

BONNY MARLIN®



Bonny Marlin System

Owners Manual

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PRODUCT WARRANTY, DISCLAIMER OF WARRANTIES AND LIMITATION OF LIABILITY

Bonny Marlin warrants that the Bonny Marlin System (PRODUCT) shall be free from defects in materials and workmanship for a period of one (1) year from the date of purchase. Labels and consumable items such as filters, decals, brushes, solution, etc. are specifically excluded from the warranty.

During the warranty period, Bonny Marlin will repair or replace, at Bonny Marlin's option, the PRODUCT at no additional charge to purchaser.

Purchaser assumes full responsibility for its selection of the Bonny Marlin System® and any other equipment or services used with the PRODUCT, their use, and results obtained there from.

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Bonny Marlin achieved "Zero Hazardous Waste" using the Bonny Marlin System at their Beta Auto Body shops in Maryland. The Beta shops used paint from several major automotive paint suppliers. Though Bonny Marlin does not expect any major automotive paint to be listed as hazardous, YOU WILL NEED TO HAVE THE WASTE FROM YOUR FACILITY TESTED TO DETERMINE THE PROPER WASTE DISPOSAL OPTION THAT COMPLIES WITH LOCAL, STATE AND FEDERAL REGULATIONS. YOU ARE RESPONSIBLE FOR COMPLYING WITH YOUR LOCAL, STATE AND FEDERAL WASTE DISPOSAL REQUIREMENTS. Bonny Marlin, Inc. is not responsible for any liability related to the disposal of waste material.

Congratulations

You have just purchased one of the most environmentally friendly paint gun cleaning and solution recycling systems in the world! By using the Bonny Marlin System[®], you will be saving money, saving the environment, reducing your liability exposure and reducing employees' exposure to health risks.

If you have any questions or need help with the unit, please contact Bonny Marlin at 888-962-7546.

Important Precautions

Use eye protection to prevent solution spray from getting into eyes.

Use gloves to prevent possible irritation to the skin.

Thoroughly breakdown and clean paint gun the first time it is cleaned using this system and weekly thereafter to insure removal of all leftover paint. Old paint will gradually dislodge during painting and may cause "spitting".

Use only Bonny Marlin Solution in this paint cleaner.

Inspect O-ring when filter is changed; replace it if it is damaged.

Don't allow air regulator to get wet. Solution may discolor or damage regulator.

Always clean gun immediately after use. Don't let paint dry on gun.

After three months of use, tighten pump bolts and check all connections for leaks.

Do not clean air inlet of paint gun with solution. This may cause rusting.

Plastic paint gun cups are porous and more difficult to clean, we suggest using metal cups.

Read and follow all MSDS precautions. Do not drink the fluid and do not get fluid in the eyes.

Paint spray guns must be stainless steel or nickel-plated and Teflon for use with this system. Paint guns made of other material may discolor, oxidize or pit after prolonged use. Do not soak paint guns in solution for a prolonged period. After cleaning gun, air blow it dry completely (inside and outside)

If guns will not be in use for extended period of time, dry it thoroughly before storing.

The Bonny Marlin System must be grounded.

Pump air inlet pressure should not exceed 80 PSI. Do not operate pump dry.

Dispose of all filters, residue and wipes in compliance with all federal, state and local requirements. Testing may be required to establish the proper local disposal procedure.

The system must be cleaned and the pre-filter replaced after every 200 gun cleanings.

Do not let excessive paint residue clog the inlet screen and pump.

Paint Gun Cleaning Procedures

These procedures are applicable to past and current models of Bonny Marlin Systems. The pictures and placement of valves and other components may differ slightly on your system. Please compare the placement of components in these pictures with your system and if they differ, make appropriate adjustments.

Initial Paint Gun Cleaning Considerations

The Bonny Marlin Solution works by getting under and encapsulating paint into minute particles that are filtered or settle in the basin. It is essential that you break down and thoroughly clean your used paint guns the first time after installing the Bonny Marlin System® and periodically thereafter. If you do not do this, you will notice small particles of old paint spray out of the gun. The Bonny Marlin Solution will gradually dislodge old paint, which was left in your gun by your prior cleaning method, causing “spitting” on your paint job.

After cleaning the paint gun, blow it off with air and dry it. Prolonged soaking or keeping the guns wet in solution may discolor; remove anodized coating or cause oxidation on non-stainless steel or non-nickel plated parts.

Cleaning procedure:

Always follow your **Waste / Material Minimization Plan**. Don't mix more paint than is needed for your job. Some paint companies provide a paint-mixing guide recommending the amount of paint typically needed to paint common sections of a car. Use their guide as a start and then adjust these amounts based on your experience.



Always turn Main ON –OFF valve OFF whenever system is not in use.

**Use eye protection to prevent solution spray from getting into eyes.
Use gloves to prevent possible irritation to the skin.**

The Bonny Marlin System can clean paint guns with the lid closed or open. Your local EPA rules may dictate which cleaning procedure you must use. These rules are usually based on the VOC content of the cleaning solution. Bonny Marlin Solutions contain significantly less VOC than lacquer thinner which was used by the EPA as a reference when they established their enclosed paint gun cleaner regulations. The EPA was not considering cleaning solutions with low VOC content at that time. Since Bonny Marlin Solutions have low VOC content, your local EPA may allow you to use our system with the lid open. Review your local regulations to determine which Bonny Marlin Cleaning Solution to use and if you need to operate the system with the lid closed.

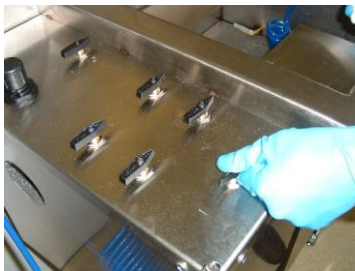
The following operating instructions outline the use of the system with the lid open. Subsequent instructions explain how to clean the paint gun with the system lid closed.

PAINT GUN CLEANING PROCEDURE WITH LID OPEN

Remove air regulator. The solution may discolor the gage.



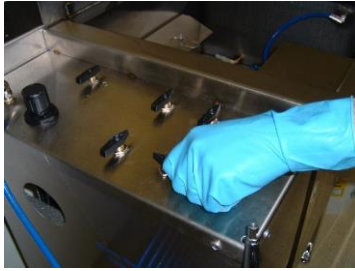
Drain excess paint out of gun into a cup or other container as per Material Waste minimization plan.



Start pump by turning on MAIN ON/OFF valve on front of control panel



Remove Cup from gun and place in Cup Cleaner.



Turn ON CUP CLEANER fluid valve.



Remove Air Cap.



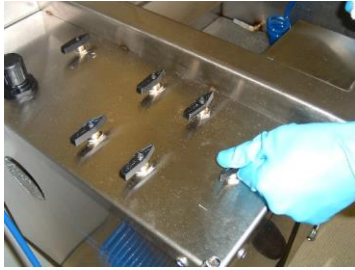
While keeping the paint gun upside-down, place trigger clip over handle and trigger to keep paint gun fully open. Place gun upside down on left wash nozzle in back corner of the basin. Gun should be placed loosely on wash nozzle so that some fluid goes into the gun while some leaks around and cleans the treads. Position gun down so stream will spray out safely. Turn on LEFT BACK fluid valve.



While the solution is cleaning gun and cup, clean air cap and cup lid.



Hold the gun firmly on left gun mount with your right hand and press the solution BLAST button on back of control panel with your left hand for 8 seconds. This will propel solution through the gun with significant force for thorough cleaning. If paint in gun was allowed to dry or if you are cleaning a tough primer, you may need to hold the BLAST button a few seconds longer.



Turn off all valves. Inspect gun and clean off any remaining paint with flow thru brush.



Air blow dry gun including all fluid and air passages.



Reassemble paint gun.

You are finished!

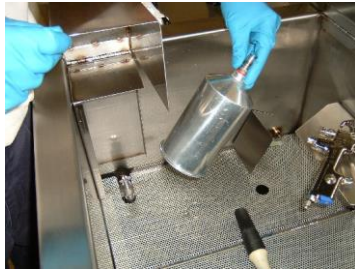
Keep lid of unit closed when not in use to minimize evaporation and keep dirt out. Do not let anyone use the system to clean anything besides paint guns.

ENCLOSED SYSTEM - PAINT GUN CLEANING PROCEDURE

Remove air regulator. The solution may discolor the gage.



Drain excess paint out of gun into a cup or other container as per Material Waste minimization plan.



Remove Cup from gun and place in Cup Cleaner.



Remove Air Cap.

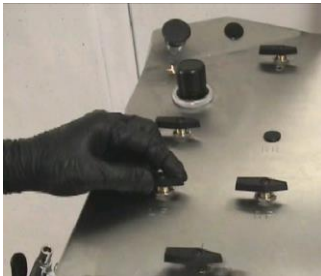


While keeping the paint gun upside-down, place trigger clip over handle and gun trigger to keep paint gun fully open. Place gun upside down on left wash nozzle in back corner of the basin. Place the loop of the stainless steel cable over air inlet and loop it around the pin under the shelf and wedge it into the slot on the shelf. The paint gun should NOT be forced onto the nylon nozzle. Make it snug, but loose enough to allow fluid to leak around the nylon nozzle mount to clean cup attachment threads.

Close the lid.



Start pump by turning on MAIN ON/OFF valve on front of control panel



Turn ON CUP CLEANER fluid valve.



Turn on LEFT BACK fluid valve.



Press Blaster Button for 10 –15 seconds. This will flush paint gun internals with high power stream.

If you are cleaning a cup, wait for one minute to allow the cup to finish cleaning.



Turn off all valves.

Open Lid.

Inspect gun and wipe off any remaining paint with towel or flow thru brush.



Air blow dry gun including all fluid and air passages.



Reassemble paint gun.

You are finished!

Keep lid of unit closed when not in use to minimize evaporation and keep dirt out. Do not let anyone use the system to clean anything besides paint guns.

Recycling/Cleaning Procedure - every 2 – 5 weeks

1. Cleaning and Recycling should be performed when solution is dirty. Typically after every 500 gun cleanings if you clean metal cups and 2,000 gun cleanings if not cleaning cups. Cleaning the system should be performed first thing in the morning before solution has been stirred up.
2. Turn off Main Valve and disconnect airline from unit.
3. Release pressure from pump and filter housing by opening basin solution valves
4. Drain solution into holding buckets.
5. Remove mushroom filter at bottom of basin. Do not allow residue at bottom of basin into the bucket.
6. Soak up the remaining residue with wipes. Clean basin and input mushroom filter.
7. Change Pre Filter (front filter) as follows:
 - a. To make filter removal easier, release fluid pressure by opening fluid control valves.
 - b. If you are unable to remove the filter by hand, place filter wrench as high as possible on filter housing. Make certain handle is positioned so that you will be pulling away from and not pushing toward the unit to remove the filter. Pushing toward the unit could result in bruising of knuckles when the housing breaks loose or if the filter wrench slips.
 - c. Place small bucket under filter housing to catch spilled solution.
 - d. Unscrew housing using your hands or if needed the wrench. Apply twisting motion to the filter, not straight pull, to prevent ripping the filter housing out of support screws. While turning the filter housing, support the base of the housing with the other hand to prevent pulling it out of mounting screws.
 - e. Replace pre-filter.
 - f. Replace O-Ring if it is damaged or crushed..
 - g. Tighten housing hand tight. Do not use the wrench.
8. Close drain valve.
9. Pour solution from holding buckets back into basin.
10. If needed, add new solution to cover the input screen by a couple of inches.
11. Reconnect airline to unit.
12. Drain air regulator bowl, reachable through hole in side of control panel skirt, by turning valve at bottom of bowl ¼ turn to release any trapped water.
13. Turn system on and check filter housing for leaks. Tighten if needed.
14. Visually inspect control valves, hoses and pump bolts for leaks. Tighten if needed.
15. Turn recycle valve on for 15 minutes to recycle solution.
16. If recycle solution flow is slow, the recycle filter is dirty and needs to be replaced (usually 3-6 months). After new recycle filter is installed, solution flow may be slow for 10 minutes until filter is saturated.

Problem Resolution Check List

Unit does not pump fluid

- Check that main air hose is connected and is supplying air
- Check air regulator – adjust to 80 PSI
- Check that the main air control valve in front of control panel is open
- Check that the fluid valves are open.
- Check that input screen in basin is not clogged
- Check that pre filter is not clogged

Hissing noise due to air leak

- Tighten pump bolts
- Check air hoses for leaks

Foamy white solution in Wash Basin

- Not enough solution in basin - add solution to cover intake mushroom screen.
- Check for air leaks as noted above

Irregular or low pressure

- Make certain enough shop air is being supplied to unit. It needs to be constantly over 80 PSI
- Check air regulator setting
- Drain filter bowl in base of regulator
- Check pre-filter, it may be clogged.
- Make sure pre-filter (front, string wound) and recycle filter (back, plastic ends) are in correct housings

Fluid leaks

- Make certain basin drain valve is closed
- Check hose/tube fittings and tighten
- If around filter housing, tighten filter housing and check O ring

Oxidation or rusting of gun or parts

- Wipe and air blow gun dry after cleaning.
- Do not soak gun for long periods of time, keep it dry when not in use.
- Use stainless steel and nickel-plated paint guns.
- Do not get solution into air inlet of paint gun.
- Occasionally use paint gun lubricant on all threads per gun manufacturer instructions.

Crusting on paint gun

- Dry gun after cleaning.
- Only use the Bonny Marlin Solution
- If paint gun will not be used for extended period of time, dry it thoroughly before storing and apply paint gun lubricant on all threads per manufacturer instructions.

Prolong Filter Life

- Completely clean out residue from basin during maintenance to maximize filter life.
- Do not pour excess paint into basin.

Spill Cleanup Procedures

Keep Spill Clean Up Kit (absorbent material) in an accessible location.
Inform all technicians of Spill Clean Up Kit location and clean up procedures.

Refer to the **MSDS** for specific instructions regarding the solution.
Refer to your paint manufacturer's **MSDS** for their spill cleanup instructions.

Be careful to avoid spilling the solution. If it is spilled, use the following procedure to clean it up.

- 1- Put on necessary protective equipment.
- 2- Contain spill with absorbent material.
- 3- Soak up spilled fluid.

ONCE CLEANED UP:

- 1- Test absorbent material as required.
- 2- Dispose of waste in accordance with local, state and federal regulations.