



Machine Serial Number _____

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HYDRAMASTER© Corporation
Mukilteo, Washington

MAN-33123 Rev. 0

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Table of Contents

GENERAL INFORMATION	Section 1
Contact Information	1-3
Warnings, Cautions, and Notices	1-4
OPERATING INSTRUCTIONS	Section 2
Optional Accessory Handle Assembly	2-1
Begin Cleaning	2-2
TOOL MAINTENANCE	Section 3
Removing and Reinstalling the Clear Access Window Cover.....	3-1
Cleaning the Solution Bar Jet	3-3
TOOL ASSEMBLIES AND PARTS LIST	Section 4
HOW TO ORDER PARTS	Section 5
WARRANTY INFORMATION	Section 6
Warranty Coverage and Procedure	6-1

List of Figures

GENERAL INFORMATION.....	Section 1
Fig. 1-1 DriMaster HiFlo Upholstery Tool.....	1-1
Fig. 1-2 Optional Accessory Handle	1-1
OPERATING INSTRUCTIONS.....	Section 2
Fig. 2-1 Remove Tool Screws.....	2-1
Fig. 2-2 Attach Accessory Handle.....	2-2
Fig. 2-3 Attach Solution Hose and Adjust Water Volume.....	2-2
TOOL MAINTENANCE.....	Section 3
Fig. 3-1 Remove Tool from Hose	3-1
Fig. 3-2 Remove Solution Control Knob	3-1
Fig. 3-3 Remove All Screws on Tool	3-1
Fig. 3-4 Separate Tool in Half	3-1
Fig. 3-5 Reinstall Clear Window Cover.....	3-2
Fig. 3-6 Clean the Solution Bar Jet.....	3-3
TOOL ASSEMBLIES AND PARTS LISTS	Section 4
Fig. 4-1 Tool, DriMaster HiFlo Handpiece Assembly	4-2
Fig. 4-2 Handle, Accessory Assembly	4-4

1 - General Information

Congratulations on purchasing the very latest in upholstery cleaning technology.

The patented HydraMaster DriMaster™ HiFlo Upholstery Tool, shown in Figure 1-1, takes the performance and technology of the original DriMaster Upholstery Tool to a whole new level.*



Figure 1-1. DriMaster™ HiFlo Upholstery Tool

The new tool is designed of lightweight, extremely durable modern materials, giving it new levels of both strength and comfort. It accommodates high volume jobs where production rate is important. An optional accessory handle, shown attached to the tool in Figure 1-2, is available to increase comfort on long cleaning jobs.

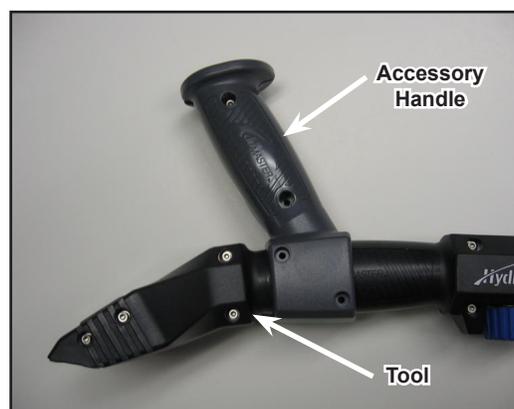


Figure 1-2. Optional Accessory Handle Attached to DriMaster HiFlo Upholstery Tool

* U.S. Patent No. 6,243,914, 7,070,662 & RE39,623
Other U.S. and Foreign Patents Pending



The DriMaster HiFlo Upholstery Tool is capable of greatly increased solution flow rates for jobs that require a flushing action which also makes the tool efficient for stair cleaning.

Keep in mind that although the solution flow rate has greatly increased for the DriMaster HiFlo, this tool will still leave the upholstery drier than any other tool on the market by turning down the flow rate to equal that of the original DriMaster Upholstery Tool.

CAUTION

Do not allow the tool to come into contact with the tack strip, as the cleaning surface will be damaged by the tack strip along the edges of the stairs.

We trust that you will enjoy many years of reliable upholstery cleaning with our new tool. If you have any questions please contact your local HydraMaster dealer or call HydraMaster Sales or Customer Service at 800-426-1301.

Contact Information

Hours

Monday - Friday
7:00 am to 5:00 pm
PACIFIC STANDARD TIME

Telephone Numbers

(425) 775-7276 Parts
(425) 775-7275 Service
(800) 426-4225 Parts / Service FAX

FILL IN FOR YOUR REFERENCE:

Model: _____

Date of Purchase: _____

Purchased From (Distributor): _____



Warnings, Cautions, and Notices

⚠ WARNING

This symbol indicates a situation which, if not avoided, could result in death or serious injury.

CAUTION

This symbol indicates a hazardous situation which, if not avoided, could result in damage to the cleaning tool.

NOTICE

This symbol indicates that federal or state regulatory laws may apply, and also emphasizes supplemental information.

2 - Operating Instructions

Your DriMaster HiFlo Upholstery Tool has been engineered using the latest and most sophisticated technology available to produce the finest upholstery cleaning results possible. Despite this, it remains only a tool of the upholstery cleaning trade and can only produce results that are equal to the skills and care used by the person operating it.

HydraMaster strongly recommends attending an Institute of Inspection, Cleaning and Restoration Certification (IICRC) approved Upholstery Cleaning course as soon as possible and to always follow the IICRC guidelines when cleaning.

Optional Accessory Handle Assembly

The DriMaster HiFlo Upholstery Tool can be equipped with an optional accessory handle (purchased separately) to increase comfort and control during difficult or extended repetitive use of the HiFlo Tool.

1. Remove the two screws, nuts, and washers found on the handle grip portion of the tool (Figure 2-1). These parts will be reused in fastening the handle.



Figure 2-1. Remove Tool Screws

2. Attach the accessory handle as shown in Figure 2-2. The original shorter screws, nuts, and washers are used on the upper handle. The longer supplied screws, nuts, and washers are used to connect the handle to the tool body.

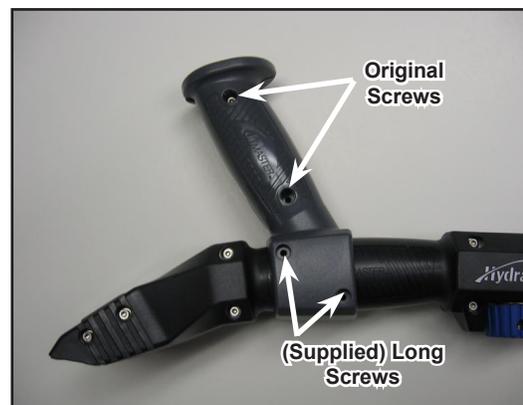


Figure 2-2. Attach Accessory Handle

Begin Cleaning

⚠ WARNING

Do not use the DriMaster HiFlo Upholstery Tool on a machine set above 14" Hg vacuum and 500 psi solution pressure.



Figure 2-3. Attach Solution Hose and Adjust Water Volume

1. Attach the solution hose to the **Solution Quick Connect**. A 1 ½" vacuum hose can be attached to the **Vac Hose Manifold** (see Figure 2-3).
2. Adjust the water volume by turning the **Solution Control Knob** (see Figure 2-3). By turning the knob counterclockwise, the water volume will increase. By turning the knob clockwise, the water volume will decrease. The amount of water volume you need will vary with the type of machine you are cleaning with and the type of material you are cleaning.

To begin adjustment, make sure the machine is running, and both vacuum and solution hoses are connected. Slowly open the **Solution Control Knob** until water is flowing across the entire bar jet (without overspray).

Note: The amount of vacuum and pressure produced by your machine will determine the amount of overspray from the Solution Bar Jet. The patented Solution Bar Jet makes a trigger valve unnecessary.

When the **Solution Control Knob** is turned toward the “HiFlo” position, the water will form a sheet across the **Solution Bar Jet**.

⚠ WARNING

Be careful not to touch the Solution Bar Jet; it may cause severe burns!

NOTICE

It may be necessary to periodically clean the inside of the tool, hose and manifold. Debris can build up over time, restricting the vacuum flow (see Figure 3-6).

3 - Tool Maintenance

Removing and Reinstalling the Clear Window Cover

1. Remove vacuum hose cuff from tool and disconnect the solution hose quick connect as shown in Figure 3-1.

Note: Lightly heating the “cuff” with a hair dryer will make it easier to remove and install.



Figure 3-1. Remove Tool from Hose

2. Remove the knob by removing the 8/32” Allen head screw as shown in Figure 3-2.



Figure 3-2. Remove Solution Control Knob

3. Remove all screws from both sides of the tool (Figure 3-3) and carefully separate the tool halves (Figure 3-4).



Figure 3-3. Remove All Screws on Tool



Figure 3-4. Separate Tool in Half

4. Slide the clear window cover off of the tool body.
5. To reinstall the clear window, slide it into one half of the tool body (Figure 3-5). Then slide the other half of the body onto the window.

Note: The clear window has grooves on either side that slide onto the edges of the cutouts in the tool bodies.

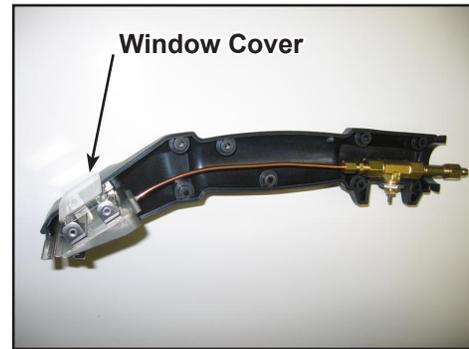


Figure 3-5. Reinstall Clear Window Cover

NOTICE

The wear plates must be aligned and slid onto the tool half at the same time as the cover.

CAUTION

The window cover may come out if not installed properly.

6. Continue to assemble the two halves of the tool together, with the clear window being captured in the cutouts. Careful attention must be paid when sliding the two body halves together.
7. Reinstall the screws using Loctite® 222.

Cleaning the Solution Bar Jet

The solution bar jet needs to be cleaned with a .020" feeler gauge.

Slide the feeler gauge into the small slot. Gently slide the gauge back and forth to clear any debris from the opening (Figure 3-6).

CAUTION

Use only a feeler gauge to clean the slot in the Bar Jet. Use of any other implement (paper clip, knife blade) may damage the opening and seriously reduce the cleaning effectiveness of the DriMaster tool.



Figure 3-6. Clean the Solution Bar Jet

4 - Tool Assemblies and Parts Lists

This section contains all the assemblies and parts lists associated with the DriMaster HiFlo Upholstery Tool:

- HiFlo Handpiece Assembly
- Accessory Handle Assembly

Figure 4-1. Tool, DriMaster HiFlo Handpiece Assembly
D-6960 Rev. C

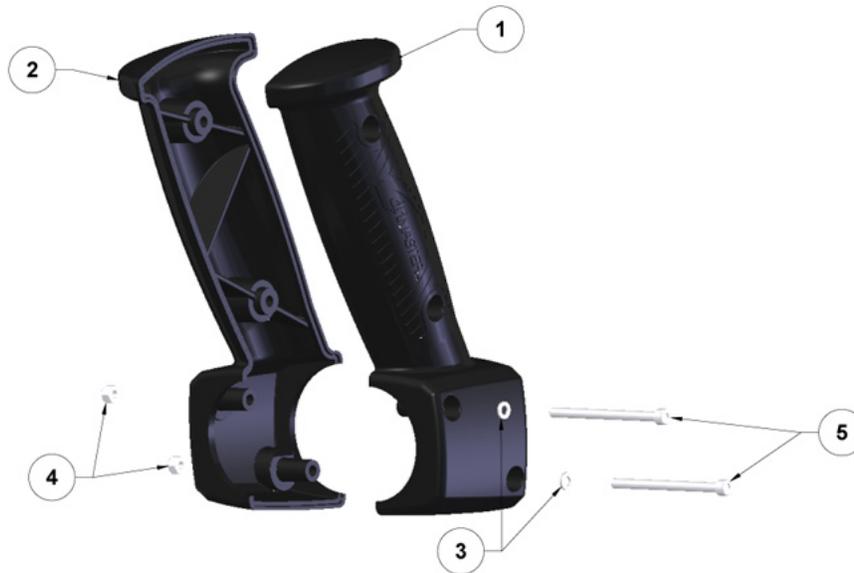


Tool, DriMaster HiFlo Handpiece Assembly Parts List

Item	Part Number	Description	Qty
1	000-076-084	Jet, DriMaster HiFlo Bar Assembly	1
2	000-105-533	Plate, Wear DriMaster HiFlo	2
3	000-061-138	Handle, Handpiece, Left, DriMaster HiFlo	1
4	000-169-014	Valve, Ball	1
5	000-052-762	1/8" NPT x 1.5	1
6	000-052-433	Quick Disconnect, Male 1/8" NPT	1
7	000-061-139	Handle, Handpiece, Right, DriMaster HiFlo	1
8	000-174-768	Washer, Flat, .875 O.D. x .515 I.D x .035 Thk	1
9	000-174-167	Washer, Flat, .248 O.D. x .128 I.D. x .029 Thk	12
10	000-094-063	Nut, Nylock, 6-32	8
11	000-041-445	Cover, DriMaster HiFlo, Window	1
12	000-052-739	1/8" NPT x .125 O.D.	1
13	000-061-146	Assembly, Knob Custom Insert With Label	1
14	000-143-576	Capscrew, Socket Head, 6-32 x 5/16	4
15	000-143-577	Capscrew, Socket Head, 6-32 x 3/4	2
16	000-143-578	Capscrew, Socket Head, 6-32 x 7/8	6
17	000-068-667	Hose, Hide-A-Hose Assembly	1

Figure 4-2. Handle, Accessory Assembly

C-6958 Rev. B



Handle, Accessory Assembly Parts List

Item	Part Number	Description	Qty
1	000-061-142	Handle, Accessory, Right	1
2	000-061-141	Handle, Accessory, Left	1
3	000-174-167	Washer, Flat, 0.248" O.D. x 0.128" I.D. x 0.029" Thk	2
4	000-094-063	Nut, #6-32 Nylock	2
5	000-143-579	Screw, #6-32UNC x 2" Lg. Socket Head	2

5 - How to Order Parts

From time to time, cleaning equipment may wear or malfunction. To obtain a proper diagnosis of your malfunction, and to order warranty replacement parts or arrange for repairs, it is important that you proceed in the following manner:

WARRANTY PARTS ORDERS

1. Call the local distributor where you purchased your DriMaster Upholstery Tool and ask for the Service Department.
2. Have the following information ready:
 - A. Model
 - B. Date of Purchase
 - C. Description of Malfunction
3. Once it has been determined which parts are needed to correct the problem with your tool, make arrangements with your distributor to either perform the repairs or ship the parts to you.

PARTS ORDERS

Call your local distributor. In most instances, they either stock or have access to parts through a regional service center.

NOTICE

For a list of distributors, access HydraMaster's website at:
<http://www.hydramaster.com/owners/locate/index.asp>

EMERGENCIES

If, for any reason, your distributor is unable to supply you with the necessary parts, they may call us and arrange for expedited shipping.

HydraMaster sells parts only through authorized distributors and service centers. (See HydraMaster's website - <http://www.hydramaster.com/owners/locate/index.asp>)



ONE FINAL NOTE

Any questions you have regarding the warranty program should be directed to the:

HydraMaster Customer Service Department
(425) 775-7275
7 a.m. to 5 p.m.
Monday through Friday (PST)
[www.hydramaster.com/ owners/goldenguarantee.asp](http://www.hydramaster.com/owners/goldenguarantee.asp)

We shall always endeavor to be fair in our evaluation of your warranty claim, and shall provide you with a complete analysis of our findings.

HydraMaster warranty covers only defective materials and/or workmanship for the periods listed. **Diagnostic reimbursement is specifically excluded.**

6 - Warranty Information

Warranty Coverage and Procedure

All parts of the DriMaster HiFlo upholstery tool are warranted against defects for one year. Freezing, hard water, the use of solvents and/or abuse will void the warranty.

Warranty coverage is available to you through *your local Distributor*.

Please refer to <http://www.hydramaster.com/owners/goldenguarantee.asp> for more warranty information.

If you need information regarding your local distributor, call HydraMaster at (425) 775-7272 or email us at custsvc@hydramaster.com. You can also visit the HydraMaster website at: <http://www.hydramaster.com/owners/locate/index.asp>

IMPORTANT: HydraMaster's warranty policy provides replacement parts without charge for sixty (60) days to distributors maintaining current account status. An invoice will be sent to the distributor for the amount of the parts sent (if we require the parts back). The customer's faulty parts **must be** returned for evaluation prior to the expiration of the sixty (60) day period. Upon warranty approval, a credit will be issued the distributor for the replacement parts invoice. **Warranty disapproval or failure to return the faulty parts within the sixty (60) day period allowed will result in the customer being charged for the replacement parts sent.**