

Douglas Machines Corp.

COP-96 OPERATIONS MANUAL



Preamble

First, let us at Douglas Machines Corp. congratulate you on the purchase of your new COP-96.

Please read this manual carefully to understand the proper operation and maintenance of your new machine.

If you have any questions or need any further information, now or in the future. Please Do Not Hesitate to contact us.

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IMPORTANT

Pre-Installation

Qualified installation personnel, individuals, firms, corporations, and or companies which either in person or through a representative are engaged in and are responsible for:

- The installation or replacement of the gas piping. The connection, installation, repair or servicing of equipment. Qualified installation personnel must be experienced in such work, familiar with all precautions required, and have complied with all requirements of the state or local authorities having jurisdiction. Reference National Fuel Gas Code, NFPA 54 or latest edition or ANSI Z223.1 or latest edition, Section 1.4.
- The installation of electrical wiring from the electric meter, main control box, or service outlet, to the appliance. Qualified installation personnel must be experienced in such work, familiar with all precautions required, and have complied with all requirements of state or local authorities having jurisdiction. Reference National Electrical Code, ANSI/NFPA 70 or latest edition. In Canada, Canadian Electrical Code Part 1 (Std. 22.1 or latest).
- The installation of washers equipped with casters shall be made with a connector that complies with the Standard for Connectors for Movable Gas Appliances, ANSI Z21.69 or latest, and a quick – connect device that complies with the Standard for Quick-Disconnect Devices for use with Gas Fuel, ANSI Z21.41 or latest.

Note: A fixed restraint must be provided if casters are used in conjunction with a flexible connector for movable appliances. This restraint must secure the washer to a non-movable surface to eliminate stress on the connector. If the washer is moved, the restraint must be reconnected after the washer is returned to its normal position.

DELIVERY

Upon delivery of your Douglas washer:

- Inspect the machine for any external damage. Any evidence of damage should be noted on the delivery receipt, which must be signed by you and the driver.
- Remove packaging from the washer and check for any concealed damage. Carriers will accept claims for damages if notified within nine- (9) day of delivery. Please retain packaging for inspection if claim is filed.

Douglas Machines Corp. cannot accept responsibility for loss or damage suffered in transit. The carrier assumes full responsibility for delivery in good order. However we are prepared to assist you in any action needed, regarding shipping damage.

SET UP

Before attempting to use your equipment, ensure that the following guidelines are used for positioning of the equipment each time the unit is moved.

Ensure unit is on a flat and level surface.

Ensure wheel locks are engaged.

Ensure Water Supply Hose does not create a trip hazard.

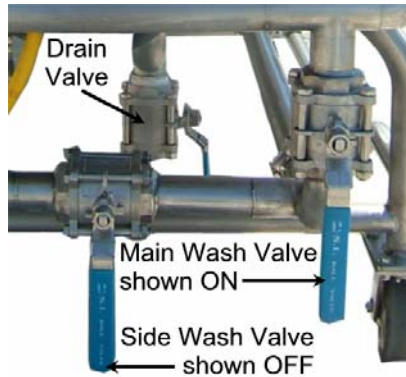
Ensure Water Supply does not exceed 115° F.

Ensure Power Supply Cable does not create a trip hazard.

OPERATION

After ensuring that the unit has been set up to the proper guidelines you are ready to fill the unit and begin washing. Just follow the steps below and you will be on your way in no time.

1. Check to ensure drain valve is closed.



2. Turn on Fill Valve until water level is above the top of the parts baskets.



3. Add detergent, when putting in powered detergent wait until the pump motor is running before dumping it into the sink.
4. Place items to be washed into the sink. Use the baskets for smaller items. When placing items in the sink try and point open end towards the jetting to allow for a better wash.
5. Turn the Main Power and Control Power Switches to the ON position.



6. Select the desired amount of time on the timer and push the green start button.



7. When unit shuts off remove items from sink. Rinse with Fresh Water before allowing parts to dry.
8. Repeat steps 3, 4, 6, and 7.

If at any time you feel it necessary to stop the wash cycle you can simply push the STOP Button.



YOU SHOULD DRAIN AND RINSE THE UNIT OUT EVERY FEW HOURS, OR WHEN THE WATER BECOMES TOO DIRTY TO PRODUCE AN EFFECTIVE WASH.

SHUT DOWN

1. Turn the Main Power and Control Power Switches to the OFF position.
2. Open Drain Valve and allow unit to completely drain.
3. Rinse and clean out debris from inside sink.

MAINTENANCE

Daily Maintenance

Note: As a precaution please disconnect, or turn off all incoming power to machine before proceeding with any maintenance.

Regular maintenance is essential in keeping your machine in good working order and operating at maximum efficiency. The following maintenance items listed are a minimum requirement; frequency of maintenance is dependent on the number of hours the machine is in use and amount and type of soil being removed.

1. With the Power Coming To The Machine Turned Off, start draining the machine. After the machine has drained. Clean the inside of the sink. Direct all debris toward and into the filter screen. Remove and clean the filter screen, leaving it out for the following steps.
2. With the filter screen removed. Finish cleaning the wash tank reservoir. Direct all remaining debris into the open drain located in the bottom of the reservoir tank.
3. Now that the wash tank reservoir has been cleaned. You can now put the filter screen back in place.
4. Inspect all the spray jets, look for any that are obstructed. If you find any jets obstructed. Try to remove the obstruction by pulling it out or by forcing it back into the jet pipe. If you need to force it back into the jet pipe you'll need to remove the jet pipe end cap in order to remove the obstruction from the pipe.
5. Clean the outside of the machine. Using a stainless steel cleaner or soft cloth with a mild detergent wipe down the outside of the machine.

MAINTENANCE cont.

Periodical Maintenance

1. Wash pump motor lubrication. You'll find two- (2) grease fitting on the top of the wash pump motor, one- (1) at each end. You'll need to grease these under normal conditions every 90 days. Use an electric motor bearing grease similar to Shell Dolum or Chevron SRI.
2. The removal of lime and or scale may be necessary at certain times. This will vary due to the condition of your water. If you're finding lime and scale building up on the interior walls of the machine chances are they're also building up in the piping. This could impair washing ability. You'll need to use some sort of lime and scale removal chemical. Whatever you decide to use please make sure it's safe to use on stainless steel, bronze, and brass. If you have any questions on what to use or how to use it, do not hesitate to contact Douglas Machines Corp.

TROUBLE SHOOTING

Note: Some of the following remedies may need to be performed in the electrical panel. Before you perform any task in the electrical panel, Please Make Sure All Incoming Power Is Disconnected Or Turned Off.

Problem: Machine will not turn on.

Things to check:

- Incoming power
- Machines circuit breakers and or fuses in place and turned on.

Problem: Machine will not heat up.

Things to check:

- Machine is filled to correct level.
- Thermostat set to desired temperature.

Problem: Wash pump will not start.

Things to check:

- Machine is filled to correct level.
- Circuit breakers and or fuses marked wash pump motor.

Problem: Not cleaning

Things to check:

- Detergent level.
- Wash temperature.
- Wash jets (clogged or missing).
- Water Level.
- Filter Screen clear.

If you're experiencing any other problems or have any questions or concerns, Please Do Not Hesitate To Contact our Service Department At
1-800-331-6870