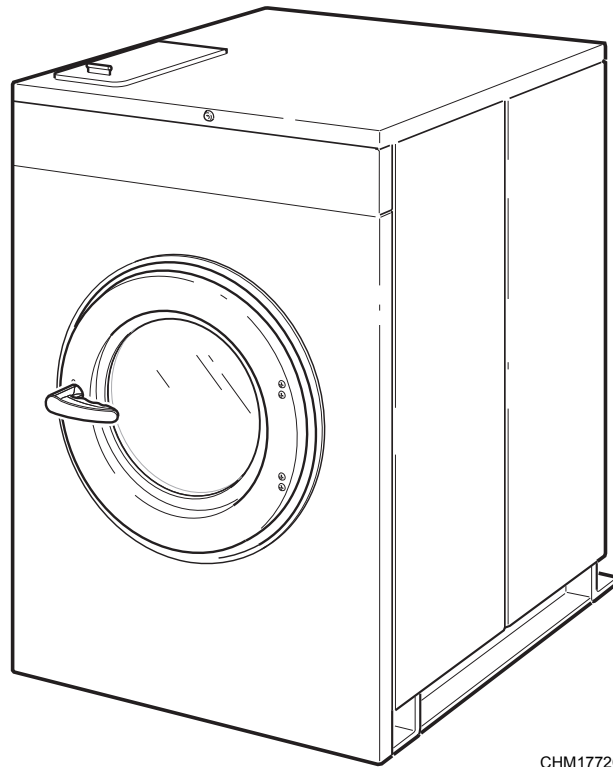


Washer-Extractors

Cabinet Hardmount

Refer to Page 6 for Model Identification



CHM1772C

Operation/Maintenance

Keep These Instructions for Future Reference.

(If this machine changes ownership, this manual must accompany machine.)



www.alliancelaundry.com

Part No. F8208401ENR5
February 2015

Table of Contents

Safety Information	2
Explanation of Safety Messages	2
Important Safety Instructions	2
Safety Decals	4
Operator Safety	5
Introduction	6
Model Identification	6
Nameplate Location	9
Replacement Parts	9
Customer Service	9
Operation	11
Operating Instructions	11
Maintenance	13
Daily	13
Beginning of Day	13
End of Day	13
Weekly	14
Monthly	14
Quarterly	16
Care of Stainless Steel	17


© Copyright 2015, Alliance Laundry Systems LLC


All rights reserved. No part of the contents of this book may be reproduced or transmitted in any form or by any means without the expressed written consent of the publisher.


Safety Information

Explanation of Safety Messages

Precautionary statements (“DANGER,” “WARNING” and “CAUTION”), followed by specific instructions, are found in this manual and on machine decals. 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.

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 for the proper grounding of the washer.
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 as 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 washing machine or combination washer-dryer, 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.
6. Do not allow children to play on or in the washer. Close supervision of children is necessary when the washer is used near children. This is a safety rule for all appliances.
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 electric shock or fire, DO NOT use an extension cord or an adapter to connect the washer to the electrical power source.
13. Use washer only for its intended purpose, washing textiles.
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 electrical supply before attempting any service. Disconnect the power cord by grasping the plug, not the cord.
16. Install the washer according to the INSTALLATION INSTRUCTIONS. All connections for water, drain, electrical power and grounding must comply with local codes and be made by licensed personnel when required.
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 and cleaning cloths, must not be put into the washer. These flammable substances may cause the fabric to catch on fire by itself.
18. Do not use fabric softeners or products to eliminate static unless recommended by the manufacturer of the fabric softener or product.
19. Keep washer in good condition. Bumping or dropping the washer can damage safety features. If this occurs, have 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 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. Loading door MUST BE CLOSED any time the washer is to fill, tumble or spin. DO NOT bypass the loading door switch by permitting the washer to operate with the loading door open.
23. Always read and follow manufacturer's instructions on packages of laundry and cleaning aids. Heed all warnings or 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 which can produce bodily injury and/or property damage.


NOTE: The WARNINGS 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, or operating the washer.


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>	
<small>SW004</small>	

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>	
<small>W703</small>	

	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>	
<small>SW025</small>	

	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>	
<small>SW014</small>	

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.

Operator Safety

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


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 and start the machine. The machine should not start with the door unlocked.
 - c. 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, disconnect power and 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
<p>Operating the machine with severe out-of-balance loads could result in personal injury and serious equipment damage.</p>	
<small>W728</small>	

(Continued)

Model

40 POUND	HCD040LD2	HCN040KDV	SCL040GN2	SCN040JD2	SCU040GD2	SCU040KN2
	HCL040GN2	HCN040KEF	SCL040HN2	SCN040JE2	SCU040GE2	SCU040KNF
	HCL040HC2	HCN040KEV	SCL040HNF	SCN040JEF	SCU040GL2	SCU040KNV
	HCL040HDF	HCN040KY2	SCL040JC2	SCN040JY2	SCU040GN2	SCU040WEV
	HCL040HE2	HCN040KYF	SCL040JD2	SCN040JYF	SCU040GX2	UCL040GN2
	HCL040HN2	HCN040KYV	SCL040JDF	SCN040JYV	SCU040GY2	UCL040HN2
	HCL040KD2	HCU040GC2	SCL040JE2	SCN040KN2	SCU040HN2	UCL040HNF
	HCL040KDF	HCU040GD2	SCL040JEF	SCN040KNF	SCU040HNF	UCL040KN2
	HCL040KDV	HCU040GE2	SCL040JX2	SCN040KNV	SCU040JC2	UCL040KNF
	HCN040GC2	HCU040GL2	SCL040JXF	SCN040LC2	SCU040JCF	UCL040KNV
	HCN040GD2	HCU040GN2	SCL040JXV	SCN040LCF	SCU040JCV	UCN040GN2
	HCN040GE2	HCU040GX2	SCL040KN2	SCN040LCV	SCU040JD2	UCN040HN2
	HCN040GN2	HCU040GY2	SCL040KNF	SCN040LD2	SCU040JDF	UCN040HNF
	HCN040GX2	HCU040HC2	SCL040KNV	SCN040LDV	SCU040JDV	UCN040KN2
	HCN040GY2	HCU040HN2	SCL040LE2	SCN040LE2	SCU040JE2	UCN040KNF
	HCN040HC2	HCU040HNF	SCN040GC2	SCN040LY2	SCU040JEF	UCN040KNV
	HCN040HCF	HCU040HX2	SCN040GD2	SCN040LYF	SCU040JEV	UCU040GN2
	HCN040HN2	HCU040KCF	SCN040GE2	SCN040LYV	SCU040JL2	UCU040HN2
	HCN040HNF	HCU040KCV	SCN040GN2	SCN040WC2	SCU040JLF	UCU040HNF
	HCN040HY2	HCU040KE2	SCN040GX2	SCN040WCF	SCU040JLV	UCU040KN2
	HCN040HYF	HCU040KY2	SCN040GY2	SCN040WCV	SCU040JX2	UCU040KNV
	HCN040KC2	HCU040KYF	SCN040HN2	SCN040WDV	SCU040JXF	VCU040GN2
	HCN040KCF	HCU040KYV	SCN040HNF	SCN040WY2	SCU040JXV	
	HCN040KCV	SCD040GD2	SCN040JC2	SCN040WYF	SCU040JY2	
	HCN040KD2	SCD040LD2	SCN040JCF	SCN040WYV	SCU040JYF	
	HCN040KDF	SCL040GC2	SCN040JCV	SCU040GC2	SCU040JYV	
60 POUND	HCD060LD2	HCN060KDV	SCL060GC2	SCN060JDF	SCN060WYV	SCU060JY2
	HCL060GN2	HCN060KEF	SCL060GN2	SCN060JEF	SCU060GC2	SCU060JYF
	HCL060HCF	HCN060KEV	SCL060HN2	SCN060JX2	SCU060GD2	SCU060JYV
	HCL060HN2	HCN060KY2	SCL060HNF	SCN060JY2	SCU060GE2	SCU060KN2
	HCL060KD2	HCN060KYF	SCL060JC2	SCN060JYF	SCU060GL2	SCU060KNF
	HCL060KDF	HCN060KYV	SCL060JCF	SCN060JYV	SCU060GN2	SCU060KNV
	HCL060KDV	HCU060GC2	SCL060JD2	SCN060KN2	SCU060GX2	SCU060WEV
	HCN060GC2	HCU060GD2	SCL060JE2	SCN060KNF	SCU060GY2	UCL060GN2
	HCN060GD2	HCU060GE2	SCL060JX2	SCN060KNV	SCU060HN2	UCL060HN2
	HCN060GE2	HCU060GL2	SCL060KN2	SCN060LC2	SCU060HNF	UCL060HNF
	HCN060GN2	HCU060GN2	SCL060KNV	SCN060LCF	SCU060JC2	UCL060KN2
	HCN060GX2	HCU060GX2	SCL060LE2	SCN060LCV	SCU060JCF	UCL060KNF
	HCN060GY2	HCU060GY2	SCN060GC2	SCN060LD2	SCU060JCV	UCL060KNV
	HCN060HC2	HCU060HC2	SCN060GD2	SCN060LDV	SCU060JD2	UCN060GN2
	HCN060HCF	HCU060HN2	SCN060GE2	SCN060LE2	SCU060JDF	UCN060HN2
	HCN060HDF	HCU060HNF	SCN060GN2	SCN060LY2	SCU060JDV	UCN060HNF
	HCN060HN2	HCU060HX2	SCN060GNF	SCN060LYF	SCU060JE2	UCN060KN2
	HCN060HNF	HCU060KCF	SCN060GX2	SCN060LYV	SCU060JEF	UCN060KNF
	HCN060HY2	HCU060KCV	SCN060GY2	SCN060WC2	SCU060JEV	UCN060KNV
	HCN060HYF	HCU060KEV	SCN060HN2	SCN060WCF	SCU060JL2	UCU060GN2
	HCN060KC2	HCU060KY2	SCN060HNF	SCN060WCV	SCU060JLF	UCU060HN2
	HCN060KCF	HCU060KYF	SCN060JC2	SCN060WD2	SCU060JLV	UCU060HNF
	HCN060KCV	HCU060KYV	SCN060JCF	SCN060WDV	SCU060JX2	UCU060KN2
	HCN060KD2	SCD060GD2	SCN060JCV	SCN060WY2	SCU060JXF	UCU060KNV
	HCN060KDF	SCD060LD2	SCN060JD2	SCN060WYF	SCU060JXV	VCU060GN2

(Continued)

Introduction

(Continued)

Model

80 POUND	HCD080LDV	HCN080KCV	HCU080HXF	SCN080JCF	SCU080GLF	SCU080JYF
	HCL080HNF	HCN080KDF	HCU080KCF	SCN080JCV	SCU080GNF	SCU080JYV
	HCL080KDF	HCN080KDV	HCU080KCV	SCN080JDF	SCU080GXF	SCU080KNV
	HCL080KDV	HCN080KEV	HCU080KYF	SCN080JYF	SCU080GYF	UCL080GNF
	HCN080GCF	HCN080KYF	HCU080KYV	SCN080JYV	SCU080HNF	UCL080HNF
	HCN080GDF	HCN080KYV	SCL080GNF	SCN080KNV	SCU080JCF	UCL080KNV
	HCN080GEF	HCU080GCF	SCL080HNF	SCN080LCV	SCU080JCV	UCN080GNF
	HCN080GNF	HCU080GDF	SCL080KNV	SCN080LDV	SCU080JDF	UCN080HNF
	HCN080GXF	HCU080GEF	SCN080GCF	SCN080LYV	SCU080JDV	UCN080KNV
	HCN080GYF	HCU080GLF	SCN080GDF	SCN080WCV	SCU080JEF	UCU080GNF
	HCN080HCF	HCU080GNF	SCN080GEF	SCN080WDV	SCU080JEV	UCU080HNF
	HCN080HDF	HCU080GXF	SCN080GNF	SCN080WYV	SCU080JLF	UCU080KNV
	HCN080HNF	HCU080GYF	SCN080GXF	SCU080GCF	SCU080JLV	VCU080GNF
	HCN080HYF	HCU080HCF	SCN080GYF	SCU080GDF	SCU080JXF	
	HCN080KCF	HCU080HNF	SCN080HNF	SCU080GEF	SCU080JXV	
	125 POUND	HCN125KYV	SCU125KNV			
SCL125KNV		UCL125HNV				
SCN125KNV		UCL125KNV				
SCN125LYV		UCU125HNV				
SCN125WYV		UCU125KNV				

Nameplate Location

The nameplate is located at the rear of the machine and inside door. Always provide the machine's serial number and model number when ordering parts or when seeking technical assistance.

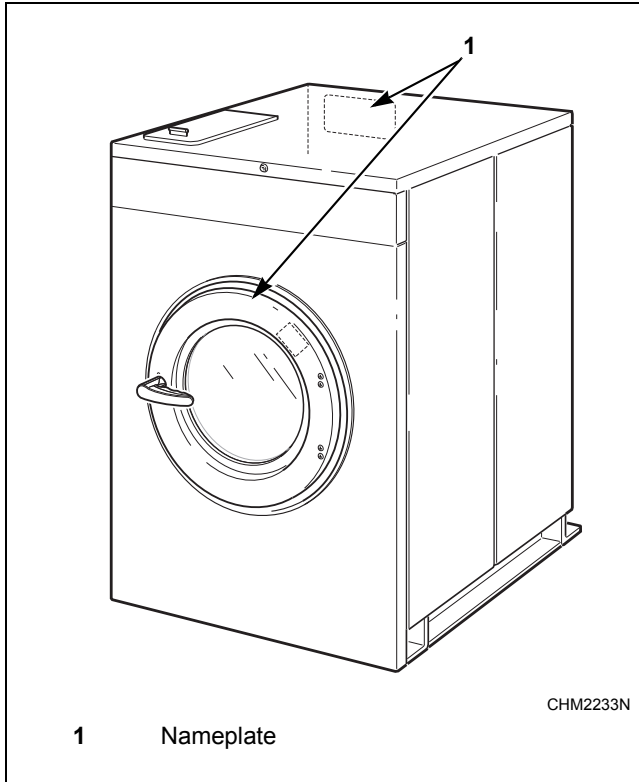


Figure 1

Replacement Parts

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 and address of the nearest authorized parts distributor.

Customer Service

For technical assistance, call:

(920) 748-3121
Ripon, Wisconsin

+32 56 41 2054
Wevelgem, Belgium

Introduction

Model Number Familiarization Guide	
Sample Model Number: *CN040GC2OU1D01	
*C	Product Family
N	Agency Approval
040	Washer-Extractor Capacity (pounds dry weight of laundry)
G	Type of Control
C	Actuation (C = Coin drop)
2	Washer-Extractor Speed Capability (2 = 2 speed)
O	Electrical Characteristics
U	Panel Type
1	Design Series
D	Heat Feature (D = Direct Steam)
01	Option Identification (varies from machine to machine)

* Denotes Brand

Model No. ***CN040GC2OUID01**

Serial No. **00000000000**

Voltage **208 – 240** Hz **60** Phase **3**


Number of wires: **3** FLA: amps


Circuit Breaker Size: **3** amps

Max. Load: **40** LB **18.2** KG

Schematic:

Supply Water: **30 - 85 psi, 2 - 5.7 BAR**





ETL LISTED
CONFORMS TO
ANSI/UL STD. 1555
US ANSI/UL STD. 1206

ETL TESTING LABORATORIES, INC.
CORTLAND, NEW YORK 13045

EXAMPLE OF NAMEPLATE

CHM2286N

Figure 2

Operation

Operating Instructions

1. Turn on main power source (circuit breaker).
2. Turn handle clockwise to open. Refer to *Figure 3*.

NOTE: For 125 capacity models through 1/31/11, press the Unlock/Stop keypad, push the button on door handle and turn handle counter clockwise to open.

For 125 capacity models starting 2/1/11, turn handle clockwise to open.

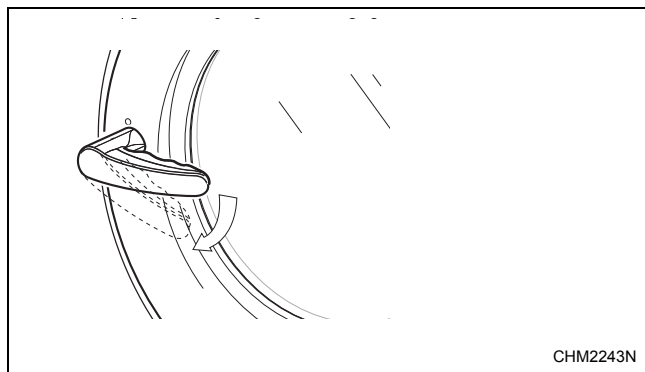


Figure 3

3. Load to capacity whenever possible. DO NOT OVERLOAD. Refer to *Figure 4*.

NOTE: Underloading can cause out-of-balance conditions that can shorten machine life.

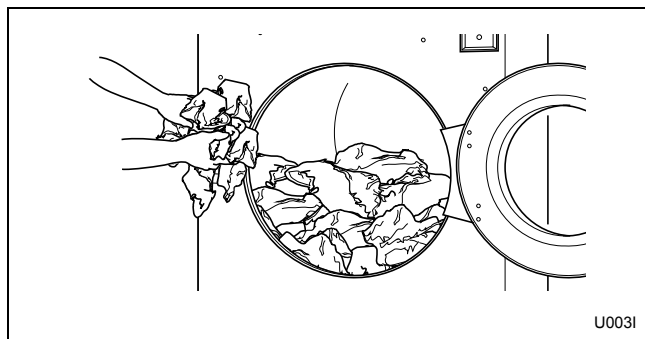


Figure 4

4. Close door and turn handle counter clockwise. Refer to *Figure 5*.

NOTE: For 125 capacity models through 1/31/11, close door and turn handle clockwise.

For 125 capacity models starting 2/1/11, close door and turn handle counter clockwise.

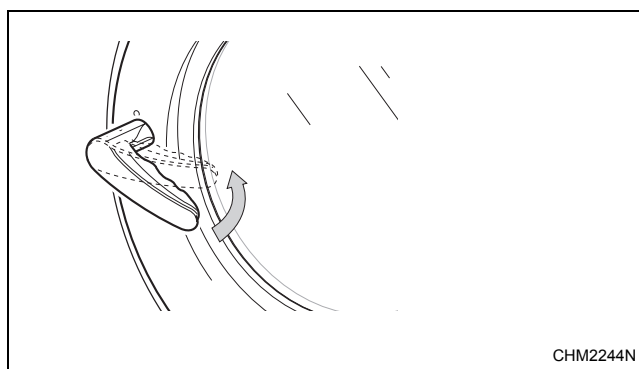


Figure 5

5. The default wash cycle will display.



WARNING

To prevent personal injury, avoid contact with inlet water temperatures higher than 125° Fahrenheit (51° Celsius) and hot surfaces.

W748

6. Select the desired soil setting (select models only), cycle setting (select models only) and cycle/temperature. The LED indicator(s) for that cycle will light.

Operation

7. Add liquid and/or powder supplies to supply dispenser. Refer to *Figure 6*.

a. Detergent:

- Liquid - Compartment 1 (prewash) + Compartment 3
- Powder - Compartment 1 (prewash) + Compartment 2

b. Bleach:

- Liquid - Compartment 3
- Powder - Compartment 2

c. Softener:

- Liquid - Compartment 4

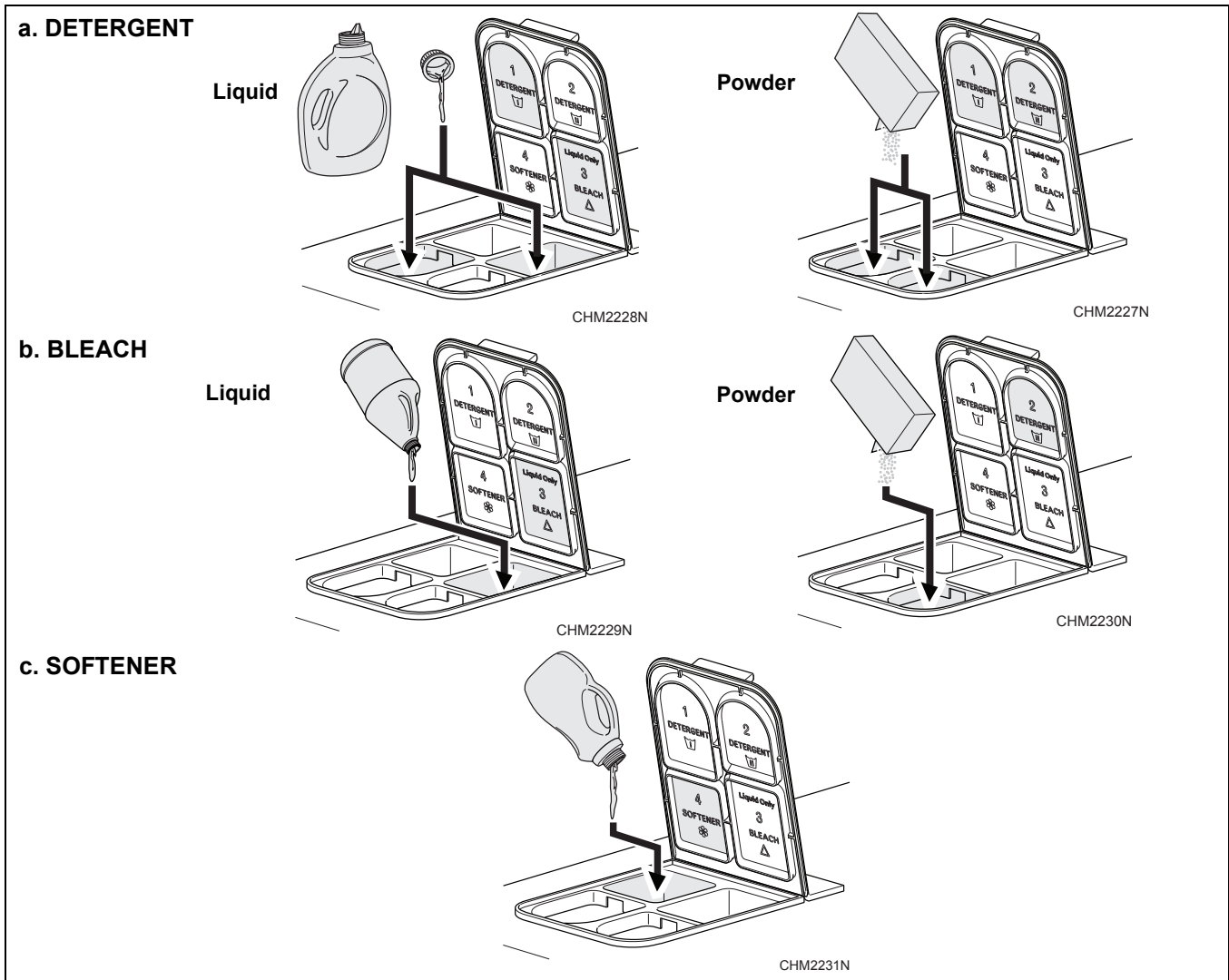


Figure 6


8. **For vended models only.** Insert coin(s) or card as necessary.

- If the machine is a coin operated unit, add coins. As each coin is added, the vend counts down to the amount remaining.
- If the machine is a card operated unit, insert and remove card per card system instructions.
- If the unit is interfaced to a central/remote pay system, go to the central/remote pay console,

make payment and select the machine and follow central/remote pay system instructions.

9. Press the START keypad.
10. During first fill, the desired wash cycle can be changed. After first fill has ended, the wash cycle active at that moment remains the chosen wash cycle.
11. When cycle is complete, display shows "00".

Maintenance

	WARNING
<p>Sharp edges can cause personal injury. Wear safety glasses and gloves, use proper tools and provide lighting when handling sheet metal parts.</p>	
<small>W366R1</small>	

IMPORTANT: Replace all panels that are removed to perform service and maintenance procedures. Do not operate the machine with missing guards or with broken or missing parts. Do not bypass any safety devices.

Daily

IMPORTANT: Door lock should be checked daily to ensure proper operation. Also check that all safety and instruction stickers are on the machine. Any missing or illegible safety instructions stickers should be replaced immediately.

Beginning of Day

1. Inspect water inlet valve hose connections on the back of the machine for leaks.
2. Inspect steam hose connections for leaks (where applicable).

3. Check door interlock before starting operation:
 - a. Attempt to start the machine with the door open. The machine should not start with the door open.
 - b. Close the door and start the machine. The machine should not start with the door unlocked.
 - c. 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, disconnect power and call a service technician.

End of Day

1. Clean the door gasket of residual detergent and all foreign matter.
2. Clean the door glass with a damp cloth.
3. Clean automatic supply dispenser lid and general area.
4. Clean the machine's top, front and side panels with mild detergent. Rinse with clean water.
5. Leave loading door open at the end of each day to allow moisture to evaporate.

NOTE: Unload the machine promptly *after each completed cycle* to prevent moisture buildup. Leave loading door open *after each completed cycle* to allow moisture to evaporate.

Maintenance

Weekly

1. Check the machine for leaks.
 - a. Start an unloaded cycle to fill the machine.
 - b. Verify that door and door gasket do not leak.
 - c. Verify that the drain valve is operating and that the drain system is free from obstruction. If water does not leak out during the first wash segment, the drain valve is closed and functioning properly.

For F and variable-speed models only, clean the AC drive box filter(s) weekly or more frequently as needed:

1. Wash the filter with warm water and allow filter to air dry. As an alternative, the filter may be vacuumed clean.

IMPORTANT: The control module cover and fan filter must be in place for the fan to properly cool the AC inverter drive. Failure to observe this warning will void the warranty and could lead to expensive AC inverter drive repair.

Monthly

NOTE: Disconnect power to the machine at its source before performing the monthly maintenance procedures.

1. Use the following procedures to determine if V-belt(s) require replacement or adjustment. Call a qualified service technician in either case.
 - a. Check V-belt(s) for uneven wear and frayed edges.
 - b. For groove-pulley drive systems, verify alignment by placing a straightedge across both pulley faces. The straightedge should make contact with the pulleys in four places. Refer to *Figure 7*.

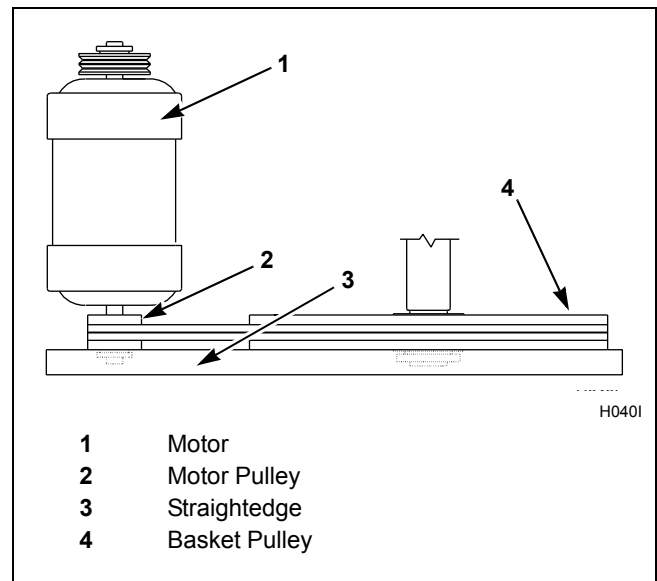


Figure 7

c. For flat-pulley drive systems, verify allowable distance of belt from edge of pulley. Refer to *Table 1* below.

Flat-Pulley Alignment	
Model	Allowable Distance from Edge
20	.09 in. (2 mm)
30	.09 in. (2 mm)
40	.09 in. (2 mm)
60	.38 in. (10 mm)

Table 1

d. For **F** and variable-speed models only, verify that V-belts are properly tensioned by applying a set force to the belts and measuring the deflection to determine the belt tension. Refer to *Table 2* for the acceptable belt's tension ranges. Belt tension measurements should be taken as close to the center of the belt span as possible. Refer to *Figure 8*.

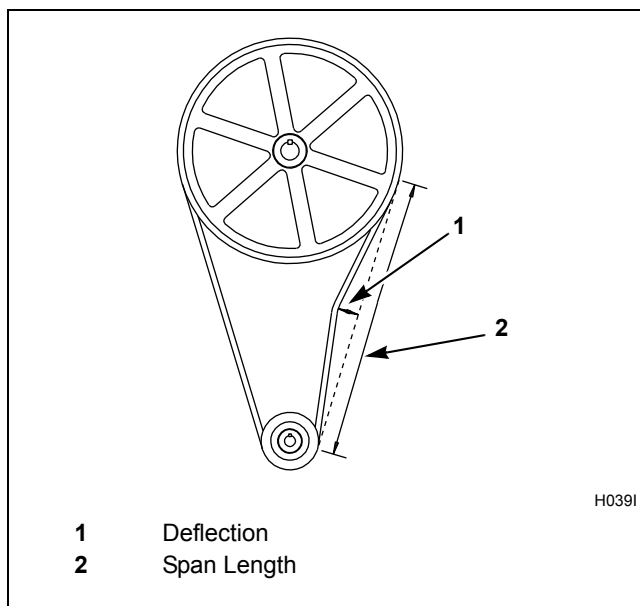


Figure 8

Belt Tension Testing for Variable-Speed Models				
Model	Belt	Belt Span	Deflection Range	Force Min – Max
40	Motor-Basket	16.9 in. (428 mm)	.31 – .34 in. (7.9 – 8.7 mm)	6.1 – 7.4 lbs. (27 – 33 N)
60	Motor-Basket	16.8 in. (426 mm)	.28 – .31 in. (7.1 – 7.9 mm)	6.1 – 7.4 lbs. (27 – 33 N)
80	Motor-Basket Banded Belt	22.1 in. (561 mm)	.22 – .25 in. (5.08 – 6.35 mm)	23 – 26 lbs. (102.3 – 115.6 N)

Table 2

2. For **80 and 125 pound capacity models only**, lubricate bearings and seals each month OR after every 200 hours of operation.
 - a. Use a premium-grade lithium-based #2 grease. Never mix two types of grease, such as petroleum and silicone.
 - b. Pump the grease gun slowly, permitting only the following number of strokes:
 - Bearing grease fitting, 2 strokes
 - Seal grease fitting, 2 stroke
3. Remove back panel and check overflow hose and drain hose for leaks.
4. Unlock and remove the top cover and check the supply dispenser hoses and hose connections.
5. Clean inlet hose filter screens:
 - a. Turn water off and allow valve to cool, if necessary.
 - b. Unscrew inlet hose and remove filter screen.
 - c. Clean with soapy water and reinstall. Replace if worn or damaged.
6. Tighten motor mounting bolt locknuts and bearing bolt locknuts. Check to see that the pin is in place.

NOTE: Do not pump the grease gun until grease comes out of the bearing housing. This can result in overlubrication, causing damage to bearings and seals.

Maintenance

7. Use compressed air to clean lint from motor.
8. Clean interior of machine, both basket and shell, by wiping with a water-soaked sponge or cloth.
9. Use compressed air to clean all electrical components of moisture and dust.
10. Verify the insulation is intact on all external wires and that all connections are secure. If bare wire is evident, call a service technician.
11. **For F and variable-speed models only**, clean AC drive cooling fan blades monthly (more often if required by the condition of the air).

Quarterly

NOTE: Disconnect power to the machine at its source before performing the quarterly maintenance procedures.

1. Tighten door hinges and fasteners, if necessary.
2. Tighten anchor bolts, if necessary.
3. Verify that the drain motor shield is in place and secure, if so equipped.
4. Check all painted surfaces for exposed metal. (Matching paint is available from the manufacturer.)
 - If bare metal is showing, paint with primer or solvent-based paint.
 - If rust appears, remove it with sandpaper or by chemical means and then paint with primer or solvent-based paint.
5. Clean customer-supplied steam filter, where applicable. Refer to *Figure 9*.
 - a. Turn off steam supply and allow time for the valve to cool.
 - b. Unscrew cap.
 - c. Remove element and clean.
 - d. Replace element and cap.

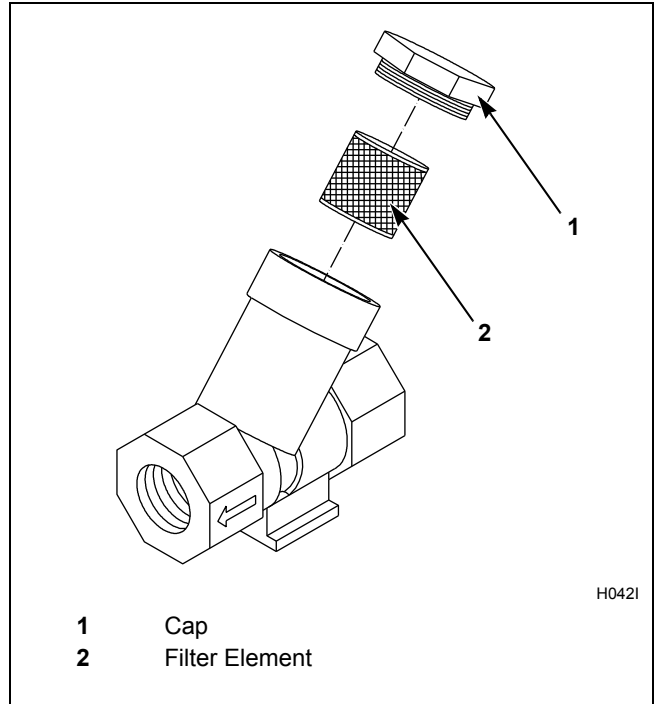


Figure 9

6. Check the bearing mounting bolts to make sure they are torqued properly. Refer to *Table 3* for specifications.

Machine Capacity	Bearing	Torque
20	All	75 ft-lbs.
30-60	All	105 ft-lbs.
80-125	Front	200 ft-lbs.
80-125	Rear	97 ft-lbs.

Table 3

Care of Stainless Steel

- Remove dirt and grease with detergent and water. Thoroughly rinse and dry after washing.
 - Avoid contact with dissimilar metals to prevent galvanic corrosion when salty or acidic solutions are present.
 - Do not allow salty or acidic solutions to evaporate and dry on stainless steel. Wipe clean of any residues.
 - Rub in the direction of the polish lines or “grain” of the stainless steel to avoid scratch marks when using abrasive cleaners. Use stainless steel wool or soft, non-metal bristle brushes. Do not use ordinary steel wool or steel brushes.
 - If the stainless steel appears to be rusting, the source of the rust may be an iron or steel part not made of stainless steel, such as a nail or screw.
Tip: Paint all carbon steel parts with a heavy protective coating. Stainless steel fasteners should be used whenever possible.
- Remove discoloration or heat tint from overheating by scouring with a powder or by employing special chemical solutions.
 - Do not leave sterilizing solutions on stainless steel equipment for prolonged periods of time.
 - When an external chemical supply is used, ensure no siphoning of chemicals occurs when the washer-extractor is not in use. Highly concentrated chemicals can cause severe damage to stainless steel and other components within the machine. Damage of this kind is not covered by the manufacturer’s warranty. Locate the pump and tubing below the washer-extractor’s injection point to prevent siphoning of chemicals into the machine.

