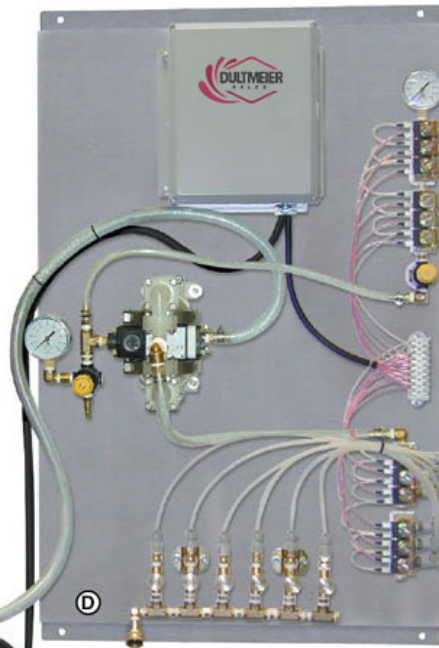




Triple Color Foam Brush System

DU FB3T - DU FB8T



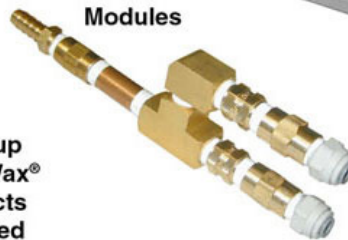
DU FB6T

70" Stainless Wall Booms



Start-up
Turtle Wax®
Products
Included

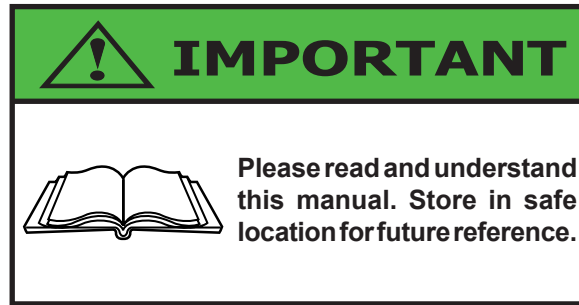
Foam
Modules



Owner's Manual #0835 070821

Serial Number:

Installation Date:



Everyone who operates this unit should understand basic operations and safety precautions!
The time you take to fully understand the proper installation, maintenance and use of the machine will prolong its service life, and assure you of trouble free operation.

When unpacking, check to make sure all the parts shown on the Parts Breakdown near the end of this manual are included. If any parts are missing or broken, please call Dultmeier Sales as soon as possible.

Consumers should notice that this manual may differ slightly from the actual product as more improvements are made to our products. Some of the pictures in this manual may differ slightly from the actual product as well. Dultmeier Sales reserves the right to update designs and / or change the specifications at any time without incurring any obligation to install them on units previously sold.

If you have any questions or suggestions about this manual, please contact us at:

1-888-677-5054
dultmeier@dultmeier.com
www.dultmeier.com

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Setup Instructions

- 1) Mount board on wall. (See General Requirements for tank mounting before starting)
- 2) Run air supply line to air inlet on board. The regulator is to control air mixture out to brush.
- 3) Connect pump suction hose (provided) to inlet of pump.
- 4) Connect hard water weep supply line to weep manifold on bottom right of board. Individual needle valves are provided for each bay. When weep system is on, pump pressure may have to be set higher to overcome weep line pressure. A regulator may be required on weep line to board.
- 5) Manifolds should be placed as close as possible to boom. Run tubing provided from air and chemical solenoids on board to manifolds. Run 3/8" poly hose from manifolds to coiled hoses.
- 6) Run two wire 18 gauge cable from board to main panel for each bay.
- 7) Mount boom in bay. Boom bracket can be pitched slightly so boom will fall back to wall when not in use. Mount brush bucket at floor level. Weep and floor heat system should insure that brush does not freeze over and water in bucket will keep brush clean and free of gravel, etc. Position hose hook on wall to hold handle in place when brush is in bucket. Connect bay hose from boom to brush assembly. Hang bay sign.
- 8) Open air line to board. Pump should prime and stop running. This pump is demand style and will pump when any one of the chemical solenoids is activated. With weep supply off, go to foam brush position on switch in first bay. Board is tested and set before shipment but may require some adjustment. Chemical solenoid has a metering screw. Best results are with pump pressure at 40 PSI with air pressure at 25-30 PSI. Air pressure must be lower than pump pressure or air will override chemical.
- 9) When weep system is on, pump pressure may have to be set higher to overcome weep line pressure. A regulator may be required on weep line to board.
- 10) Test and adjust all bays as needed.

The following is a list of common replacement parts on this system.

FB 367	Brush head complete	JS LRD-HH	Hose hook
FB 1367	Brush insert	TF RF038	Bay hose
FL SW300	Swivel	TP 1260	Brush bucket
BC 5BH	Brush handle	FJ G5700	Air operated pump
GN 2Z767	Air regulator		

Feel free to call if you have any questions on installation or operation of this system. Car wash technical sales and service can be reached by pressing #3 on phone menu at 1-800-228-9666.

Safety Requirements

- Always disconnect power from any electrical component you are working on. Unplug the unit or use a Lock Out so that no one can inadvertently turn the power back on while you are working on that equipment.
- Wear Protective clothing and eyewear when dispensing chemicals or other materials.
- Wear protective clothing and eyewear when using power tools.
- Always observe safety and handling instructions of the chemical manufacturers.
- Always direct discharge away from you or other persons or into approved containers.
- Use CAUTION when maintaining your equipment.
- Keep equipment clean for proper operation.
- Always reassemble equipment according to instruction procedures.
- Be sure all components are firmly screwed or latched into position.

General Requirements

- Before getting started you must determine the best location for your new Triple Foam Brush tank assembly. The following requirements will aid in this placement. It is best for the pump if the tank and the board are mounted side by side.
- Tank Height: The three tanks should be located no lower than 24" from floor level so as to accommodate 5-gallon containers underneath. The maximum height the tank can be mounted is determined by the suction draw of the Hydrominders. They recommend not exceeding 6' from the Hydrominder to the bottom of the chemical drum. If you must raise the tanks above 6', be sure to raise the soap containers so that the 6' distance is not exceeded.
- Controller Box: The board with the electrical control box must be mounted within 4' of a 110V AC outlet.
- Power Requirements: A provided 110V AC plug provides power to this unit. Amperage draw of the entire unit is less than 7 Amps.

Begin Installation

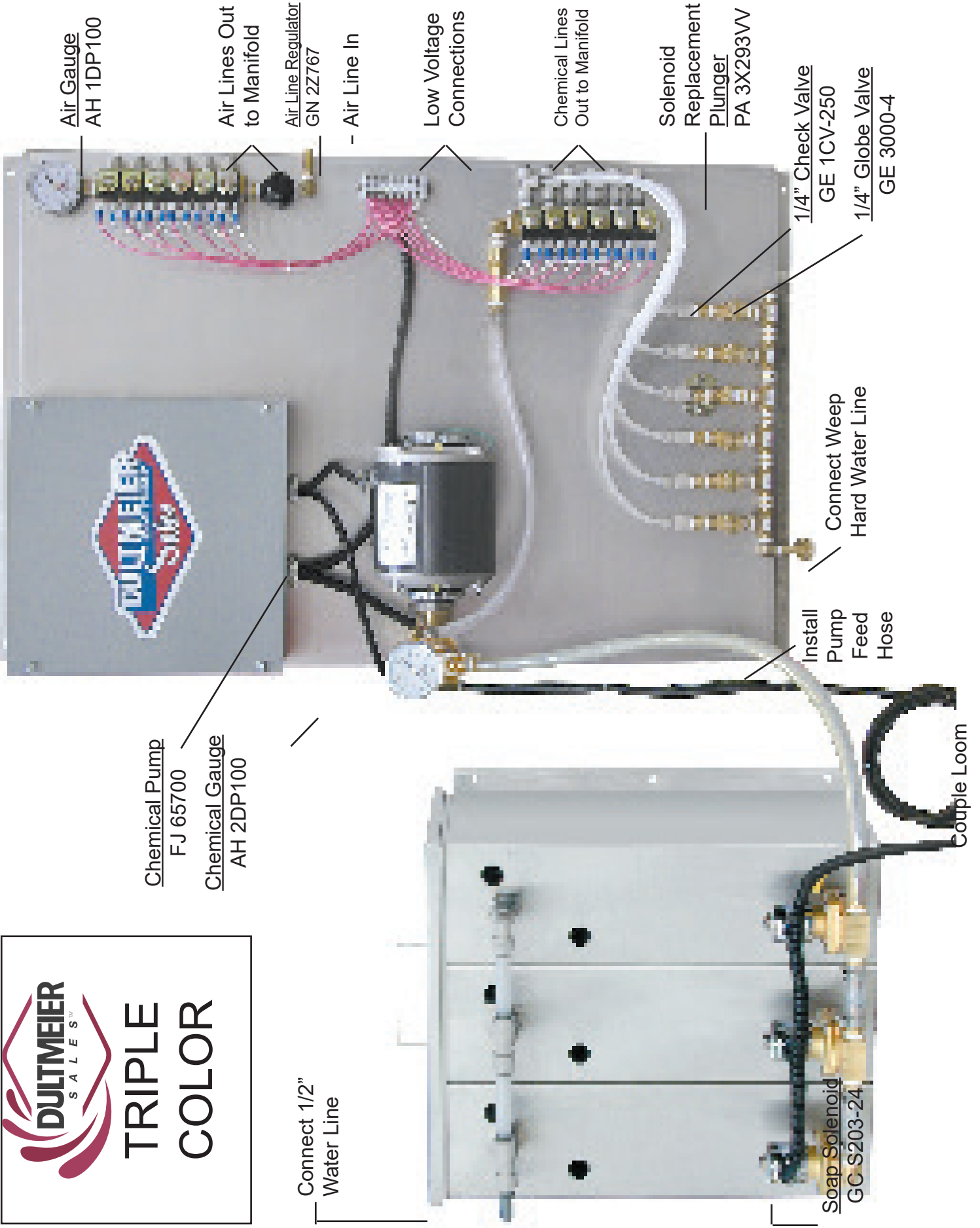
- Mount Tank: Begin the installation by measuring the height the tank will be mounted from. Mark the first hole of the tank on one side. After attaching the first hole on one side, use a level to be sure tank is plumb and level, mark one hole on the other side. After attaching second side, double check with level. If level and plumb, drill and anchor remaining holes on tank.
- Water Requirements: The unit requires the same size incoming water line as the existing foam brush unit. In most cases this will be a 1/2" line with at least 8 GPM flow and must have a minimum of 30 PSI and a maximum of 70 PSI.
- Connect Tank to Existing Pump: The tank's outlet on the front side is a 1/2" male hose barb. Simply run a hose from the bottom of the new three-tank outlet to the inlet of the pump (this hose is included with kit).

Chemical Mixing

- Dultmeier Sales Triple Wax Systems come with Turtle Wax Protectants for each of the three colors that you will be using. Since the Turtle Wax products are highly concentrated, it is critical that they are mixed properly for cost effectiveness and performance in the bays.
- Mix each chemical in the 15 gallon tanks 50/50, then attach the chemical tubing with foot valves from the Hydrominder tip into each of the 15 gallon tanks. It does not matter which color is in a tank compartment. Make sure that the chemical tubing line is pushed down to the bottom of the tank and does not curl back up from the bottom. If stronger colors are desired, you will have to change from pink tips to purple tips in the Hydrominders.

Startup Adjustments

- When the 3 compartment tank is full with the three different colors, it is now time to run the products to the bays. It is recommended that the time between pulses and colors to the bays be 10 to 15 seconds per color. This will allow for distinct color changes to occur in the bays. These settings are adjustable on the controller to meet personal preference.
- On the back of the bay solenoids, both air & chemical, there are needle valves to adjust each bay as needed for desired foam. Start with 70 PSI on chemical and 50 PSI on the air and adjust as needed for desired foam in the bay.
- All systems are designed with "weep" systems for freeze prevention. It may be necessary to override your weep water in the winter months during triple wax operation with solenoids or check valves or change the concentration ratio by changing the chemical tip.





Notice Regarding Manufacturer's Limited Warranty

Dultmeier Sales Limited Liability Company (hereinafter Dultmeier), notifies you that component part(s) carry a manufacturer's limited warranty provided by the manufacturer of said component part(s). These warranties do not pertain to normal wear of component part(s) that may occur within any specified period. While Dultmeier is not the manufacturer of any of the component part(s), Dultmeier will assist you in processing any and all manufacturer's warranty claim if applicable and available. Any and all manufacturer's claims must be submitted in writing to the manufacturer within the warranty periods provided by the manufacturer.

Defective component part(s) that are to be considered for manufacturer's limited warranty must be returned to the manufacturer by prepaid shipment with the applicable manufacturer's limited warranty period. If the component part(s) are deemed to be defective under the manufacturer's warranty, Dultmeier will assist in obtaining a replacement or repair of the component part(s). Said component part(s) will be returned F.O.B. Omaha, Nebraska. Replacement or repair shall be the exclusive remedy for any breach of warranty. Labor for installation, either with respect to original or replacement part or components, is not covered under the manufacturer's limited warranty.

Neither the manufacturer nor Dultmeier warrants loss of income or consequential damages for injury or commercial loss resulting from any breach of warranty or warranties stated above.

The manufacturer's limited warranty as stated does not apply to component part(s) which have been improperly installed, misused, altered, neglected, abused or not installed, adjusted, maintained, or used in accordance with applicable codes and ordinances and in accordance with the manufacturer's specifications as to such factors.

Notwithstanding Dultmeier's willingness to assist in the processing of the manufacturer's limited warranty, Dultmeier makes no warranty against infringement of the like, makes no warranty of merchantability, makes no warranty of fitness for a particular purpose, and makes no other warranty, express or implied, including implied warranty arising from the course of dealing or usage of trade.

Compliance with all local, state and federal codes regarding the installation and operation of said equipment, parts and components shall be the responsibility of the purchaser. The rights and obligations of the parties shall be governed by the laws of the State of Nebraska.

**Dultmeier Sales • 1-888-677-5054
Omaha, NE - Davenport, IA**