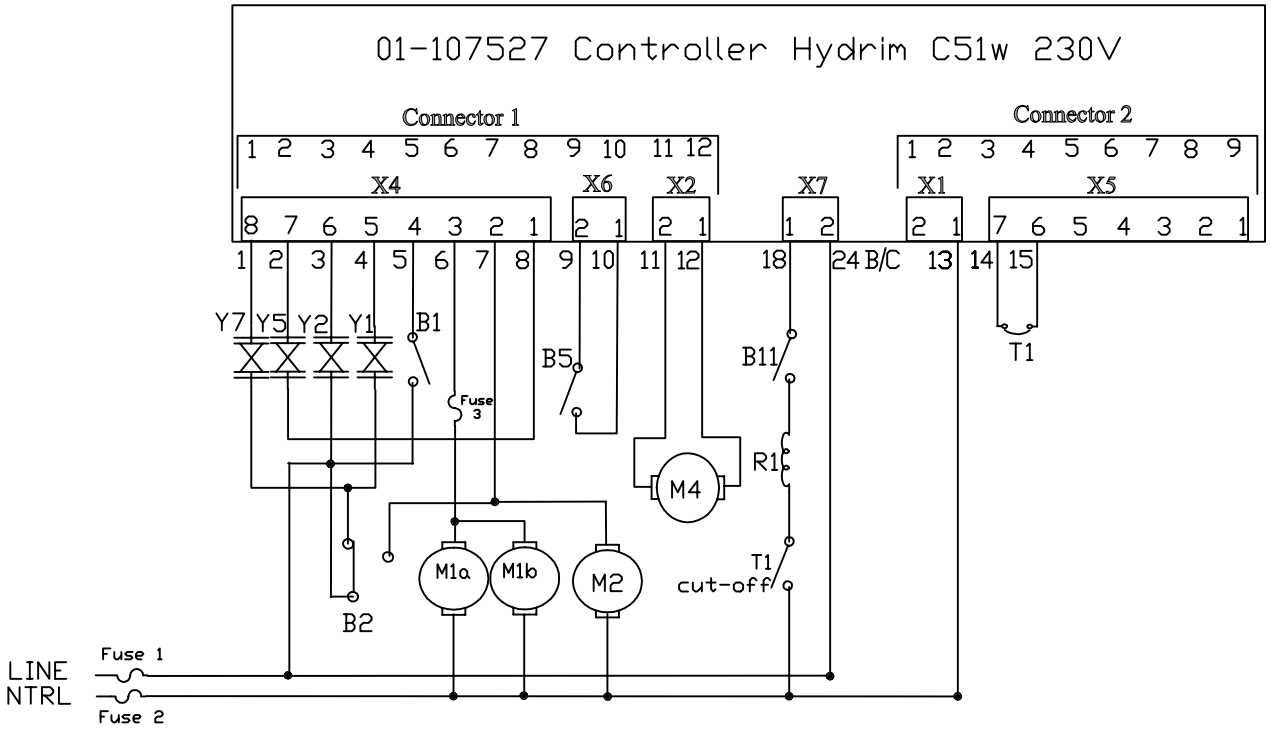
4. Schematics

4.1 Hydraulic



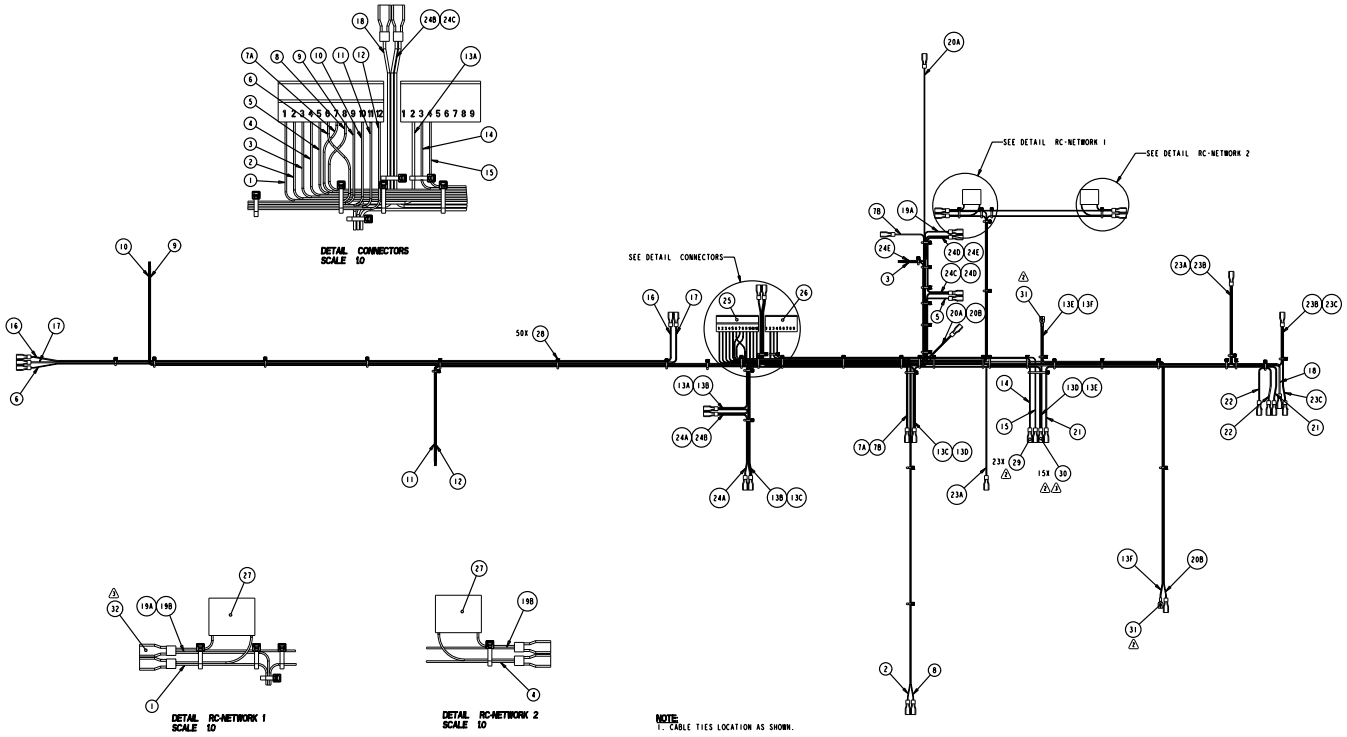
1. hot water hose
2. hot water inlet valve
3. cold water hose
4. cold water inlet valve
5. tee fitting
6. anti-siphon/waste stack
7. water softener
8. cleaning solution bottle
9. dosing reservoir
10. dosing pump
11. level/overflow sensor
12. circulation pump 1
13. circulation pump 2
14. upper arm fitting
15. upper arm
16. rinse aid reservoir (in door)
17. lower arm
18. drain pump
19. chamber overflow
20. drain hose
21. heater

4.2 Electrical



M1a	Recirculation Pump #1
M1b	Recirculation Pump #2
M2	Waste pump
M4	Dosing pump
B1	Chamber full switch
B2	Chamber over-flow switch
B5	Chemical level switch
B11	Heater pressure switch
Y1	Hot inlet valve
Y2	Salt regeneration valve
Y5	Rinse aid thermoactuator
Y7	Cold inlet valve
T1	Thermal cutoff switch
R1	Heater element

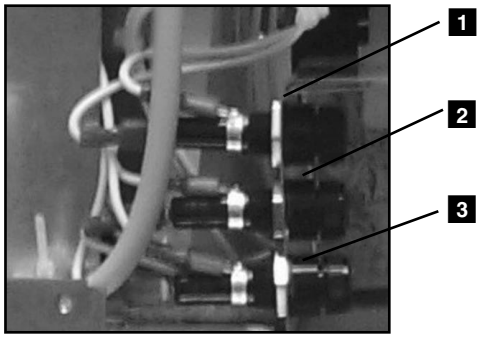
4.2 Electrical



1	Cold water valve
2	Rinse aid valve
3	Salt valve
4	Hot water valve
5	Chamber full
6	Circulation pump fuse
7A, 7B	Drain pump
8	Rinse aid valve
9, 10	Low chemical switch
11, 12	Dosing pump
13A, 13B	Power switch
13C, 13D	Drain pump
13E, 13F	Circulation pump 2
14, 15	Temperature sensor
16	Neutral fuse
17	Line fuse
18	Chamber heater
19A, 19B	Cold water valve
20A, 20B	Circulation pump 1
21	Pressure switch
22	Chamber heater
23A, 23B	Power inlet ground
23C	Chamber heater ground
24A, 24B	Power switch
24C, 24D	Chamber full
24E	Salt valve

5. Troubleshooting

5.1 First Steps



After you have performed checks on the hoses, power source, washer arms and filters (section 3) and the unit still does not function properly, do the following:

1. Power **OFF** the unit.
2. Check the two 10A 250V fuses 1 and 2 and the 2A 250V fuse 3 at the back of the unit.
3. Power **ON** the unit. If the power **ON** lamp does not light, go to section 5.2 Power **ON** Problems.

4. Run a cycle.

   - If the LED on the control panel does not light, go to section 5.3 Controller Problems.
   - If the ERROR light is on, go to section 5.4 Fault Codes.
   - If you see problems with water or pumps, go to section 5.5 Hydraulic Problems.
   - Otherwise, go to section 5.6 Other Problems.

5.2 Power On Problems

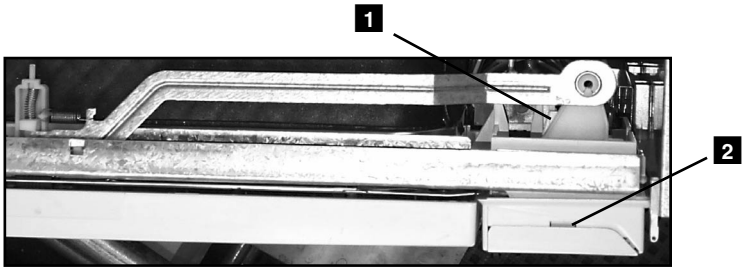
Note: If the Power On light is not lit but the unit appears to function normally, replace the Power **ON** light. To get to the Power **ON** light, follow the instructions in section 5.3 Controller Problems. Refer to number 8.

1. Power **OFF** the unit.
2. Check the power supply is plugged in.
3. Check the two 10A fuses at the back of the unit and replace if necessary.
4. Check that the front door closes completely. If there is resistance there is a problem with the door interlock. (See section 6.)
5. Remove the cleaning solution container and the top cover. (See section 6.)
6. Check the door interlock.
7. If okay, go to section Controller Problems (5.3) and replace the controller if the harness connectors are connected correctly.

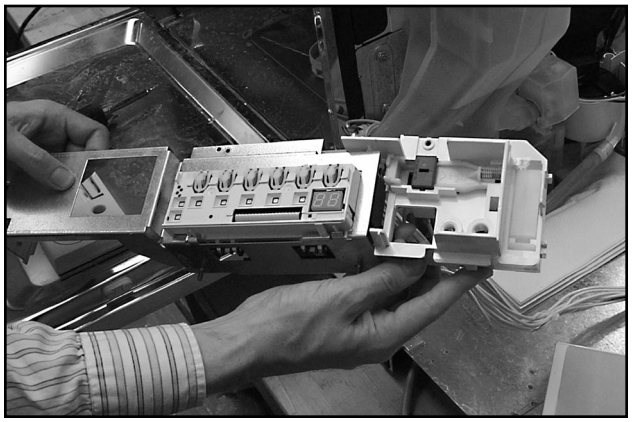
5.3 Controller Problems

The controller contains circuitry which is static sensitive. Always wear a static strap when working with or near the controller. Transport the controller in a static protected bag.

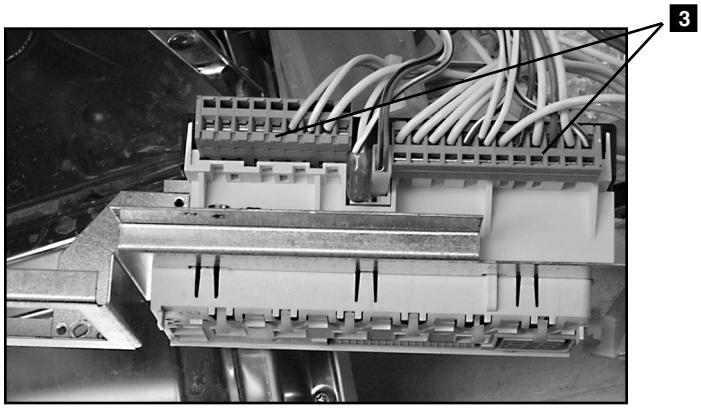
1. Power **OFF** the unit.
2. Remove the cleaning solution container, the top cover, and the side bracket. (See section 6.)
3. Disconnect the door interlock 1. (Top view of unit without cover)
4. Open the door



5. Remove the front fascia by inserting a flat head screwdriver into 2.
6. Remove the Philips machine screw from the front of the unit, and the plastite screw from inside the door on the controller side.
7. Remove the controller from the unit.



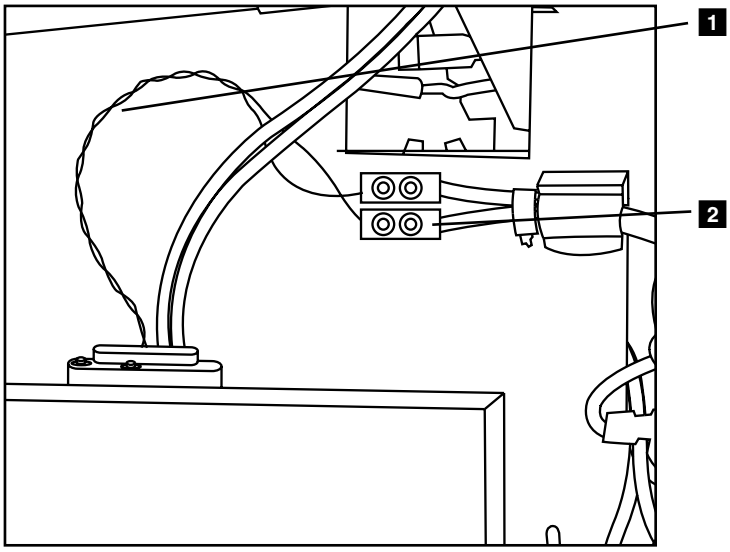
8. Remove the wiring harness 3 from the back of the controller.
9. Pop the controller out of the bracket.
10. Replace the controller.



5.4 Fault Codes

The unit has built in fault codes. To access this information:

1. Power **OFF** the unit.
2. Remove the front panel. (See section 6.)
3. Disconnect the blue and yellow wires **1** leading to the terminal block **2** and add a jumper. This enables the unit to run with no chemical.
4. Power on the unit.
5. Run a cycle.



If the software detects an error, it will display one of the following codes:

E1-Error light flashes once.	The chamber does not get hot enough. Go to "The water is not heated." on page 23.
E2-Error light flashes twice.	The chamber does not fill with water. Go to "No water is used." on page 24.
E3-Error light flashes three times.	The temperature is outside the expected range. Go to "The water is not heated." on page 23.
E4-Error light flashes four times.	The chamber doesnot drain. Go to "Water does not drain." on page 24.

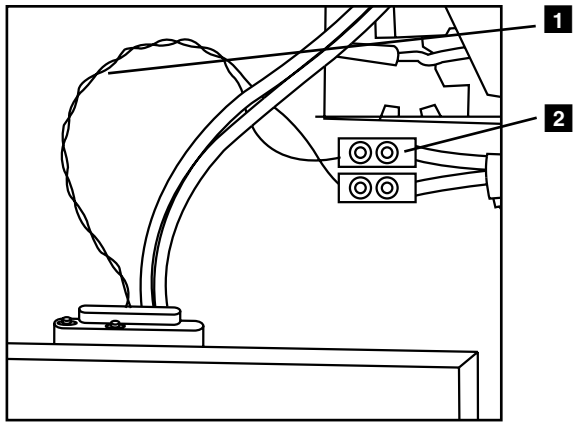
5.5 Hydraulic Problems

When you power on the unit, you immediately hear the drain pump.

1. There is water in the bottom pan or the over flow switch has failed on.
2. If the water is in the bottom pan, power unit off and find the leak in the plumbing.
3. You will need to drain the unit flip it over and remove the bottom pan (See section 6.)

When you start a cycle, the drain pump works longer than 10 seconds.

1. Power **OFF** the unit and unplug the power cord.
2. Remove the cleaning solution container and the top cover, and pull back the back cover. (See section 6.)
3. Check for leaks in the hoses.
4. Disconnect the blue and yellow wires **1** leading to the terminal block **2** and add a jumper. This enables the unit to run with no chemical.
5. Power **ON** the unit.
6. Run a cycle, and try to find the leak.
7. Power **OFF** the unit.
8. Drain the dosing reservoir.
9. Remove the bottom pan. (See section 6.)
10. Check for leaks in the hoses.



Water comes out of the back of the unit.

The hoses are not connected properly.

1. Check the inlet hoses for leaks and blockages.
2. Check the washers inside the inlet hoses.
3. Power **OFF** the unit.
4. Remove the cleaning solution container and the top cover, and pull back the back panel. (See section 6)

5. Tighten the water inlet valves **1** and **2** and check the hoses and clamps for leaks. Tighten the clamps once finished.
6. If the problem persists, replace the inlet hoses.
7. If the problem persists, replace the inlet valves.

Water comes out of the front of the unit.

1. Open the front door, and replace the seal.

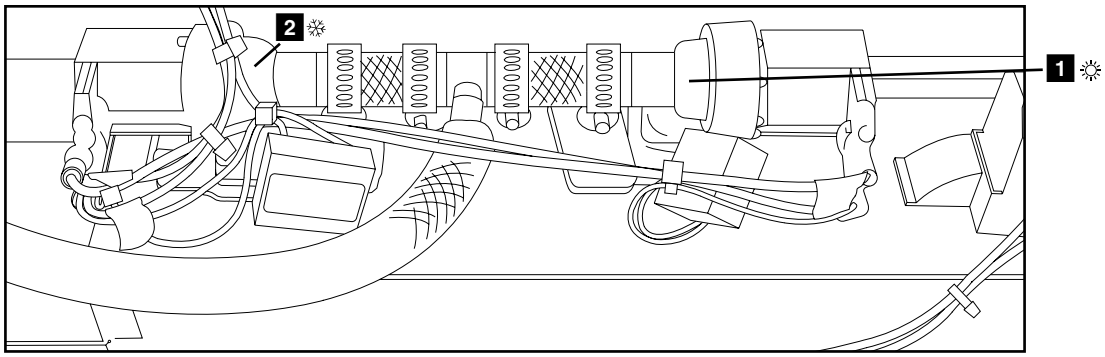
When you start a cycle, the inlet valves stay open and water keeps flowing into the unit.

1. Power **OFF** the unit and unplug the power cord.
2. Remove the cleaning solution container, the side bracket, and the top cover. (See intro section).
3. Check continuity for the connectors to the Full Switch **3** and Overflow Switch **4**.
4. Replace the Full Switch.

The wash cycle lasts more than 30 minutes.

The unit has no hot water.

1. Check the hot water connection.
2. Check the inlet tubes for kinks and blockages.
3. Power **OFF** the unit.
4. Remove the cleaning solution container and the top cover, and pull back the back panel. (See intro section).
5. Check the tubes for kinks and blockages.
6. Replace the hot water inlet valve **1**.
7. If the problem persists, replace the hot water inlet hose.

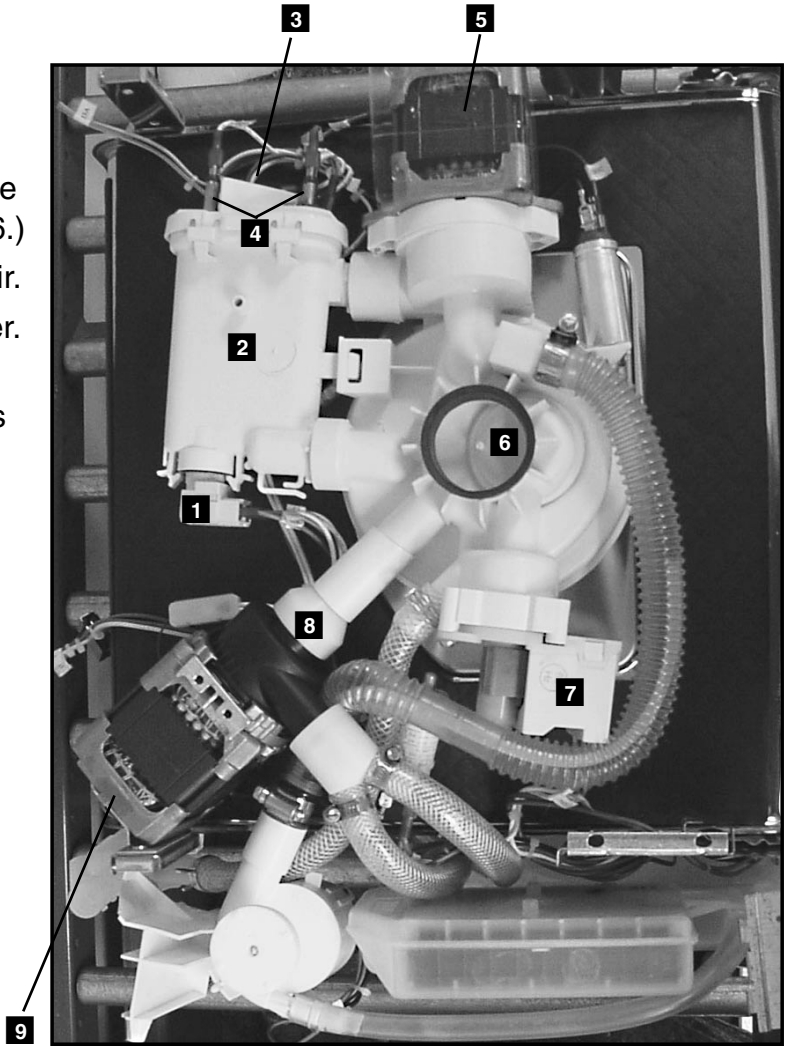


The water is not heated. ERROR # 1, 2

1. Power **OFF** the unit.
2. Remove the cleaning solution container and the top cover. (See section 6.)
3. Drain the dosing reservoir.
4. Remove the bottom cover. (See section 6.)
5. Test continuity on the two connectors 4 to the heater 2.
6. Check the microswitch 3.
7. Check the thermostat 1.
8. If the problem persists, contact SciCan.

Water does not recirculate, and instruments are not cleaned.

1. Check the inlet tubes for kinks and blockages.
2. Power **OFF** the unit.
3. Check the 2A fuse at the back of the unit.
4. Remove the cleaning solution container and the top cover. (See section 6.)
5. Drain the dosing reservoir.
6. Remove the bottom cover. (See section 6.)
7. Check the tubes for kinks and blockages.
8. Remove the two screws that hold the first recirculation pump 5.
9. Remove the wires that connect to the pump.
10. Replace the first recirculation pump.
11. Remove the two screws that hold the second recirculation pump 9 to the bracket.



12. Pull the pump away from the drain manifold 6.
13. Remove the connector 8 to the drain manifold.
14. Remove the wires that connect to the pump.
15. Replace the second recirculation pump.

Water does not drain. ERROR #4

1. Syphon the water from the unit.
2. Power **OFF** the unit.
3. Remove the cleaning solution container and the top cover. (See section 6.)
4. Drain the dosing reservoir.
5. Remove the bottom cover. (See section 6.)
6. Remove the two screws that hold the drain pump 7.
7. Remove the wires that connect to the pump.
8. Replace the drain pump.

No water is used. ERROR #2

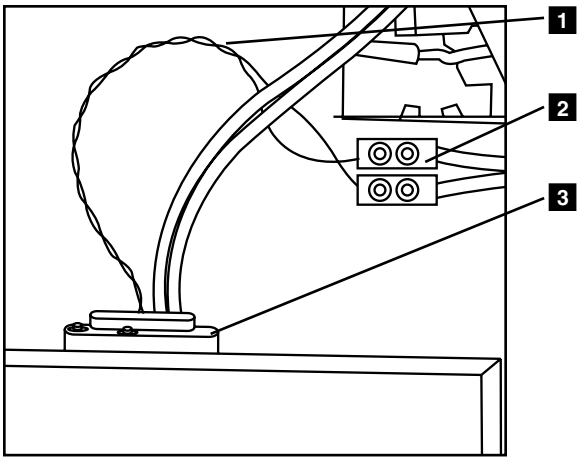
1. Check the water source.
2. Check that the inlet hoses are connected properly and do not have kinks or blockages.
3. Power **OFF** the unit.
4. Remove the cleaning solution container and the top cover. (See section 6.)
5. Drain the dosing reservoir.
6. Remove the bottom cover. (See section 6.)
7. Check the hoses for kinks and blockages.

5.6 Other Problems

Chemical is loaded, but the Low Chemical light is **ON**.

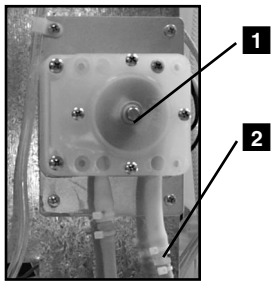
1. Power **OFF** the unit.
2. Remove the cleaning solution container and the top cover. (See section 6.)
3. Check the hoses for kinks and blockages.

4. Check the yellow and blue wires 1 that lead to the terminal block 2. Ensure they are connected. Check the continuity. Try to run the unit with a jumper in place.
5. If all of these are fine, replace the sensor cap 3.

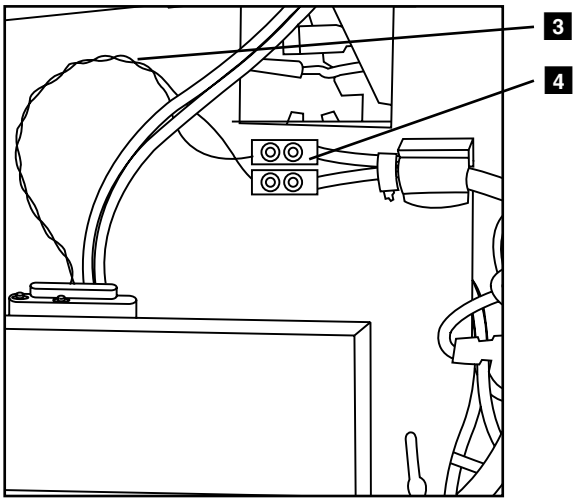


No chemical is used.

1. Power **OFF** the unit.
2. Remove the cleaning solution container, the top cover, and the side bracket. (See section 6.)
3. Check the hoses 2 that lead to the dosing pump 1 for kinks and leaks.



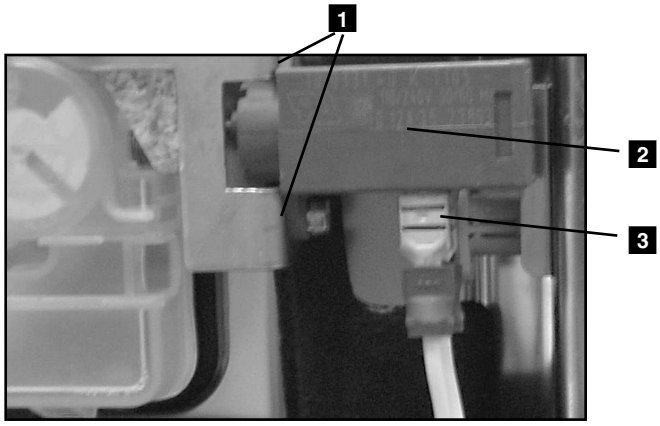
4. Disconnect the blue and yellow wires 3 leading to the terminal block 4 and add a jumper. This enables the unit to run with no chemical.
5. Power **ON** the unit.
6. Run a cycle. If the motor in the dosing pump does not turn, replace the dosing pump.



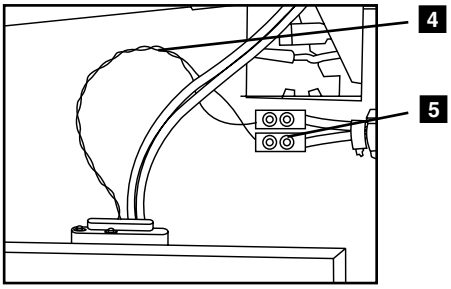
Instruments have spots.

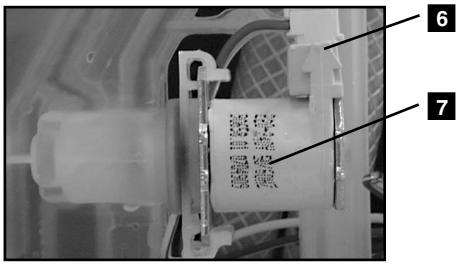
1. Check the water hardness setting in the salt container.
2. Check that the unit contains salt.
3. Check that the unit contains rinse aid.
4. Power **OFF** the unit.

5. Remove the front door fascia by removing the 4 Torx screws. (See section 6.)
6. Remove the two screws 1 and the connectors 3 for the thermoactuator.
7. Replace the thermoactuator 2.



8. Disconnect the blue and yellow wires 4 leading to the terminal block 5 and add a jumper. This enables the unit to run with no chemical.
9. Power **ON** the unit and run a cycle.
10. If the problem persists, power **OFF** the unit again.
11. Remove the side bracket. (See section 6.)
12. Pop **OFF** the power connector 6 with a screwdriver.
13. Twist the valve 7 counter-clockwise 90°.





14. With a finger, hold in the plunger while you pull out the valve. If the plunger comes out, water will be spilled.
15. Replace the valve.

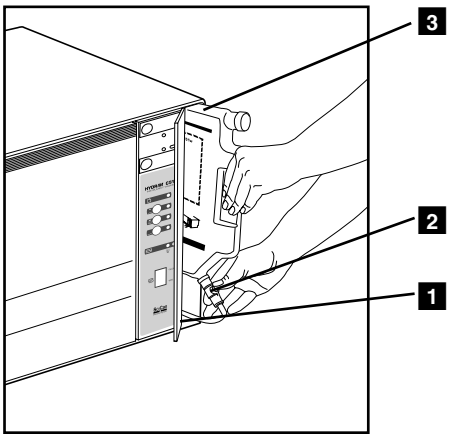
6. Taking Apart and Reassembling the Unit

When the cover is removed:

- Hazardous voltages are accessible. Disconnect the power cord before removing the cover.
- Sharp metal edges are exposed. Be careful, and wear long sleeves and gloves.

6.1 Removing the Cleaning solution container

1. Power **OFF** the unit.
2. Press and release the chemical drawer **1**.
3. Remove the cleaning solution container **3**.
4. Disconnect the chemical connector **2** at the bottom of the bracket.

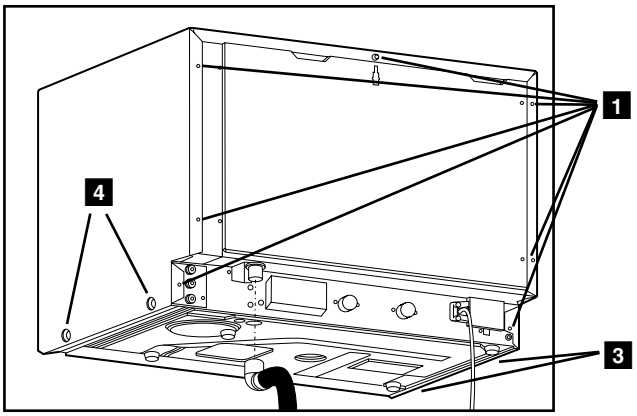


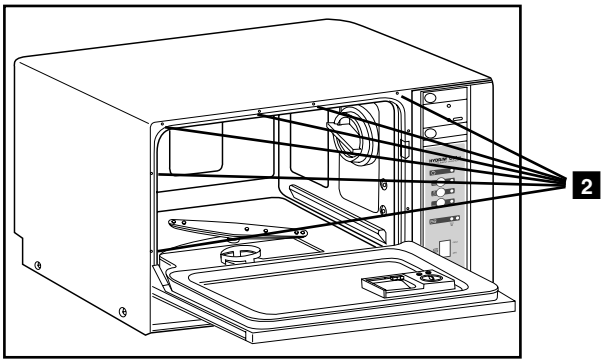
Sharp metal edges are exposed. Be careful, and wear long sleeves.

NOTE: To ensure any cleaning solution spillage is minimized, when removing the cleaning solution container, ensure the nozzles face upwards.

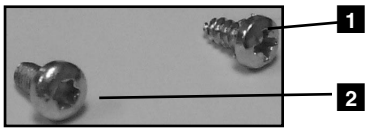
6.2 Removing the Top Panel

1. Power **OFF** the unit, and disconnect the power cord.
2. Remove the screws that secure the top panel:
   - 2 screws **4** on the right cover
   - 2 screws **3** on the left cover
   - 7 Philips washer screws **1** on the back cover: 1 on the top, 3 on the right, 3 on the left
   - 6 Philips flat head machine screws **2** on the inside front of the unit: 4 on the top, 2 on the left (The 2 screws on the right do not secure the top cover.)
3. Rotate the cover and lift it.
4. Remove the insulation on the top and sides.





6.3 Pulling Back the Back Panel

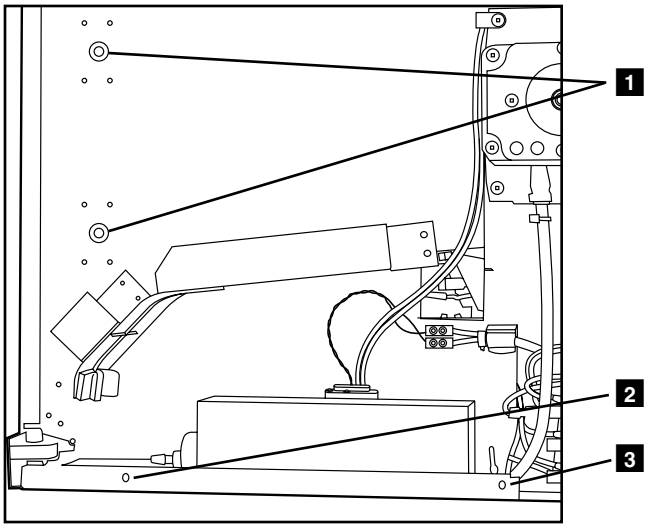


1. Remove the two Philips machine screws **1** at the top of the back cover.

1.1 Remove the screw at the upper left, holding the side bracket.

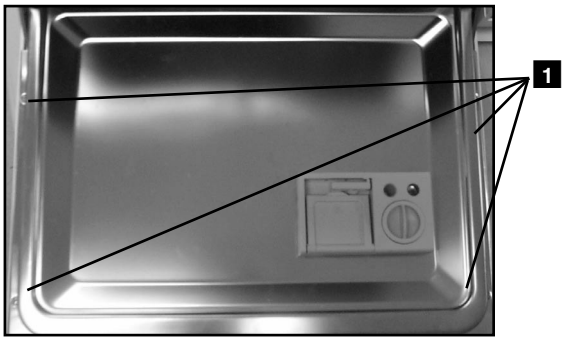
2. Remove the Torx pan screw **2** at the lower left.
3. Pull back the back panel. (You do not need to completely remove it.)
4. Remove the insulation.

6.4 Removing the Side Bracket



1. Remove the two 9/32 nuts **1** at upper front of the bracket.
2. Remove the Torx screw **2** at the lower front of the bracket.
3. Remove the plastite screw **3** at the lower back of the bracket.
4. Remove the bracket.

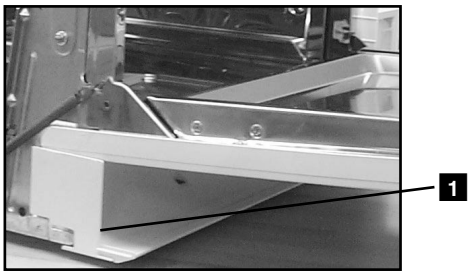
6.5 Removing the Front Door Panel

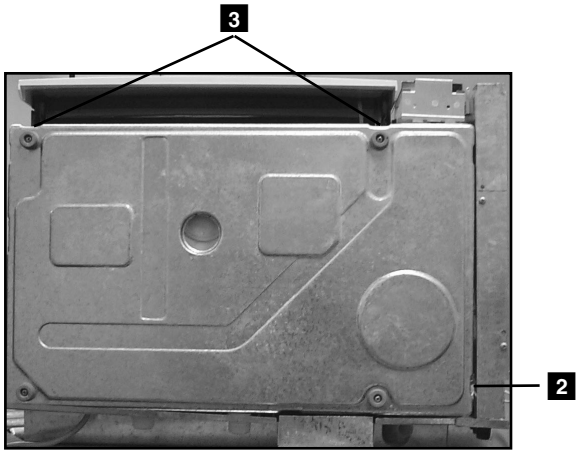


1. Completely open the front door.
2. Remove the four plastite Torx screws **1** on the inside of the front door.
3. Partly close the door.
4. Swing the bootom of the door panel upwards to disconnect the hinge dips from the top of the inner door.

6.6 Removing the Bottom Pan and Kickplate

1. Completely open the front door.
2. Remove the two Torx screws from the kick plate 1.
3. Twist the kick plate and remove it.
4. Drain water from the unit.
5. Remove the three Torx screws on the back panel that connect to the bottom cover.
6. Flip the unit on its back.
7. Remove the Plastite screw 2 on the right side of the unit that connects to the bottom cover.
8. Remove the two Torx machine screws 3 on the front of the unit that connects to the bottom cover.
9. Rotate the bottom cover and slide it **OFF**.
10. Be careful not to damage the overflow float.





7. Parts

Part Number	Description	
1	Seal Door, J	01-107786S
2	Inlet Hose Europe, J	01-107787S
3	Inlet Hose N.A., J	01-107788S
4	Drain Hose, J	01-107789S
5	Dosing Pump, J	01-107790S
6	Valve Salt Regeneration, J	01-107791S
7	Thermoactuator, J	01-107792S
8	Light Power ON, J	01-107793S
9	Pump Recirculation, J	01-107794S
10	Recirculation 2nd Pump, J	01-107795S
11	Drain Pump 230V, 50Hz, J	01-107796S
12	Waste Pump 230V, 60Hz, J	01-107797S
13	Controller, J	01-107798S
14	2A Fuse, J	01-107799S
15	10A Fuse, J	01-107800S
16	Inlet Valve Cold Water, J	01-107801S
17	Switch Full Chamber, J	01-107802S
18	Switch Overflow Chamber, J	01-107803S
19	Lower Wash Arm, J	01-107804S
20	Upper Wash Arm, J	01-107805S
21	Screen Drain, J	01-107806S
22	Filter Drain, J	01-107807S
23	Water Heater, J	01-107808S
24	NC Sensor, J	01-107809S
25	Switch Pressure Heater, J	01-107810S
26	Door Spring Kit, J	01-107811S
27	Clip Door, J	01-107812S
28	Inlet Valve Hot Water, J	01-107815S
29	HYDR*IM* C51w Operator's Manual I, J	01-107837S
30	HYDR*IM* C51w Operator's Manual II, J	01-107838S

8. Set-up and Installation Tips

1	The HYDR*IM* C51w functions properly to a maximum altitude of 2000m/6098ft. above sea level.
2	Inquire about the water hardness in your area from your local water utility. This information is necessary for you to determine whether or not water softening salt and rinse aid will be needed.
3	Prior to installing the unit, the sterilization area should be inspected. The following may be necessary for correct installation (an electrician and/or a plumber may be required): a) A level, water-resistant counter top, preferably close to the water intake and drainage. b) Holes may need to be drilled into the counter top and cabinet to route the hoses, drain tube and power cord. c) The water hoses provided with the unit are 1.9m/6.2ft long with 2cm/3/4inch female fittings. The hot and cold water lines must have taps with corresponding male fittings. A water pressure of 2.5-10 bar/ 35-145psi is required. Ensure the hot and cold water hoses are connected to their respective inlet connectors at the back of the unit. d) The drain tube provided with the unit is 1.4m/4.6ft long with an inner diameter of 2cm/3/4". It should be connected to a drain point below the unit. e) If the unit cannot be installed close to the sink, the water hoses and the drain may need to be extended. Any additional necessary tube, connector and fitting should be acquired prior to installation. Please note that the drain tube should not exceed 3.3m/13ft. Make sure that the extension hoses for cold and hot water can withstand the water line pressure. f) A power outlet of 220V/10A with proper grounding is required for the unit. The power cord of the unit is 1.8m/6ft long.
4	The HYDR*IM* C51w is heavy (78lbs). Seek assistance when lifting and installing the unit.
5	When connecting the water hoses, the connector with the elbow connects to the back of the unit. The washer with the screen goes into the connector at the other end of the hose.
6	Ensure the voltage and frequency of the power outlet are the same as detailed on the label of the unit.
7	Ensure the HYDR*IM* C51w cleaning solution are available.
8	After loading the Cleaning Solution, ensure that the connector is snug and the chemical doesn't leak.
9	Turn the water taps open, plug in the unit and run a cycle. Check the water and drain connections at both ends for leaks.

Service Report Form

Model: _____

Serial Number: _____

Date: _____

Location: _____

Problem: _____

_____

_____

Solution: _____

_____

_____

Routine Maintenance Performed:

___ Filters

___ Washer arms

___ Hoses

Note: SciCan may provide you with a more detailed form.