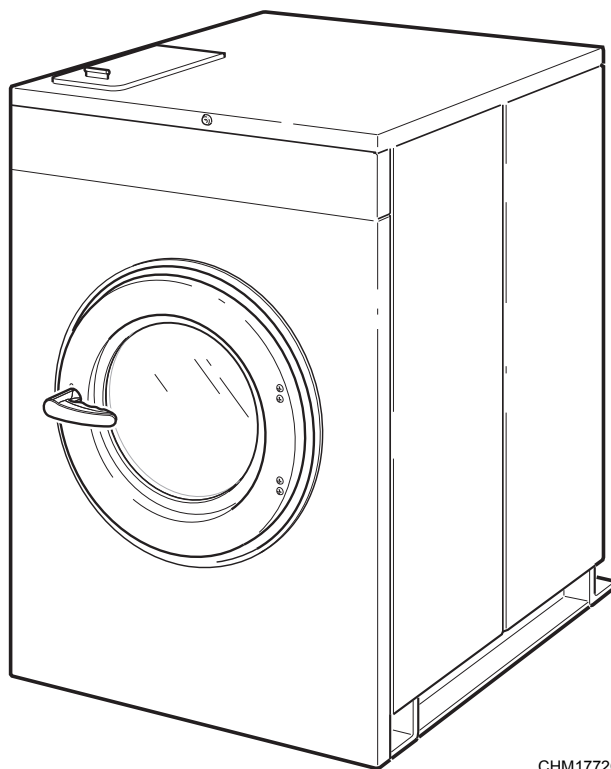


# Washer-Extractors

Cabinet Hardmount

Refer to Page 6 for Model Identification

Operation/Maintenance



CHM1772C

**Keep These Instructions for Future Reference.**

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



[www.comlaundry.com](http://www.comlaundry.com)

Part No. F8208401R3  
February 2011



# Table of Contents

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


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# 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.

	<b>DANGER</b>
<b>DANGER indicates the presence of a hazard that will cause severe personal injury, death, or substantial property damage if the danger is ignored.</b>	

	<b>WARNING</b>
<b>WARNING indicates the presence of a hazard that can cause severe personal injury, death, or substantial property damage if the warning is ignored.</b>	


	<b>CAUTION</b>
<b>CAUTION indicates the presence of a hazard that will or can cause minor personal injury or property damage if the caution is ignored.</b>	

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


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

	<b>WARNING</b>
<p><b>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.</b></p>	
<p style="text-align: right;">SW004</p>	

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

	<b>WARNING</b>
<p><b>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.</b></p>	
<p style="text-align: right;">W703</p>	

	<b>CAUTION</b>
<p><b>Be careful around the open door, particularly when loading from a level below the door. Impact with door edges can cause personal injury.</b></p>	
<p style="text-align: right;">SW025</p>	

	<b>WARNING</b>
<p><b>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.</b></p>	
<p style="text-align: right;">SW014</p>	

## 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


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

	<b>WARNING</b>
<p><b>Operating the machine with severe out-of-balance loads could result in personal injury and serious equipment damage.</b></p>	
<small>W728</small>	

# Introduction

## Model Identification

Information in this manual is applicable to these models:

Model						
20 POUND	HCD020GD2	HCN020KCF	HCU020KL2	SCN020JC2	SCN020WDV	SCU020JLF
	HCD020JD2	HCN020KCV	HCU020KY2	SCN020JCF	SCN020WY2	SCU020JLV
	HCD020LD2	HCN020KD2	HCU020KYF	SCN020JCV	SCN020WYF	SCU020JX2
	HCL020GD2	HCN020KDV	HCU020KYV	SCN020JD2	SCN020WYV	SCU020JXF
	HCL020GN2	HCN020KEF	HCZ020GN2	SCN020JEF	SCU020GC2	SCU020JXV
	HCL020HDF	HCN020KEV	HCZ020HN2	SCN020JXF	SCU020GD2	SCU020JY2
	HCL020HN2	HCN020KY2	SCL020GCZ	SCN020JY2	SCU020GE2	SCU020JYF
	HCL020KD2	HCN020KYF	SCL020GN2	SCN020JYF	SCU020GL2	SCU020JYV
	HCL020LD2	HCN020KYV	SCL020HNF	SCN020JYV	SCU020GN2	SCU020KN2
	HCN020GC2	HCU020GC2	SCL020JC2	SCN020KN2	SCU020GX2	SCU020KNF
	HCN020GD2	HCU020GD2	SCL020JD2	SCN020KNF	SCU020GY2	SCU020WEV
	HCN020GE2	HCU020GE2	SCL020JDF	SCN020LC2	SCU020HN2	UCL020GNZ
	HCN020GN2	HCU020GL2	SCL020JE2	SCN020LCF	SCU020HNF	UCL020HN2
	HCN020GX2	HCU020GN2	SCL020JEF	SCN020LCV	SCU020JC2	UCL020KN2
	HCN020GY2	HCU020GX2	SCL020JX2	SCN020LD2	SCU020JCF	UCN020GN2
	HCN020HC2	HCU020GY2	SCN020GC2	SCN020LX2	SCU020JCV	UCN020HN2
	HCN020HCF	HCU020HC2	SCN020GD2	SCN020LY2	SCU020JD2	UCN020HNF
	HCN020HD2	HCU020HN2	SCN020GE2	SCN020LYF	SCU020JDF	UCN020KN2
	HCN020HN2	HCU020HNF	SCN020GN2	SCN020LYV	SCU020JDV	UCU020GN2
	HCN020HNF	HCU020HX2	SCN020GX2	SCN020WC2	SCU020JE2	UCU020HN2
	HCN020HY2	HCU020KCF	SCN020GY2	SCN020WCF	SCU020JEF	UCU020HNF
	HCN020HYF	HCU020KCV	SCN020HN2	SCN020WCV	SCU020JEV	UCU020KN2
	HCN020KC2	HCU020KE2	SCN020HNF	SCN020WD2	SCU020JL2	UCZ020GN2
30 POUND	HCD030LD2	HCN030KYF	SCL030HNF	SCN030JCV	SCN030WYV	SCU030JY2
	HCL030GN2	HCN030KYV	SCL030JC2	SCN030JD2	SCU030GC2	SCU030JYF
	HCL030HDF	HCU030GC2	SCL030JCF	SCN030JE2	SCU030GD2	SCU030JYV
	HCL030HN2	HCU030GD2	SCL030JD2	SCN030JEF	SCU030GE2	SCU030KN2
	HCL030HNF	HCU030GE2	SCL030JDF	SCN030JX2	SCU030GL2	SCU030KNF
	HCN030GC2	HCU030GL2	SCL030JE2	SCN030JY2	SCU030GN2	SCU030WCV
	HCN030GD2	HCU030GN2	SCL030JEF	SCN030JYF	SCU030GX2	SCU030WE2
	HCN030GE2	HCU030GX2	SCL030JX2	SCN030JYV	SCU030GY2	UCL030GN2
	HCN030GN2	HCU030GY2	SCL030JXF	SCN030KN2	SCU030HN2	UCL030HN2
	HCN030GX2	HCU030HC2	SCL030JY2	SCN030KNF	SCU030HNF	UCL030HNF
	HCN030GY2	HCU030HN2	SCL030KN2	SCN030LC2	SCU030JC2	UCL030KN2
	HCN030HC2	HCU030HNF	SCL030KNF	SCN030LCF	SCU030JCF	UCN030GN2
	HCN030HCF	HCU030HX2	SCL030KNV	SCN030LCV	SCU030JCV	UCN030HN2
	HCN030HD2	HCU030KCF	SCL030LD2	SCN030LD2	SCU030JD2	UCN030HNF
	HCN030HN2	HCU030KCV	SCL030LEV	SCN030LE2	SCU030JDF	UCN030KN2
	HCN030HNF	HCU030KE2	SCN030GC2	SCN030LY2	SCU030JDV	UCN030KNF
	HCN030HY2	HCU030KY2	SCN030GD2	SCN030LYF	SCU030JE2	UCU030GN2
	HCN030HYF	HCU030KYF	SCN030GE2	SCN030LYV	SCU030JEF	UCU030HN2
	HCN030KC2	HCU030KYV	SCN030GN2	SCN030WC2	SCU030JEV	UCU030HNF
	HCN030KCF	HCZ030GN2	SCN030GX2	SCN030WCF	SCU030JL2	UCU030KN2
	HCN030KCV	SCD030GD2	SCN030GY2	SCN030WCV	SCU030JLF	UCZ030GN2
	HCN030KD2	SCD030LD2	SCN030HN2	SCN030WD2	SCU030JLV	VCU030GN2
	HCN030KDV	SCL030GC2	SCN030HNF	SCN030WDV	SCU030JX2	
	HCN030KEF	SCL030GN2	SCN030JC2	SCN030WY2	SCU030JXF	
	HCN030KY2	SCL030HN2	SCN030JCF	SCN030WYF	SCU030JXV	

(Continued)



(Continued)

Model						
40 POUND	HCD040LD2	HCN040KEV	SCL040HN2	SCN040JD2	SCU040GC2	SCU040JYF
	HCL040GN2	HCN040KY2	SCL040HNF	SCN040JE2	SCU040GD2	SCU040JYV
	HCL040HC2	HCN040KYF	SCL040JC2	SCN040JEF	SCU040GE2	SCU040KN2
	HCL040HDF	HCN040KYV	SCL040JD2	SCN040JY2	SCU040GL2	SCU040KNF
	HCL040HE2	HCU040GC2	SCL040JDF	SCN040JYF	SCU040GN2	SCU040KNV
	HCL040HN2	HCU040GD2	SCL040JE2	SCN040JYV	SCU040GX2	SCU040WEV
	HCN040GC2	HCU040GE2	SCL040JEF	SCN040KN2	SCU040GY2	UCL040GN2
	HCN040GD2	HCU040GL2	SCL040JX2	SCN040KNF	SCU040HN2	UCL040HN2
	HCN040GE2	HCU040GN2	SCL040JXF	SCN040KNV	SCU040HNF	UCL040HNF
	HCN040GN2	HCU040GX2	SCL040JXV	SCN040LC2	SCU040JC2	UCL040KN2
	HCN040GX2	HCU040GY2	SCL040KN2	SCN040LCF	SCU040JCF	UCL040KNF
	HCN040GY2	HCU040HC2	SCL040KNF	SCN040LCV	SCU040JCV	UCL040KNV
	HCN040HC2	HCU040HN2	SCL040KNV	SCN040LD2	SCU040JD2	UCN040GN2
	HCN040HCF	HCU040HNF	SCL040LE2	SCN040LDV	SCU040JDF	UCN040HN2
	HCN040HN2	HCU040HX2	SCN040GC2	SCN040LE2	SCU040JDV	UCN040HNF
	HCN040HNF	HCU040KCF	SCN040GD2	SCN040LY2	SCU040JE2	UCN040KN2
	HCN040HY2	HCU040KCV	SCN040GE2	SCN040LYF	SCU040JEF	UCN040KNF
	HCN040HYF	HCU040KE2	SCN040GN2	SCN040LYV	SCU040JEV	UCN040KNV
	HCN040KC2	HCU040KY2	SCN040GX2	SCN040WC2	SCU040JL2	UCU040GN2
	HCN040KCF	HCU040KYF	SCN040GY2	SCN040WCF	SCU040JLF	UCU040HN2
	HCN040KCV	HCU040KYV	SCN040HN2	SCN040WCV	SCU040JLV	UCU040HNF
	HCN040KD2	SCD040GD2	SCN040HNF	SCN040WDV	SCU040JX2	UCU040KN2
	HCN040KDF	SCD040LD2	SCN040JC2	SCN040WY2	SCU040JXF	UCU040KNV
	HCN040KDV	SCL040GC2	SCN040JCF	SCN040WYF	SCU040JXV	VCU040GN2
	HCN040KEF	SCL040GN2	SCN040JCV	SCN040WYV	SCU040JY2	
60 POUND	HCD060LD2	HCN060KY2	SCL060HNF	SCN060JY2	SCU060GE2	SCU060KN2
	HCL060GN2	HCN060KYF	SCL060JC2	SCN060JYF	SCU060GL2	SCU060KNF
	HCL060HCF	HCN060KYV	SCL060JCF	SCN060JYV	SCU060GN2	SCU060KNV
	HCL060HN2	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
	HCN060KDV	SCL060GC2	SCN060JDF	SCN060WYV	SCU060JY2	
	HCN060KEF	SCL060GN2	SCN060JEF	SCU060GC2	SCU060JYF	
	HCN060KEV	SCL060HN2	SCN060JX2	SCU060GD2	SCU060JYV	

(Continued)

## Introduction

(Continued)

Model						
80 POUND	HCD080LDV	HCN080KDV	HCU080KCV	SCN080JDF	SCU080GXF	SCU080KNV
	HCL080HNF	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	
	HCN080KCV	HCU080HXF	SCN080JCF	SCU080GLF	SCU080JYF	
	HCN080KDF	HCU080KCF	SCN080JCV	SCU080GNF	SCU080JYV	
125 POUND	SCL125KNV					
	SCN125KNV					
	SCN125LYV					
	SCU125KNV					
	UCL125KNV					
	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.

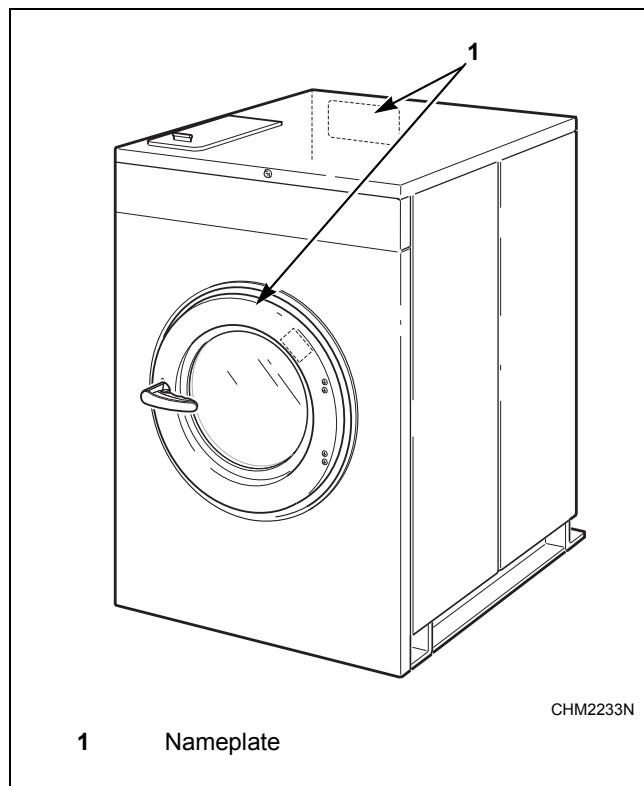


Figure 1

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

\* Denotes Brand

Model No.     **\*CN040GC2OUID01**

Serial No.    **000000000000**

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**





**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.**

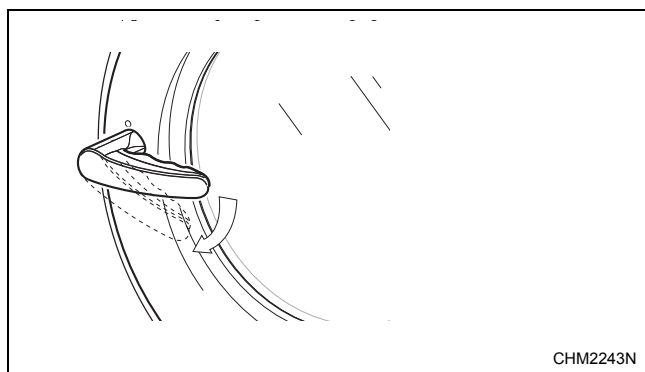


Figure 3

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.

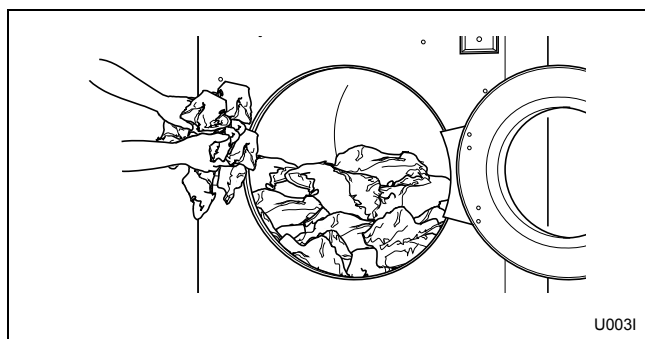


Figure 4

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.**

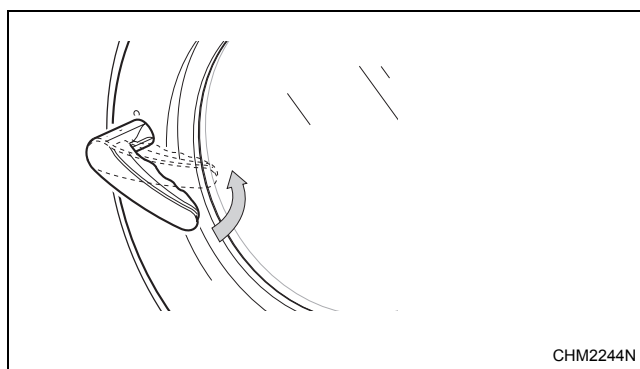


Figure 5

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

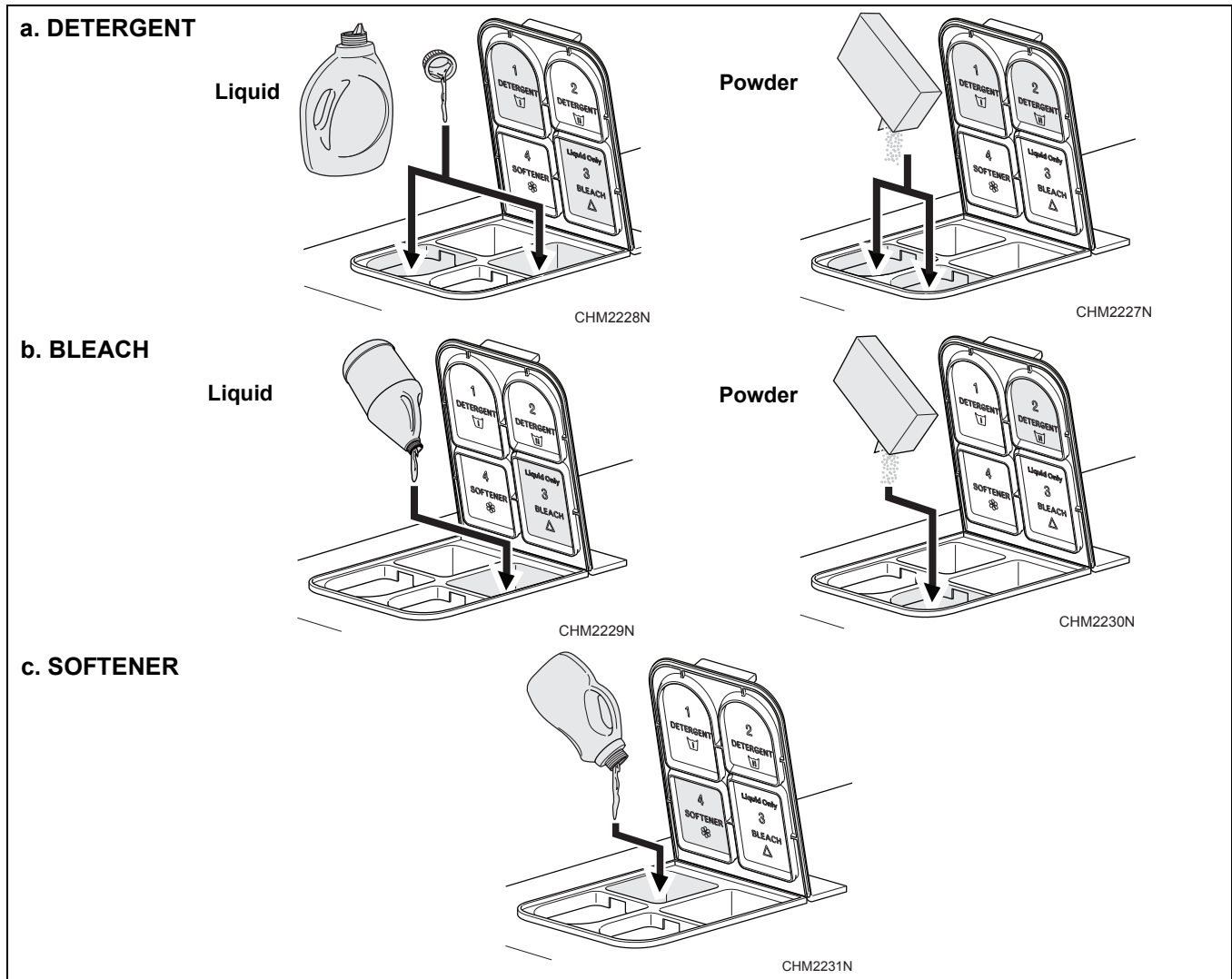



Figure 6

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

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

**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.

### 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*.

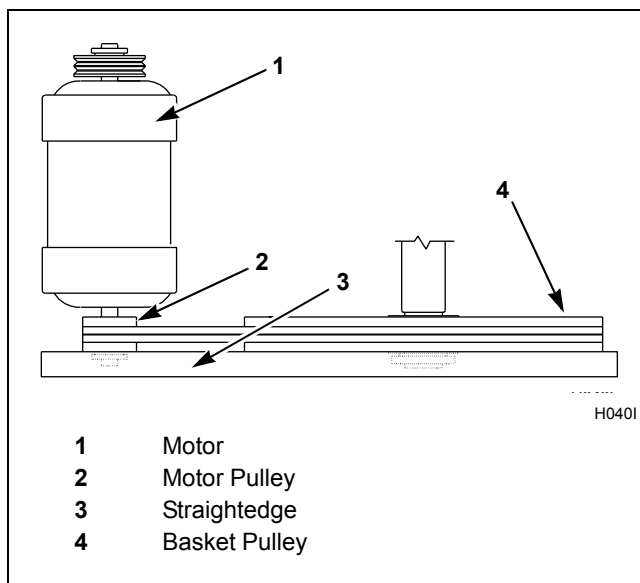


Figure 7



- 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*.

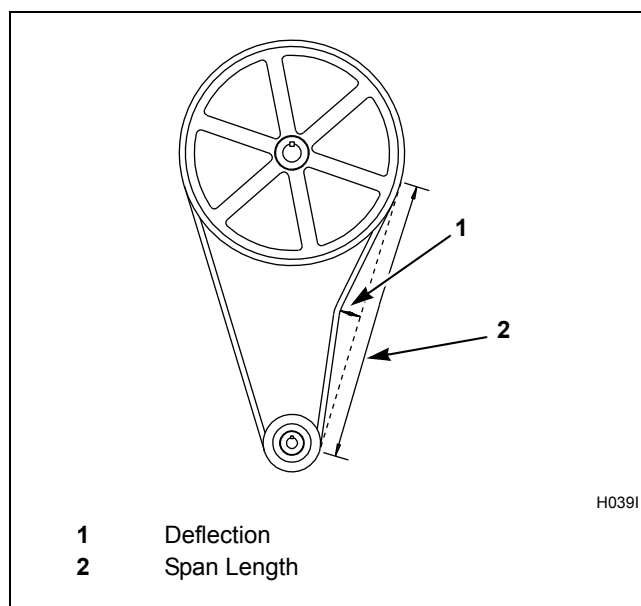


Figure 8

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.

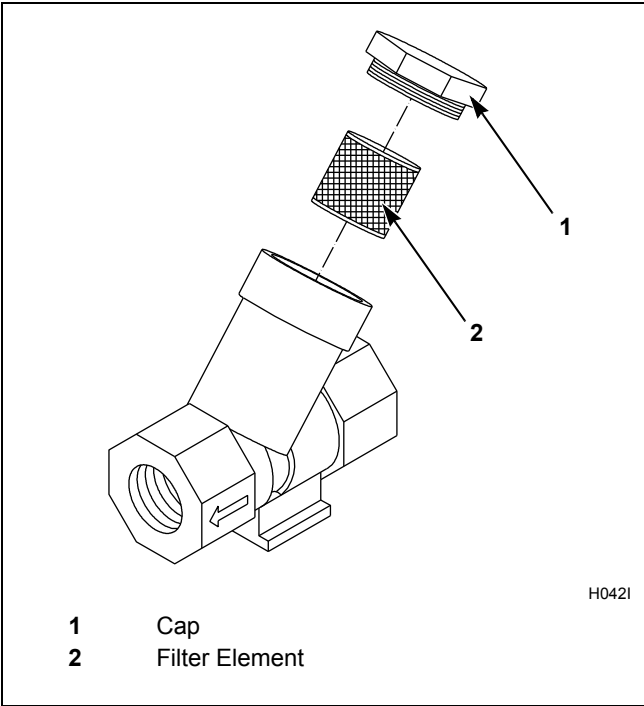


Figure 9

- 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	Front	200 ft-lbs.
80	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.