



Champion[®]

GENESIS

**Model DH5000
Hood-type Dishwasher with
Condensate Removal Option**

***CONDENSATE REMOVAL OPTION
INSTALLATION INSTRUCTIONS***

P/N 114958 Rev. E

Issued 12.18.13

**! ATTENTION INSTALLER !
THIS DISHWASHER IS EQUIPPED WITH A
CONDENSATE REMOVAL VENT SHROUD WHICH WAS
SHIPPED SEPARATELY
IN ITS OWN PACKAGING.**

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! ATTENTION !

P/N 900958, Model DH5000 Control Box Wall Mount Kit
is available to assist in wall-mounting the Direct Vent Control Box to a wall.
The wall-mount kit is sold separately.

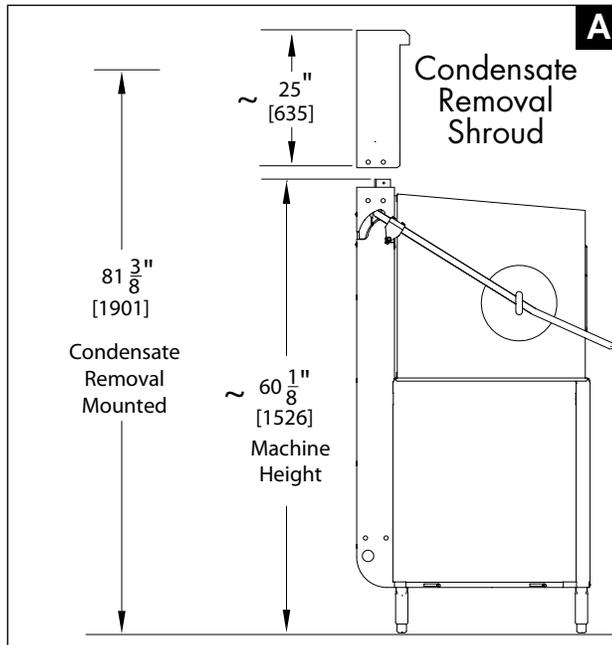
Contact the Factory at 1 - 800 858-4477 for details.

Model DH5000 Condensate Removal Option Description

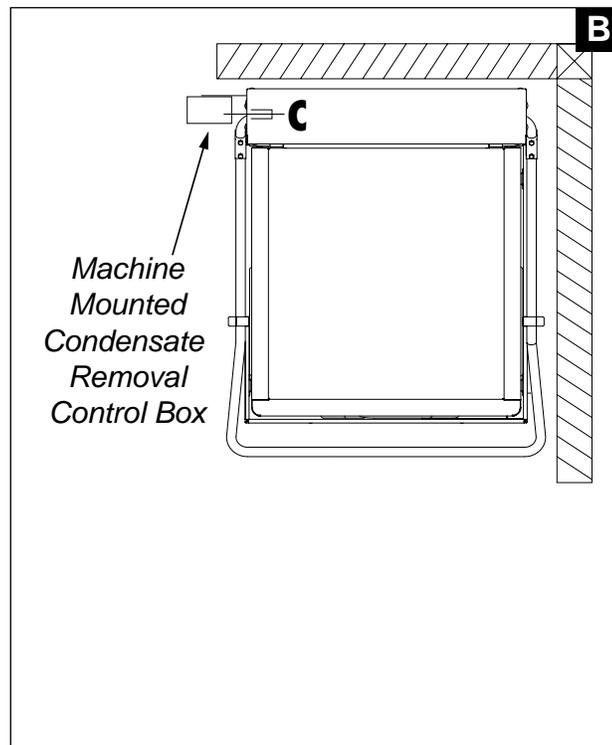
! ATTENTION !

The condensate removal shroud must be installed before the dishwasher is permanently placed and before the utilities are connected.

The condensate removal option is a stainless steel vent shroud (approx. weight 60 lbs./27 kg) and a control box mounted on the left side of the dishwasher.



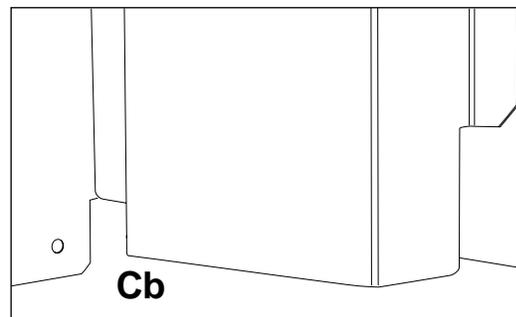
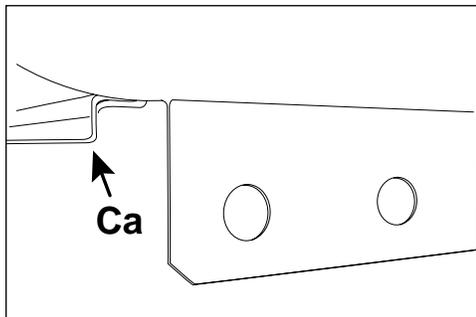
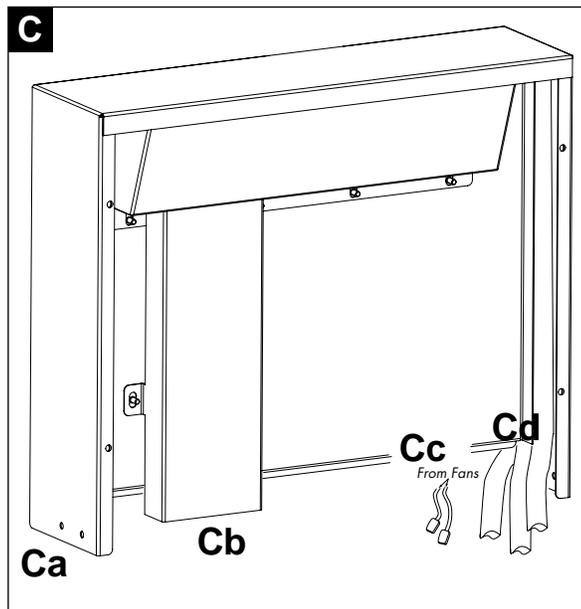
1. The condensate removal shroud is mounted on the top rear of the dishwasher using (4) 1/4-20 x 1/2" SST truss head screws. (See Figure A).
2. The shroud must be installed before the dishwasher is permanently placed and before connecting the utilities.
3. The dishwasher should be positioned in a manner which allows the dish tables and the machine to align for the proper loading and unloading of the dish racks. (See Figure B).
4. Only a 3/4" NPT cold water supply is required for the Condensate Removal Option (See Figure B).



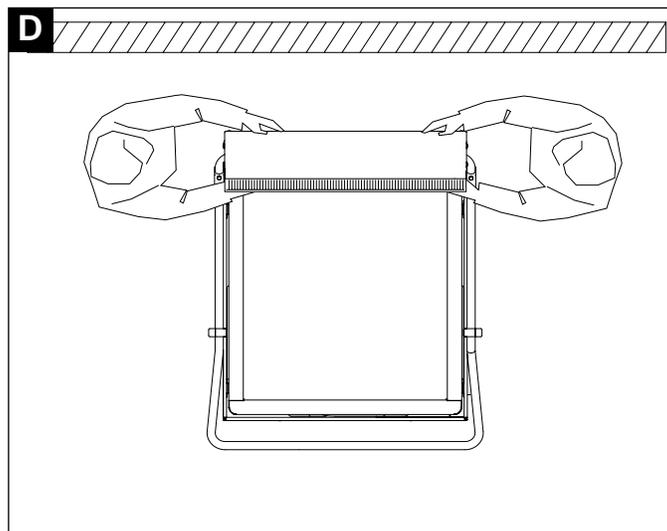
! VERY IMPORTANT !
The incoming cold water supply pressure must be a minimum of 45 PSI flowing pressure measured at the dishwasher inlet connection.

Installing the Condensate Removal Shroud

1. Remove the condensate removal shroud from its shipping container.
2. Refer to Figure C and note that the shroud has a front flange (Ca) and a rear extension (Cb) which interlock with the dishwasher vent opening.
3. Make sure (Ca) and (Cb) are properly connected to the dishwasher when the shroud is installed.
4. Refer to Figure C and note there are two electrical wires (Cc) and three hoses (Cd) attached to the shroud.
5. Carefully route (Cc) and (Cd) to the rear of the dishwasher when installing the shroud.



6. Two persons are needed to install the shroud on the dishwasher. (See Figure D).
7. Remove the (4) 1/4-20 x 1/2" truss head shroud mounting screws from the dishwasher hood.
8. Lift the shroud over the rear of the dishwasher and carefully lower it into position making sure that (Ca) and (Cb) connect the shroud to the dishwasher.
9. Reinstall the mounting screws.



! ATTENTION !
The Condensate Removal Electrical Control box can be wall-mounted using a Wall Mount Kit, P/N 900958.
See the last page of this manual for further instructions.

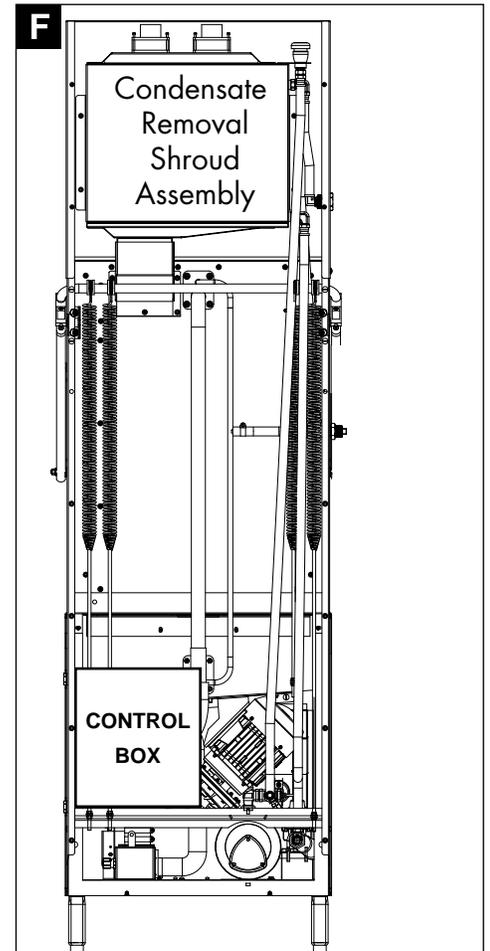
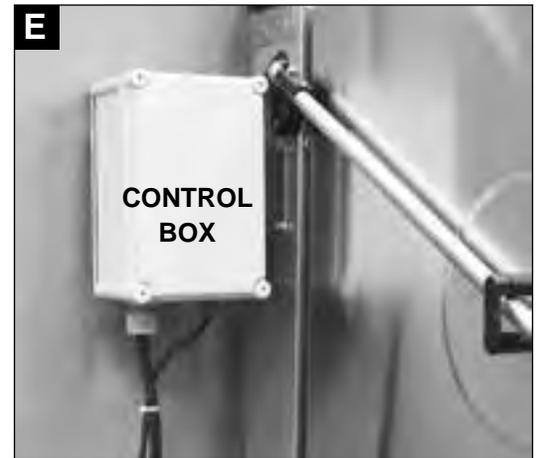
Installing the Condensate Removal Electrical Control Box on the Left-hand side of the DH5000

The Condensate Removal Electrical Control Box is shipped prewired to the dishwasher and stowed in the back of the machine. Mounting holes and fasteners are provided to mount the control box to the left side of the machine. (See Figure E).

To Install the Electrical Control Box:

1. The electrical control box must be installed before the dishwasher is permanently placed and before the dishwasher tables are connected to the dishwasher.
2. Refer to Figure E at right. The photo shows the electrical control box mounted on the left side of the dishwasher approximately 46" [1.2 m] above the finished floor.
3. Refer to Figure F at right. The photo shows the storage location for the electrical control box during shipping.
4. Carefully lift the control box and mounting bracket assembly from the rear of the dishwasher and place it on the floor on the left-hand side of the machine when viewed from the front.

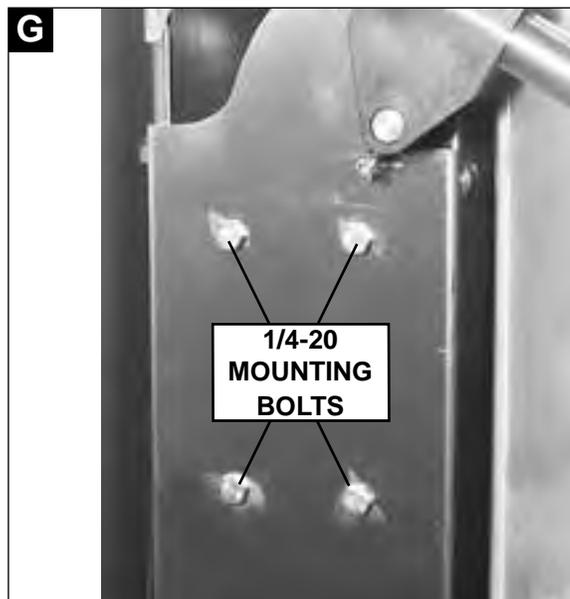
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Installing the Condensate Removal Electrical Control Box

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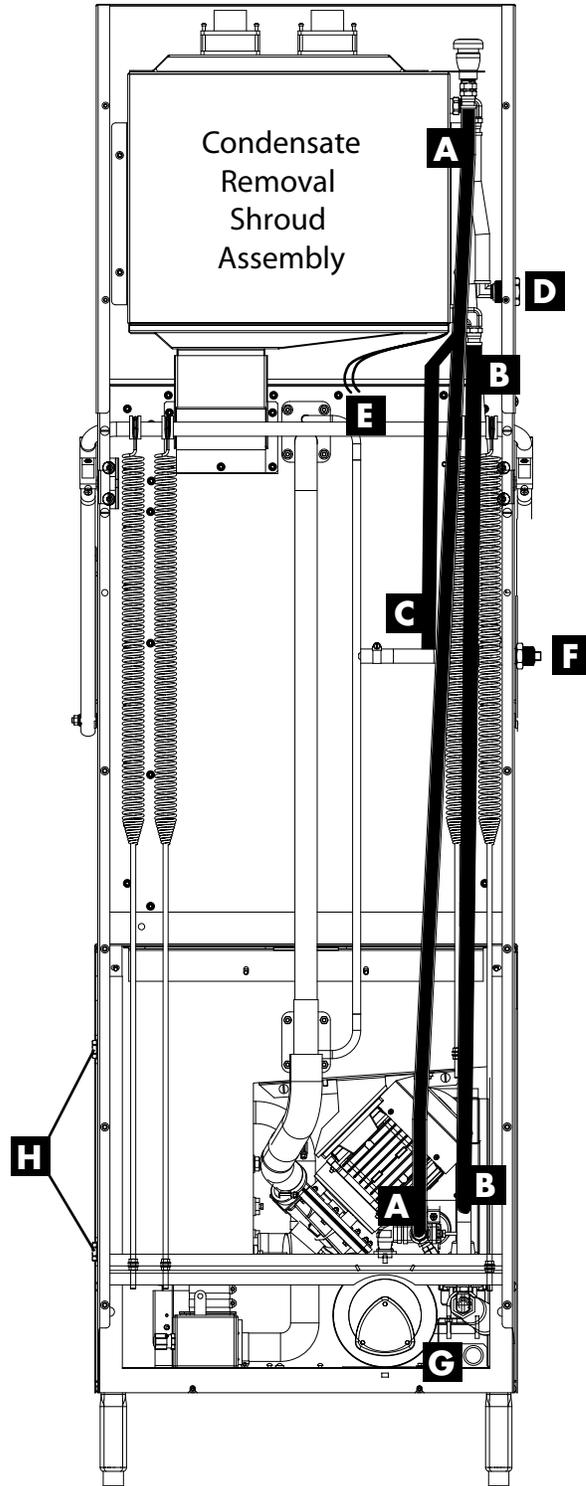
5. Locate the (4) 1/4-20 x 1/2" Hex Head bolts on the upper left rear side of the dishwasher directly below the handle bracket (Refer to Figure G).
6. Remove these bolts and set aside.
7. Carefully lift the electrical control box and mounting bracket assembly in place, align the mounting holes and reinstall the mounting bolts removed in Step 6 above. (See Figure H below).



! ATTENTION !
The Condensate Removal Control Box connection diagram appears on page 99 of these instructions.
The control box connections were prewired at the factory.

Condensate Removal Shroud Electrical and Plumbing Connections

The following pages describe the electrical fan connection and the plumbing connections for the Condensate Removal Option. The chemical injection points for the DH5000 are also included.



- (A) Preconnected hose to the inlet of the vacuum breaker. The other end of this hose is connected to the booster outlet.
- (B) Preconnected hose to the outlet of the condensate coil. The other end of this hose is connected to the inlet of the line strainer.
- (C) Preconnected hose to the outlet of the vacuum breaker. The other end of this hose is connected to the inlet final rinse piping located behind the hood spring on the right-hand side of the hood as viewed from the rear.
- (D) Cold water supply inlet.
- (E) Condensate vent fan wires.
- (F) Final rinse-aid injection point.
- (G) Main power supply wire mounting bracket.
- (H) Detergent injector and sensor connection points.

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Condensate Removal Shroud Electrical and Plumbing Connections

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WARNING:

Electrocution or serious injury may result when working on an energized circuit.

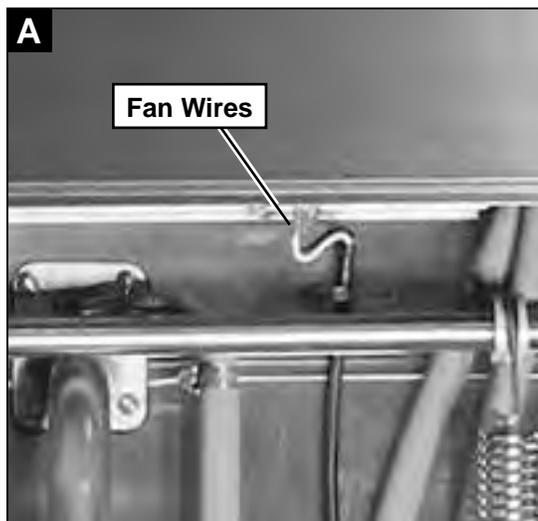
Disconnect power at the main breaker or service disconnect switch before working on the circuit.

Lock-out and tag the breaker to indicate that work is being performed on the circuit.

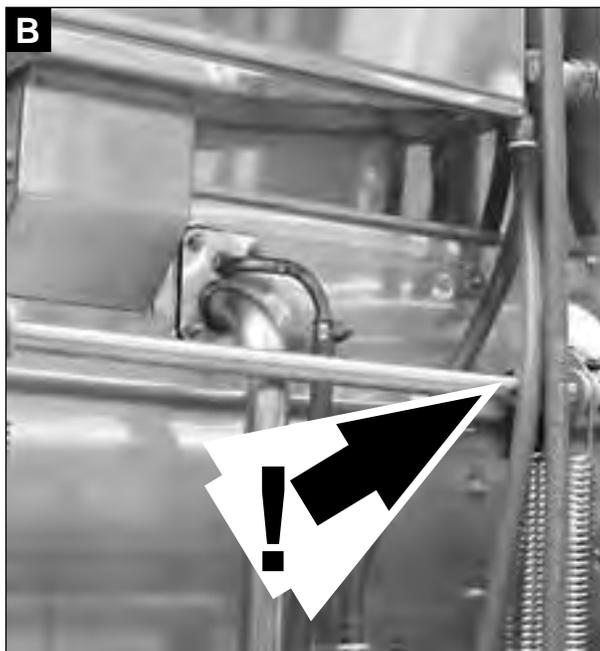
1. The condensate removal shroud fans were prewired at the factory.

When the shroud is installed on the top of the dishwasher, the shroud wires and their corresponding wires on the back of the dishwasher should be in close proximity to each other.

2. Locate the wires and connect black to black and white to white.
(See Figures A at right.)



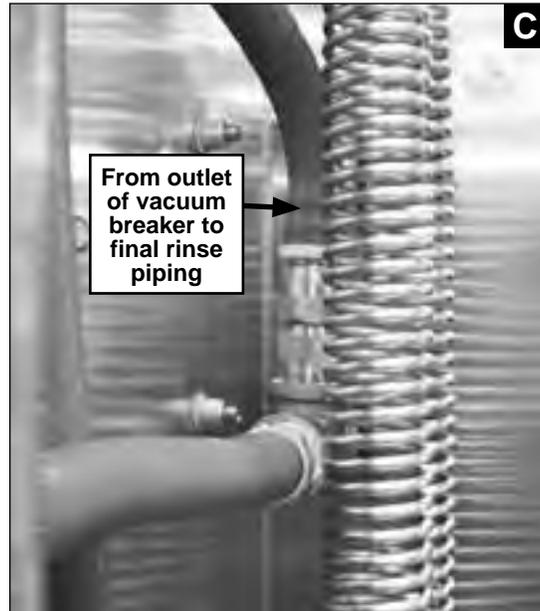
3. **! ATTENTION !**
Route the condensate removal shroud hoses behind the handle assembly as shown in Figure A above. The hoses shown in Figure B at right have been routed in front of the handle assembly, this is incorrect.



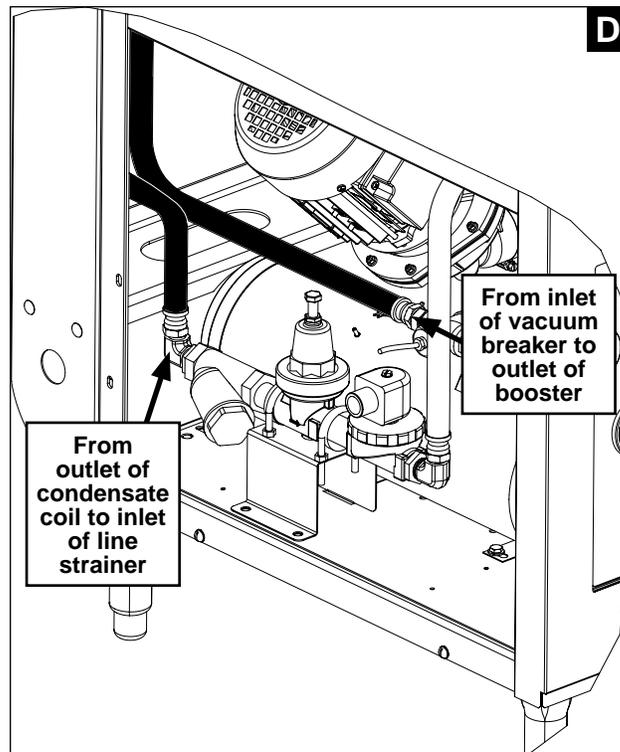
4. Referring to Figure B, note that there are three hoses preconnected to the condensate removal shroud. The hoses are different lengths to ensure that the hoses are connected to the correct locations.

DO NOT route the condensate removal shroud hoses in front of the handle assembly as shown in this photo. Route the hoses behind the handle assembly against the rear of the machine.

Condensate Removal Shroud Electrical and Plumbing Connections



5. Refer to Figure C at left and note the connection point for the shortest length of preconnected condensate removal hose. The connection point is located directly behind the right-hand hood spring at the rear of the dishwasher.



6. Refer to Figure D at left and note there are two hoses and two connection points shown. The hoses are different lengths and it will not be possible to make both connections if the hoses are reversed.

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Utility Connections for the DH5000 with Condensate Removal Option

Plumbing Connections

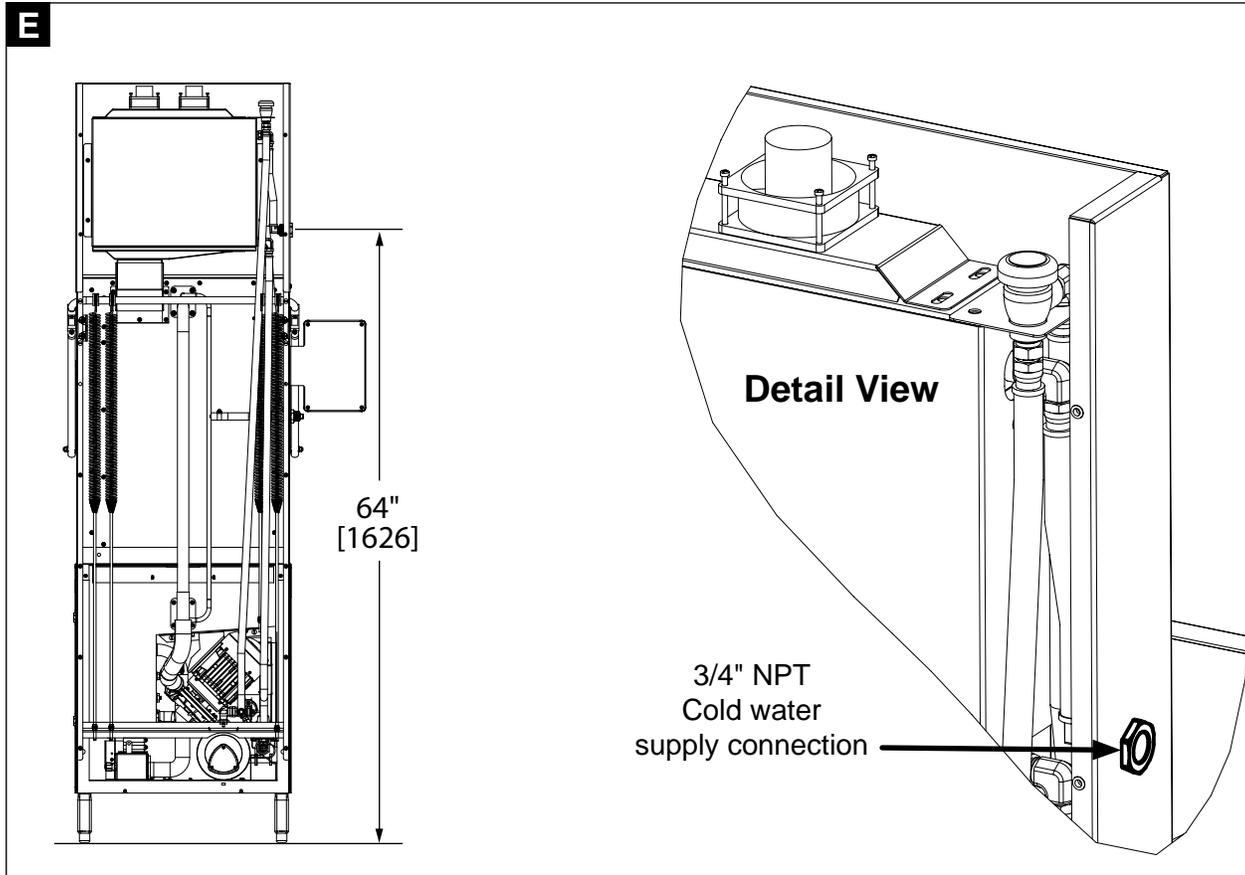
! VERY IMPORTANT !

The incoming cold water supply pressure must be a minimum of 45 PSI flowing pressure measured at the cold water supply connection.

1. The DH5000 dishwasher equipped with a Condensate Removal Option requires an incoming cold water supply only (See Figure E below).

COLD WATER — 3/4" NPT, 55-75°F/13-24°C Maximum temperature, with a minimum incoming flowing pressure of 45 PSI measured at the dishwasher supply connection before adjusting operating pressure to 20/25 PSI flowing pressure.

2. A water hardness of 3 grains/gal (US) [51.3 mg/L] or less is recommended. The cold water supply connection is located on the left side of the dishwasher approximately 64" above the finished floor (see the illustration below).
3. A manual shut-off valve, 3/4" or larger, should be installed in the cold water supply line as close to the dishwasher as possible for servicing.



Utility Connections for the DH5000 with Condensate Removal Option

Electrical Connections



WARNING:

Electrocution or serious injury may result when working on an energized circuit.

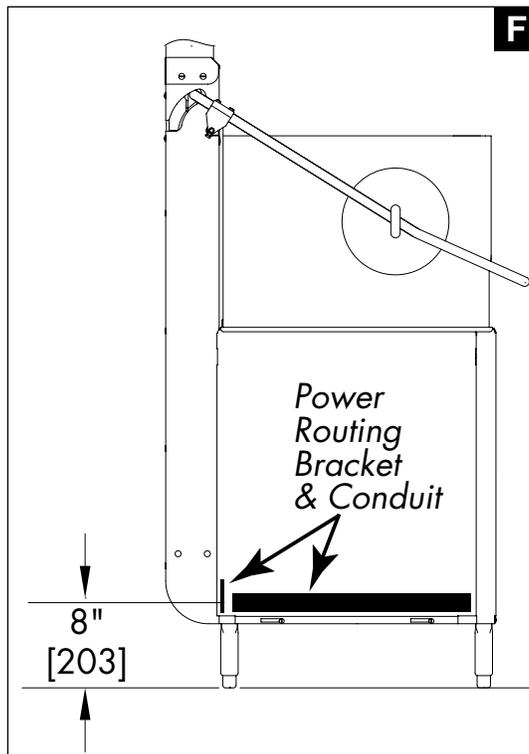
Disconnect power at the main breaker or service disconnect switch before working on the circuit.

Lock-out and tag the breaker to indicate that work is being performed on the circuit.

! ATTENTION !

A qualified electrician must connect the main incoming power to the dishwasher in accordance with all local codes and regulations or in the absence of local codes in accordance with the National Electrical Code. Improper installation will not be covered by the Limited Warranty.

Connecting Incoming Power Supply



Incoming Power Routing.

1. Make sure the incoming power is disconnected at the main disconnect switch or circuit breaker.
2. The dishwasher is available for either single or three phase operation. Standard voltages are 208-240V/60/1 & 3, and 460-480V/60/3.
3. A **Machine Electrical Connection Data Plate** is located directly below the input terminal block. Make sure the incoming power supply matches the machine's electrical requirement before connecting incoming power.
4. Remove the front and left side dishwasher panels.
5. The incoming power supply is routed from the rear of the machine to the input terminal block located at the front of the machine.

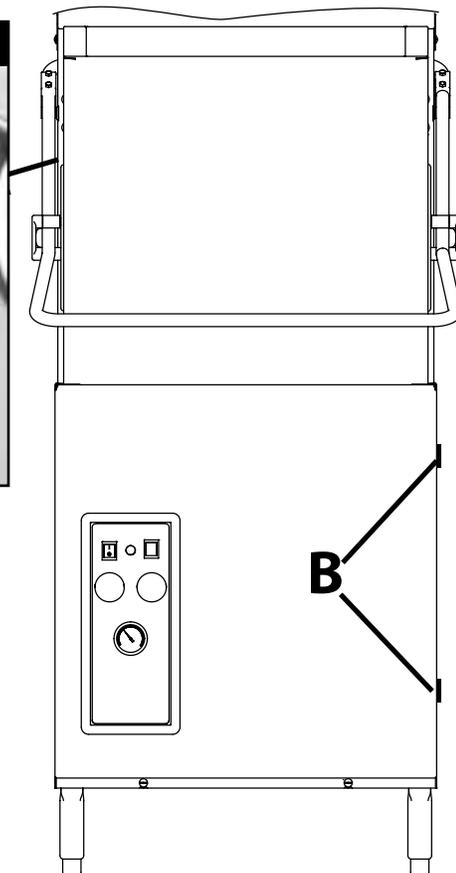
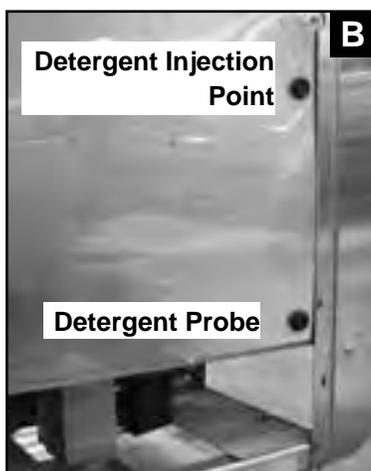
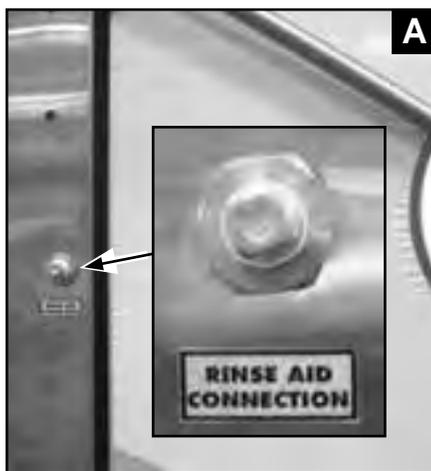
Utility Connections for the DH5000 with Condensate Removal Option

Chemical Connection Provisions

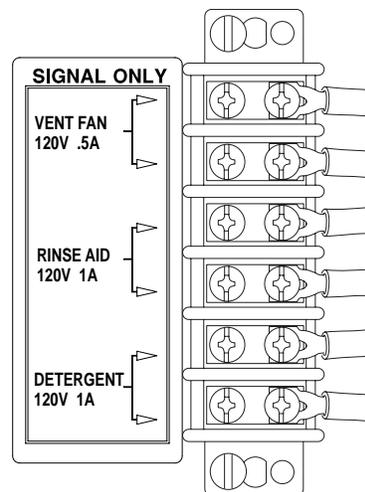
! ATTENTION !

Consult a qualified chemical supplier for chemical supplies and chemical dispensing equipment.

1. Provisions for chemical suppliers to connect their chemical dispensing systems are provided on the dishwasher and include:
2. A 1/8" NPT fitting (A) rinse-aid injection point. The fitting is located on the left side of the dishwasher support hood (see illustration below).
3. Two 7/8" holes (B) are provided on the lower right side of the wash tank for detergent injection and the detergent probe.
4. Detergent and rinse-aid control signals are available inside the control cabinet.
5. The signals are 120VAC, Max. 1 Amp load. Connection points are located on a labeled terminal block (see below).

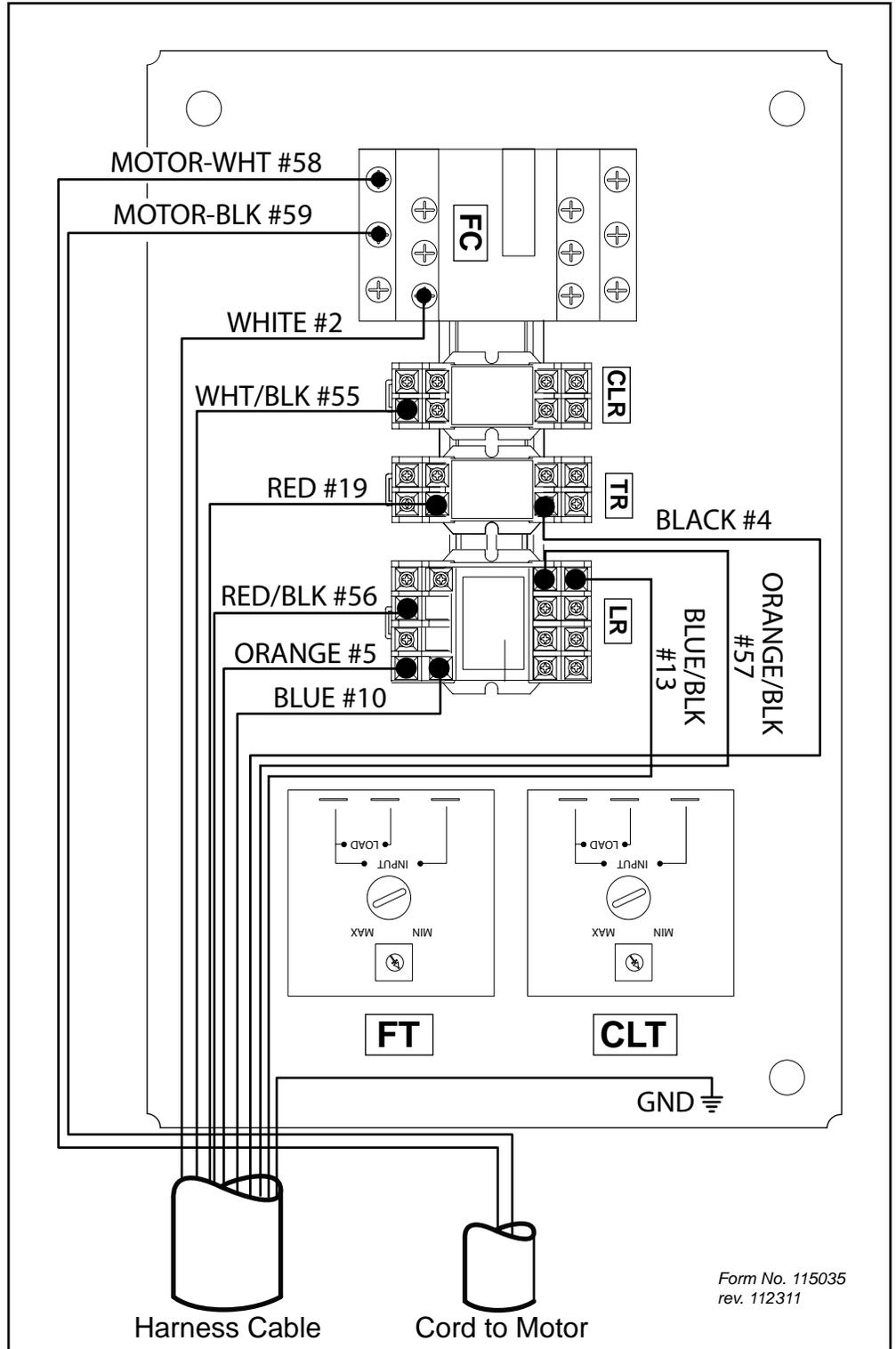


A commercial grade non-chlorinated detergent is recommended for this machine.



120VAC, 1A Dispenser Signal Terminal Block

Condensate Removal Control Box Connection Diagram



Form No. 115035
rev. 112311

This is the end of the Condensate Removal Option Installation Instructions.

DH5000 Series Condensate Removal Plumbing Diagram

