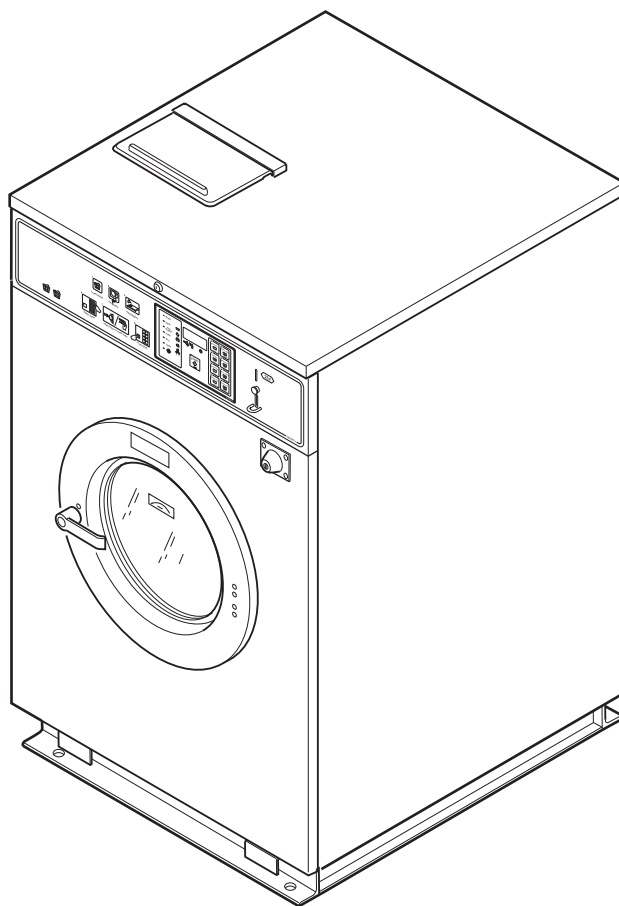


Washer-Extractor

Cabinet Hardmount
A and B-Control

Refer to Page 8 for Model Numbers



CHM1760C

Troubleshooting

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Section 1

Safety Information

Throughout this manual and on machine decals, you will find precautionary statements (“CAUTION,” “WARNING,” and “DANGER”) followed by specific instructions. These precautions are intended for the personal safety of the operator, user, servicer and those maintaining the machine.

DANGER

Danger indicates the presence of a hazard that **will** cause **severe** personal injury, death or substantial property damage if the danger is ignored.

WARNING

Warning indicates the presence of a hazard that **can** cause **severe** personal injury, death or substantial property damage if the warning is ignored.

CAUTION

Caution indicates the presence of a hazard that **will** or **can** cause **minor** personal injury or property damage if the caution is ignored.

Additional precautionary statements (“IMPORTANT” and “NOTE”) are followed by specific instructions.

IMPORTANT


The word “IMPORTANT” is used to inform the reader of specific procedures where minor machine damage will occur if the procedure is not followed.

NOTE

The word “NOTE” is used to communicate installation, operation, maintenance or servicing information that is important but not hazard related.

General Safety Precautions

In the interest of safety, some general precautions relating to the operation of this machine follow.

	<h2>WARNING</h2>
<ul style="list-style-type: none">• Failure to install, maintain and/or operate this product according to the manufacturer’s instructions may result in conditions which can produce serious injury, death and/or property damage.• Do not repair or replace any part of the product or attempt any servicing unless specifically recommended or published in this Service Manual and unless you understand and have the skills to carry out the servicing.• Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the product is properly grounded and to reduce the risk of fire, electric shock, serious injury or death. <p style="text-align: right;">W006R2</p>	



WARNING

To reduce the risk of electric shock, fire, explosion, serious injury or death:

- Disconnect electric power to the washer-extractor before servicing.
- Never start the washer-extractor with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the washer-extractor is properly grounded.

W460



WARNING

Repairs that are made to your products by unqualified persons can result in hazards due to improper assembly or adjustments subjecting you, or the inexperienced person making such repairs, to the risk of serious injury, electrical shock, or death.

W007



WARNING

If you or an unqualified person perform service on your product, you must assume the responsibility for any personal injury or property damage which may result. The manufacturer will not be responsible for any injury or property damage arising from improper service and/or service procedures.

W008

Always contact your dealer, distributor, service agent or the manufacturer about any problems or conditions you do not understand.

Important Safety Instructions



WARNING

To reduce the risk of fire, electric shock, serious injury or death to persons when using your washer, follow these basic precautions:

W023


1. Read all instructions before using the washer.
2. Refer to the GROUNDING INSTRUCTIONS in the INSTALLATION manual (supplied with your washer-extractor) for the proper grounding of the washer-extractor.
3. Do not wash textiles that have been previously cleaned in, washed in, soaked in or spotted with gasoline, kerosene, waxes, cooking oils, dry-cleaning solvents or other flammable or explosive substances. They give off vapors that could ignite or explode.
4. Do not add gasoline, dry-cleaning solvents or other flammable or explosive substances to the wash water. These substances give off vapors that could ignite or explode.
5. Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for two weeks or more. HYDROGEN GAS IS EXPLOSIVE. If the hot water system has not been used for such a period, before using a washer-extractor, turn on all hot water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. The gas is flammable. Do not smoke or use an open flame during this time.

Safety Information


6. Do not allow children to play on or in a washer. Close supervision of children is necessary when the washer is used near children.
7. Before the washer is removed from service or discarded, remove the door to the washing compartment.
8. Do not reach into the washer if the wash drum is moving.
9. Do not install or store the washer where it will be exposed to water and/or weather.
10. Do not tamper with the controls.
11. Do not repair or replace any part of the washer or attempt any servicing unless specifically recommended in the user-maintenance instructions or in published user-repair instructions that the user understands and has the skills to carry out.
12. To reduce the risk of an electrical shock or fire, DO NOT use an extension cord or an adapter to connect the washer to an electrical power source.
13. Use the washer only for its intended purpose, washing clothes.
14. Never wash machine parts or automotive parts in the machine. This could result in serious damage to the basket.
15. ALWAYS disconnect the washer from its electrical supply before attempting any service.
16. Install the washer according to the INSTALLATION INSTRUCTIONS. All connections for water, drain, electrical power and grounding must comply with local codes and, when required, be made by licensed personnel.
17. To reduce the risk of fire, textiles which have traces of any flammable substances such as vegetable oil, cooking oil, machine oil, flammable chemicals, thinner, etc. or anything containing wax or chemicals such as in mops or cleaning cloths, must not be put into the washer. These flammable substances may cause the fabric to ignite.
18. Do not use fabric softeners or products to eliminate static unless recommended by the manufacturer of the fabric softener or product.
19. Keep the washer in good condition. Bumping or dropping the washer can damage its safety features. If this occurs, have the washer checked by a qualified service person.
20. If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.
21. Be sure that water connections have a shut-off valve and that fill hose connections are tight. CLOSE the shut-off valves at the end of each wash day.
22. The loading door MUST BE CLOSED any time the washer is to fill, tumble or spin. DO NOT bypass the loading door switch and permit the washer to operate with the loading door open.
23. Always read and follow the manufacturer's instructions on packages of laundry and cleaning aids. Heed all warnings and precautions. To reduce the risk of poisoning or chemical burns, keep them out of the reach of children at all times (preferably in a locked cabinet).
24. Always follow the fabric care instructions supplied by the textile manufacturer.
25. Never operate the washer with any guards and/or panels removed.
26. DO NOT operate the washer with missing or broken parts.
27. DO NOT bypass any safety devices.
28. Failure to install, maintain and/or operate this washer according to the manufacturer's instructions may result in conditions that can produce bodily injury and/or property damage.


NOTE: The WARNING and IMPORTANT SAFETY INSTRUCTIONS appearing in this manual are not meant to cover all possible conditions and situations that may occur. Common sense, caution and care must be exercised when installing, maintaining and operating the washer-extractor.


Any problems or conditions not understood should be reported to the dealer, distributor, service agent or the manufacturer.

	WARNING
<p>This machine must be installed, adjusted, and serviced by qualified electrical maintenance personnel familiar with the construction and operation of this type of machinery. They must also be familiar with the potential hazards involved. Failure to observe this warning may result in personal injury and/or equipment damage, and may void the warranty.</p>	
SW004	

IMPORTANT: Ensure that the recommended clearances for inspection and maintenance are provided. Never allow the inspection and maintenance space to be blocked.

	WARNING
<p>Install the machine on a level floor of sufficient strength. Failure to do so may result in conditions which can produce serious injury, death and/or property damage.</p>	
W703	

	CAUTION
<p>Be careful around the open door, particularly when loading from a level below the door. Impact with door edges can cause personal injury.</p>	
SW025	

	WARNING
<p>Never touch internal or external steam pipes, connections, or components. These surfaces can be extremely hot and will cause severe burns. The steam must be turned off and the pipe, connections, and components allowed to cool before the pipe can be touched.</p>	
SW014	

Safety Decals

Safety decals appear at crucial locations on the machine. Failure to maintain legible safety decals could result in injury to the operator or service technician.

To provide personal safety and keep the machine in proper working order, follow all maintenance and safety procedures presented in this manual. If questions regarding safety arise, contact the manufacturer immediately.

Use manufacturer-authorized spare parts to avoid safety hazards.

Safety Information


Operator Safety

	WARNING
NEVER insert hands or objects into basket until it has completely stopped. Doing so could result in serious injury.	
SW012	

To ensure the safety of machine operators, the following maintenance checks must be performed daily:

1. Prior to operating the machine, verify that all warning signs are present and legible. Missing or illegible signs must be replaced immediately. Make certain that spares are available.
2. Check door interlock before starting operation of the machine:
 - a. Attempt to start the machine with the door open. The machine should not start with the door open.
 - b. Close the door without locking it and attempt to start the machine. The machine should not start with the door unlocked.
 - c. Close and lock the door and start a cycle. Attempt to open the door while the cycle is in progress. The door should not open.If the door lock and interlock are not functioning properly, call a service technician.
3. Do not attempt to operate the machine if any of the following conditions are present:
 - a. The door does not remain securely locked during the entire cycle.
 - b. Excessively high water level is evident.
 - c. Machine is not connected to a properly grounded circuit.

Do not bypass any safety devices in the machine.

	WARNING
Never operate the machine with a bypassed or disconnected balance system. Operating the machine with severe out-of-balance loads could result in personal injury and serious equipment damage.	
SW039	

Section 2

Introduction

Customer Service

Alliance Laundry Systems is not responsible for personal injury or property damage resulting from improper service. Review all service information before beginning repairs.

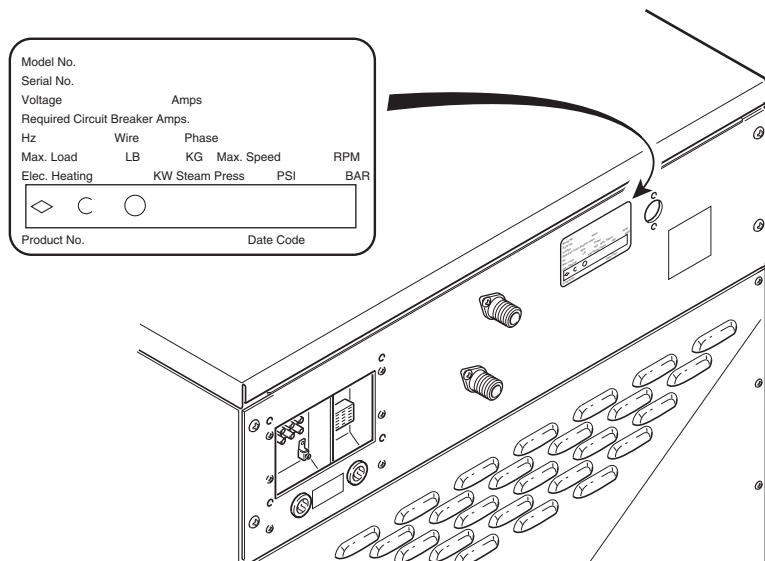
If literature or replacement parts are required, contact the source from whom the machine was purchased or contact Alliance Laundry Systems at (920) 748-3950 for the name of the nearest authorized parts distributor.

For technical assistance, call the following number:

Ripon, Wisconsin U.S.A.
(920) 748-3121

Nameplate Location

When calling or writing about your product, be sure to mention model and serial numbers. Model and serial numbers are located on nameplate(s) as shown.



CHM2411P

Introduction

Model Identification

Information in this manual is applicable to these washer-extractors.

DC20AC2	HC40AY2	HC80BLV	SC30BX2	SC60BLF
DC30AC2	HC40BC2	HC80BNV	SC30BY2	SC60BN2
DC40AC2	HC40BL2	HC80BXV	SC40AC2	SC60BNF
DC60AC2	HC40BN2	HC80BYV	SC40ACV	SC60BX2
HC20AC2	HC40BX2	HC125BCV	SC40AL2	SC60BXF
HC20ACV	HC40BY2	HC125BYV	SC40AN2	SC60BY2
HC20AL2	HC50BC2	SC20AC2	SC40ANV	SC60BYF
HC20AX2	HC50BL2	SC20AL2	SC40AX2	SC80ACV
HC20AY2	HC50BN2	SC20ACV	SC40AY2	SC80ALV
HC20BC2	HC50BX2	SC20AN2	SC40AYV	SC80ANV
HC20BL2	HC50BY2	SC20AX2	SC40BC2	SC80AXV
HC20BN2	HC60AC2	SC20AY2	SC40BL2	SC80AYV
HC20BX2	HC60ACF	SC20AYV	SC40BN2	SC80BCV
HC20BY2	HC60ACV	SC20BC2	SC40BX2	SC80BLV
HC25AC2	HC60AL2	SC20BL2	SC40BY2	SC80BNV
HC25AL2	HC60ALF	SC20BN2	SC50BC2	SC80BXV
HC25AX2	HC60AX2	SC20BX2	SC50BL2	SC80BYV
HC25AY2	HC60AXF	SC20BY2	SC50BN2	SC125ANV
HC25BC2	HC60AY2	SC25AC2	SC50BX2	SC125BYV
HC25BL2	HC60AYF	SC25AL2	SC50BY2	UC20AN2
HC25BX2	HC60BC2	SC25AX2	SC60AC2	UC20BN2
HC25BY2	HC60BCF	SC25AY2	SC60ACF	UC30AN2
HC30AC2	HC60BL2	SC25BC2	SC60ACV	UC30BN2
HC30ACV	HC60BLF	SC25BL2	SC60AL2	UC40AN2
HC30AL2	HC60BN2	SC25BX2	SC60ALF	UC40ANV
HC30AX2	HC60BNF	SC25BY2	SC60AN2	UC40BN2
HC30AY2	HC60BX2	SC30AC2	SC60ANF	UC50BN2
HC30BC2	HC60BXF	SC30ACV	SC60ANV	UC60AN2
HC30BL2	HC60BY2	SC30AL2	SC60AX2	UC60ANV
HC30BN2	HC60BYF	SC30AN2	SC60AXF	UC60BN2
HC30BX2	HC80ACV	SC30AX2	SC60AY2	UC60BNF
HC30BY2	HC80ALV	SC30AY2	SC60AYF	UC80ANV
HC40AC2	HC80ANV	SC30AYV	SC60AYV	UC80BNV
HC40ACV	HC80AXV	SC30BC2	SC60BC2	UC125ANV
HC40AL2	HC80AYV	SC30BL2	SC60BCF	
HC40AX2	HC80BCV	SC30BN2	SC60BL2	

Section 3

Theory of Operation

Starting the Machine

The door lock will not allow a cycle to be started until the door has been closed.

Fill

The operator selects a cycle and starts the machine. Water enters the machine through water valves that are controlled by the microcomputer. As water fills the basket, a column of air is trapped in a pressure bulb and hose. The air pressure continues to increase as the basket fills with water. When the desired water level is reached, the water level switch triggers the microcomputer and the water valves turn off.

A vacuum breaker installed in the inlet plumbing prevents the backflow of water.

Supply

The operator can either connect external liquid supplies to the machine or fill the supply dispenser with liquid or dry supplies. The supply dispenser's nozzles flush the compartments with water at the appropriate times throughout a cycle.

Wash

The basket includes ribs that lift the laundry from the wash water. The laundry then tumbles back into the bath.

In 2-speed and variable-speed models, 1 dual-speed motor drives the basket's shaft with a V-belt. In 3-speed models, 2 motors drive the basket's cylinder with a V-belt.

18-60 pound capacity models use 2 bearings that are held in place by a single cast-iron trunnion that is bolted to the frame. 80 and 125-pound capacity models use 2 flange-type bearing that are bolted to the frame.

Drain

Cabinet Hardmount washer-extractors use a normally open gravity-type drain system. No pump is used. When the drain valve opens, the perforated basket allows water to drain from it.

In the event of a power failure, the drain valve will open automatically and the machine will drain.

Extract

A final high-speed extract step removes water from the load, which maximizes drying efficiency.

The door lock system will not allow the door to be opened until the cycle has finished.

Section 4

Troubleshooting



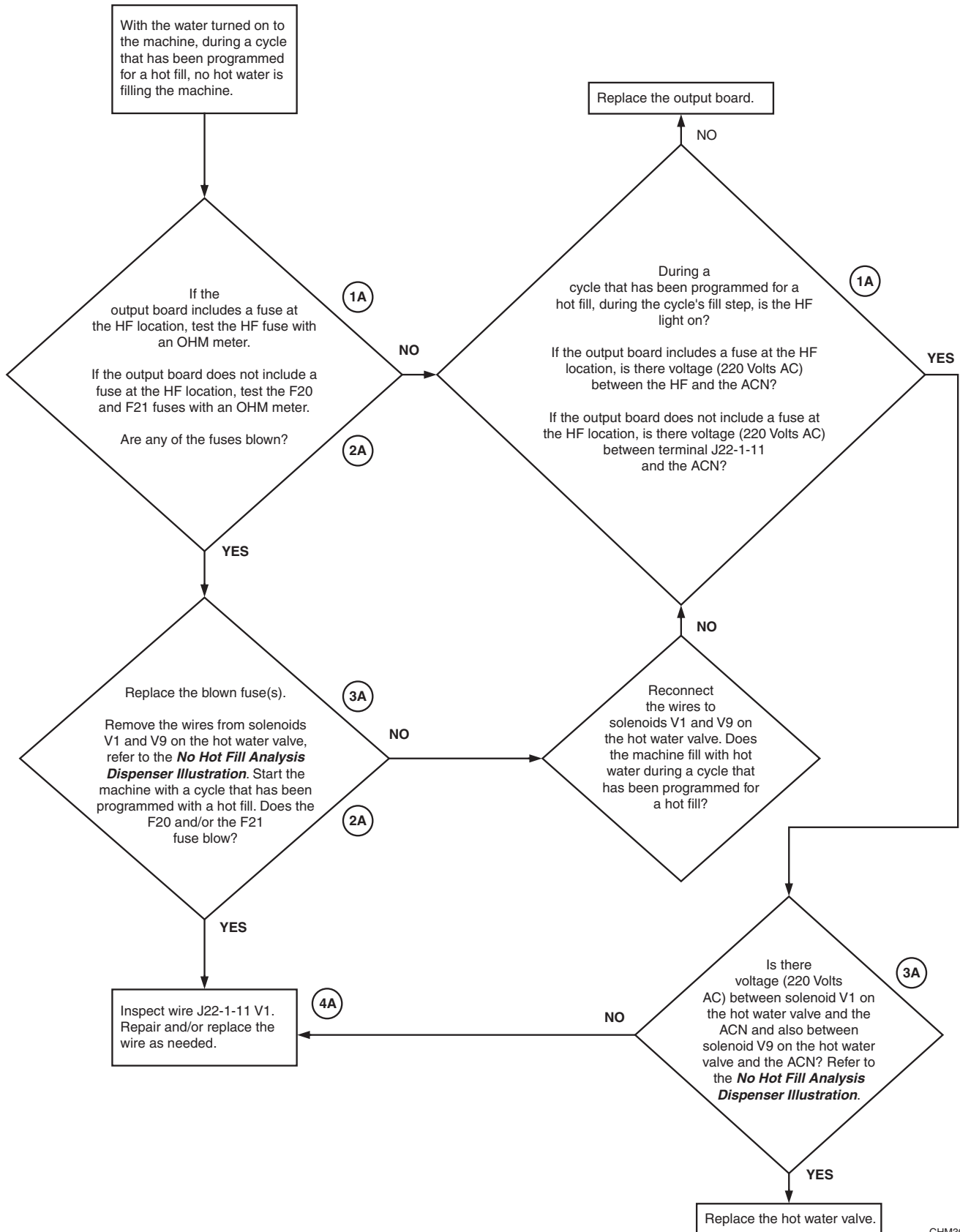
WARNING

To reduce the risk of electrical shock, fire, explosion, serious injury or death:

- Disconnect electrical power to the washer-extractor before servicing it.
- Close the gas shut-off valve to the washer-extractor (when applicable) before servicing it.
- Never start the washer-extractor with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the washer-extractor is properly grounded.

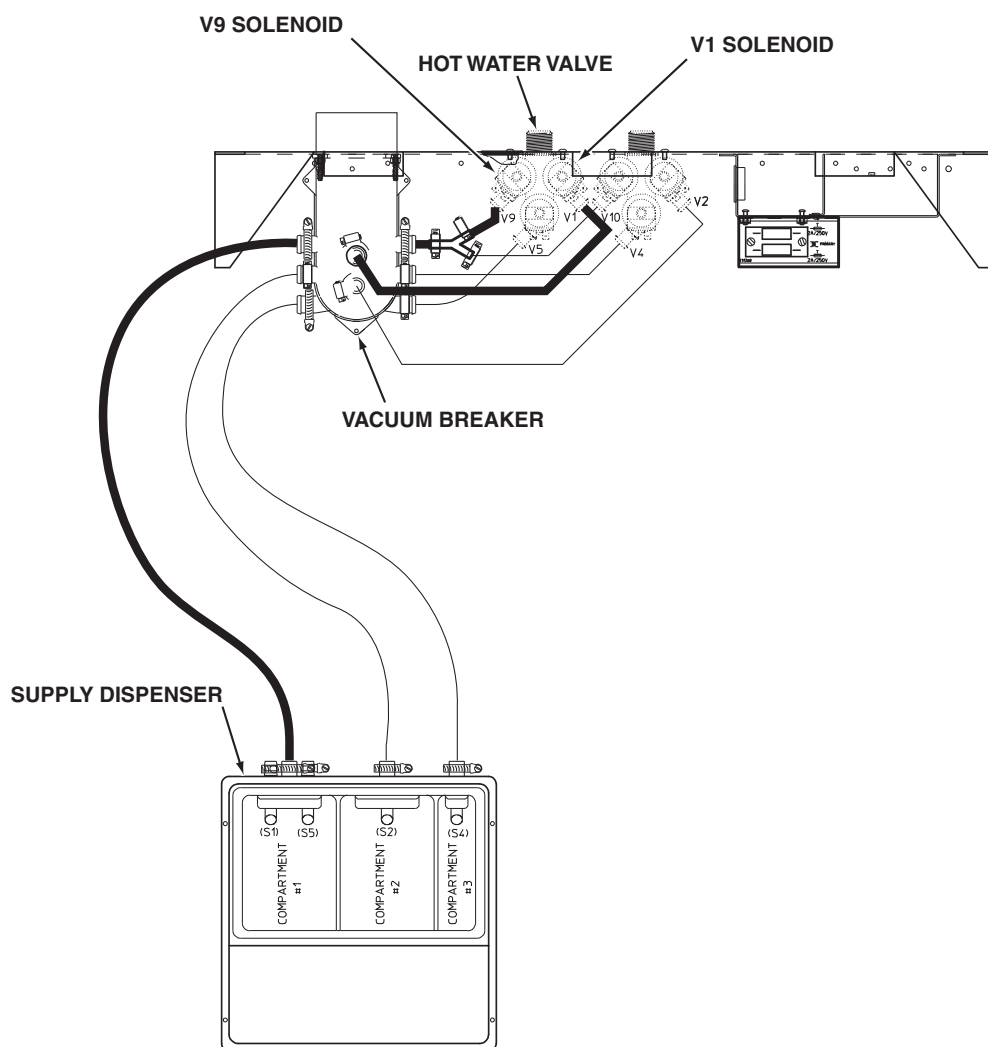
W461R1

1. No Hot Fill Analysis



CHM368S

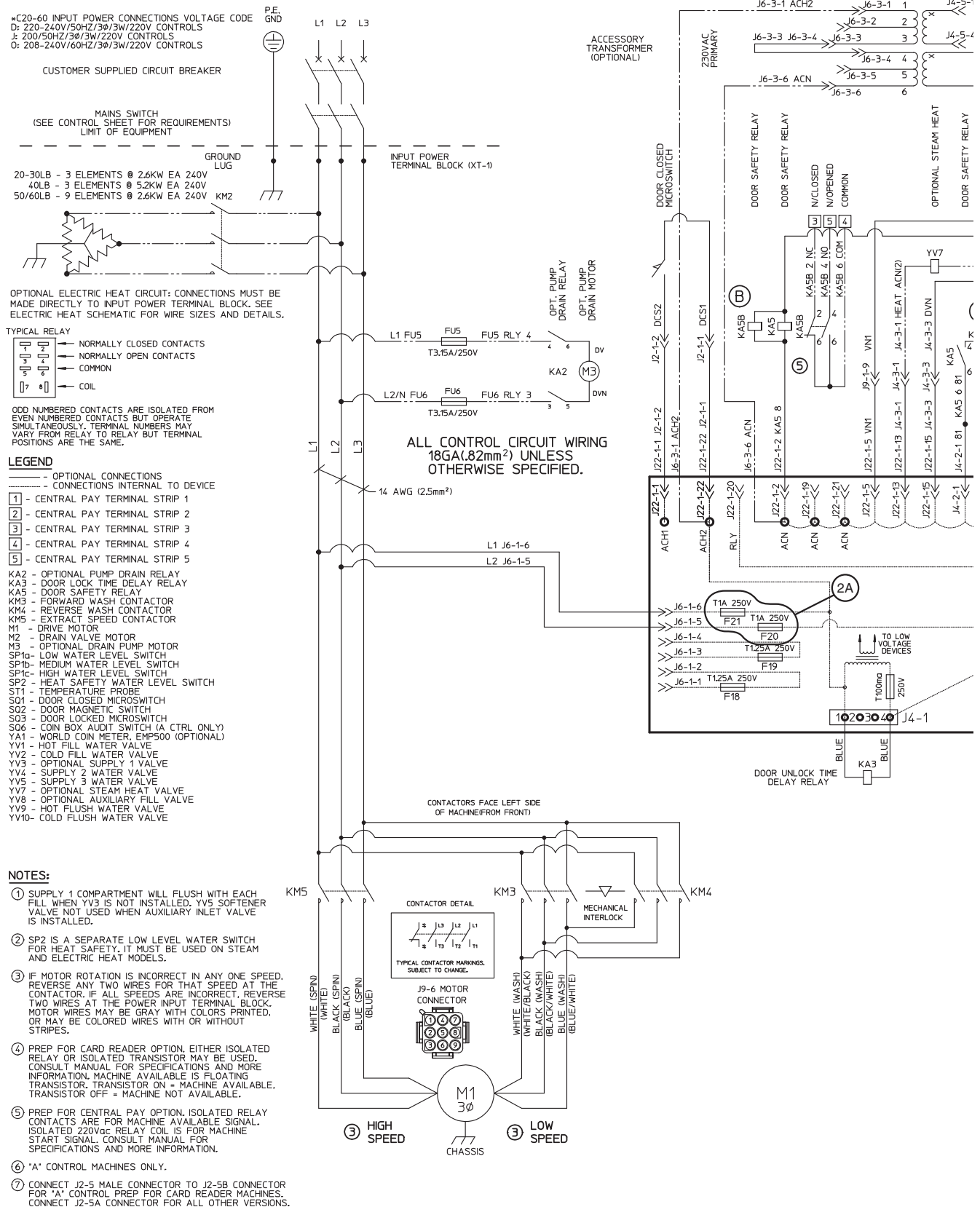
No Hot Fill Analysis Dispenser Illustration



CHM370S

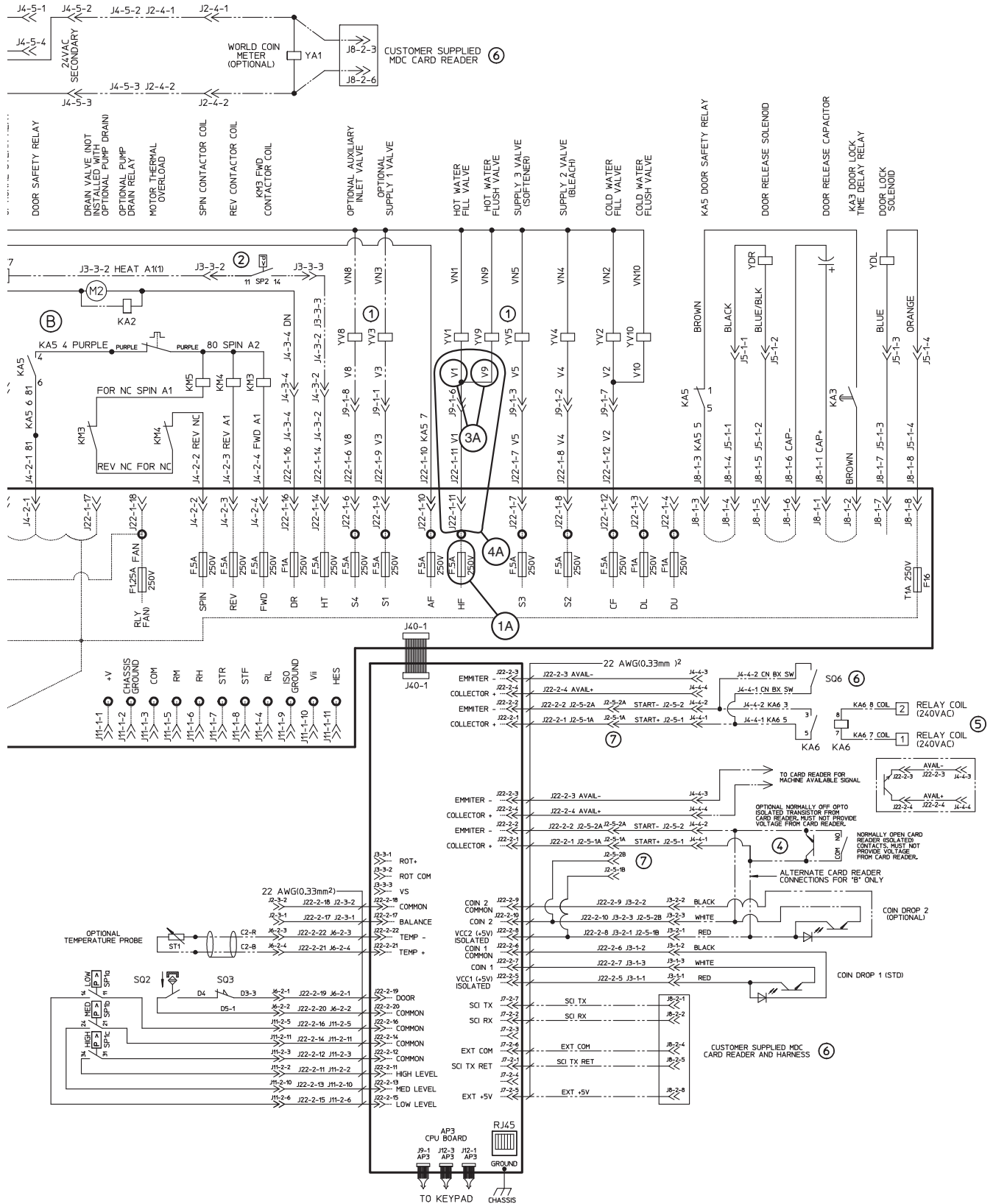
Please refer to the following 2 pages for wiring diagram information.

No Hot Fill Analysis (Sheet 1 of 2)



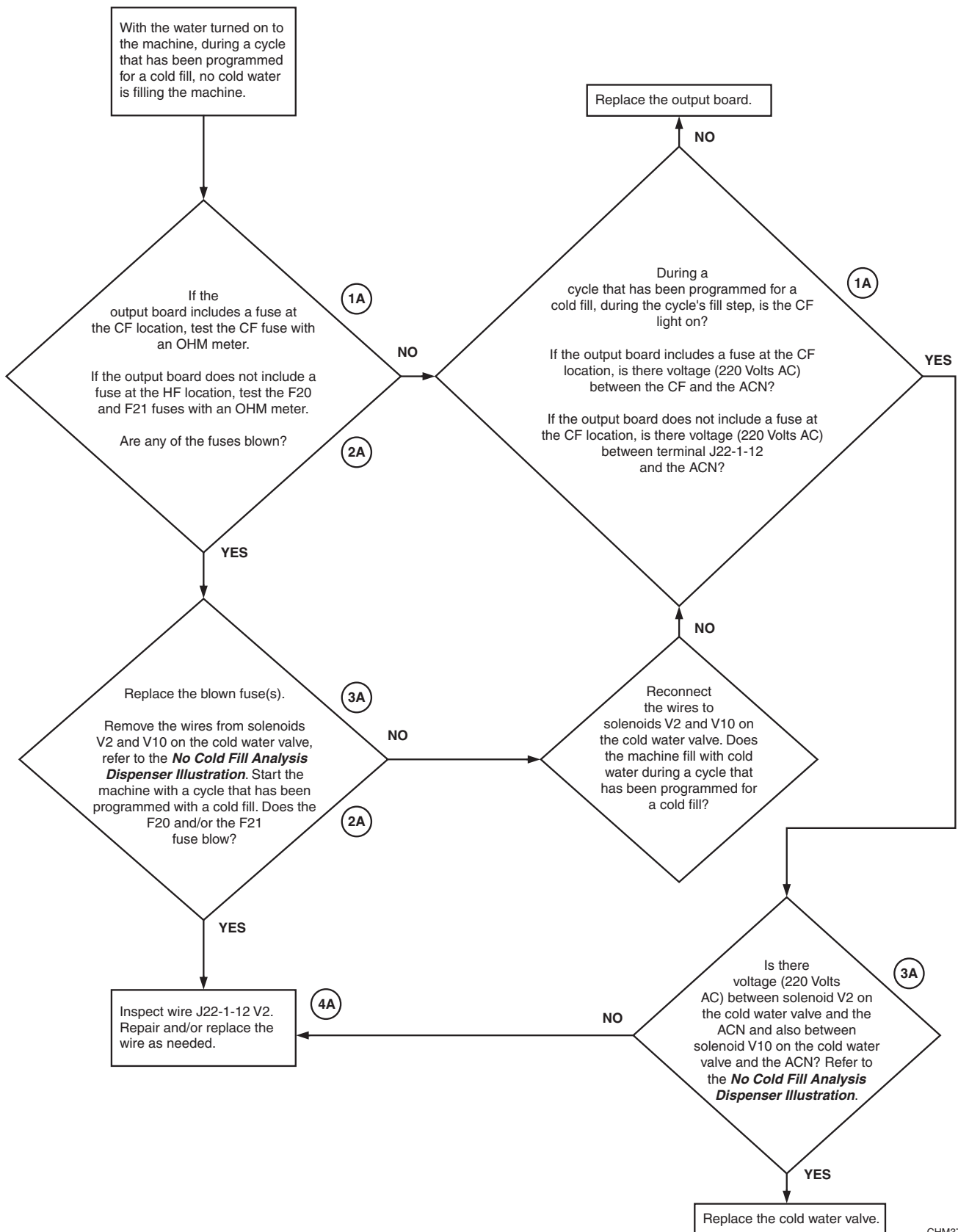
NOTE: Refer to the wiring diagram supplied with your machine.

No Hot Fill Analysis (Sheet 2 of 2)



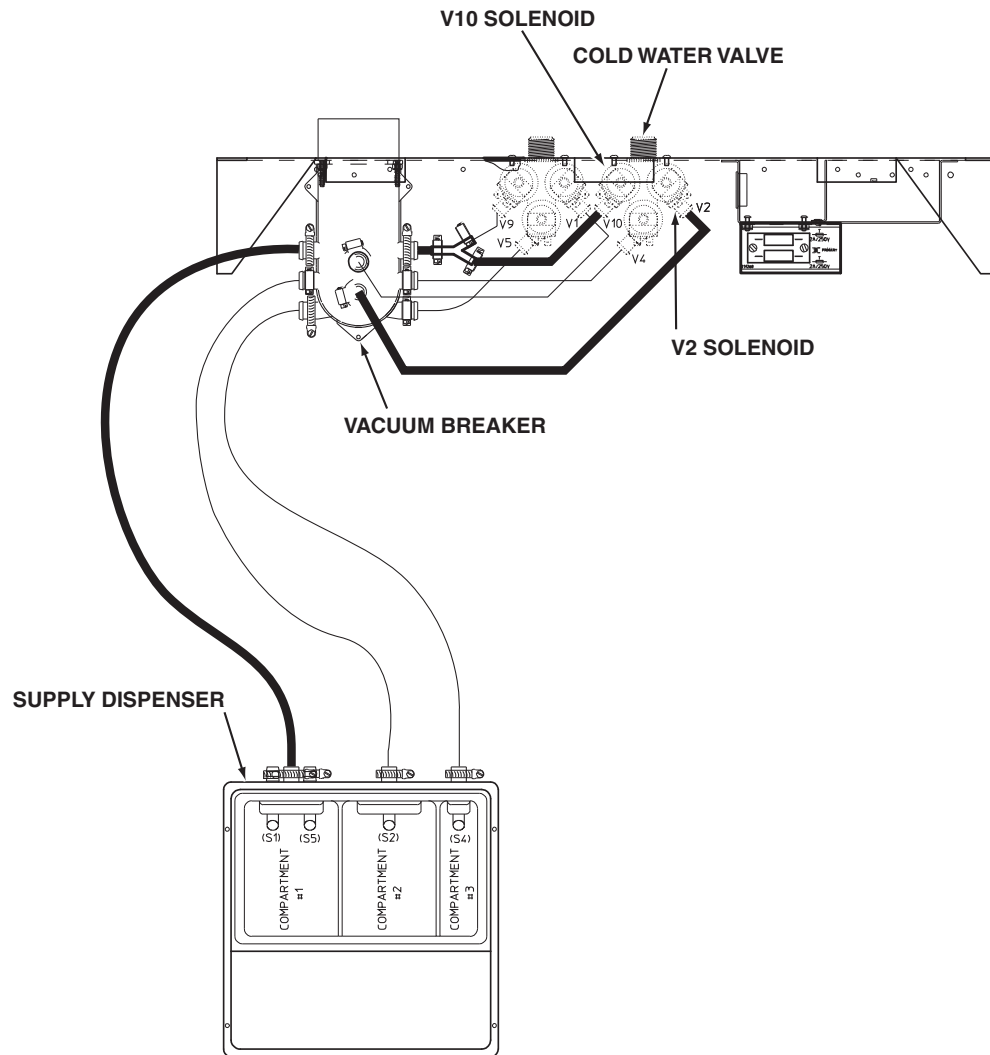
CHM369S

2. No Cold Fill Analysis



CHM371S

No Cold Fill Analysis Dispenser Illustration

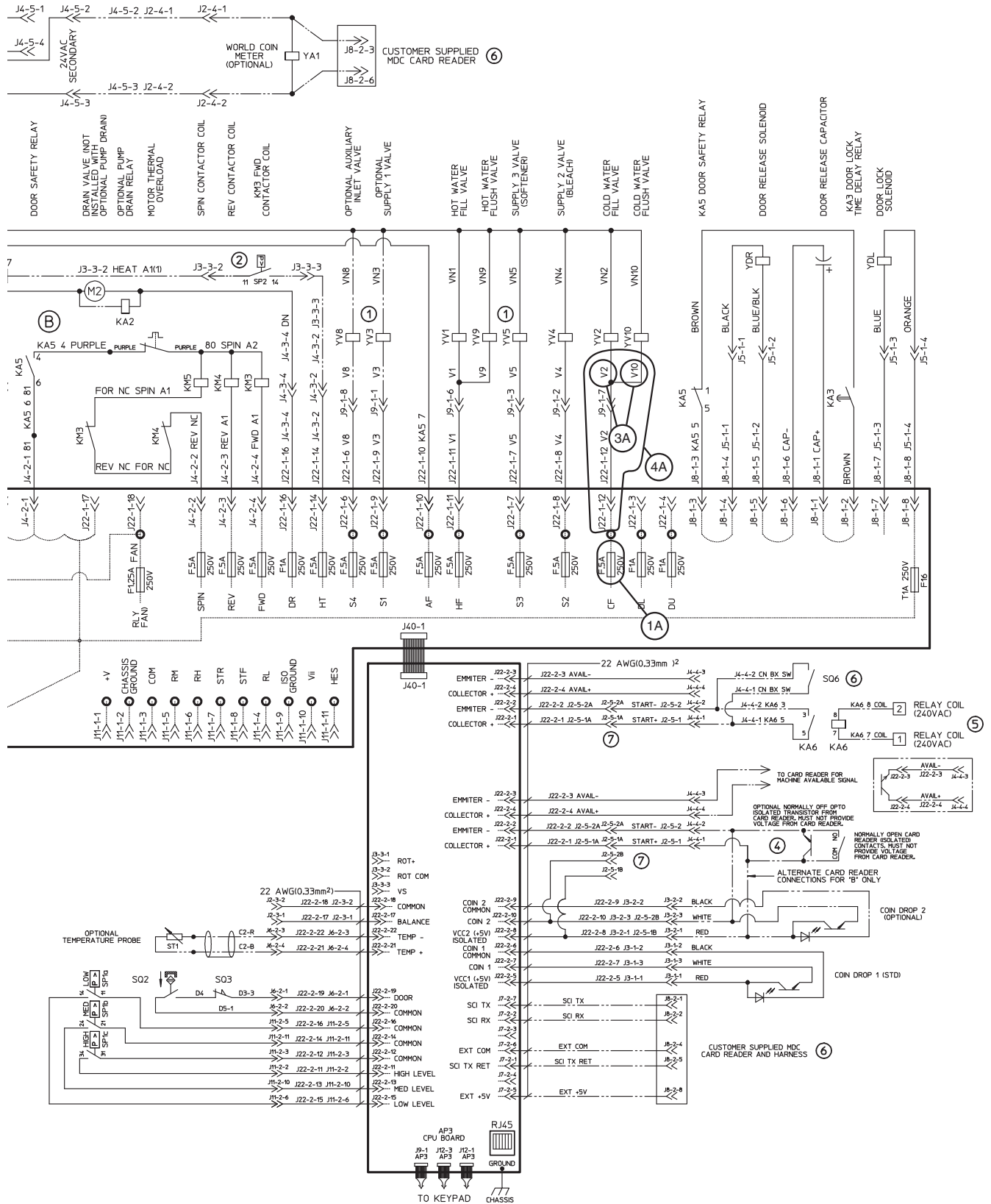


CHM373S

Please refer to the following 2 pages for wiring diagram information.

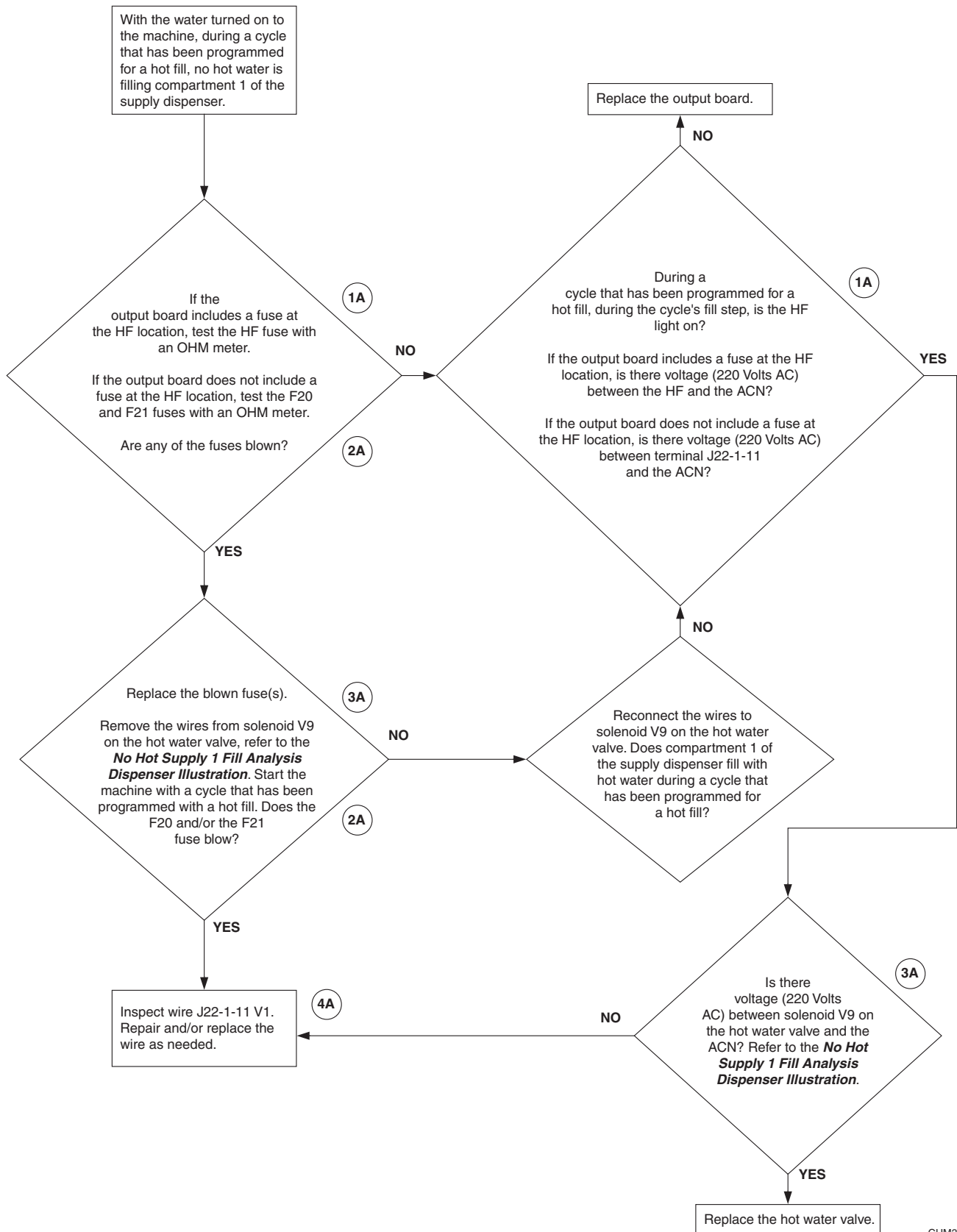


No Cold Fill Analysis (Sheet 2 of 2)



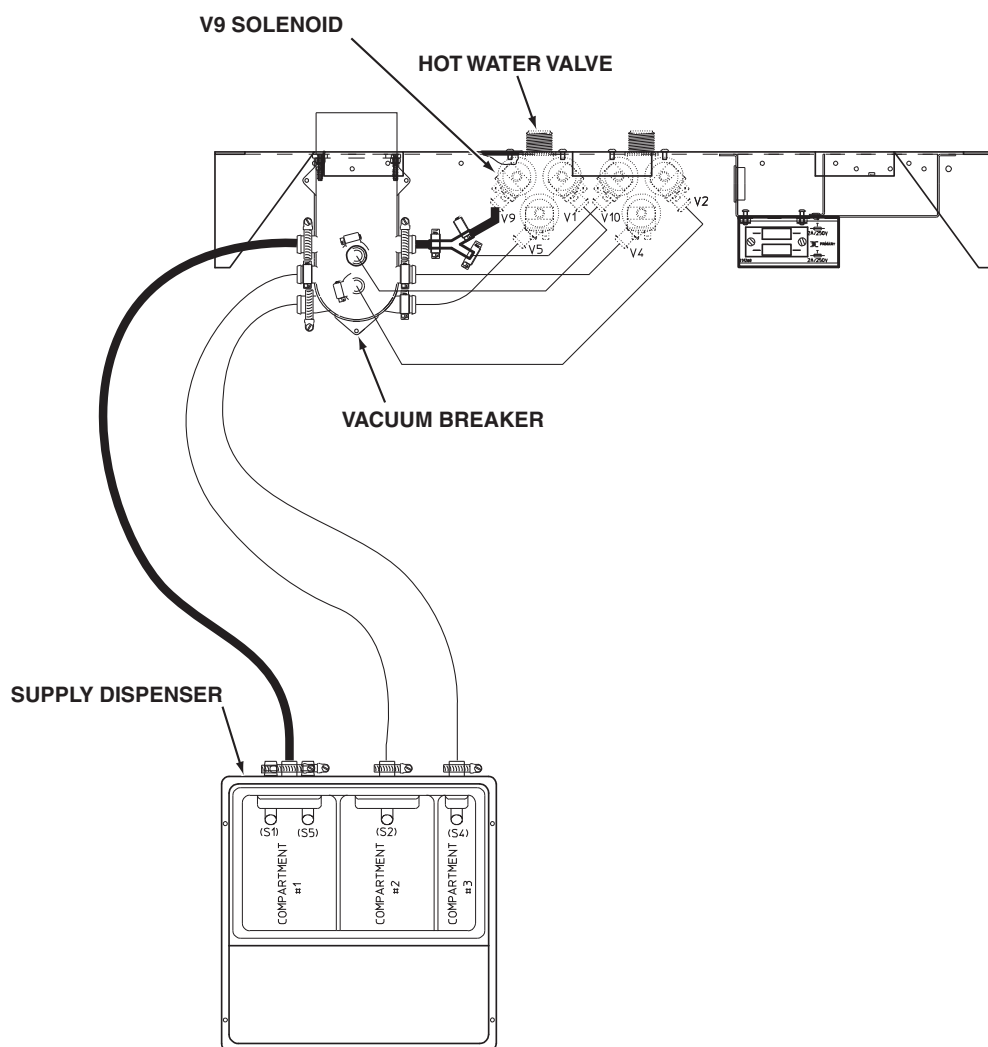
CHM372S

3. No Hot Supply 1 Fill Analysis



CHM374S

No Hot Supply 1 Fill Analysis Dispenser Illustration

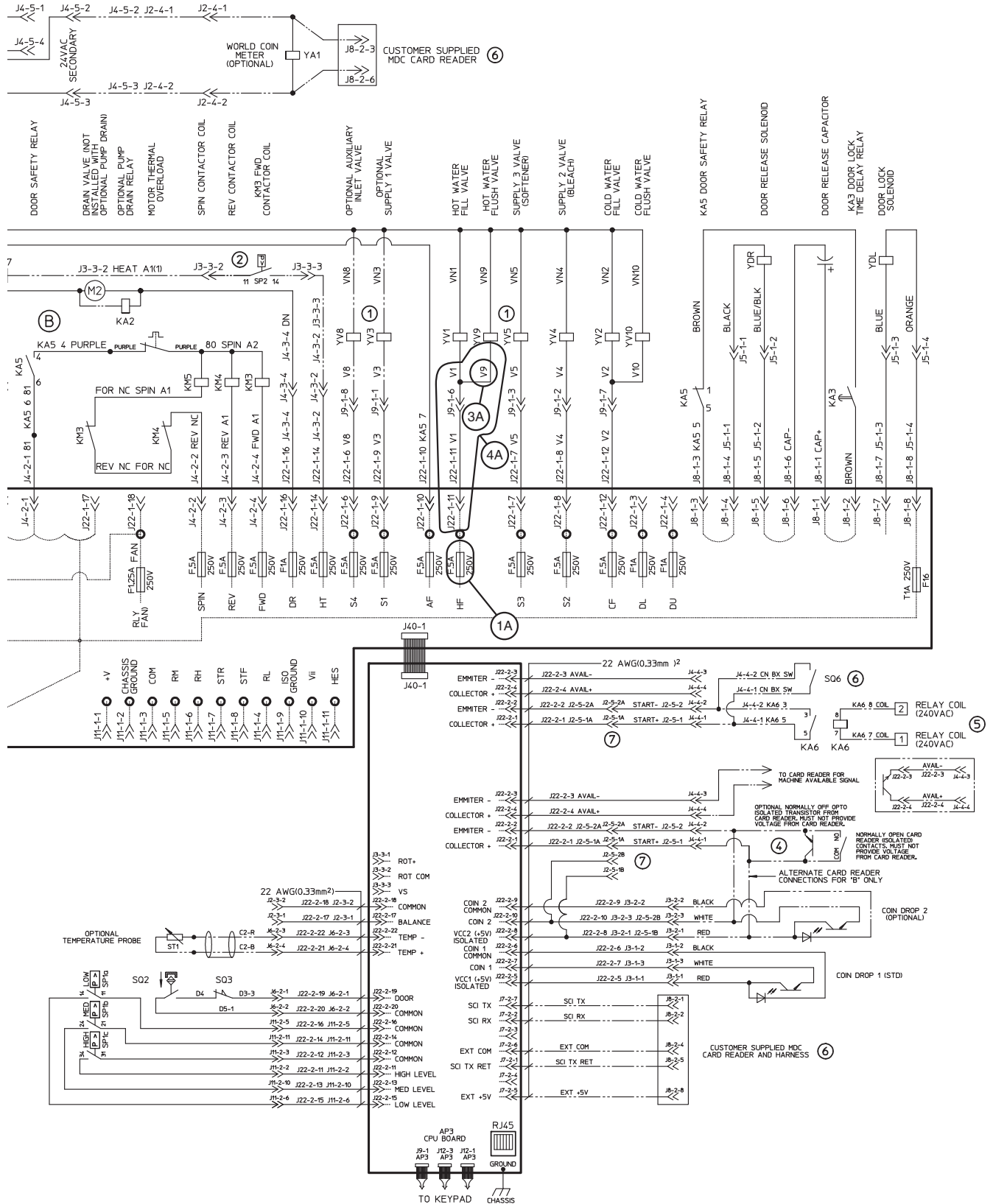


CHM376S

Please refer to the following 2 pages for wiring diagram information.

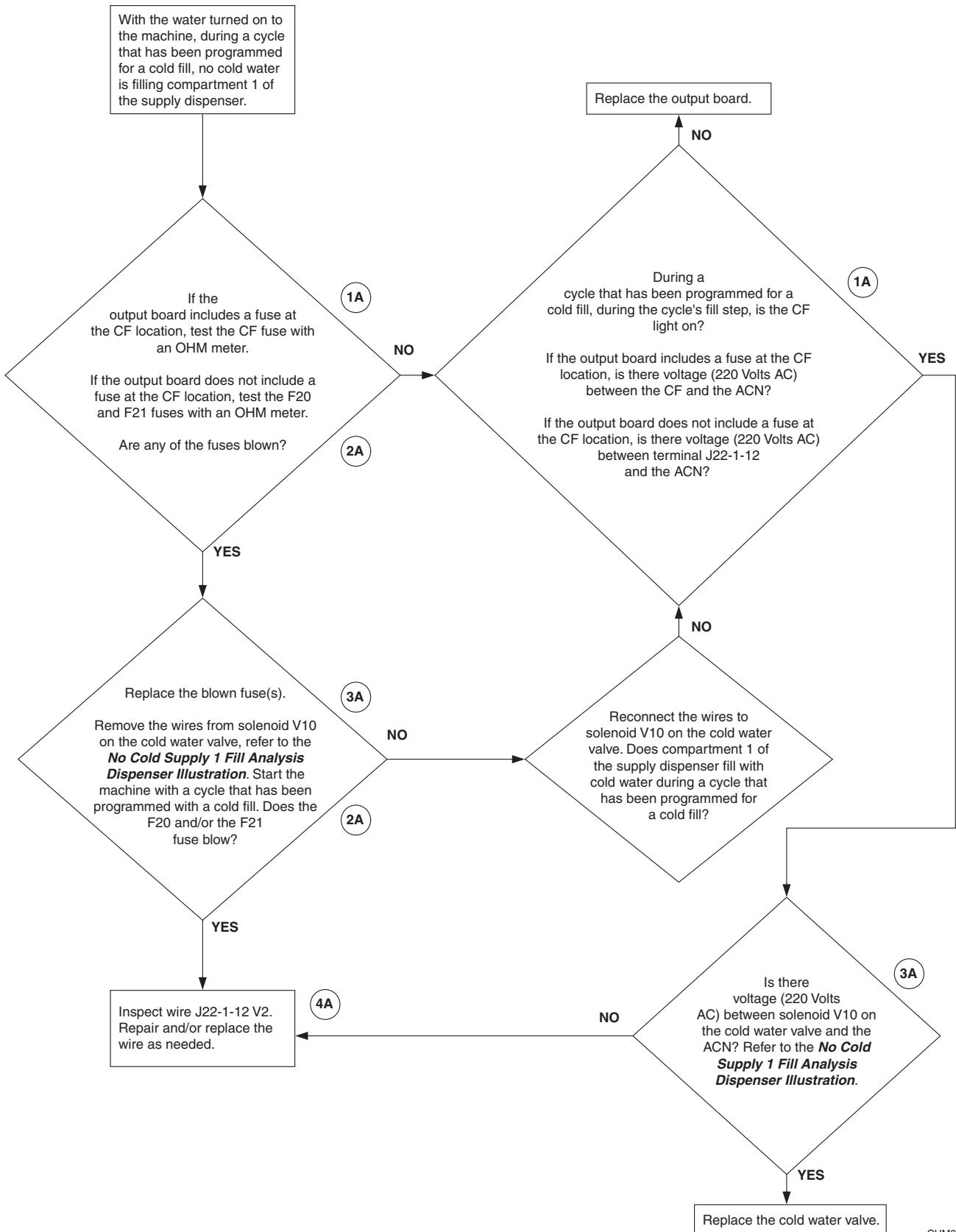


No Hot Supply 1 Fill Analysis (Sheet 2 of 2)



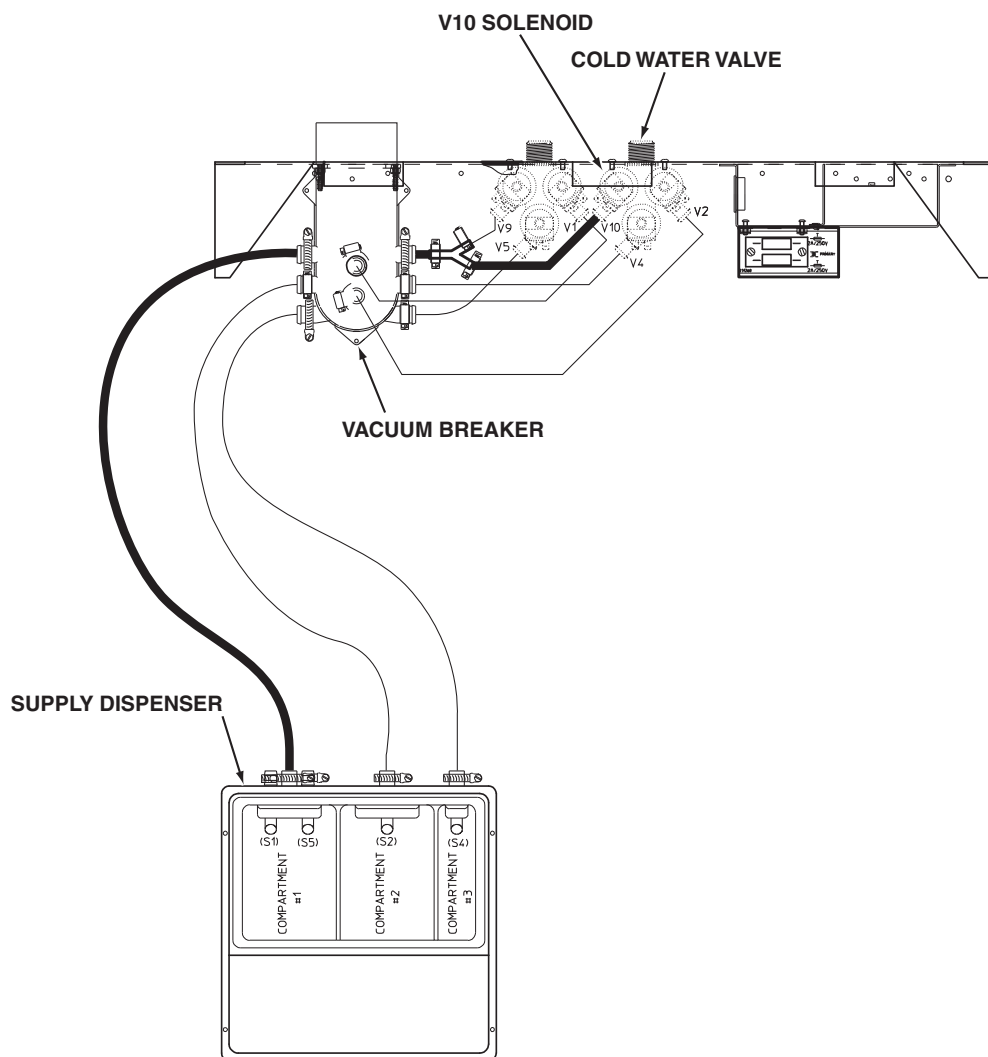
CHM375S

4. No Cold Supply 1 Fill Analysis



CHM377S

No Cold Supply 1 Fill Analysis Dispenser Illustration

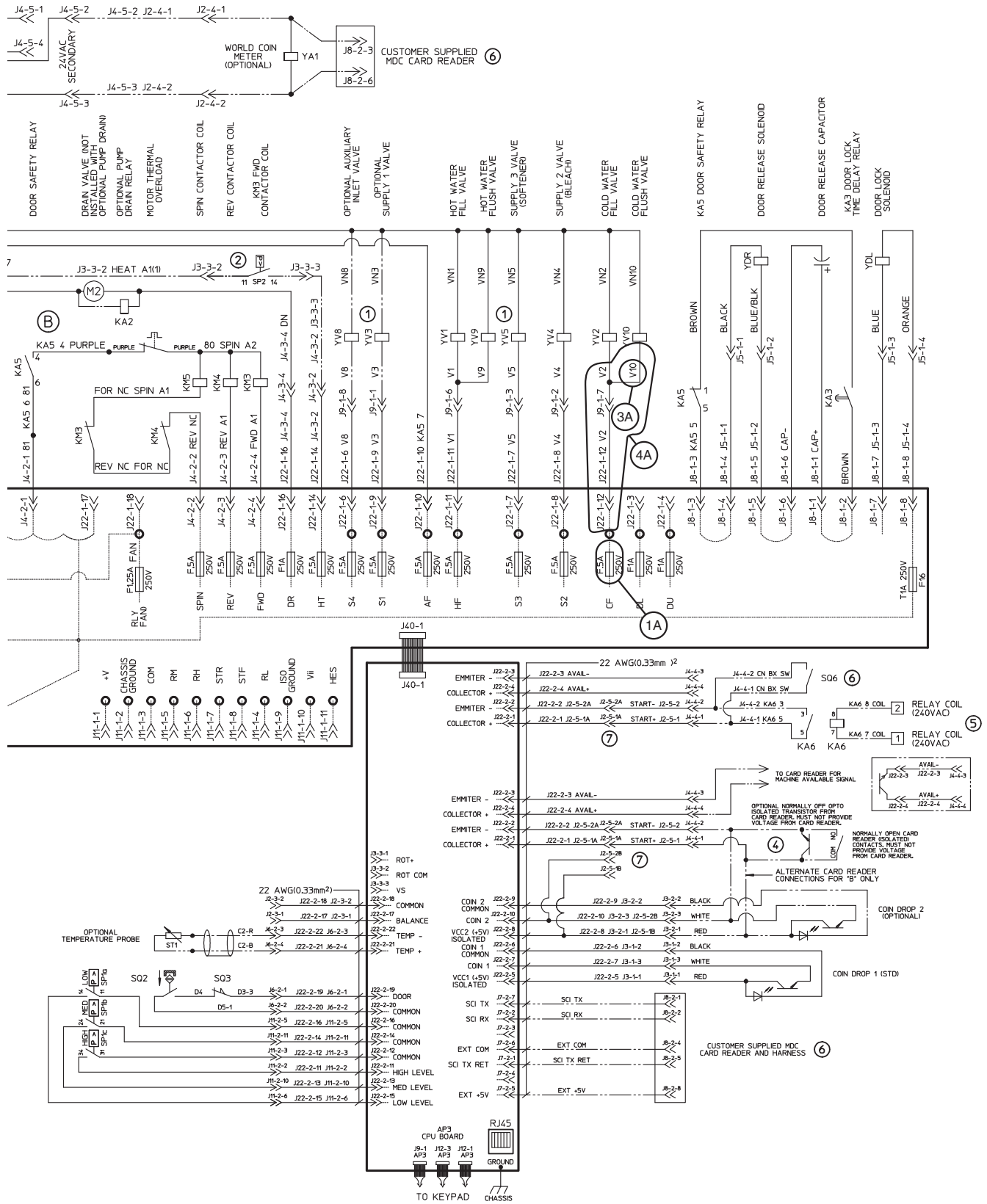


CHM379S

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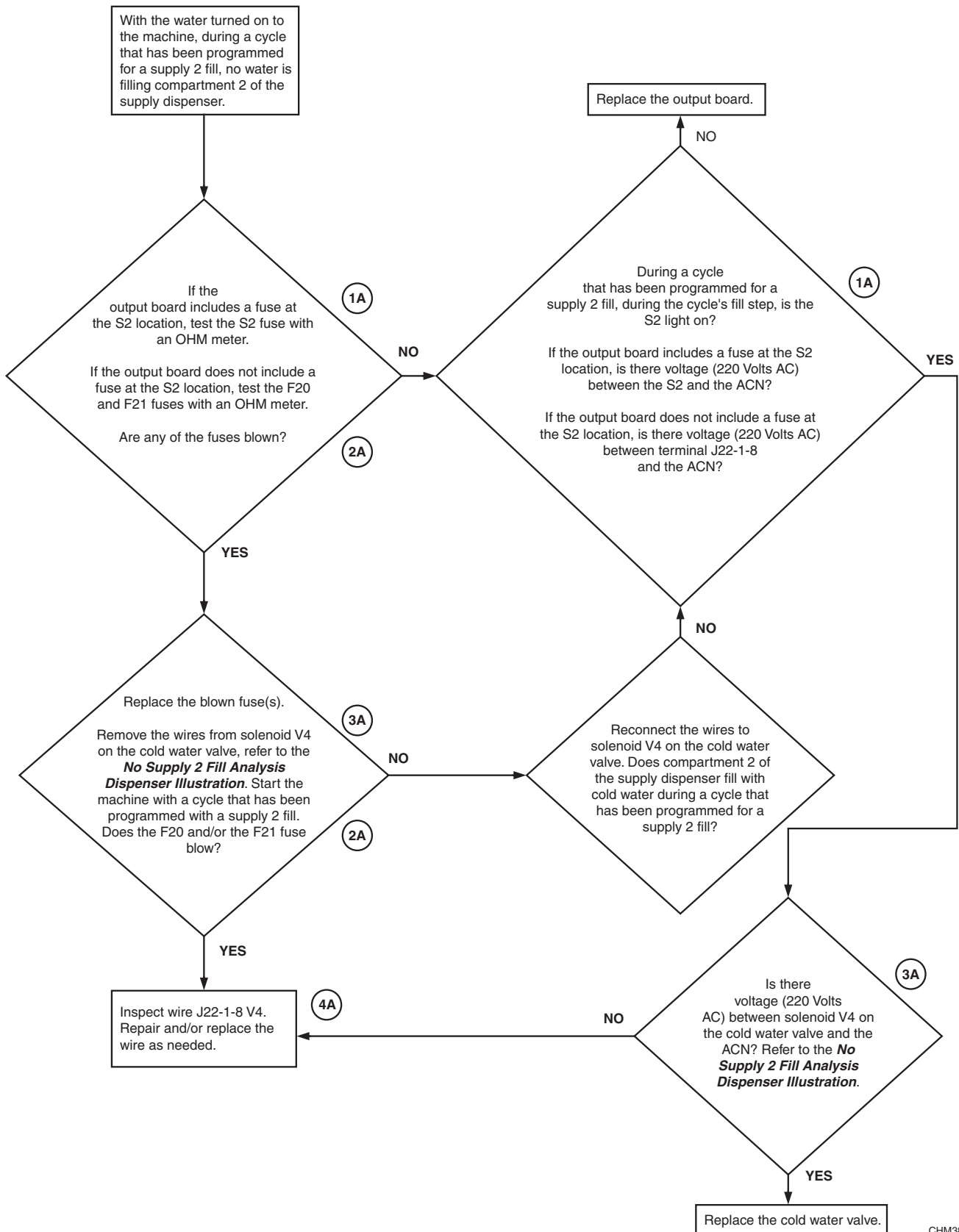


No Cold Supply 1 Fill Analysis (Sheet 2 of 2)



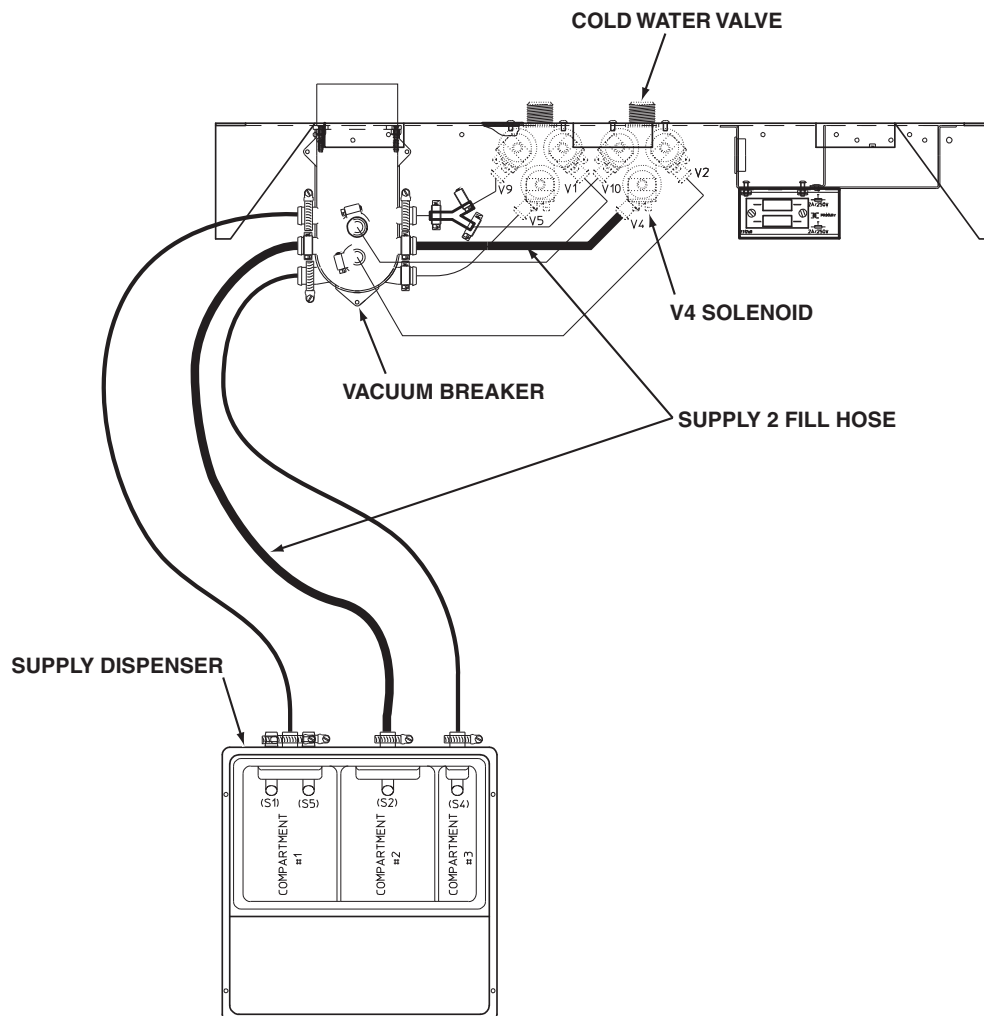
CHM378S

5. No Supply 2 Fill Analysis



CHM380S

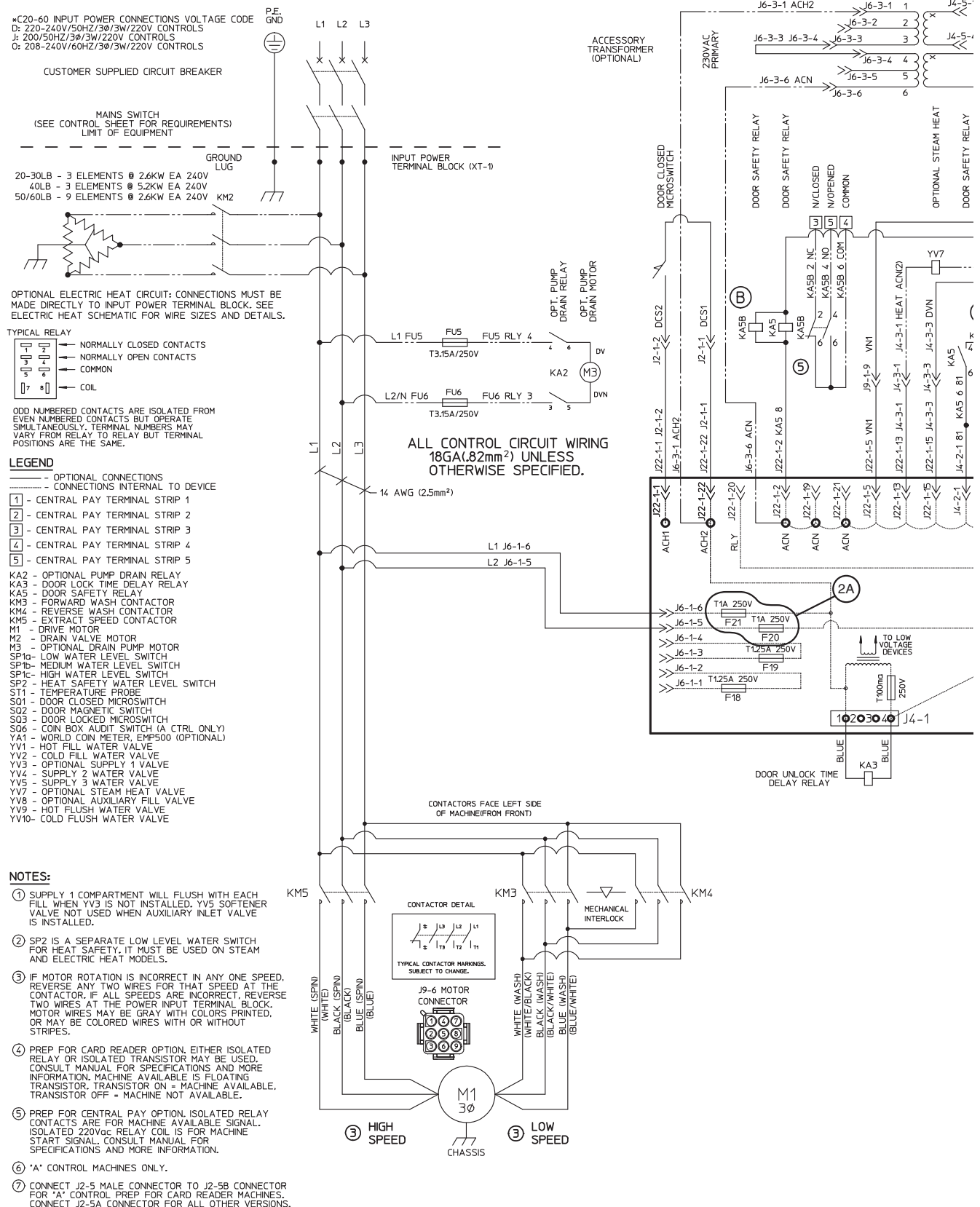
No Supply 2 Fill Analysis Dispenser Illustration



CHM382S

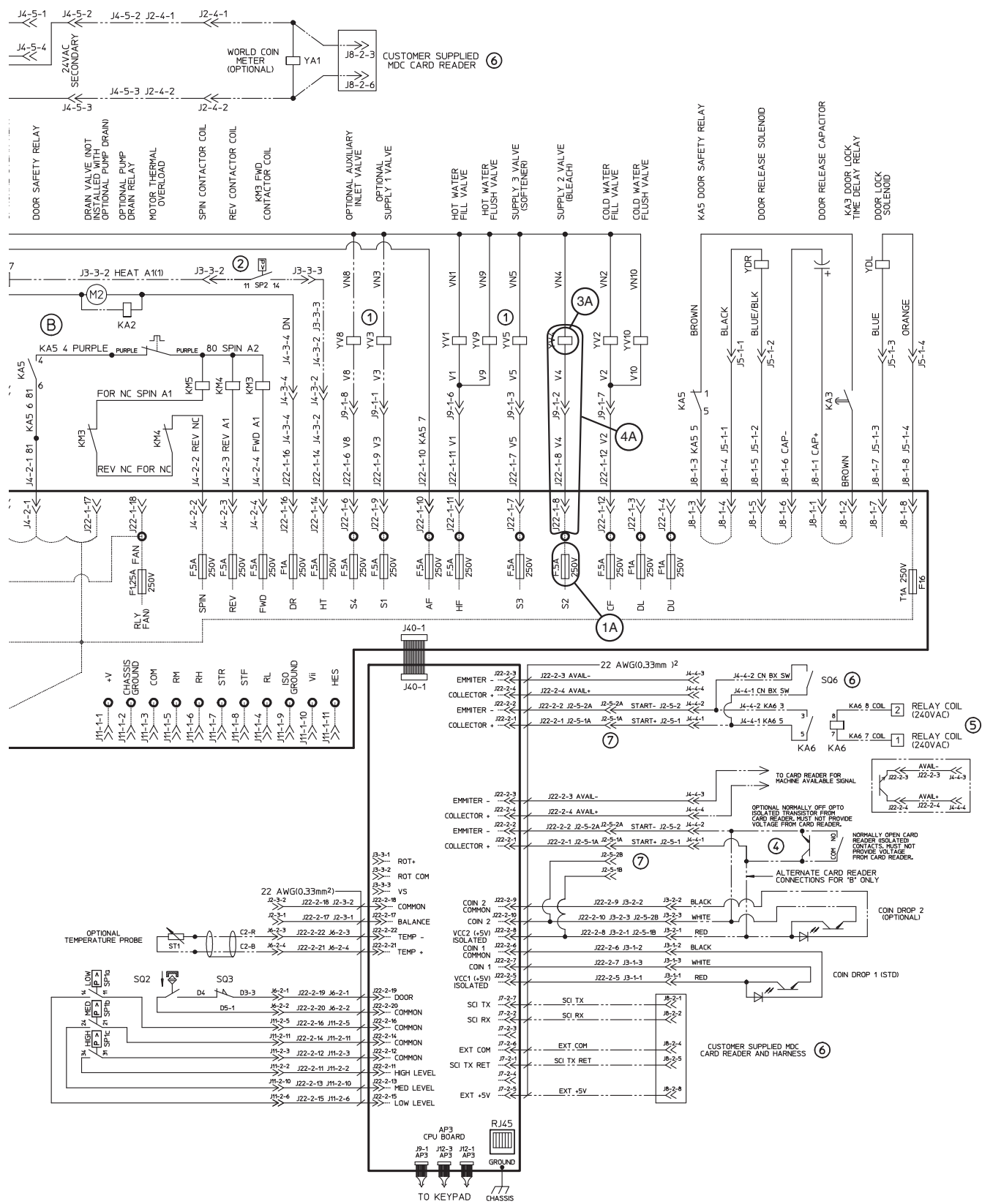
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No Supply 2 Fill Analysis (Sheet 1 of 2)

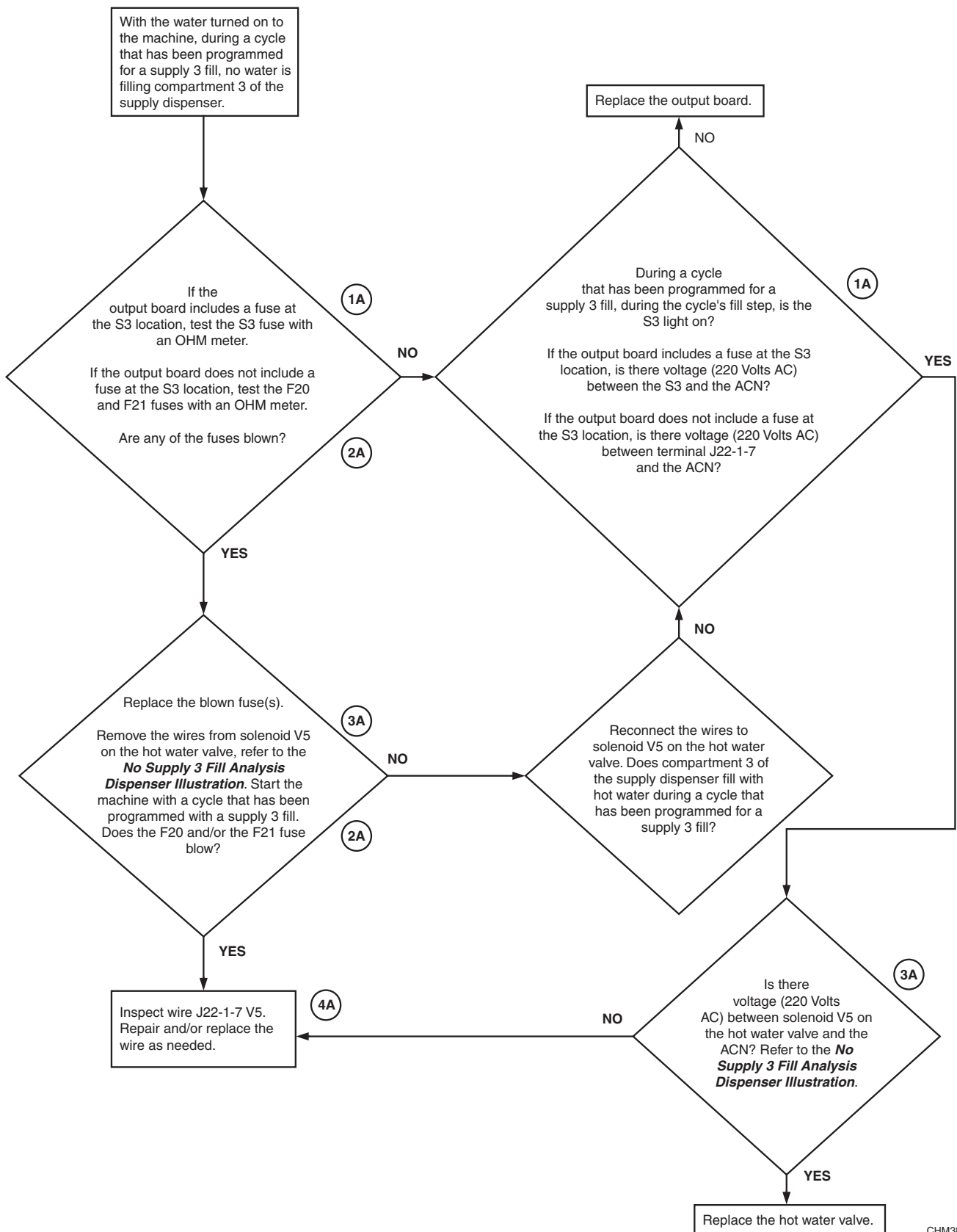


NOTE: Refer to the wiring diagram supplied with your machine.

No Supply 2 Fill Analysis (Sheet 2 of 2)

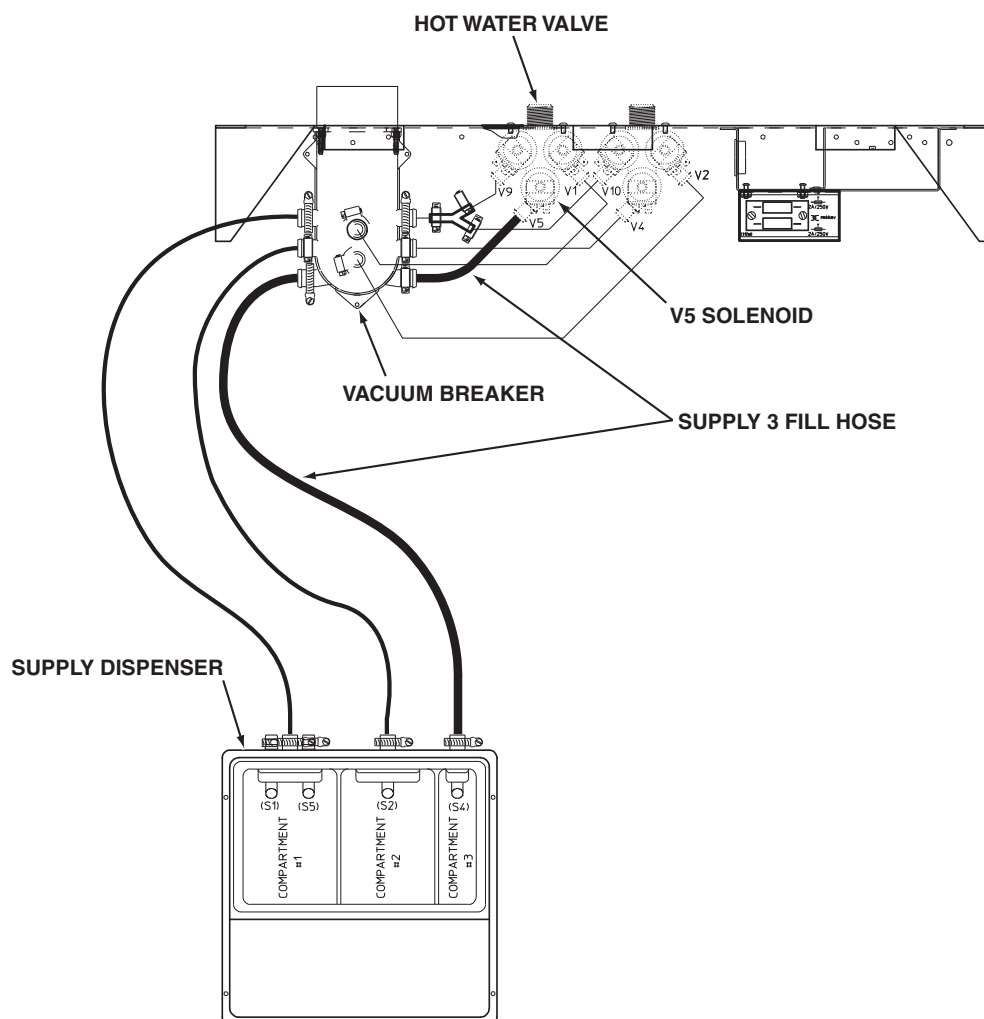


6. No Supply 3 Fill Analysis



CHM383S

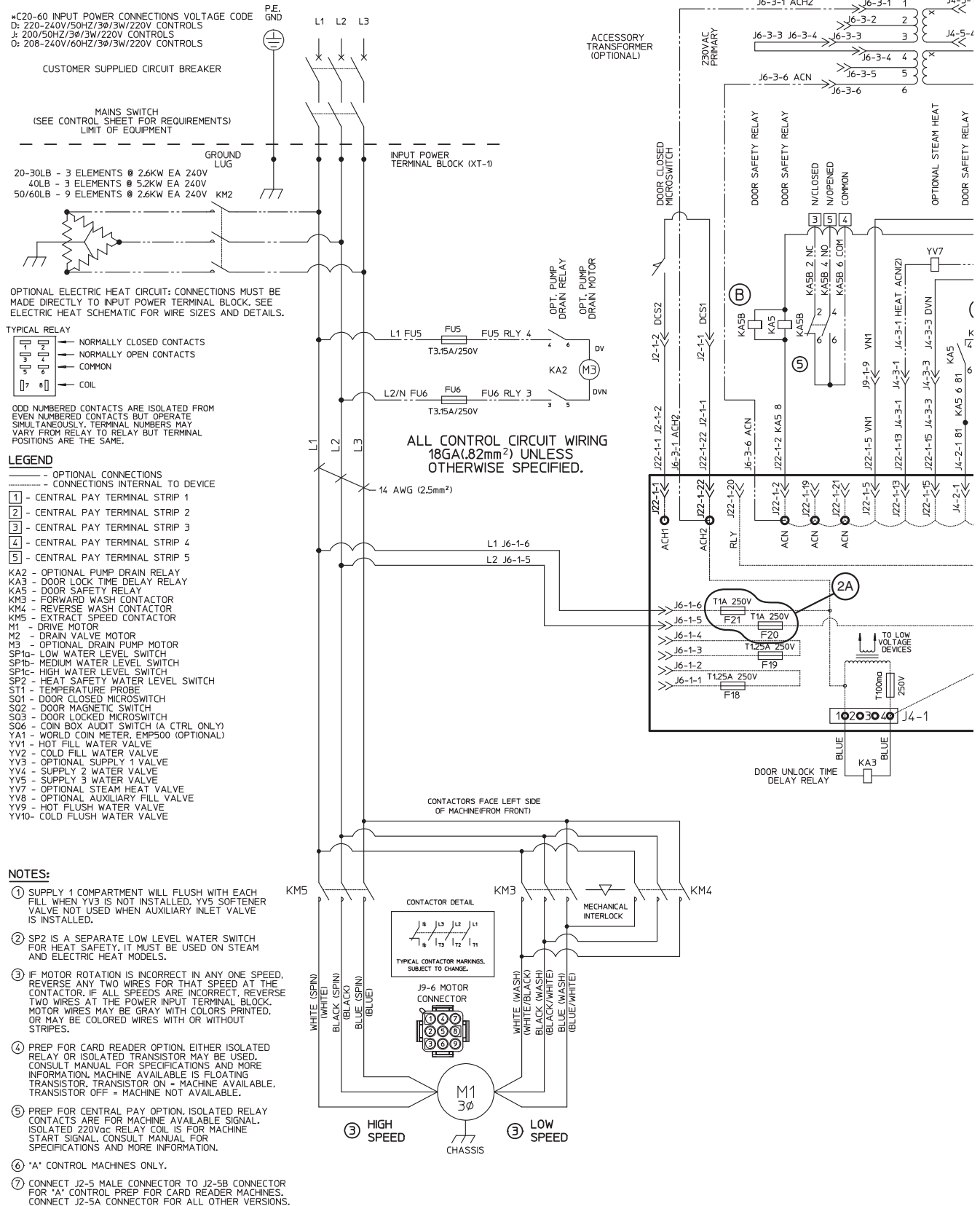
No Supply 3 Fill Analysis Dispenser Illustration



CHM385S

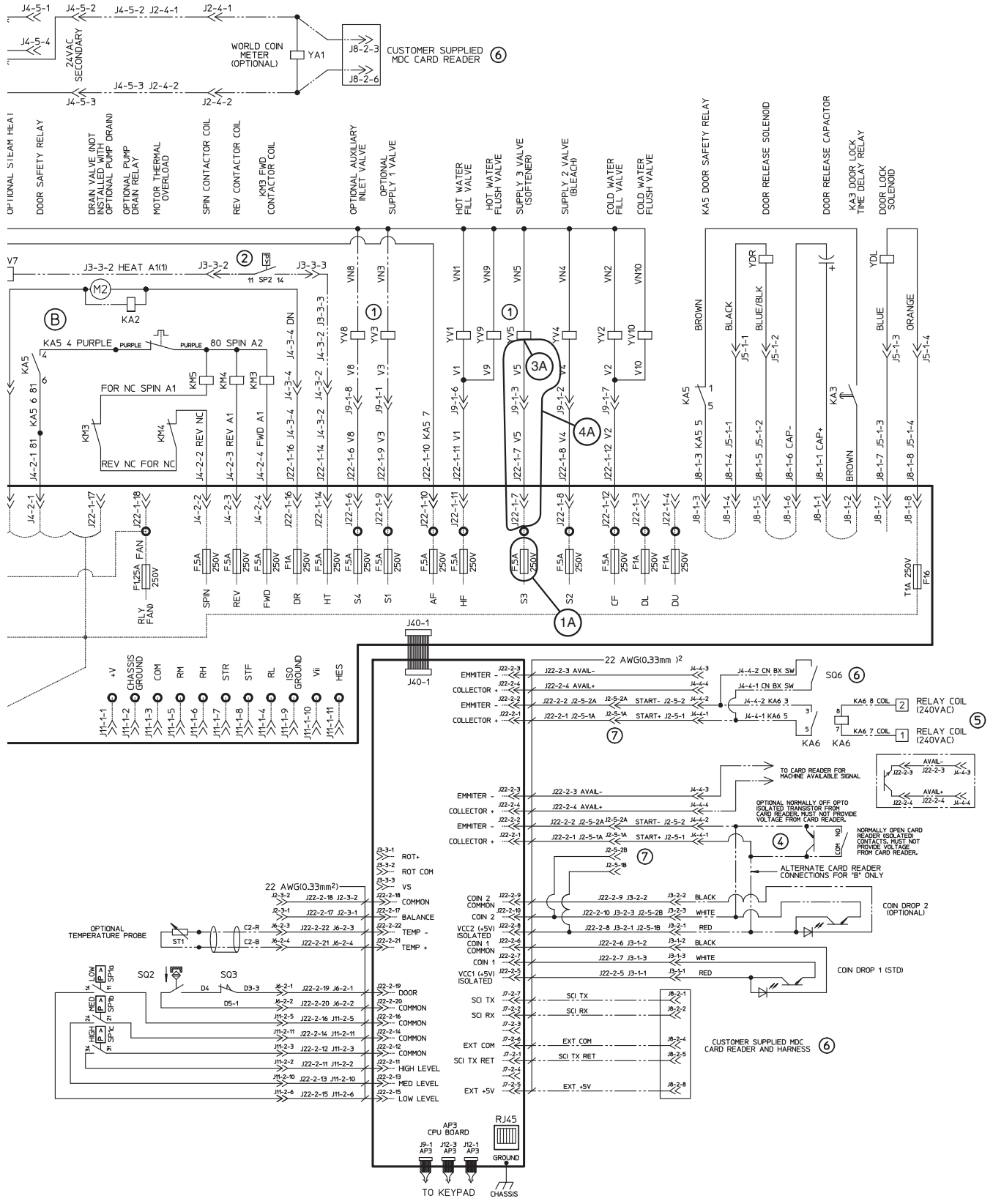
Please refer to the following 2 pages for wiring diagram information.

No Supply 3 Fill Analysis (Sheet 1 of 2)

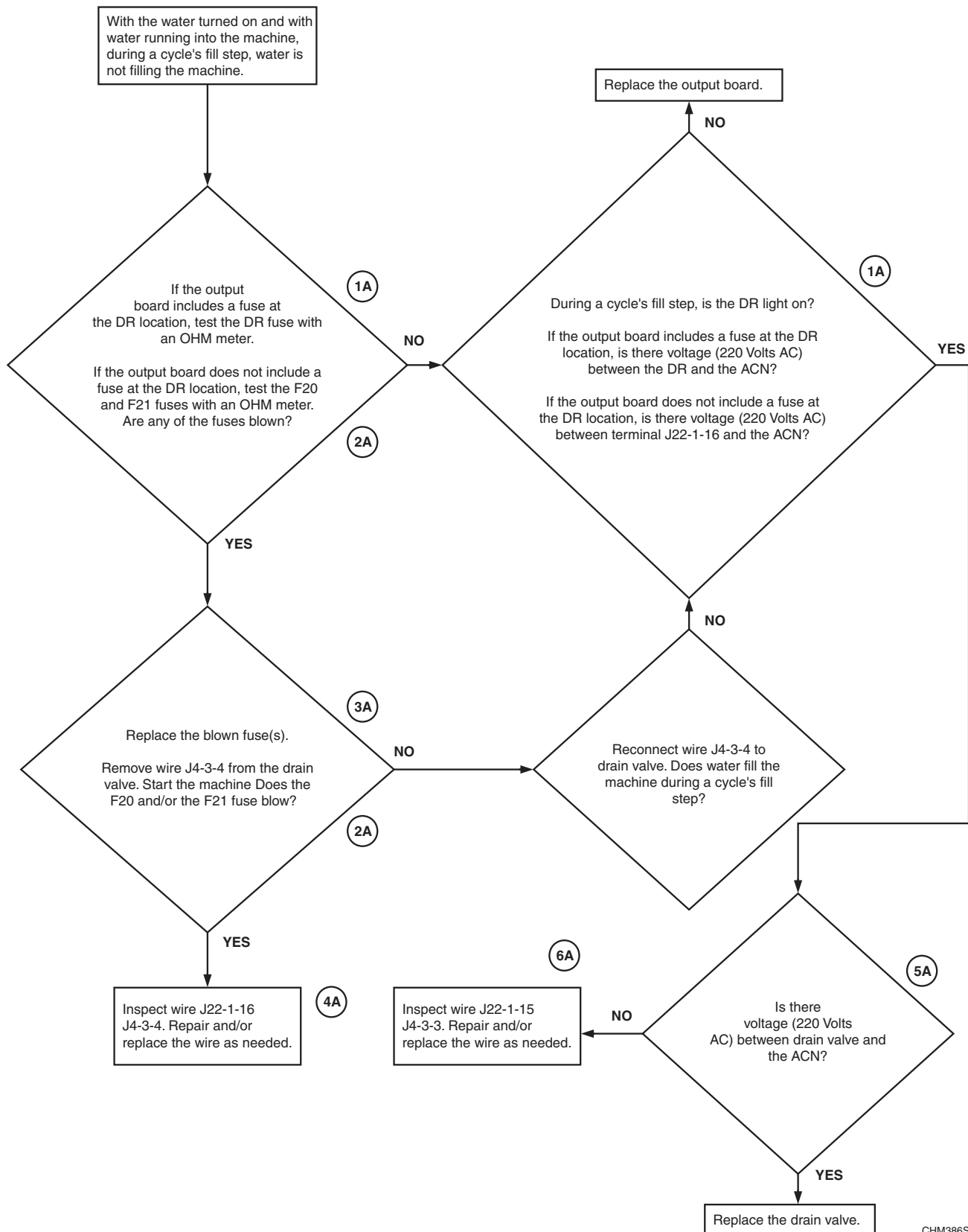


NOTE: Refer to the wiring diagram supplied with your machine.

No Supply 3 Fill Analysis (Sheet 2 of 2)



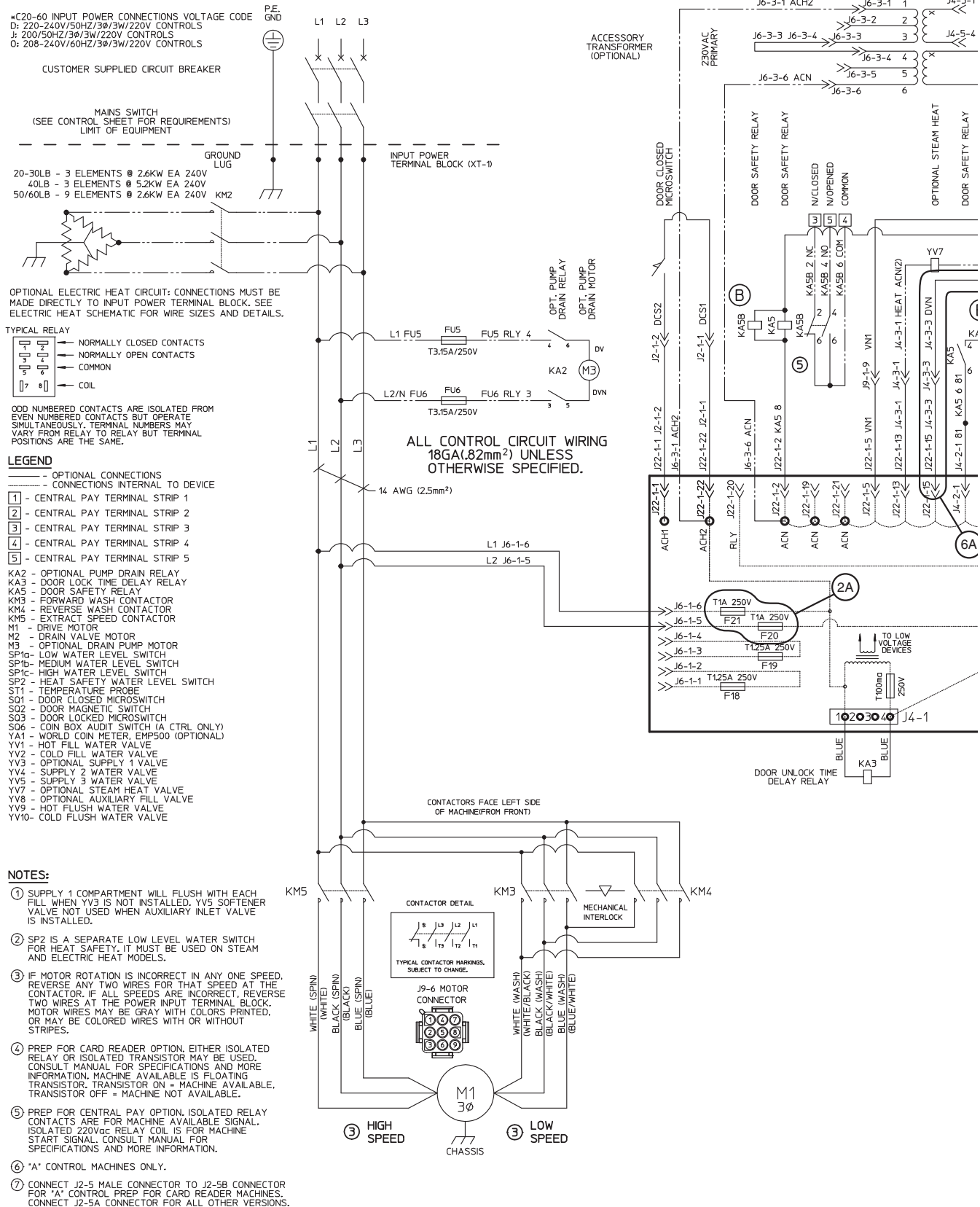
7. Drain Valve Analysis



CHM386S

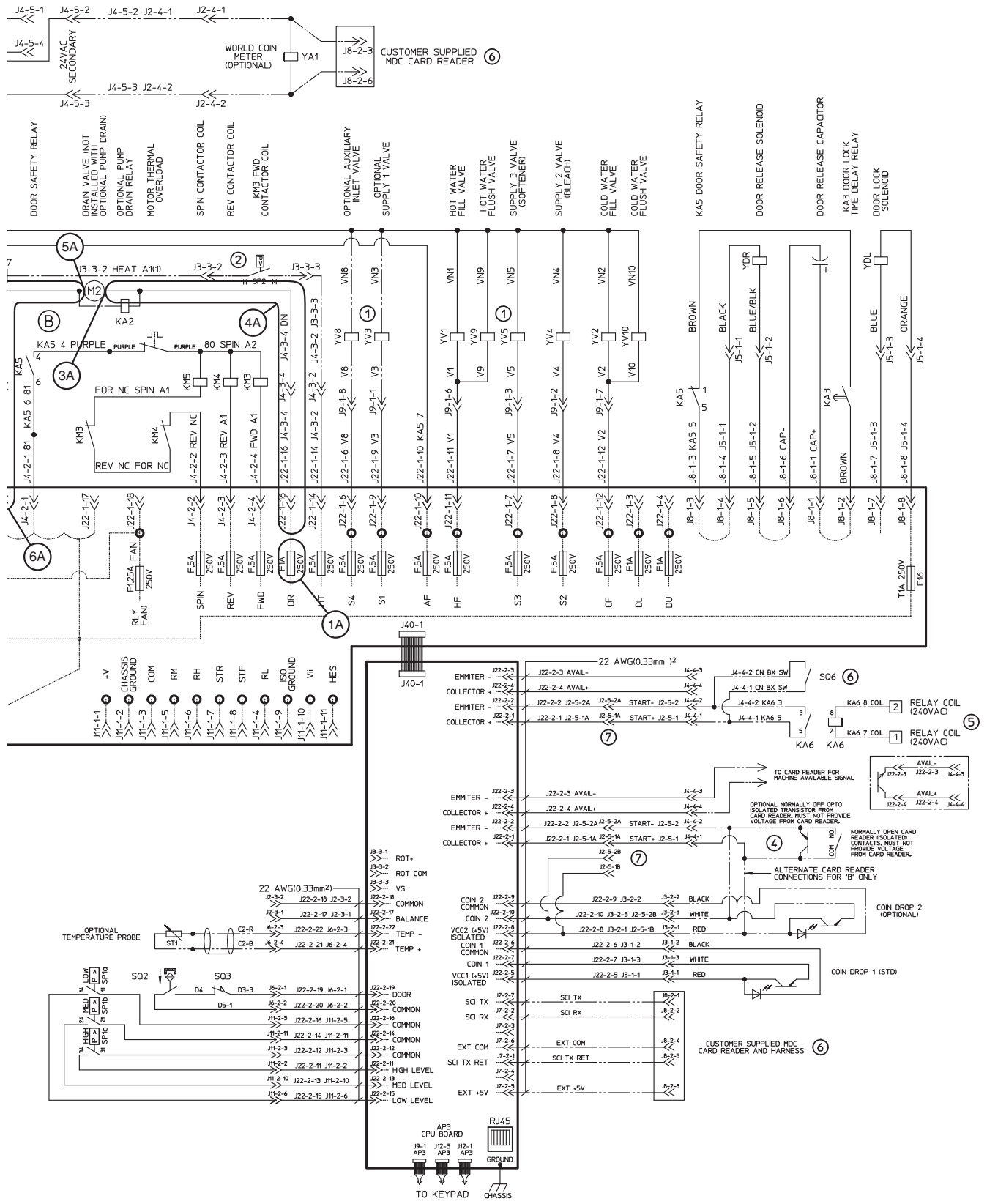
Please refer to the following 2 pages for wiring diagram information.

Drain Valve Analysis (Sheet 1 of 2)



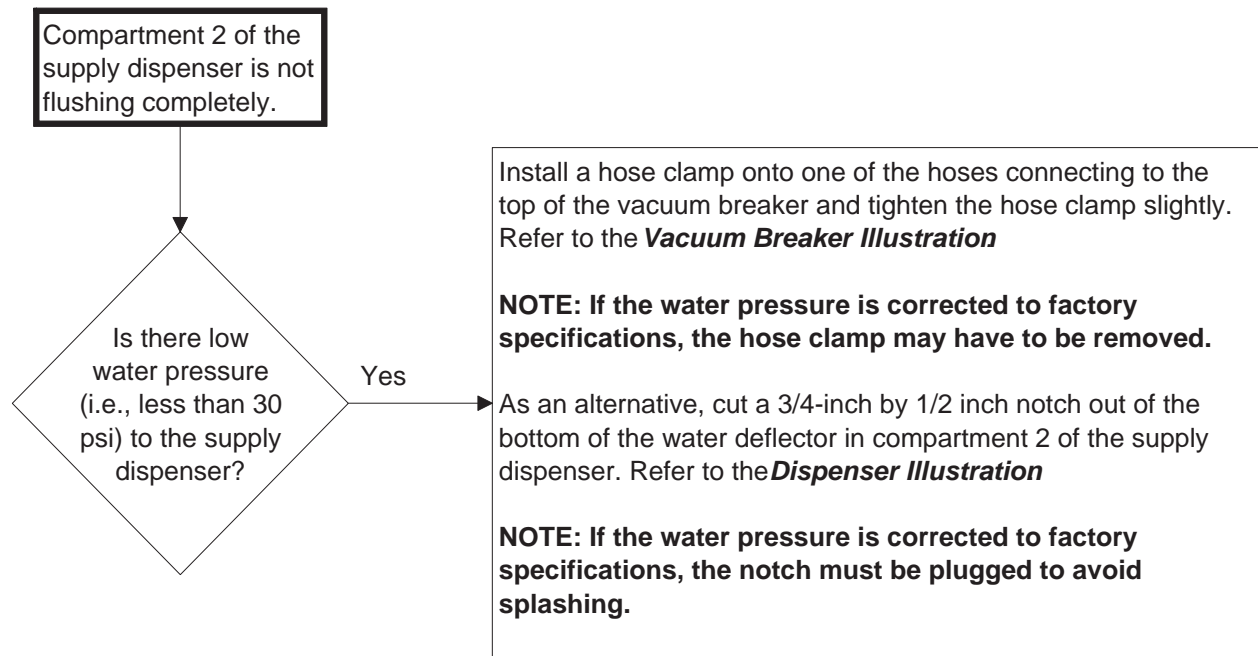
NOTE: Refer to the wiring diagram supplied with your machine.

Drain Valve Analysis (Sheet 2 of 2)



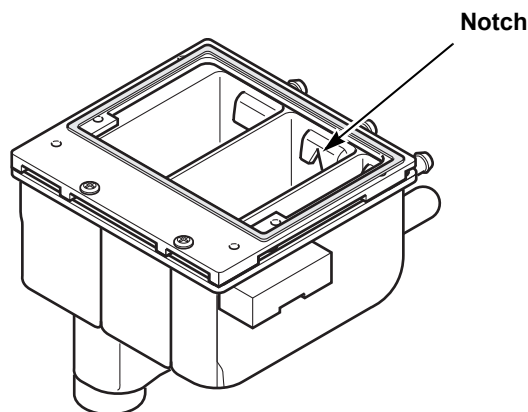
CHM387S

8. Compartment 2 of Supply Dispenser Not Flushing Completely



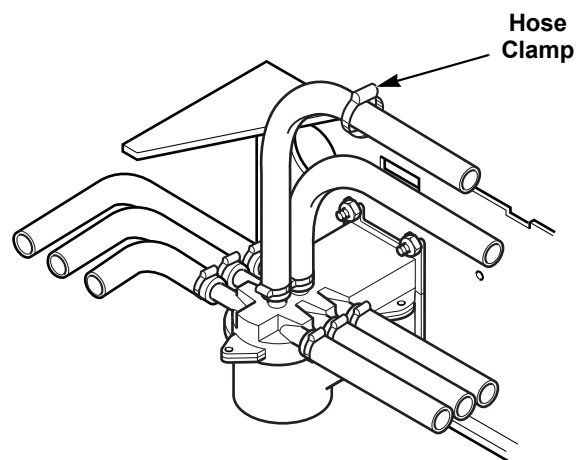
CHM443E

Dispenser Illustration



CHM366S

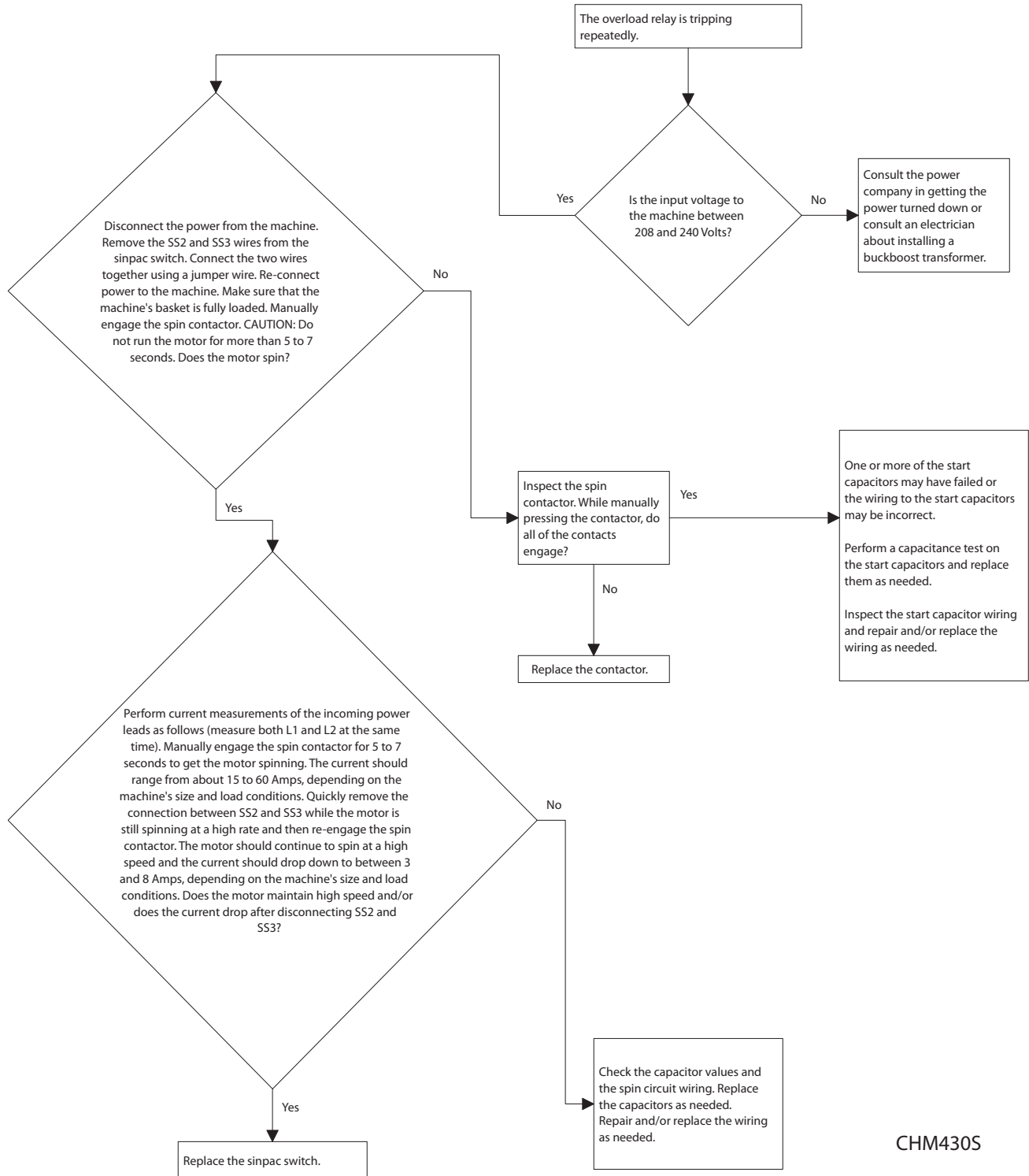
Vacuum Breaker Illustration



CHM441S

9. Overload Relay Tripping Repeatedly

Repeated overload tripping may result from a failed sinpac switch. Symptoms of a failed sinpac switch may include motor humming without rotation during spin or high current during running speed.



CHM430S

10. Troubleshooting and Cleaning the Coin Drop

When a coin is placed into coin slot, the coin should roll down drop and be heard dropping into coin vault. If coin does not fall into coin vault or if coin drop sensor does not register that coin has been entered, follow troubleshooting instructions below.

Troubleshooting Coin Drop

Is proper electrical power supplied to coin drop? Incorrect electrical connection may prevent coins from registering in coin drop. Refer to wiring diagram and service manual for proper connections.

Is machine level? Machines that are not level may prevent coins from following through required check stages of drop. Refer to Installation Instructions for instructions on leveling machine.

Is coin drop clean? Residue or lint build-up may prevent coins from following through required check stages of drop. Refer to *Cleaning Coin Drop* instructions below.

IMPORTANT: Never use oil to correct coin drop problems. Oil residue will prevent coins from rolling properly.

IMPORTANT: Do not bend or damage mechanical parts within coin drop.

Cleaning Coin Drop

The electronic coin drop should be cleaned once a year. Clean the drop more often if it is exposed to high levels of residue or lint build-up. Follow the instructions below for cleaning the coin drop.

Coin Drops with Old-Style Spring

Refer to *Figure 1*.

1. Disconnect electrical power to machine and drop.
2. Remove coin drop from machine.

3. Open cover of coin drop.
 - a. Move spring downward until cover catch is free. Refer to *Figure 1*.

NOTE: Do not lift or overbend the spring in any direction.

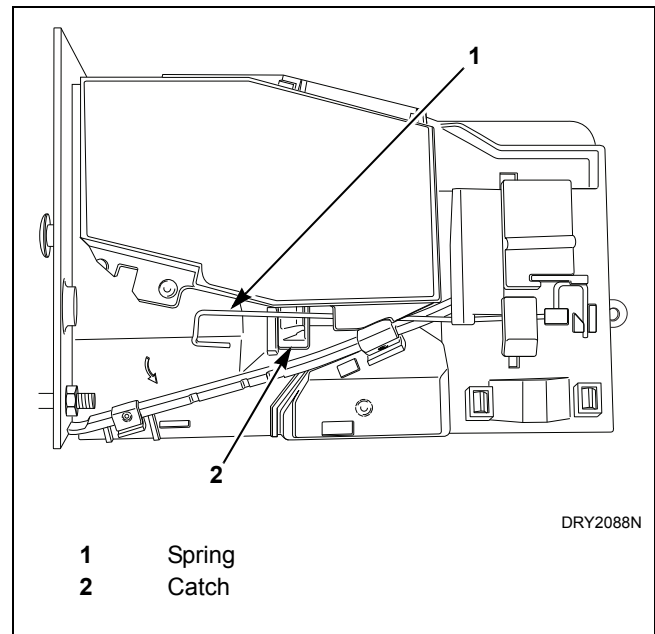


Figure 1

- b. Open cover for coin drop. Refer to *Figure 2*.

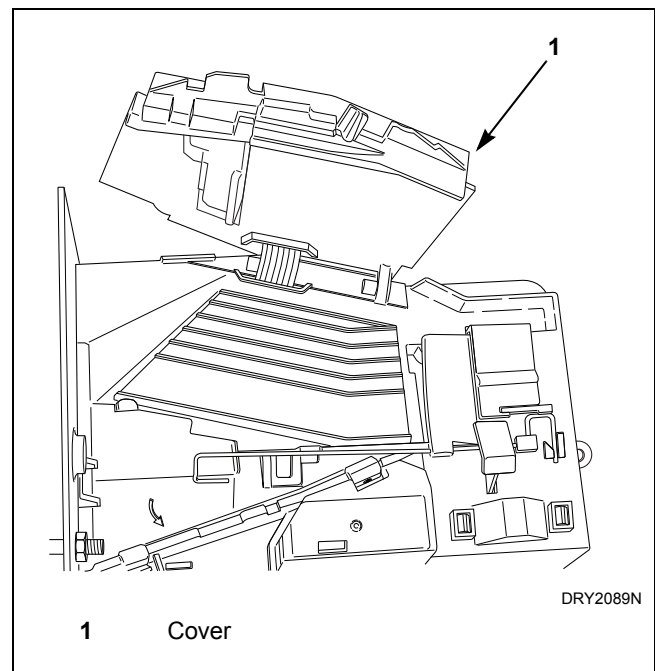


Figure 2

Troubleshooting

4. Clean the coin path with a soft brush and wipe exposed surfaces with an alcohol moistened cloth. Refer to *Figure 3*.

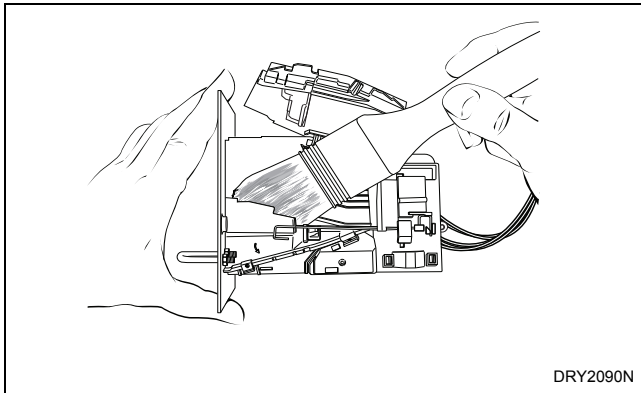


Figure 3

5. Clean residue from coin rail with an alcohol moistened cloth. Refer to *Figure 4*.

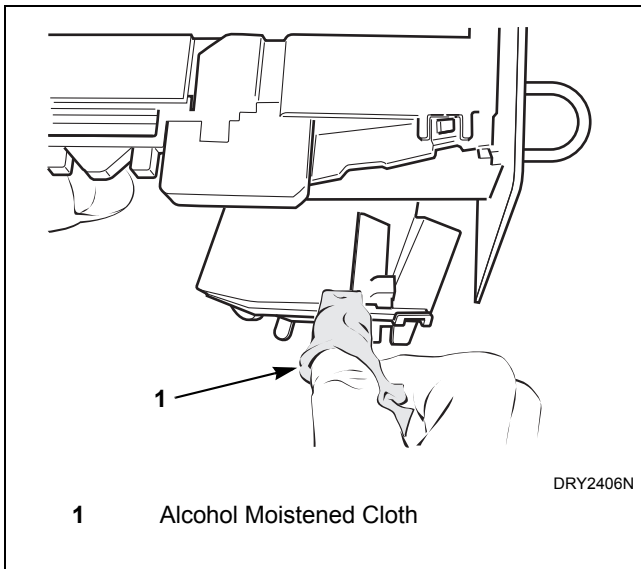


Figure 4

6. Clean light sensors with a soft brush or air spray duster. Refer to *Figure 5*.

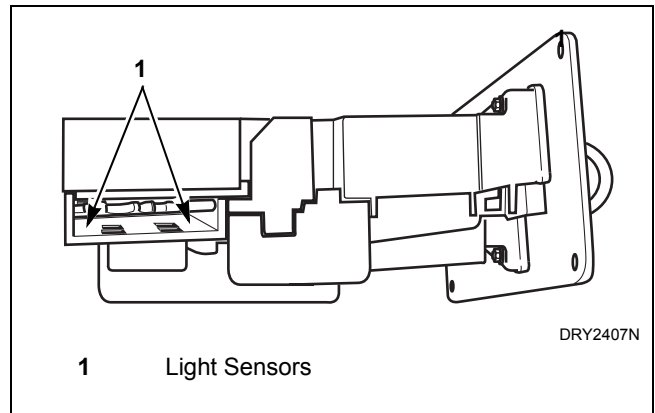


Figure 5

7. Close cover for coin drop.
8. Move spring back over cover catch.
9. Reinstall coin drop into machine.
10. Reconnect electrical power to machine and drop.
11. Add a coin to drop to verify that coin drop is operating properly and that electrical connection is working properly.

Coin Drops with New-Style Spring

Refer to *Figure 6*.

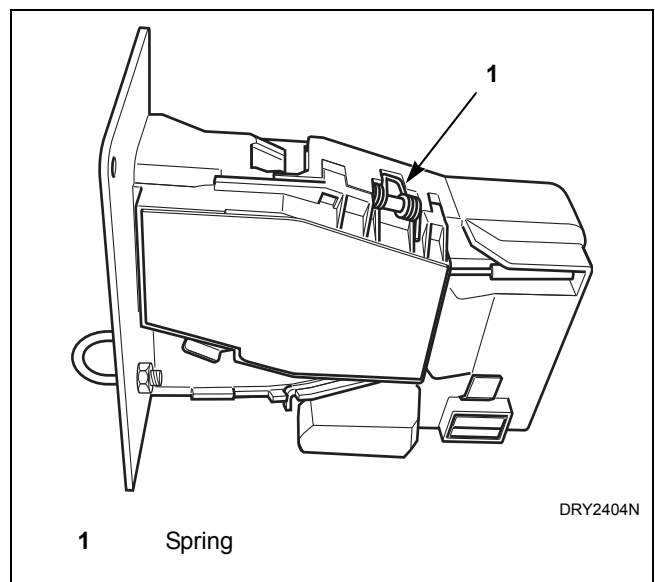


Figure 6

1. Disconnect electrical power to machine and drop.
2. Remove coin drop from machine.

3. Open cover of coin drop. Refer to *Figure 7*.

NOTE: Do not overbend the spring by opening cover too far.

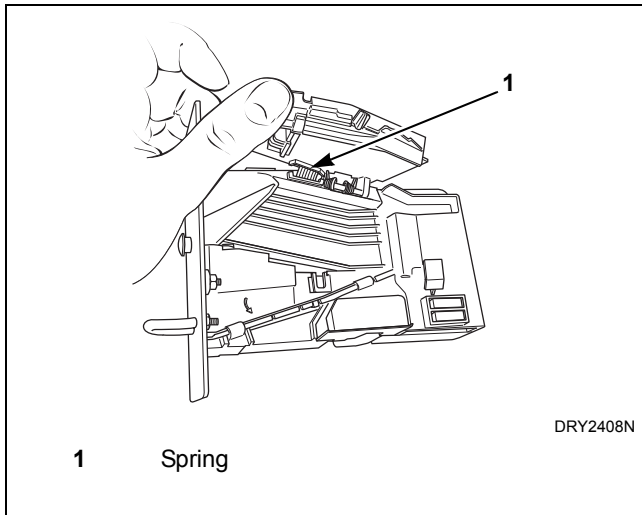


Figure 7

4. Clean the coin path with a soft brush and wipe exposed surfaces with an alcohol moistened cloth. Refer to *Figure 8*.

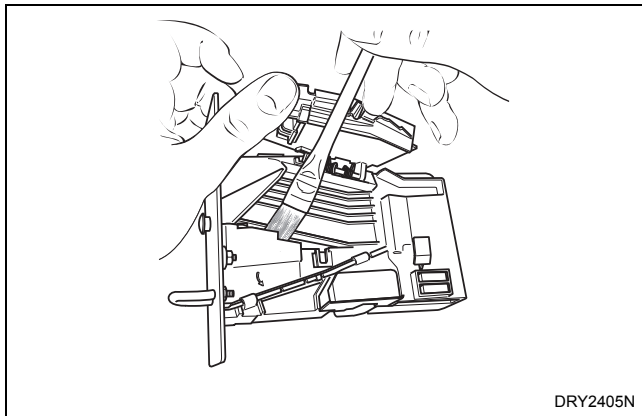


Figure 8

5. Clean residue from coin rail with an alcohol moistened cloth. Refer to *Figure 9*.

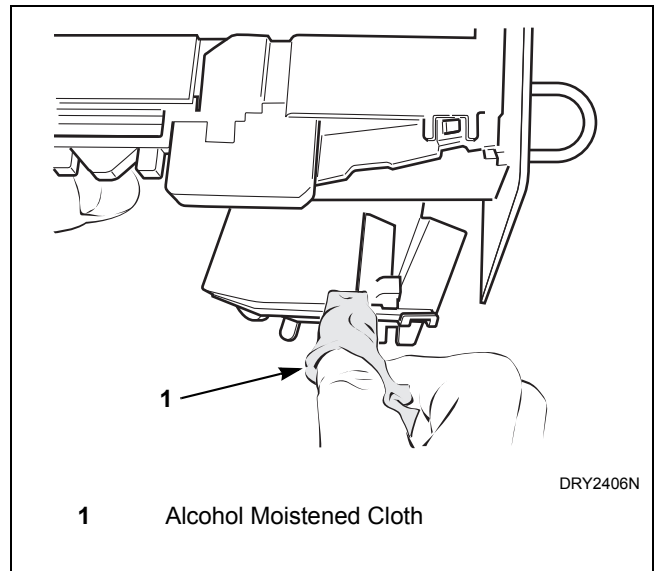


Figure 9

6. Clean light sensors with a soft brush or air spray duster. Refer to *Figure 10*.

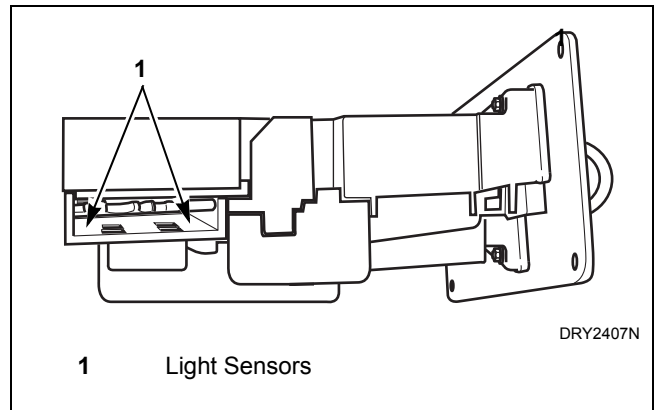


Figure 10

7. Close cover for coin drop.
8. Reinstall coin drop into machine.
9. Reconnect electrical power to machine and drop.
10. Add a coin to drop to verify that coin drop is operating properly and that electrical connection is working properly.

Troubleshooting

11. Replacing Old-Style Tension Spring on Electronic Coin Drop

If coin drop is not accepting coins, perform the following:

1. Clean coin drop according to instructions supplied with drop.
2. On electronic coin drops with an old-style tension spring (shown in *Figure 11* and *Figure 13*), test and replace tension spring using the following instructions.

Remove Coin Drop From Machine

1. Disconnect electrical power to machine and drop.
2. Remove coin drop from machine.

Test Tension Spring

1. Push coin return button to open and close coin drop cover to clear possible coin jams. Refer to *Figure 11*.

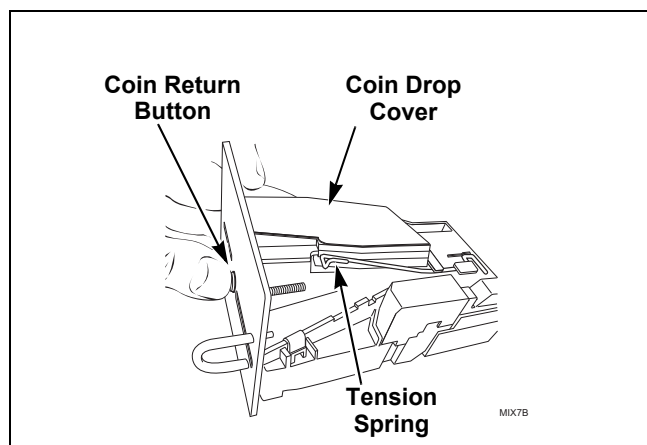


Figure 11

2. Manually hold down coin drop cover and insert coin. Refer to *Figure 12*.

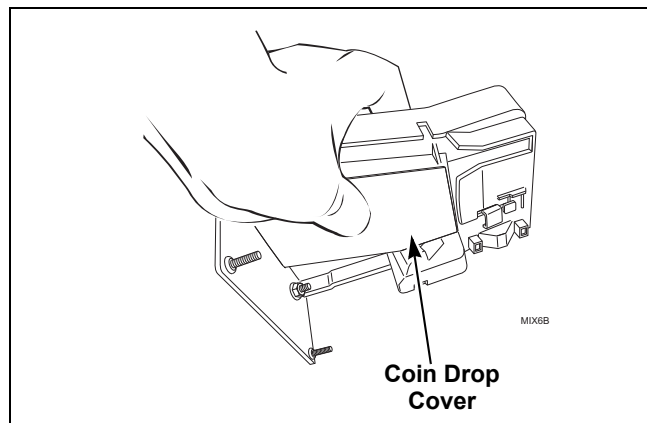


Figure 12

3. If coin drop now operates properly, replace tension spring using instructions on following pages.

Replace Tension Spring

1. Move tension spring downward until cover catch is free. Refer to *Figure 13*.

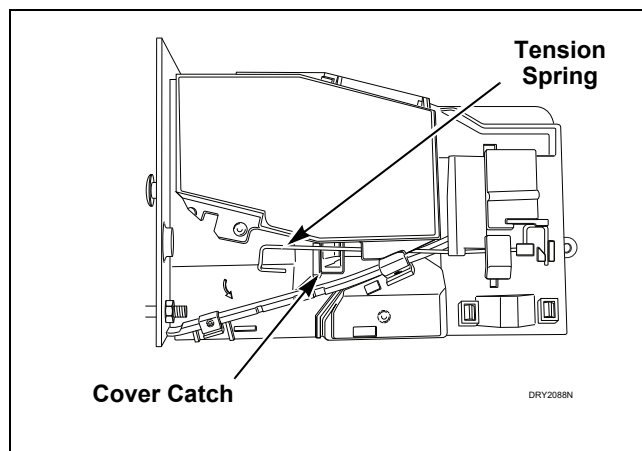


Figure 13

2. Open cover for coin drop.
3. Place a small flathead screwdriver under right side of tension spring and lift up. Refer to *Figure 14*.

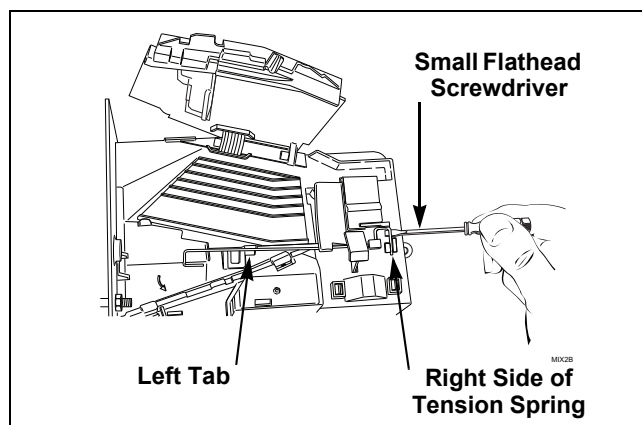


Figure 14

4. Use screwdriver to move spring approximately 3 mm to left.
5. Lift spring over left tab. Refer to *Figure 14*.

6. Rotate spring clockwise, 40 to 60 degrees, until it is free from right tabs. Refer to *Figure 15*.

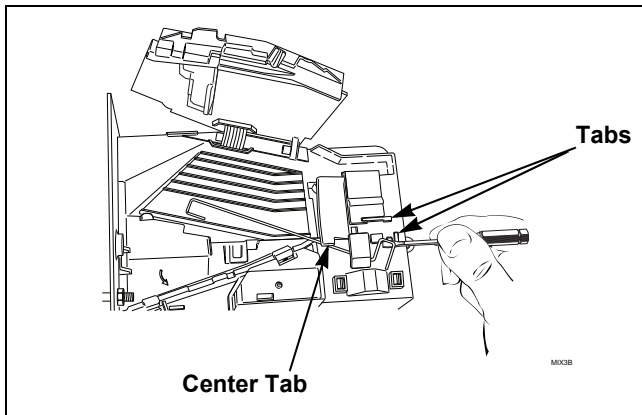


Figure 15

7. Use screwdriver to remove spring from center tab. Refer to *Figure 14*.
8. Lift spring, with attached clip, off drop.
9. Remove clip from spring. Refer to *Figure 16*.

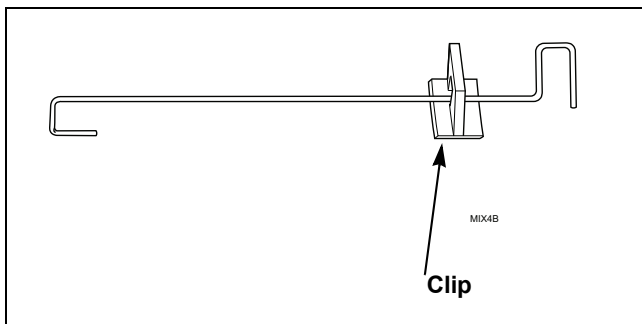


Figure 16

10. Attach clip to new tension spring, Part No. 209/00598/02.
11. Place clip, installed on spring, in slot on coin drop. Refer to *Figure 17*.

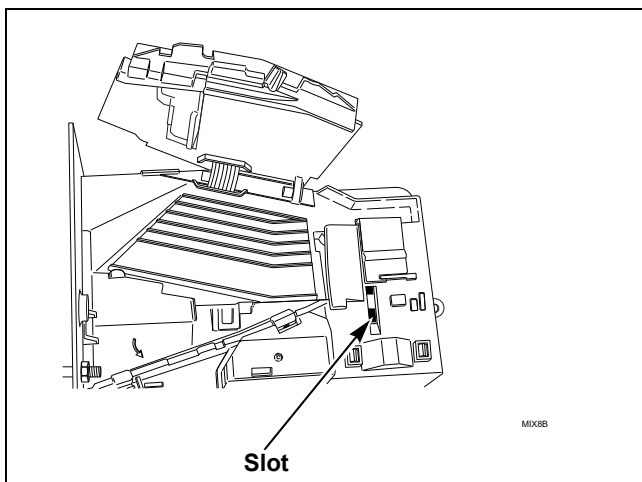


Figure 17

12. Use a small flathead screwdriver to push spring under center tab. Refer to *Figure 18*.

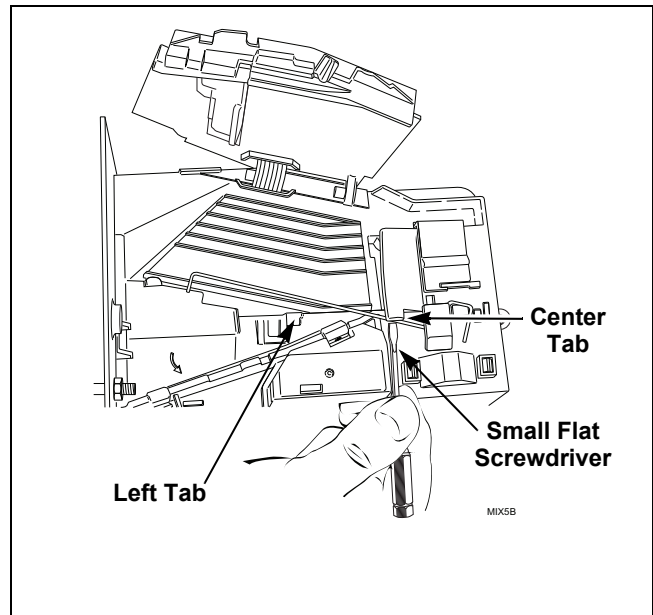


Figure 18

13. Lift spring gently to place in position under left tab.
14. Push spring to right until it snaps into position. Refer to *Figure 14*.
15. Close coin drop cover.
16. Move tension spring over cover catch. Refer to *Figure 13*.

Reinstall Coin Drop Into Machine

1. Reinstall coin drop into machine.
2. Reconnect electrical power to machine and drop.
3. Add a coin to drop to verify that coin drop is operating properly and that electrical connection is working properly.

Section 5

Troubleshooting – B-Control Coin Models



WARNING

To reduce the risk of electrical shock, fire, explosion, serious injury or death:

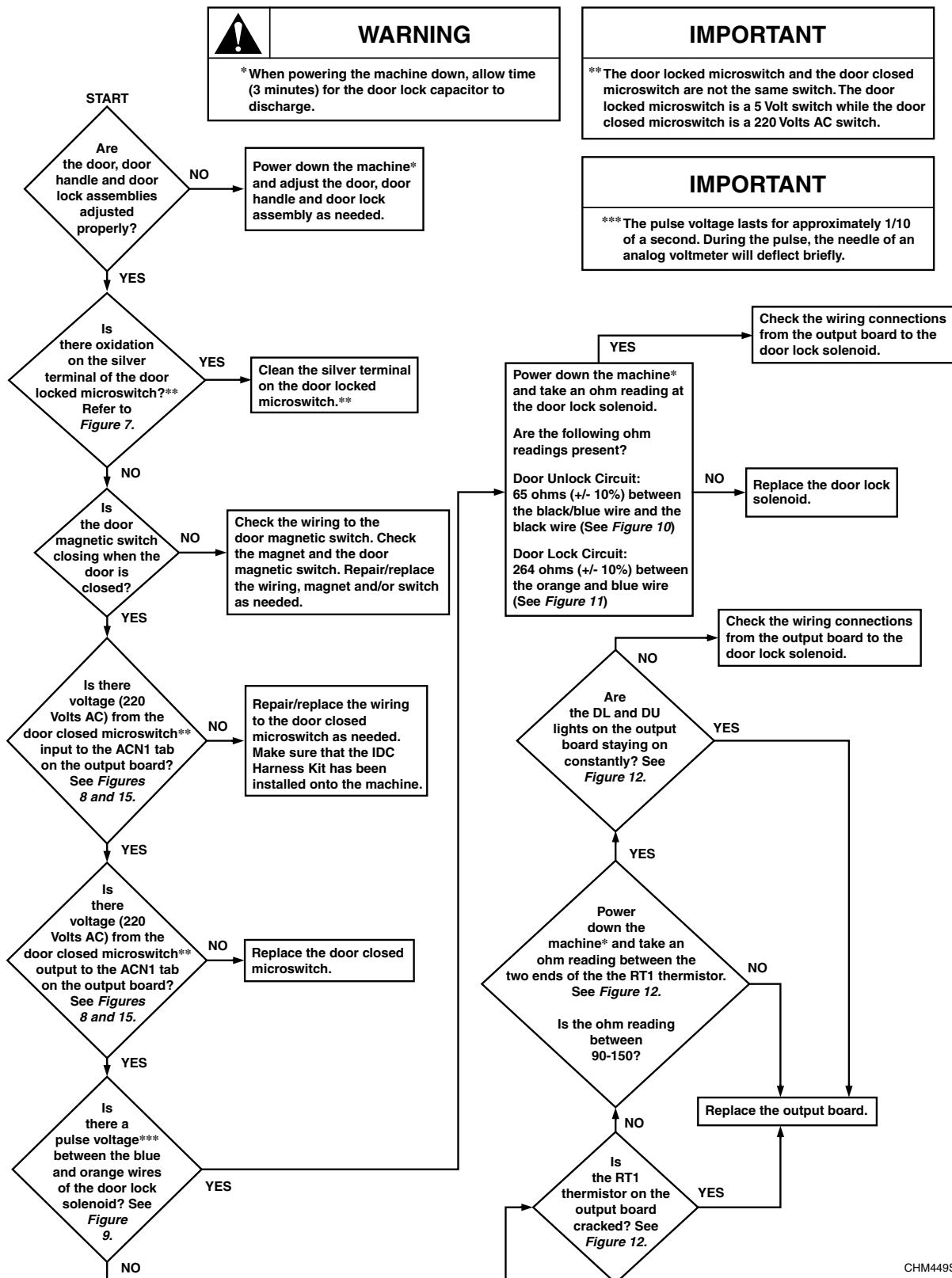
- Disconnect electrical power to the washer-extractor before servicing it.
- Close the gas shut-off valve to the washer-extractor (when applicable) before servicing it.
- Never start the washer-extractor with any guards/panels removed.
- Whenever ground wires are removed during servicing, these ground wires must be reconnected to ensure that the washer-extractor is properly grounded.

W461R1

12. The Display Shows “CANT/LOC” or “SHUT/DOOR”: Flowchart 1

Before beginning the troubleshooting, be sure that the IDC Harness Kit (Part No. F200189300 [all voltage models except C-voltage] and F200189301 [C-voltage models]) has been installed onto the machine.

NOTE: If, after troubleshooting with this flowchart, the display still reads “CANT/LOC” or “SHUT/DOOR”, go to “The Display Shows “CANT/LOC” or “SHUT/DOOR”: Flowchart 2”



CHM449S

The Display Shows “CANt/LOC” or “SHUT/DOOR”: Flowchart 1 (cont.)

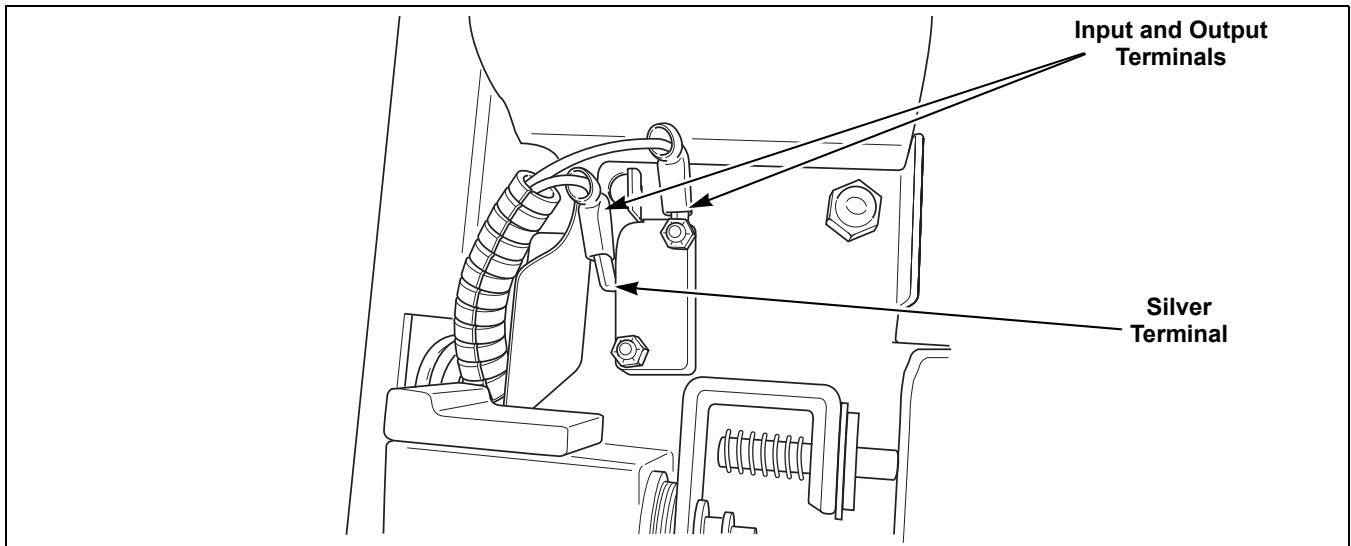


Figure 19 – Door Locked Microswitch

CHM310S

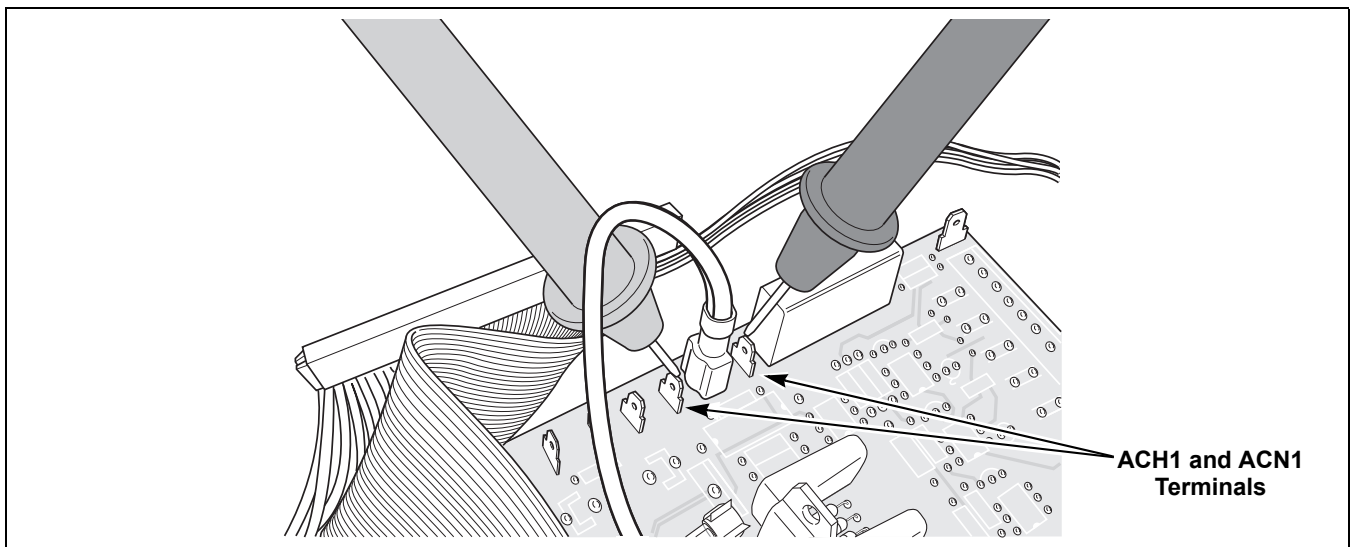


Figure 20

CHM445S

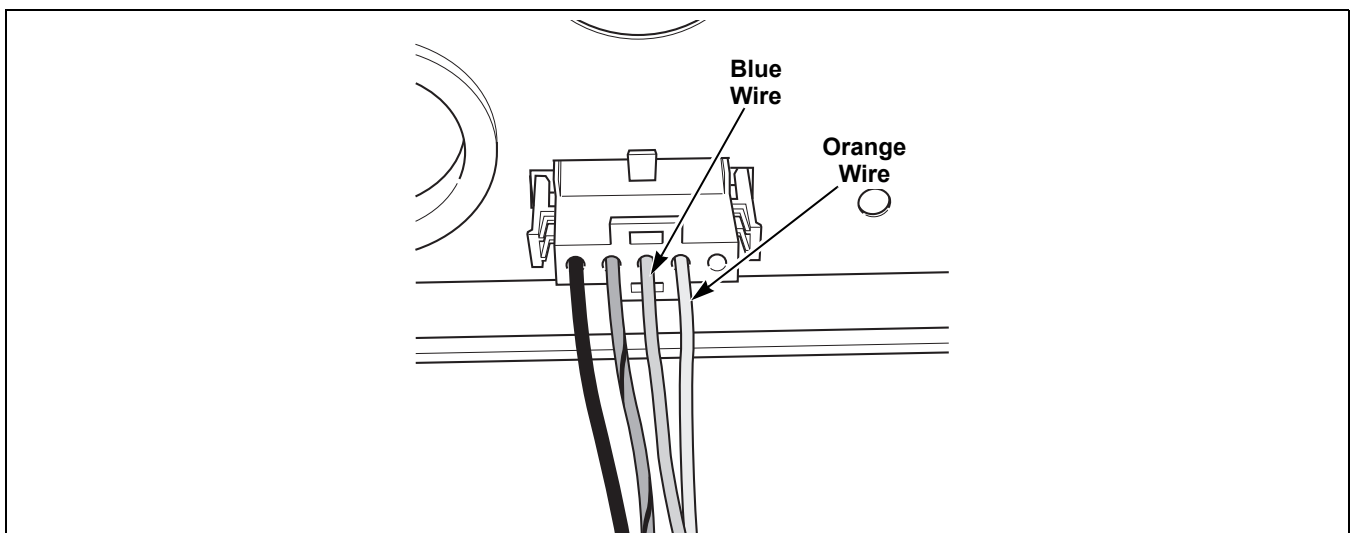


Figure 21

CHM312S

The Display Shows “CANT/LOC” or “SHUT/DOOR”: Flowchart 1 (cont.)

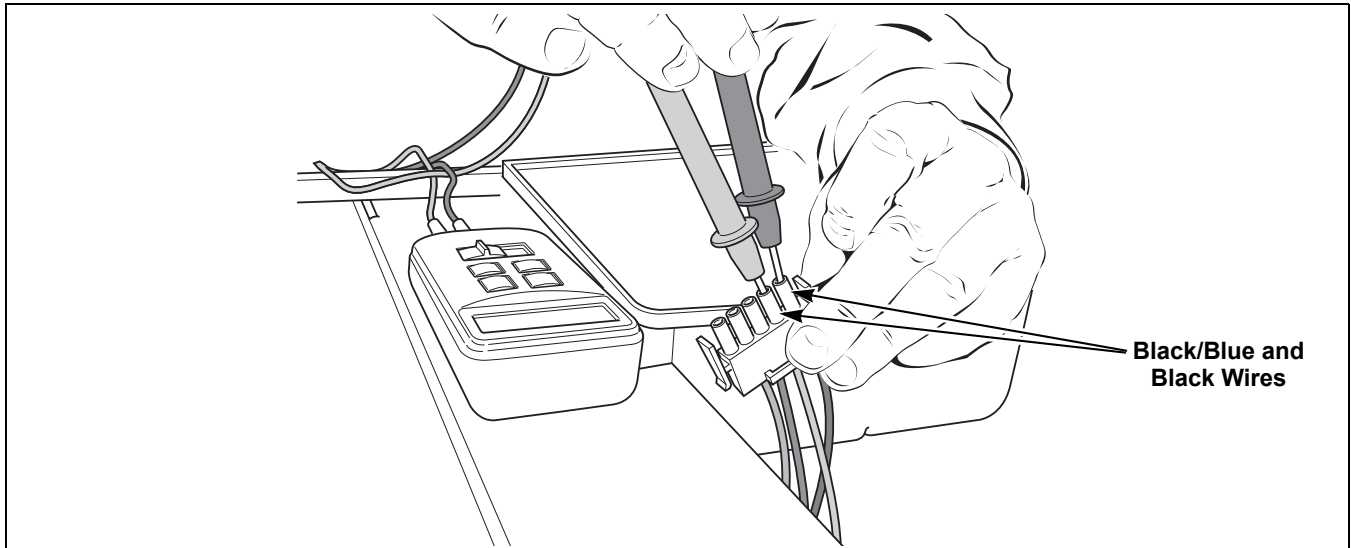


Figure 22

CHM313S

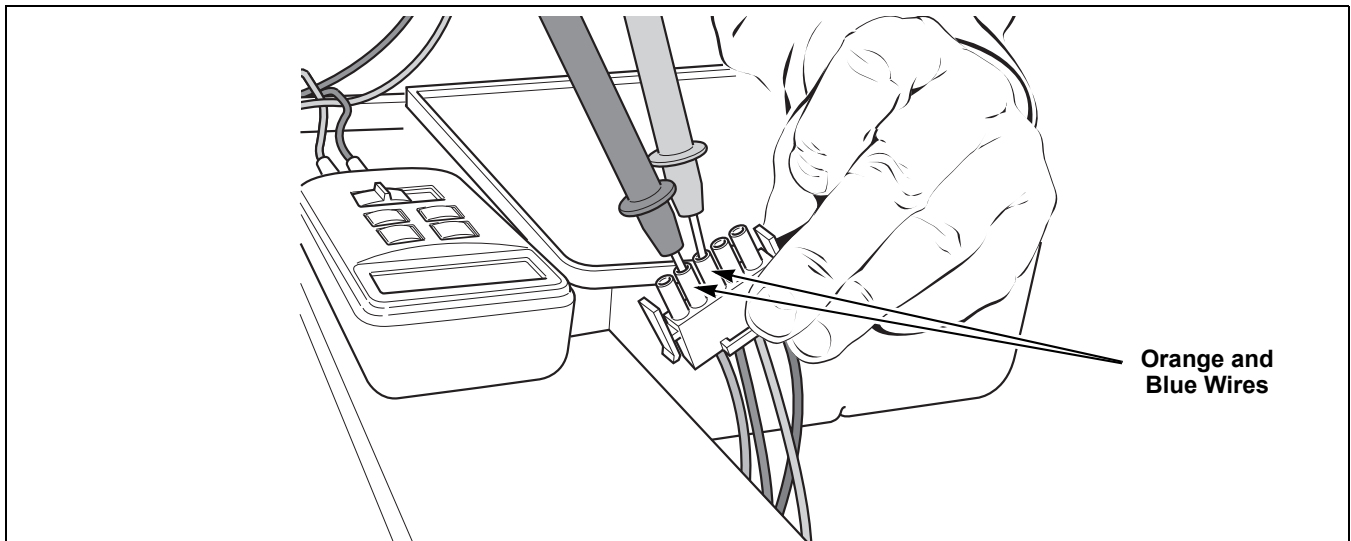


Figure 23

CHM314S

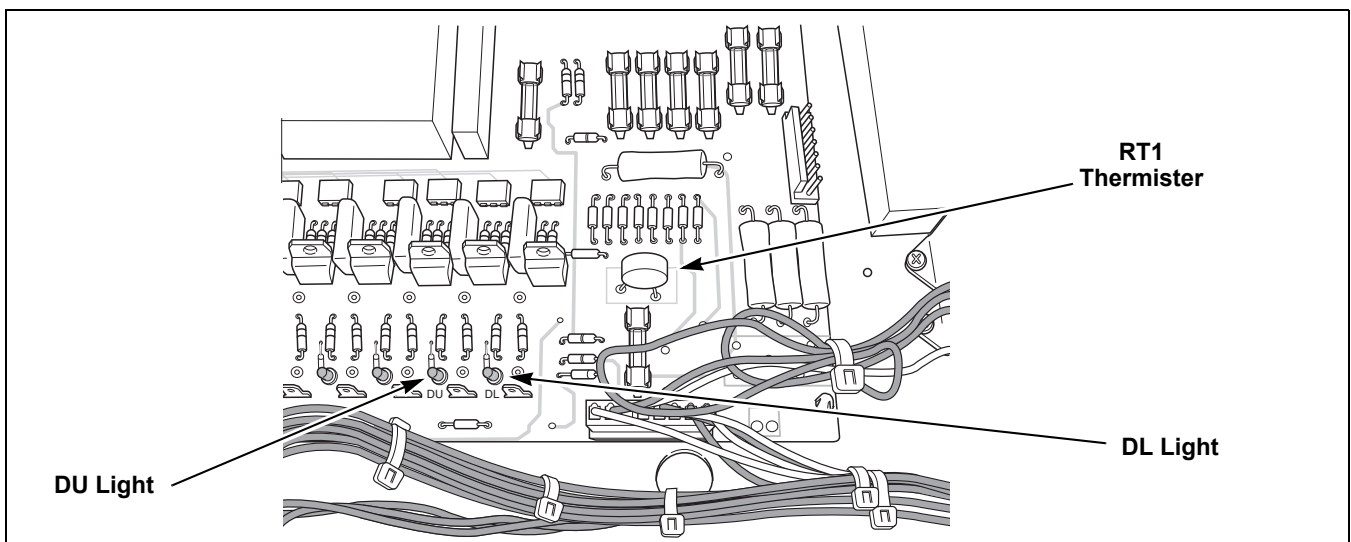
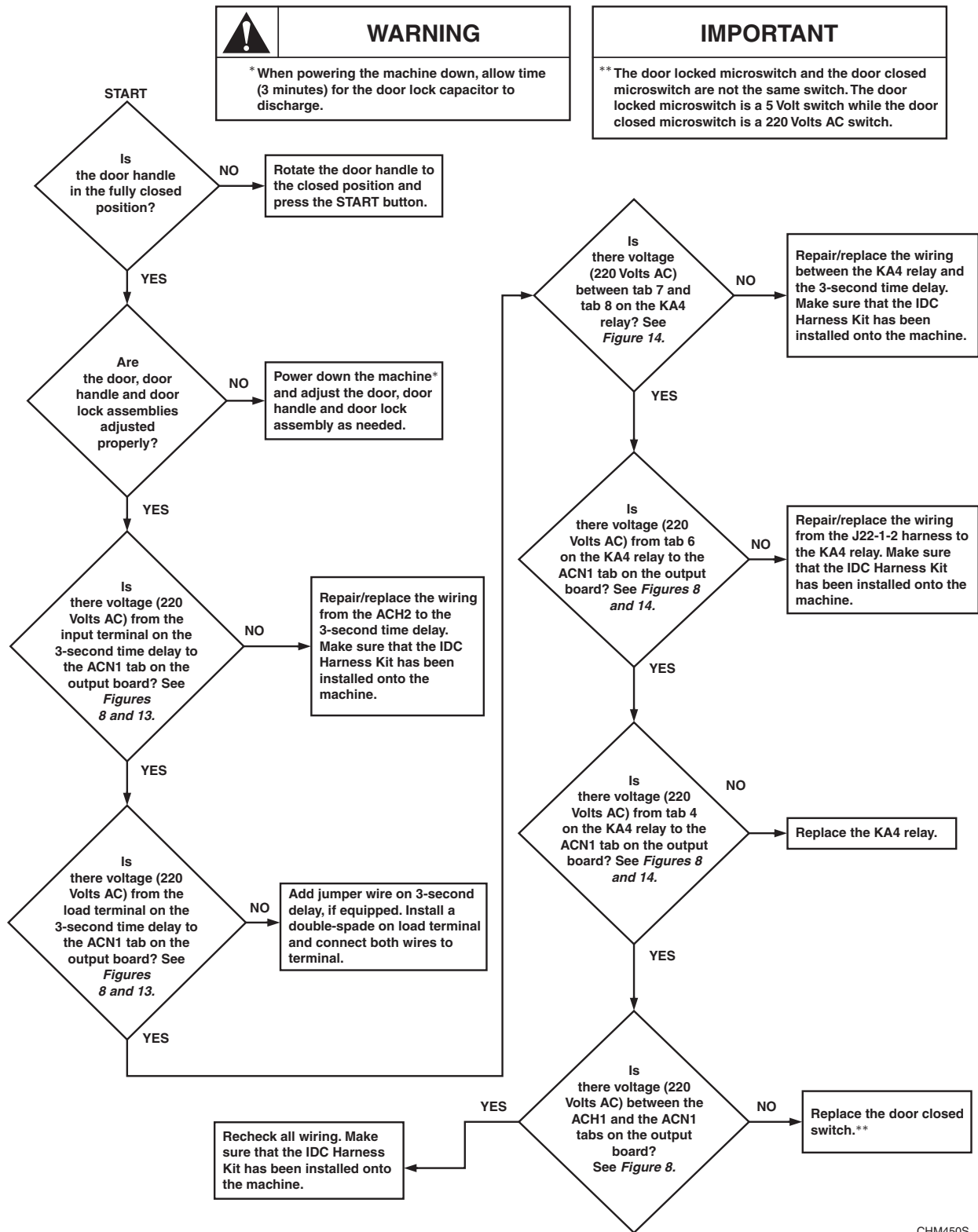


Figure 24

CHM446S

13. The Display Shows “CANT/LOC” or “SHUT/DOOR”: Flowchart 2

Before beginning the troubleshooting, be sure that the IDC Harness Kit (Part No. F200189300 [all voltage models except C-voltage] and F200189301 [C-voltage models]) has been installed onto the machine.
NOTE: If, after troubleshooting with this flowchart, the display still reads “CANT/LOC” or “SHUT/DOOR”, go to “The Display Shows “CANT/LOC” or “SHUT/DOOR”: Flowchart 3”



CHM450S

The Display Shows “CANt/LOC” or “SHUT/DOOR”: Flowchart 2 (cont.)

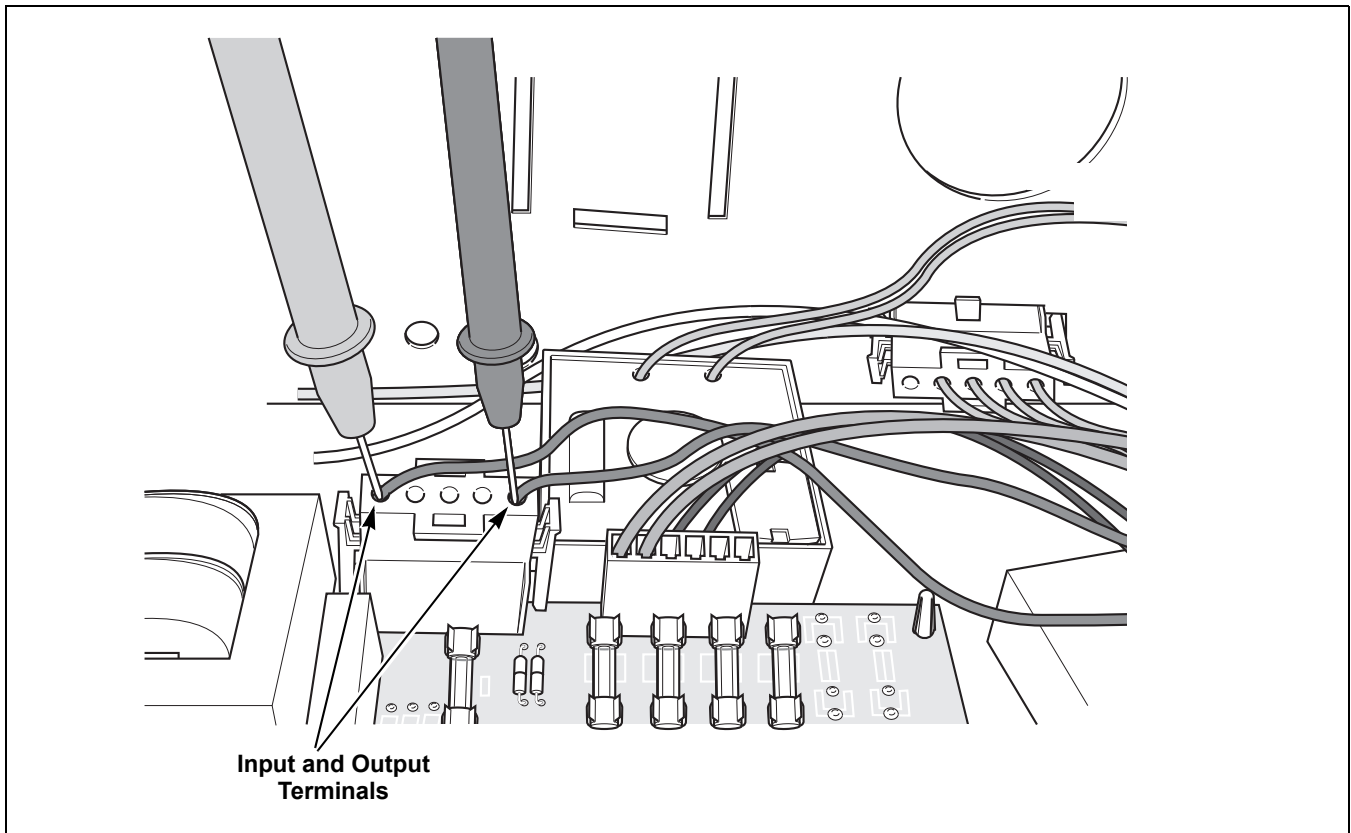


Figure 25

CHM447S

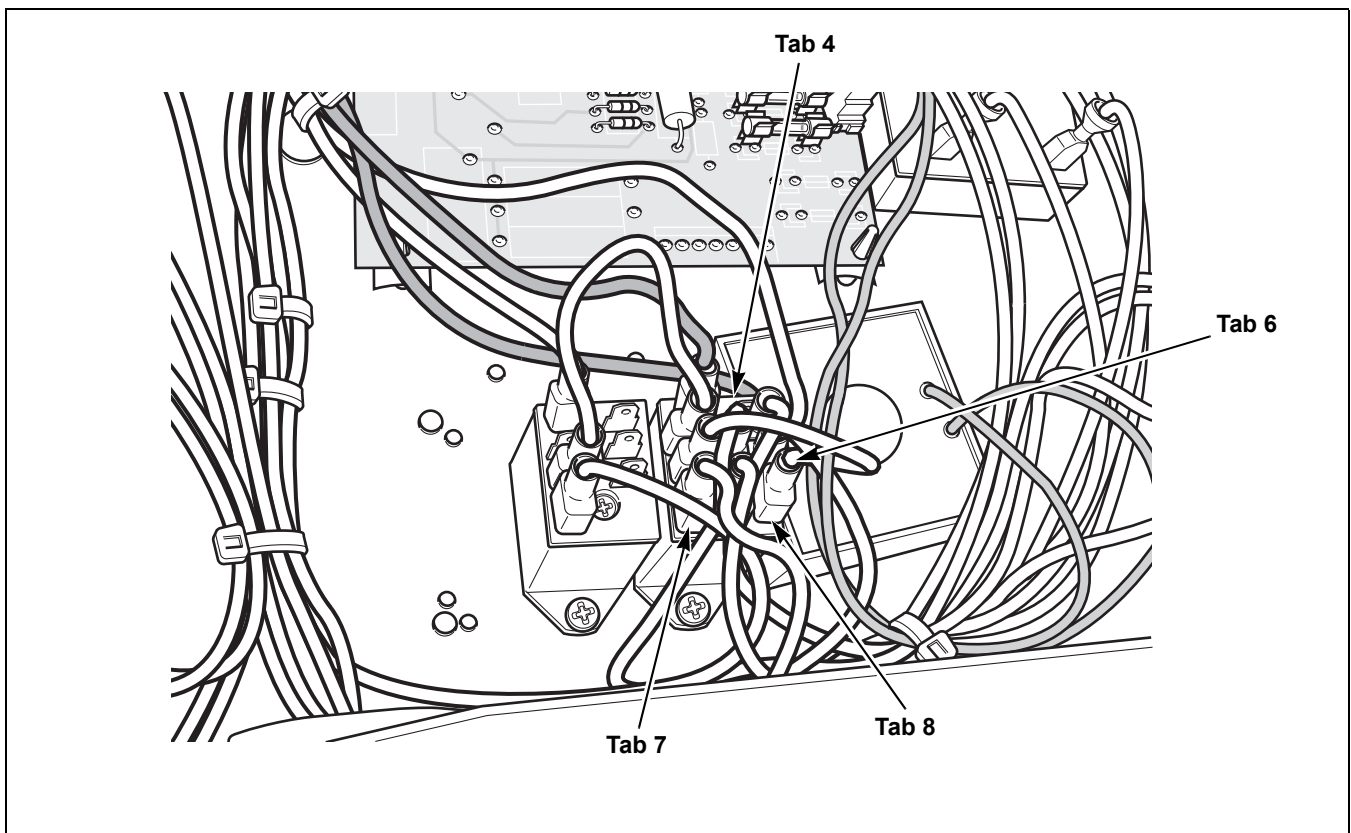
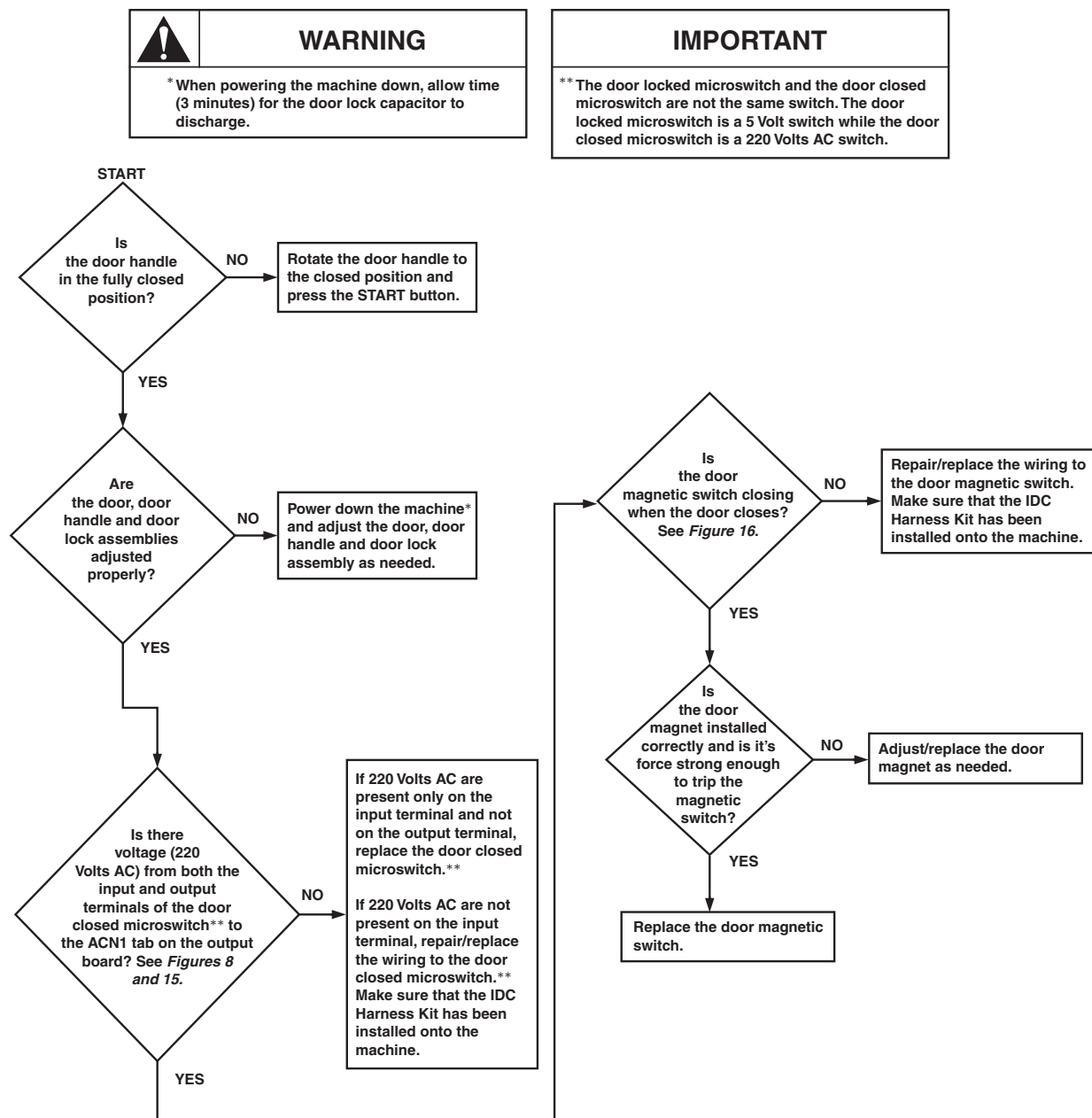


Figure 26

CHM317S

14. The Display Shows “CANT/LOC” or “SHUT/DOOR”: Flowchart 3

Before beginning the troubleshooting, be sure that the IDC Harness Kit (Part No. F200189300 [all voltage models except C-voltage] and F200189301 [C-voltage models]) has been installed onto the machine.



CHM451S

The Display Shows “CANt/LOC” or “SHUT/DOOR”: Flowchart 3 (cont.)

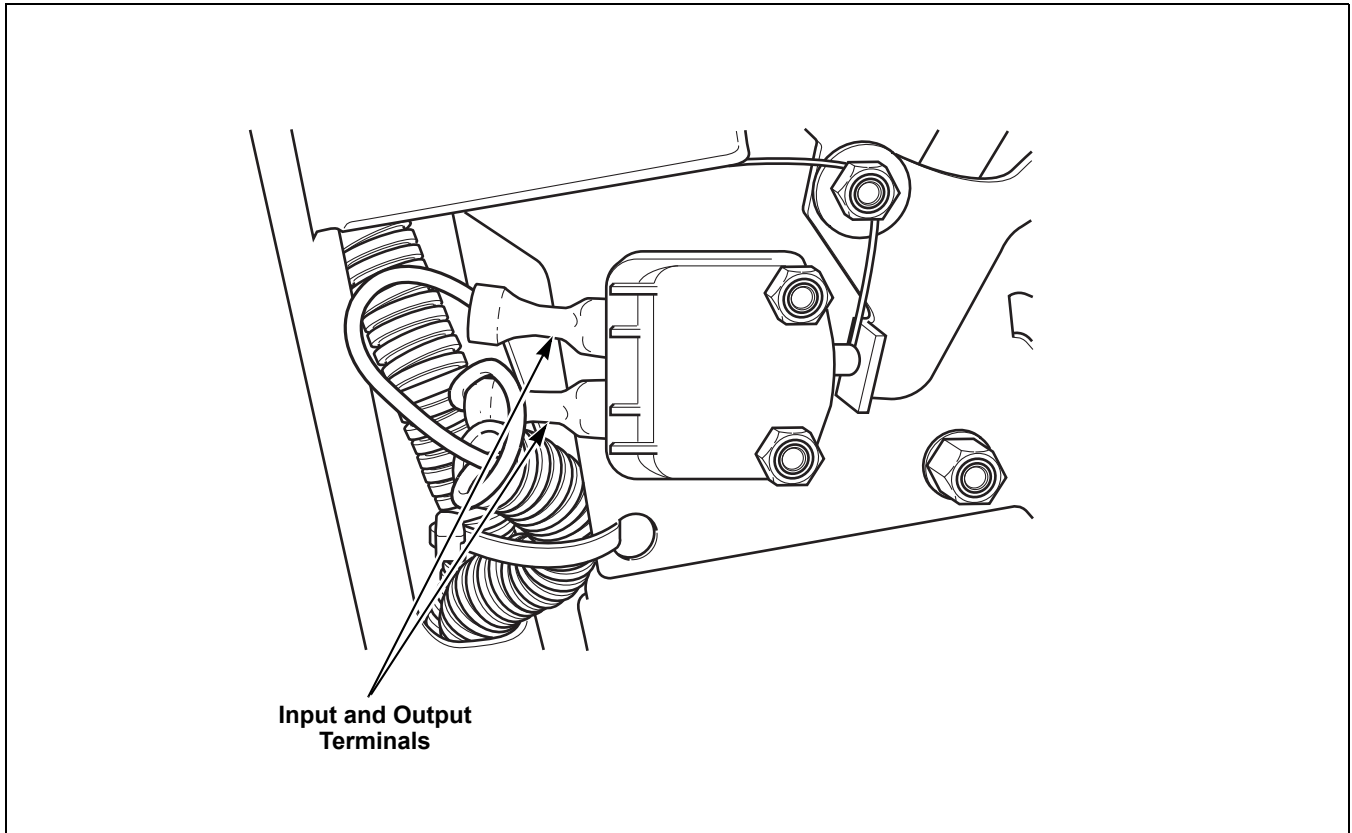


Figure 27 – Door Closed Microswitch

CHM318S

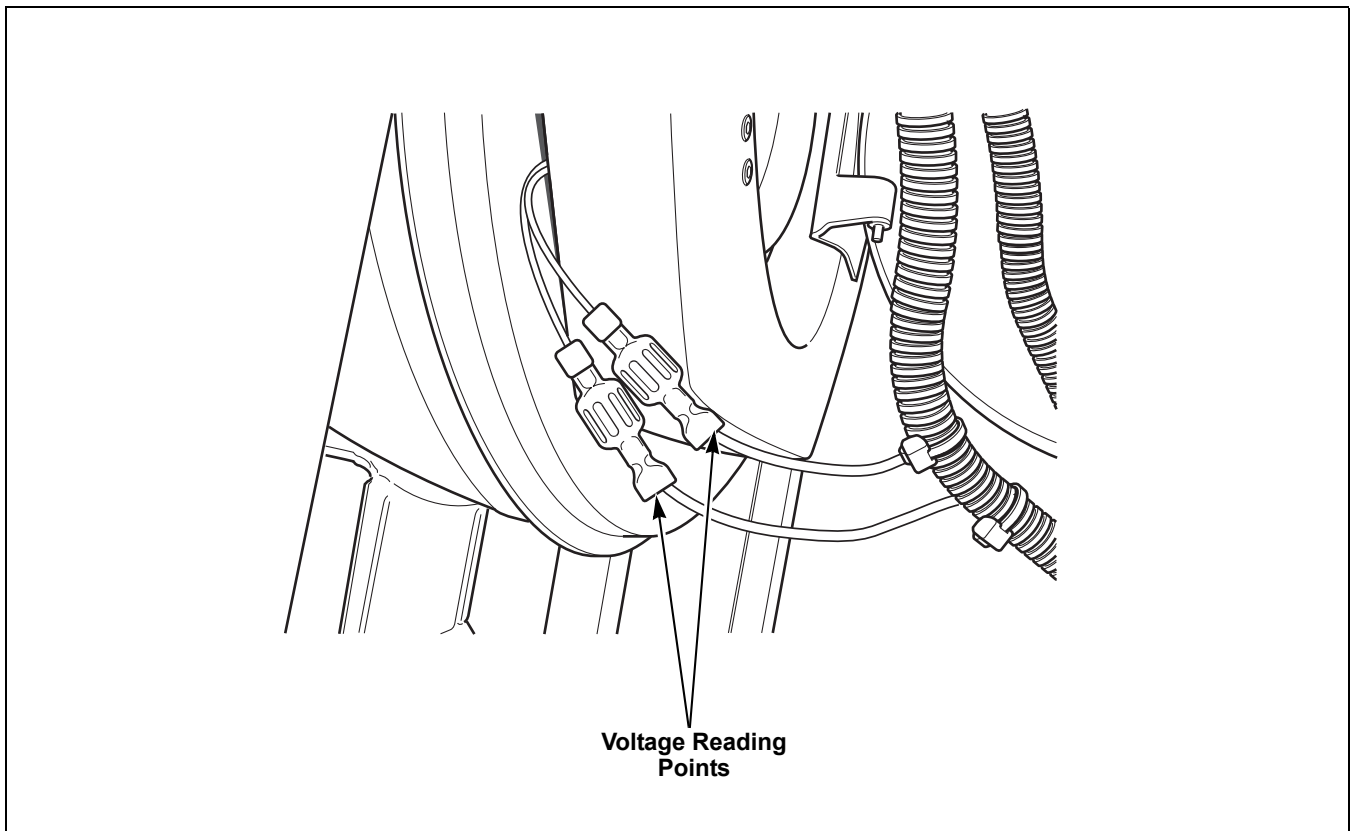
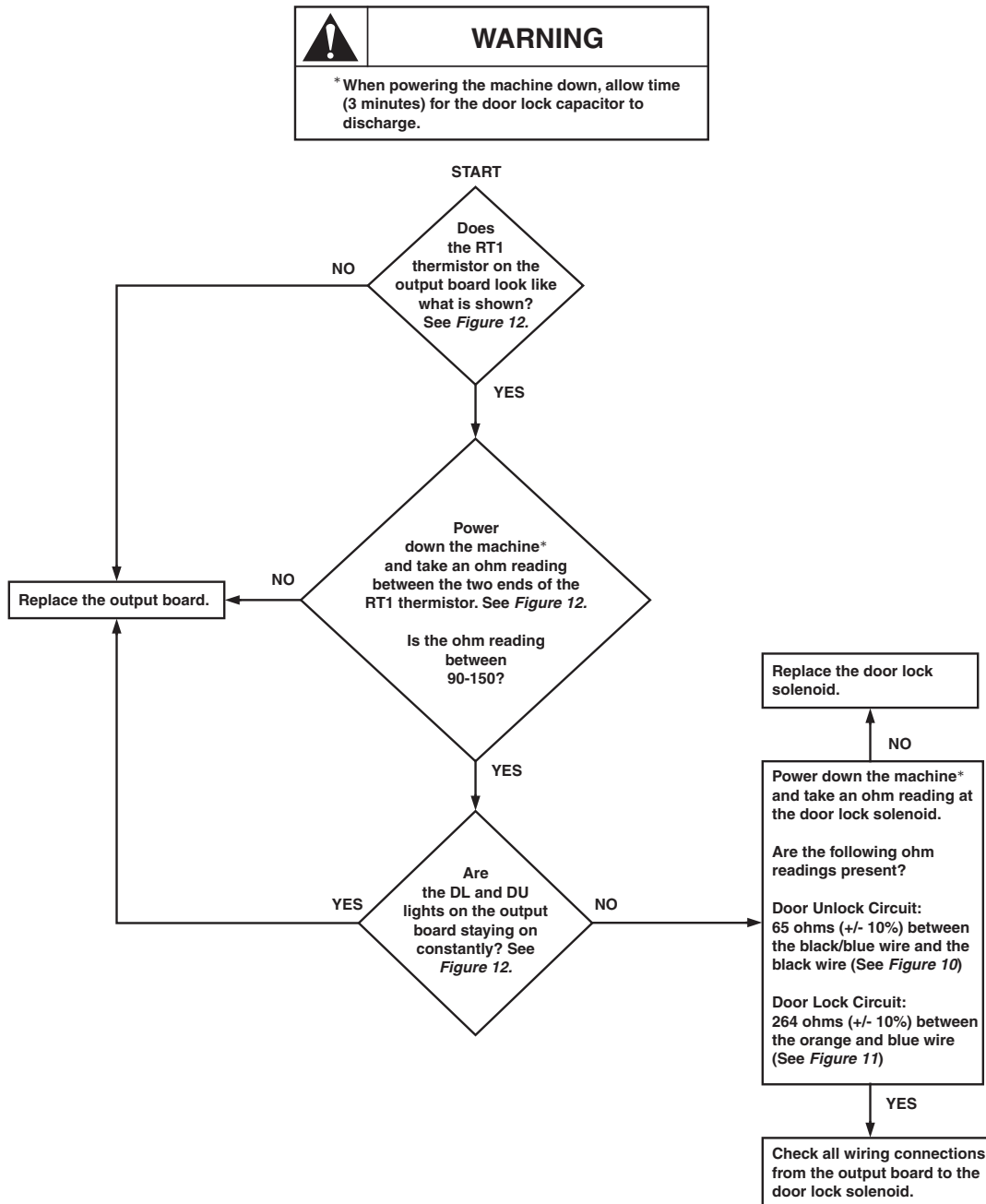


Figure 28 – Wires to the Door Magnetic Switch

CHM319S

15. At the End of a Cycle, The Display Shows “CANT/OPEN”

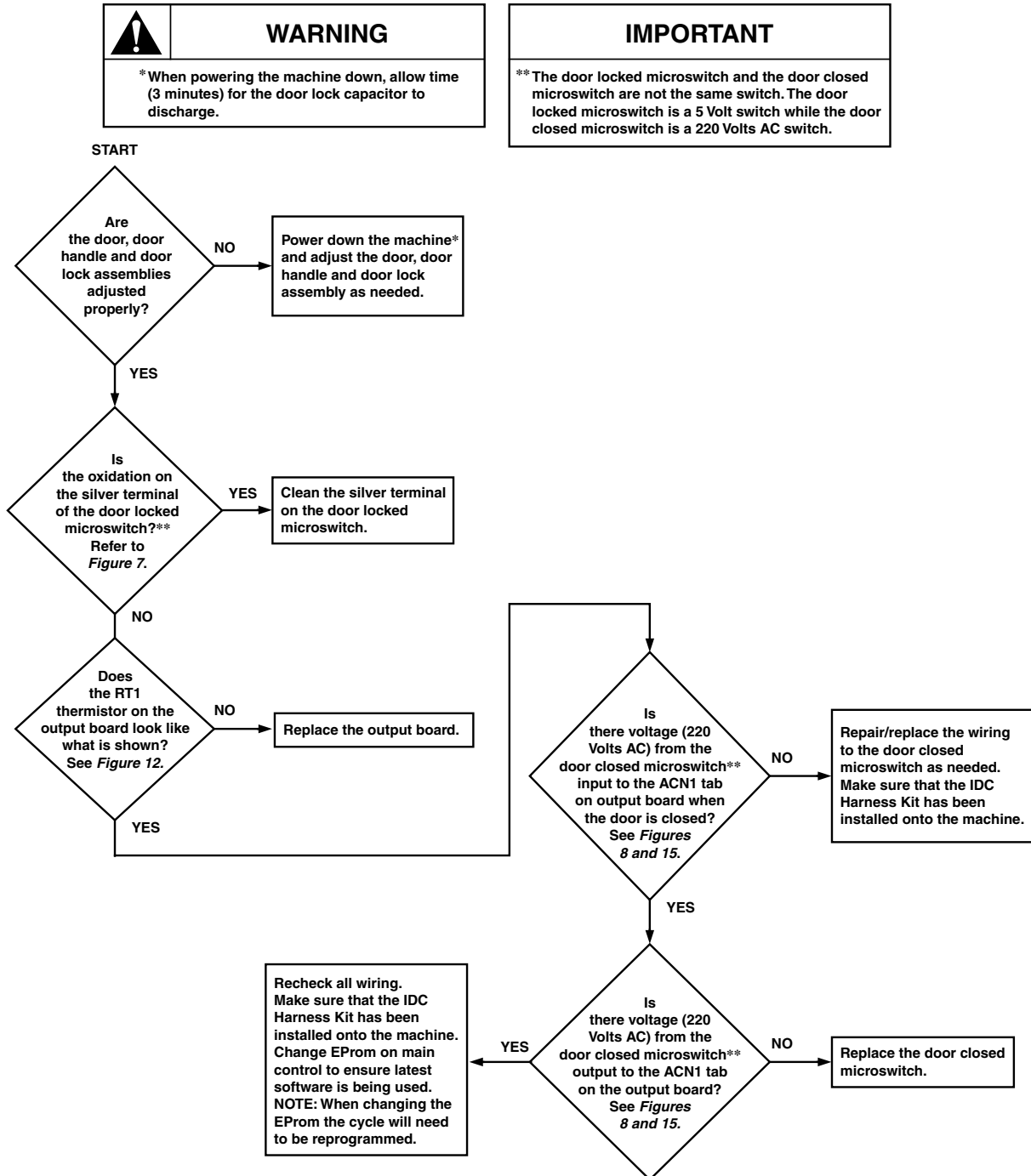
Before beginning the troubleshooting, be sure that the IDC Harness Kit (Part No. F200189300 [all voltage models except C-voltage] and F200189301 [C-voltage models]) has been installed onto the machine.



CHM452S

16. In Mid-Cycle, The Display Shows “01”, the Door Unlocks and the Display Shows “DONE”

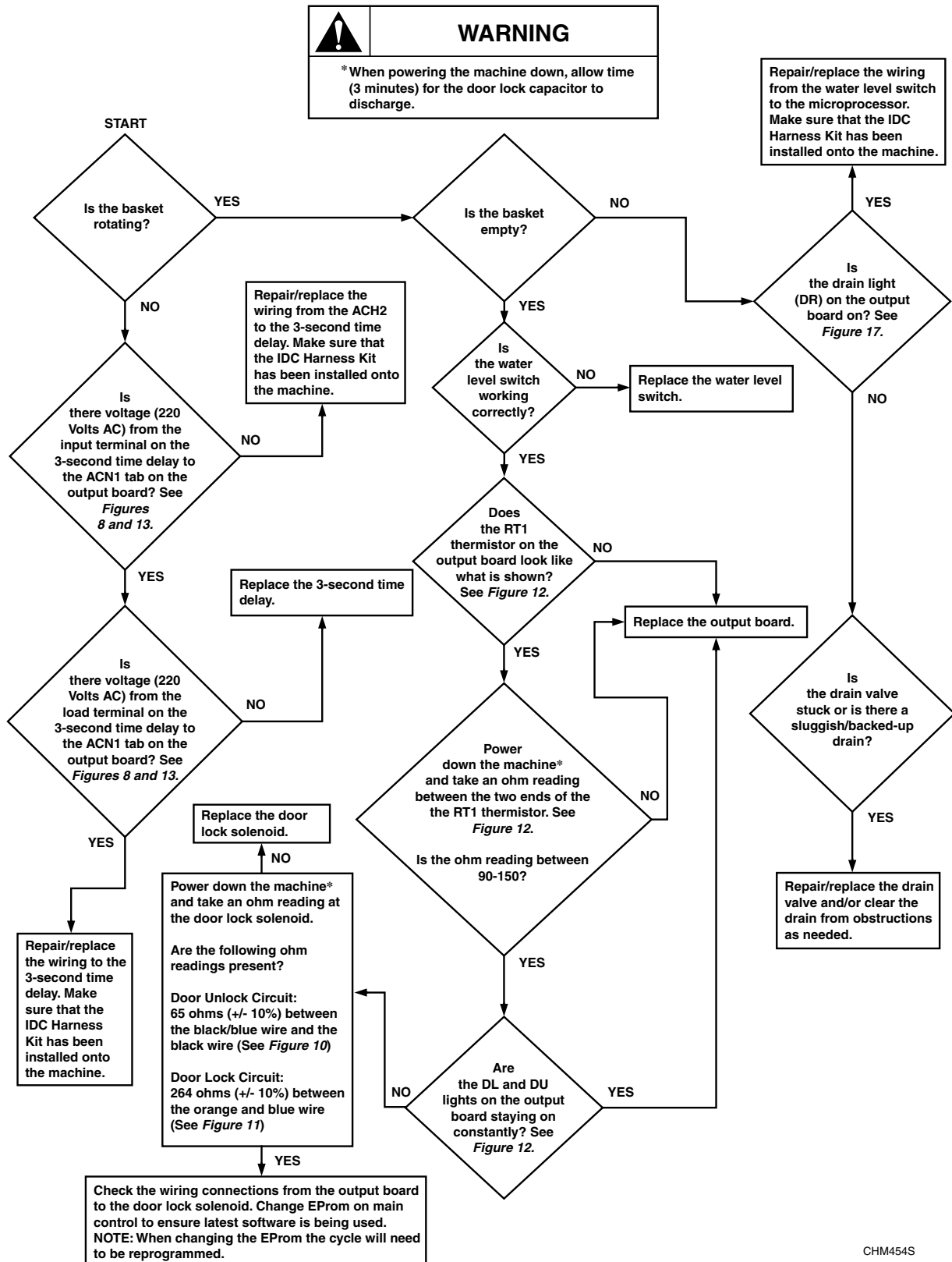
Before beginning the troubleshooting, be sure that the IDC Harness Kit (Part No. F200189300 [all voltage models except C-voltage] and F200189301 [C-voltage models]) has been installed onto the machine.



CHM453S

17. The Control Stops with “01” on the Display

Before beginning the troubleshooting, be sure that the IDC Harness Kit (Part No. F200189300 [all voltage models except C-voltage] and F200189301 [C-voltage models]) has been installed onto the machine.



CHM454S

The Control Stops with “01” on the Display (cont.)

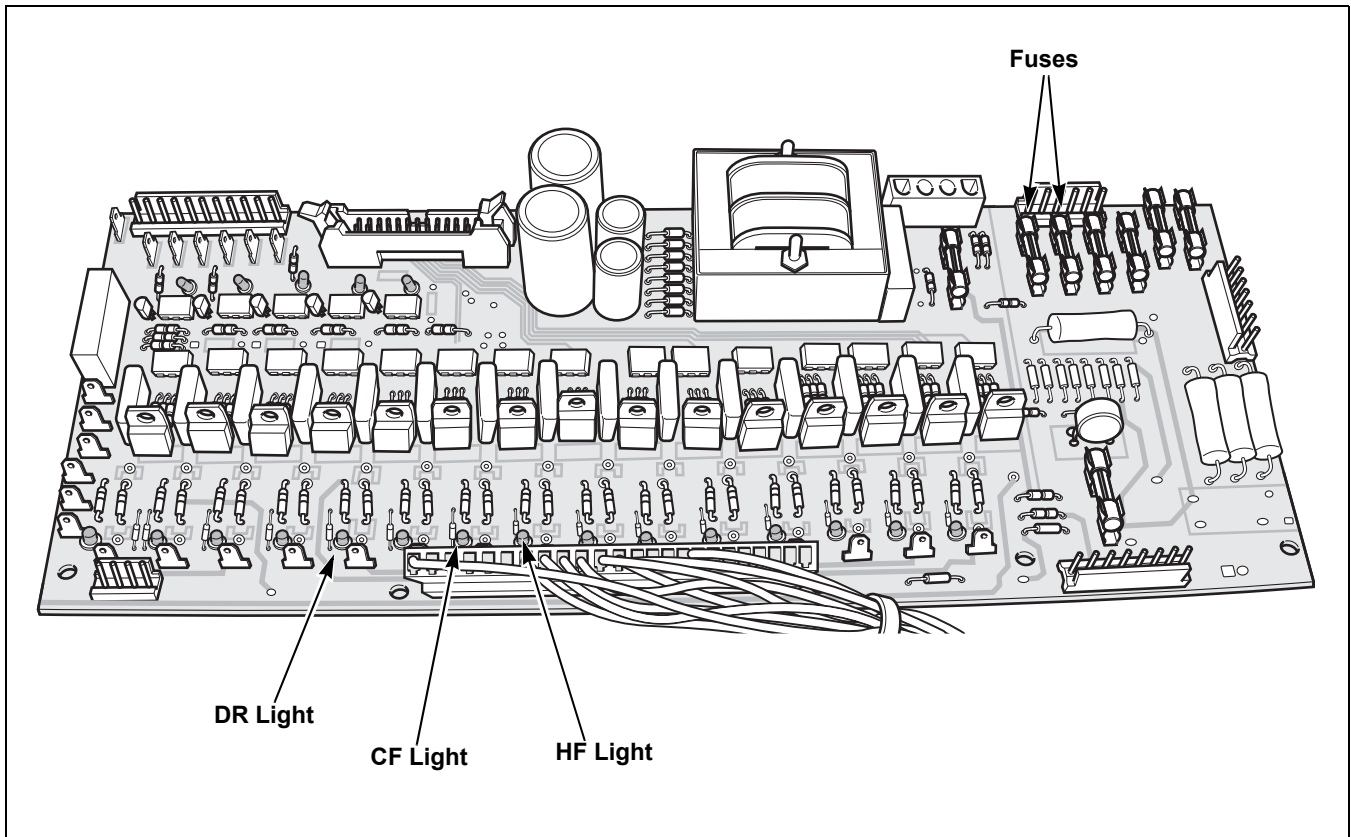
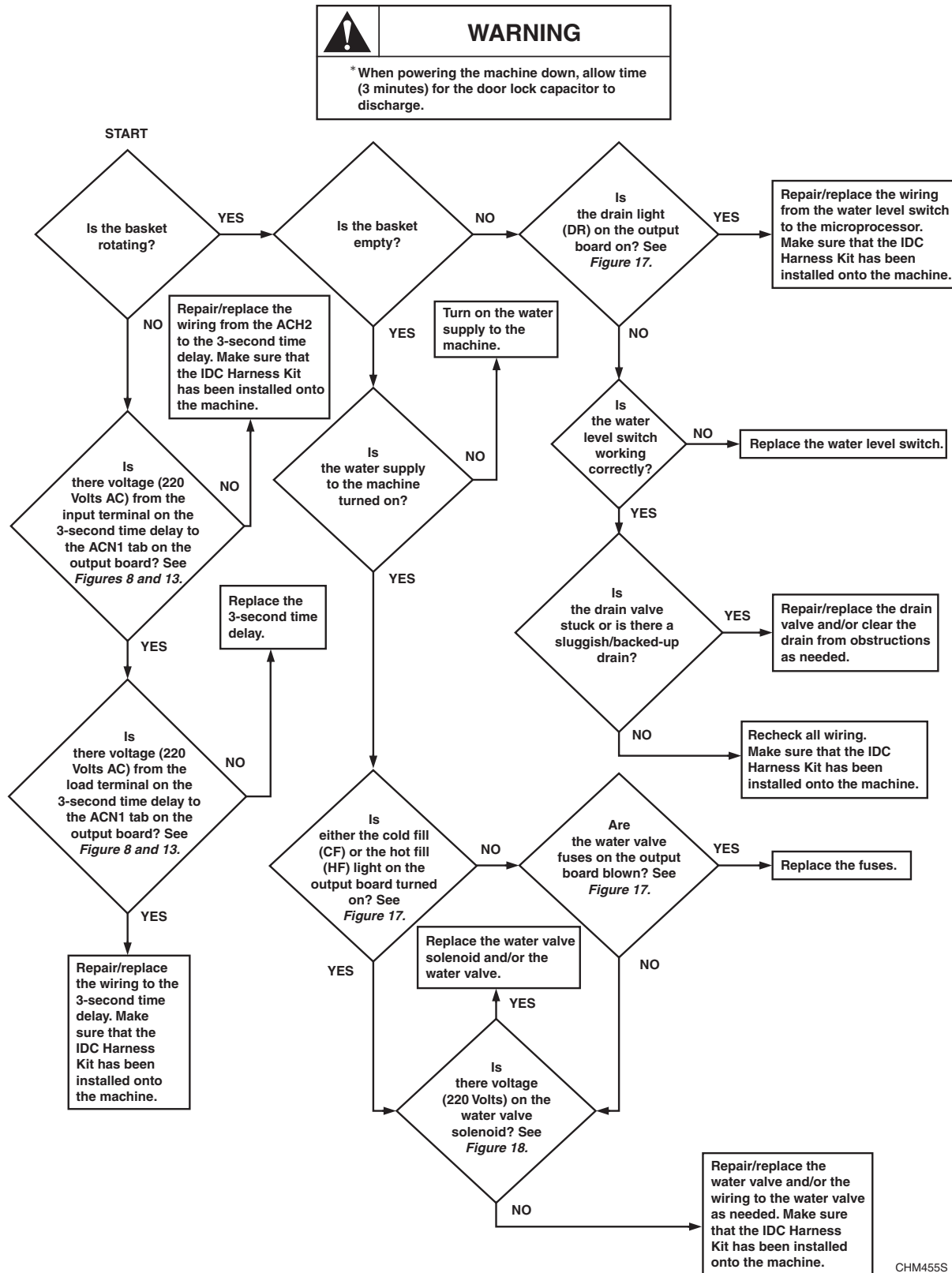


Figure 29

CHM448S

18. The Control Stops in Mid-Cycle and Will Not Advance

Before beginning the troubleshooting, be sure that the IDC Harness Kit (Part No. F200189300 [all voltage models except C-voltage] and F200189301 [C-voltage models]) has been installed onto the machine.



CHM455S

The Control Stops in Mid-Cycle and Will Not Advance (cont.)

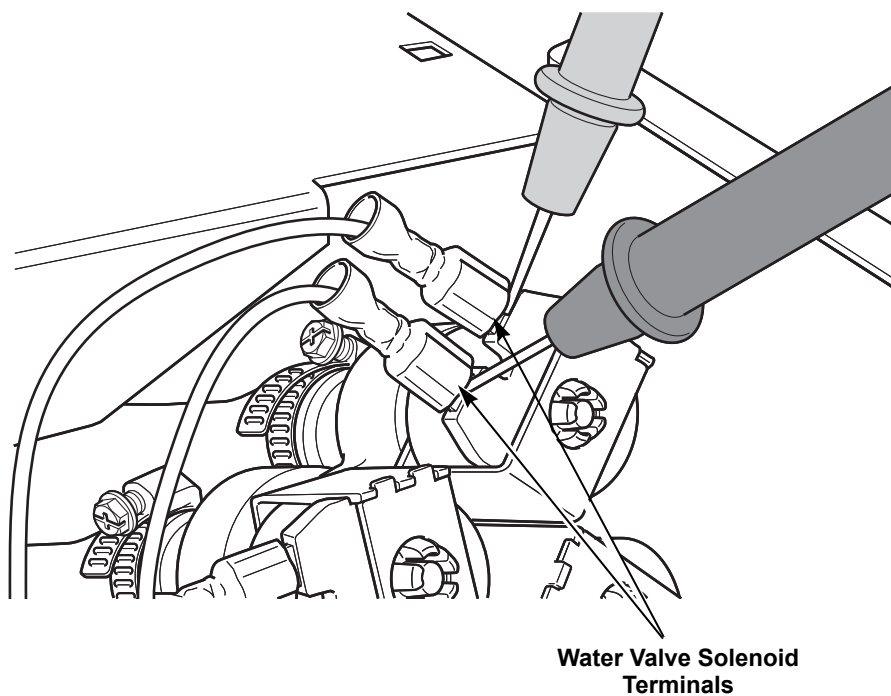


Figure 30

CHM321S

