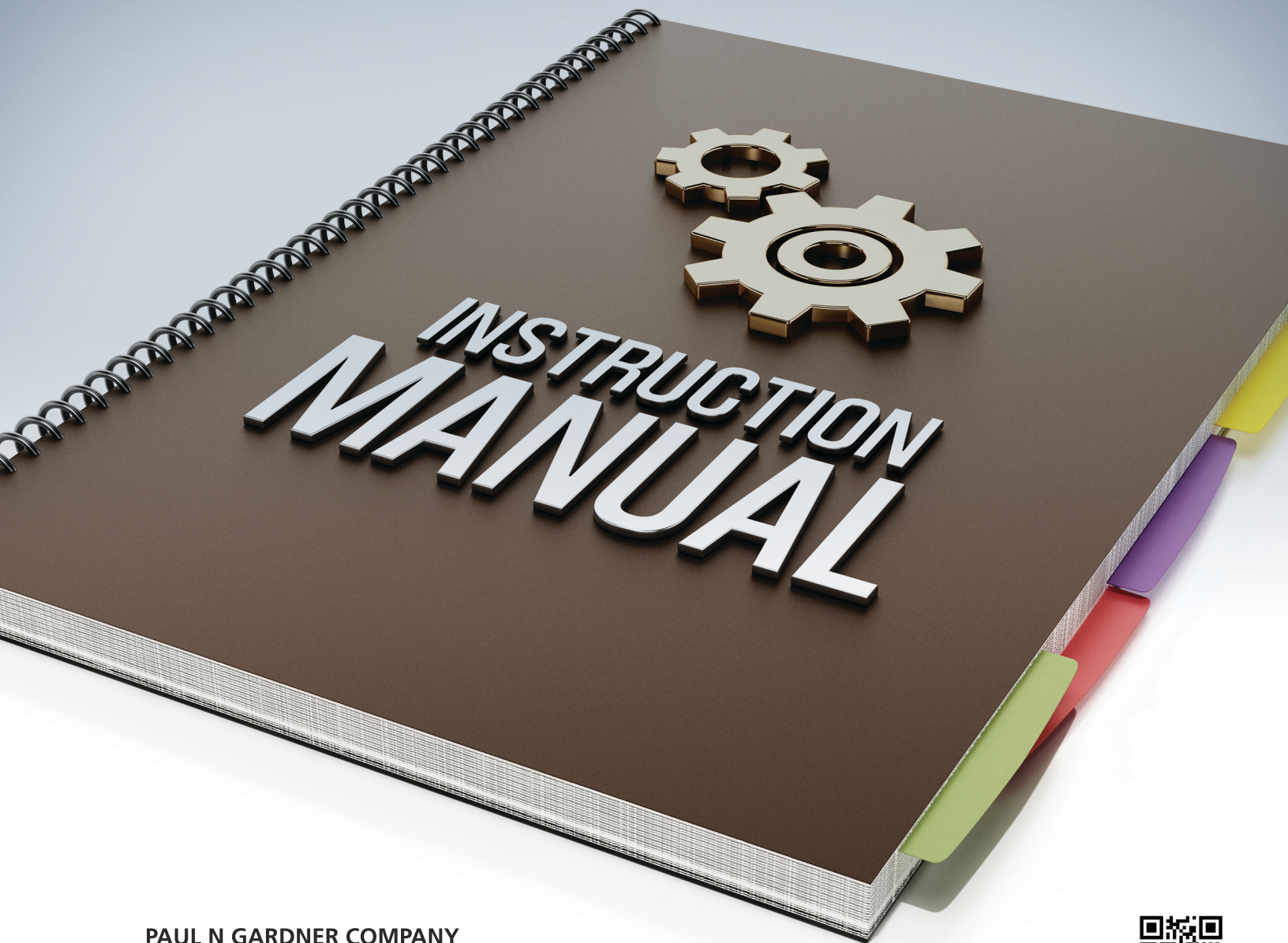




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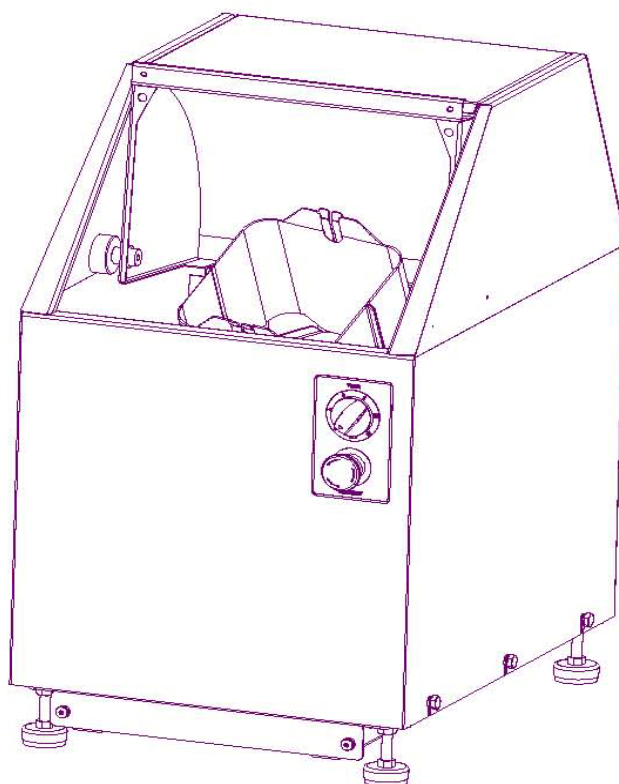
INSTRUCTIONS

GARDCO DISTRIBUTED PRODUCTS



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Owner's Manual



HS-8
One-Gallon Vortex Mixer

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Introduction

HS-8 Paint mixer accommodates standard 1-gallon paint cans and square 1-gallon cans (6.5" x 6.5"). When used with the adapter, it also accommodates quart cans.

To take full advantage of your mixer's capabilities, you should understand its features and proper operation.

Before operating the machine, read this manual completely. In particular, study the section on "Mixing Procedure" (page 4). Practice installing and removing a pail before attempting to mix paint. Save the manual for future reference.

Follow all safety instructions!

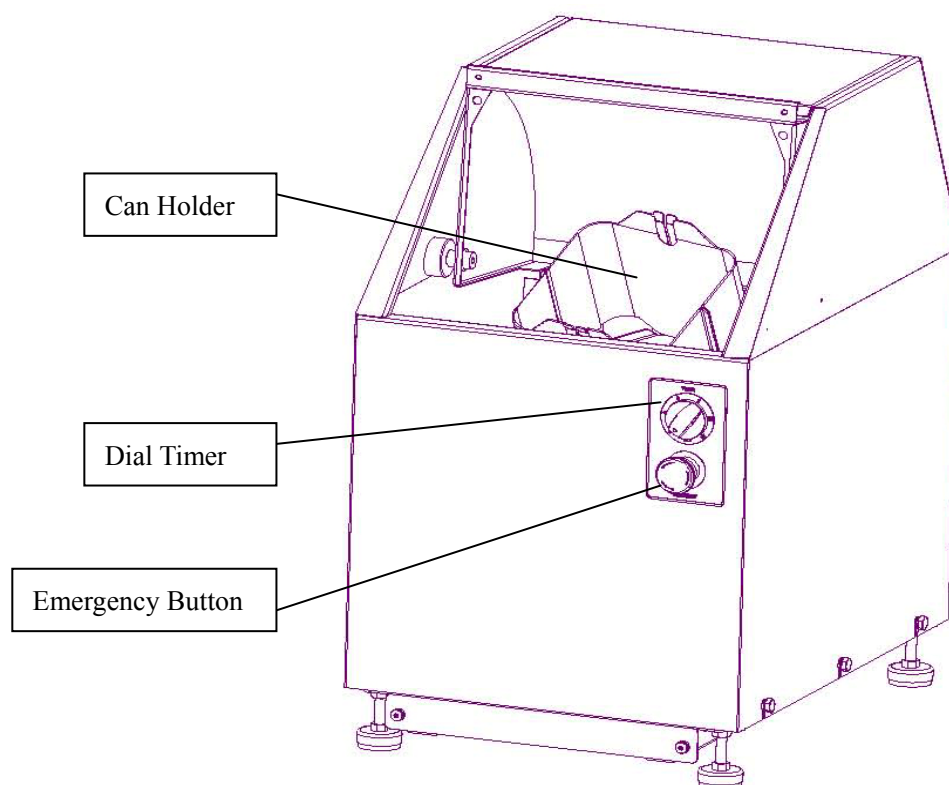


Fig. 1: Model HS-8 1 – Gallon Paint Mixer

Safety Precautions

Always follow these safety precautions when operating the Model HS-8 Paint Mixer.

INSTALLATION

1. **Before operating the machine**, read this owner's manual carefully. Learn the machine's applications and limitations.
2. **Ground the machine properly**. Be sure to follow proper grounding and electrical procedures.
3. **Avoid extension cords**. To minimize the risk of tripping, improper electrical grounding, or overloading, extension cords are not recommended.
4. **Use the proper power source**. Refer to the machine data plate. If the machine data plate has been removed or is unreadable, call customer Service Department (see the cover of this Owner's Manual) before connecting the mixer to a power source.
5. **Avoid dangerous environments**. Do not use the machine in a damp or wet environment. Keep the work area well lighted.
6. **Keep the work area clean**. Cluttered areas and benches invite accidents. To prevent accidents, be sure all electrical cords are out of the way.

OPERATION

1. **Keep Customers away**. All customers should be kept away from the work area. The mixer should be used **only** by properly trained workers.

MAINTENANCE

1. **Keep the machine clean**. Clean all surfaces with a mixture of lukewarm water and mild detergent. Never use solvent based cleaners or thinners.
2. **To avoid electric shock**, don't get the timer, control panel, or wiring wet.
3. **Disconnect the electric plug**. When cleaning the mixer or doing maintenance work, always unplug the machine.
4. **Service properly**. Follow the maintenance procedures outlined in this manual. If problems occur, contact our Customer Service Department (see the cover of this Owner's Manual).

Installation

Assembly

The Model HS-8 mixer is shipped fully assembled.

IMPORTANT: Before plugging in the machine or attempting to operate it, remove all packing material, including the long shipping bolts which protrude through the bottom of the mixer into the pallet.

To remove the shipping bolts:

Open the mixer package box to access the shipping bolts heads on 4 feet of the machine, Remove the shipping bolt nuts from underneath the mixer, remove 4 shipping steel blocks along with the base plate which is under the machine. Pull the bolts out of the machine and discard.

Set the machine on a level, stable surface and adjust four feet to make the machine in a level and touch the floor. The rated power of the mixer is 180W, 110V/60Hz, plug the machine into an appropriate grounded receptacle (see Figure 2 below).

Electrical Connection and Grounding Requirements

The machine **MUST BE GROUNDED**. If there should be an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current.

The machine's power cord has a grounding wire with an appropriate grounding plug. This plug must be inserted into an electrical outlet that is properly installed and grounded according to all local codes and ordinances.

Check with a qualified electrician if you don't completely understand these grounding instructions, or if you are not sure whether the machine is properly grounded. **Do not modify** the plug provided: if it won't fit in the outlet, have a proper outlet installed by a qualified electrician.

The model HS-8 mixer is rated at 110V, 60Hz and is to be used on a nominal 120V circuit. These machines have a grounding plug that looks like the one shown in Fig. 2.

Extension Cords

Avoid using extension cords. If an extension cord is unavoidable, consult a qualified electrician to determine what type of extension cord will satisfy the grounding, current capacity, and other requirements or the particular situation.

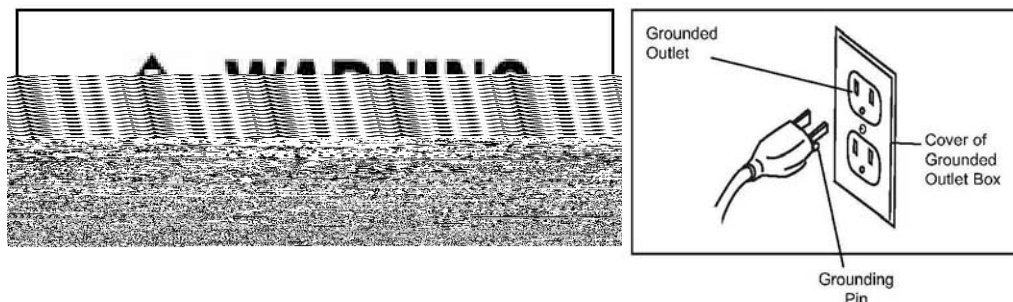


Fig. 2: Electrical Grounding Plug

Operation and Mixing Procedure

Safety Precautions

1. **Before operating the machine**, read this Owner's Manual carefully. Learn the machine's applications and limitations.
2. **Be sure machine is properly grounded.** See the "Installation" section for details.
3. **Do not use in hazardous environments.** Avoid dust and flammable vapor. Use factory container only. Do not mix highly-flammable materials that have low flash points (such as gasoline, or concentrated thinners and solvents).
4. **Close can lids tightly.** If the can lid has been opened, reclose it tightly before mixing.
5. **Do not mix in breakable containers.** No glass, porcelain. Or other breakable containers.
6. **Insert the can carefully** to ensure that it is held securely during the mixing cycle. Do not use if the can is damaged or missing bail handles.
7. **Keep the work area clean.** Cluttered areas and benches invite accidents. To prevent accidents be sure all electrical cords are out of the way.
8. **Keep Customers away.** All customers should be kept away from the work area. The mixer should be used **only** by properly trained workers.

Mixing Procedure

NOTE: Make sure the can lid closed tightly.

For any unexpected occasion occurring, press Emergency button immediately to stop all machine's movements. After solving the problem, turn the button clockwise to exit the emergency mode and resume normal operation.



1. Open the cabinet door
2. Load the can into the machine for mixing:
 - a. Round Gallon Cans.** Insert the can into the can holder. Slip the bail handle into the clip retainers, making sure can is all the way to the bottom between the four lower tabs in the canholder.
 - Square Gallon Cans.** Insert the can into the can holder. Push can down until fully seated at the bottom of the can holder.
 - Quar Cans.** Place the can inside the special adapter (Fig. 3). Set round quart cans horizontally, with lid up (A); set square square quart cans horizontally, lid up (B). Insert the adapter into the can holder. Make sure the adapter lugs are lined up with the bail retainers (C) and adapter is all the way to the bottom of the canholder.
- b.** Close the cabinet door. The mixer has a safety switch to prevent operation if the door is open. Make sure the emergency button is released.
- c.** Set the timer to the desired setting from 30 seconds to 15 minutes.

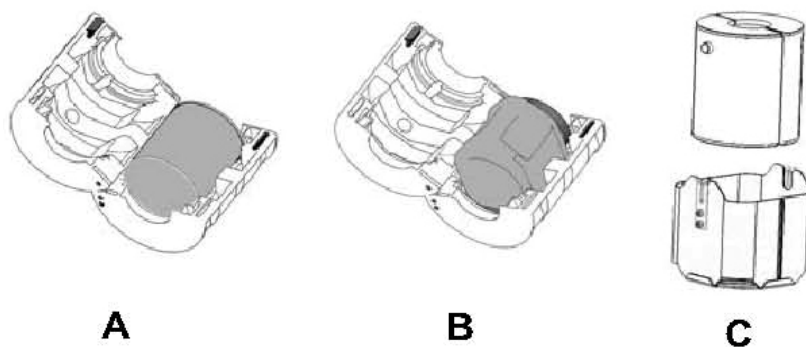


Fig. 3: Using the Can Adapter

Maintenance

Safety Precautions

1. **Keep the machine clean.** clean all surfaces with a mixture of lukewarm water and mild detergent.
 2. **To avoid electric shock,** don't get the timer, control panel or wiring wet.
 3. **Service Property.** Follow the maintenance procedures outlined in this manual. If problems occur, contact our Customer Service Department (see the cover of this Owner's Manual).
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Cleaning

Keep the machine clean. To remove colorant or base paint spilled on machine surfaces:

- **Base Paint or Water-Base/ Glycol Colorant.** Use lukewarm water and mild detergent.
- **Oil-Bass/Solvent Colorant.** Use mineral spirits, Duosol, or MEK sparingly in a well-ventilated area.

To preserve the appearance of the machine do not use abrasives to clean machine surfaces.

Troubleshooting

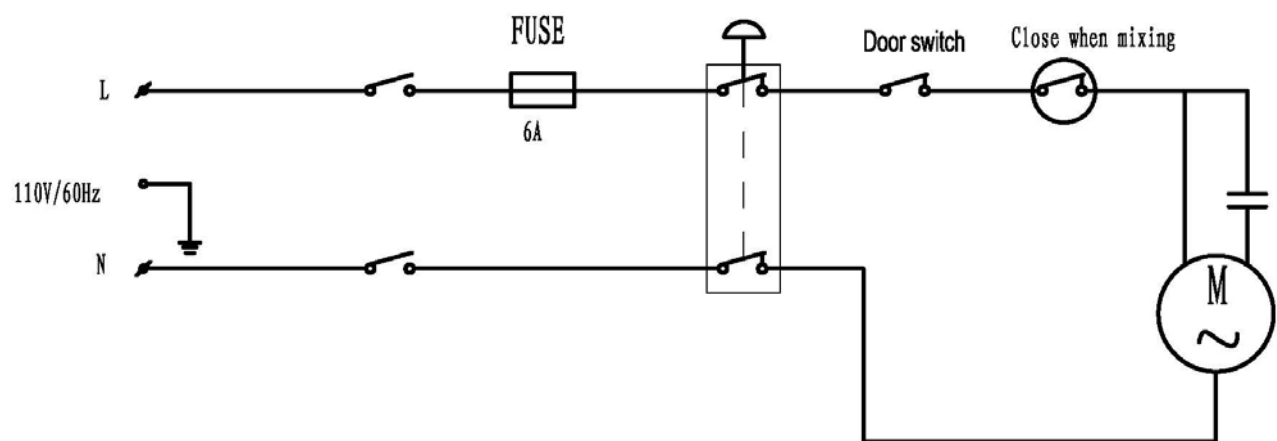


WARNING

RISK OF ELECTRIC SHOCK
ALWAYS UNPLUG MACHINE
BEFORE SERVICING

PROBLEM	CAUSE	REMEDY
Mixer won't operate	Power cord not plugged in	Plug cord into appropriate grounded outlet
	Emergency button is not released	Turn the button clockwise to release
	Power cord or control board damaged	Power cord must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
	Building circuit breaker or fuse blown	Reset breaker or replace fuse
	Mixer door not completely closed	Remove any obstruction and close door properly.
	Motor thermal protector activated	Allow to cool, then restart
	Faulty timer	Have qualified electrician replace timer
	Worn, damaged, or loose drive belt	Unplug power cord, remove back panel and visually inspect drive belt. If worn or damaged, replace the belt. If loose, tighten the belt.
	Door safety switch faulty or needs adjustment	Adjust switch arm, or have qualified electrician replace safety switch
	Loose or broken wire connection	Replace or repair wire connection
Excessive vibration	Machine is not on a level	Adjust the feet to balance the machine
	Damaged paint container	Fix container or replace
	Paint container not properly seated in can holder	Reinsert paint container into can holder
Mixer does not shut off at the end of mixing cycle	Faulty timer	Have a qualified electrician replace timer
Mixer does not shut off when door is opened	Faulty door safety switch	Have a qualified electrician replace switch
Mixer starts slowly or runs slow	Loose drive belt	Tighten drive belt

Wiring Diagrams



Spare Parts and Tools

With each machine a set of standard spare parts and mechanical tools is supplied:

Item	Quantity
10A Fues (glass)	1
Shockproof supporting seat	4
V belt Z-850	1
8-10 Open-end wrench	1
14-17 Open-end wrench	1
4mm Allen (hexagonal) key	1
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