

Hammerhead

series

SELF-CONTAINED SOFT SURFACE PORTABLE EXTRACTOR



MajesticFlagstore.com
618-969-9444

Manufacturer of commercial & environmental cleaning equipment

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Specifications: (HammerHead Shark HHS-1812)

HOUSING

- ~ rotationally molded polyethylene body
- ~ 7.5 gallon solution tank and 6 gallon recovery tank
- ~ unit weight 79lb.

VACUUM MOTOR

- ~ one 3 stage vacuum motor
- ~ 143" suction power (H₂O)
- ~ air flow 106 (cfm)

PUMP

- ~ 120 PSI pump
- ~ flow rate 1.4 (gpm)

POWER

- ~ 12-3 x 50' power cord
- ~ 120 volt AC with 14 amperes (MAX up to 19 amp.)



Options:

- ~ 170 PSI, 220 PSI pump
- ~ vacuum hose, solution hose
- ~ other type of tools and accessories available

image shown Hammerhead Shark with
optional Double Bend See Through
Auto-Seal Wand (Patent No. U.S.
D455,5325), 10' vacuum hose
and 10' solution hose



- 1 * clear dome vacuum lid.
* vac. hose connection
- 2 * fold down handle
(L38" X W18" X H30")
* fold up handle
(L45" X W18" X H38")
* ergonomically positioned
switches, spray button molded
folding handle with cord storage
* flexible stainless steel cable
for knob
- 3 * 2/10" non-marking rear wheels
- 4 * pressurized brush motor chamber
preventing from water damage
- 5 * **brush motor** 1/3 HP
(max 2/5 HP)
* high tech nylon brush and
Engineered Plastic Bearing
for longer life and preventing
from rust
* rust proof plastic quick
release jets for easy clean
- 6 * 18" Auto-Seal Wand Head™
(Patent No. U.S D455,5325)
* cleaning path 18"
* solution connection
- 7 * flip open design
for easy access
to all mechanical
components
* smart vent system



standard color: blue, granite

CAUTION: Do not use flammable and volatile material.

SPECIFICATIONS, FEATURES, ILLUSTRATIONS AND EQUIPMENT SHOWN IN THE CATALOG ARE BASED UPON THE LATEST INFORMATION AT THE TIME OF PUBLICATION. ALTHOUGH DESCRIPTIONS ARE BELIEVED TO BE CORRECT AT THE TIME OF PUBLICATION, SPECIFICATIONS, ACCESSORIES, COLOR, MATERIAL, MODELS AND IMPROVEMENTS ARE SUBJECT TO CHANGE WITHOUT NOTICE. LIMITED WARRANTIES: SEE OWNERS MANUAL. ORDINARY MAINTENANCE ITEMS OR ADJUSTMENTS, PARTS SUBJECT TO NORMAL WEAR, AND OTHER CERTAIN ITEMS ARE EXCLUDED FROM WARRANTY.

Hammerhead sharkSeries

Owner's Manual
Self-container portable extractor



Manufacturer of commercial & environmental cleaning equipment

When the machine is delivered

Check the carton and machine carefully for signs of rough handling. If the unit is damaged, notify the carrier immediately and request an inspection. Be sure to keep the carton, packing inserts, packing list and carrier's receipt until the inspector has verified your claim.

General precautions

Make sure the machine is plugged into an electrical outlet with the same voltage as shown on the unit. When plugging in a **two cable machine**, each should be into a **separate circuit**, when this is accomplished a "Green Light" will turn on in the dash panel. Push switch on dash panel above green bulb, if two circuits are accomplished the bulb will light up. No light, keep looking for two circuits.

Warning

- This machine was designed for carpet, floor and upholstery applications as per instructions and recommendations written in this manual. Any deviation from its proper use or purpose and the consequential damage that may occur is the sole responsibility of end user.
- Do not use volatile substances such as gasoline, kerosene, or any petroleum base solvent in the machine or anywhere near the cleaning area. The use and presence of such materials could cause an explosion and fire.
- Do not expose machine to extreme temperatures.
- Do not attempt repair of machine see your authorized service dealer.
- Do not use unauthorized replacement parts.

This machine was tested before shipping and in most cases some water or anti freeze might remain in the plumbing system, we suggest flushing it out before using it. Make sure to use antifreeze for storage if you are located in extreme cold weather.

	POWER HEAD	
Problem	Possible Cause	How to Repair
Power head brush is not working	1. Check the outlet & the plug 2. Damaged cord 3. brush switch off 4. circuit breaker off 5. loose wires	1. plug in properly 2. see authorized repair personnel 3. turn brush switch on 4. reset circuit breaker on the machine or flip circuit breaker on or replace fuse. unplug other equipment using the same circuit. make sure cords plugged into proper amp circuits. 5. see authorized repair personnel
Spray trigger not working	1. see general pump system trouble-shooting (page. 12)	
Need to push so hard	1. brush belt broken 2. bad motor 3. stuck debris in the power head or belt	1. replace with new one 2. replace new motor or see authorized repair personnel 3. clean all debris
Not picking up water	1. clogged or dirty in sucking section (wand head) 2. sucking section of power not moving freely 3. see general vacuum system trouble-shooting. (page. 13)	1. clean 2. clean sucking section (power head)
See line on the working area	1. clogged or dirty spray-tip 2. dirty brush	1. clean 2. clean

**DO NOT ATTEMPT TO REPAIR THE MACHINES,
CONTACT AUTHORIZED REPAIR SHOP OR DEALER**

Disconnect Power Cords from the outlet before doing any maintenance work

Vacuum System		
Problem	Possible Cause	How to Repair
Vacuum motor on, little or no vacuum or suction to head (wand/upholstery tool)	1. Lid is not closed 2. Drain valve not closed 3. Hose or wand clogged 4. Accumulated dirt on the filter and ball float cage 5. Worn out lid gasket 6. Lint and dirt build-up on wand 7. Damaged vacuum hose 8. Loose or no vacuum hose connection inside the machine 9. Lint accumulation in vacuum fans	1. Close the lid 2. Close the drain valve 3. Clean hoses and wand 4. Clean or replace the filter 5. Replace the gasket 6. Clean the wand 7. Replace 8. See authorized repair personnel 9. See authorized repair personnel
Vacuum motors run intermittently		See authorized repair personnel.
ETC.....		
Problem	Possible Cause	How to Repair
Water not pumping out/no water from the jet	1. Machine not plugged in (or circuit breaker off) 2. Switch is not turned on (bad switch?) 3. The hose is not connected properly 4. Empty solution tank 5. Jets are clogged	1. Plug in working outlet 2. Turn the switch on. See authorized repair personnel for new switch 3. Connect hose properly 4. Fill the solution tank with water 5. Clean jets
Solution valve not working	1. Jets are clogged	1. Clean jets
Water or foam coming out from exhaust	1. Over foaming of water in recovery tank	1. Put defoamer in the recovery tank, or put it in the vacuum hose with vac motor running

**DO NOT ATTEMPT TO REPAIR THE MACHINES,
CONTACT AUTHORIZED REPAIR SHOP OR DEALER**
 Disconnect Power Cords from the outlet before doing any maintenance work

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owner's warranty information

Date of Purchase: _____
 Serial Number: _____
 Model Number: _____
 Purchased From[Dealer name]: _____
 Address: _____
 City, State, Zip: _____
 Telephone: _____

Keep for your own records

All equipment and accessories are thoroughly inspected and tested before leaving the factory. They are warranted to be free of defects from workmanship and material for one year from date of original purchase. (Proof of purchase is required)

LABOR = 90 days from initial purchases

PARTS = 1 year, excluding normal wear item's

THE FOLLOWING PROCEDURES MUST BE FOLLOWED TO OBTAIN PERFORMANCE OF WARRANTY:

IMPORTANT:

Should any trouble develop during this period, the owner must FIRST contact authorize dealer or distributor. TMI will provide with RETURN AUTHORIZATION NUMBER (RAN) to dealer or distributor. TMI WILL NOT ACCEPT products WITHOUT RAN NUMBER, and TMI WILL NOT OFFER WARRANTY WITHOUT RETURN AUTHORIZATION NUMBER (RAN).

You MUST return the item within 14 days, freight prepaid, to the factory after TMI has issued RETURN AUTHORIZATION NUMBER (RAN). If inspection shows the trouble to be caused by defective workmanship or material, the factory will repair (or at our option, replace) without charge. If it is determined to be a warrantable repair the freight back will be pre paid by the factory. NO CREDIT will be allowed for items returned as defective without the above mentioned (RAN) number and the DETERMINATION that it is DEFECTIVE.

Proof or purchase is necessary to establish the date of original sale. The proof of purchase should be the Registration & Receipt of "WARRANTY REGISTRATION CARD". It is extremely important to register your purchase by sending the card back within 10 days of purchase.

This warranty is in lieu of all other warranties expressed or implied and NO PERSON is AUTHORIZED TO GIVE ANY OTHER WARRANTY, ASSUME OBLIGATION OR LIABILITY ON THE FACTORY'S BEHALF.

THIS WARRANTY IS VOID WHEN:

- Repairs have been made or attempted by others
- Repairs are required because of normal or natural wear and tear
- Items have been abused, misused or improperly maintained
- Modifications or alterations have been made to the equipment

LIMITATION OF REMEDY:

In no event shall seller be liable for any incidental, consequential or special damages of any kind or nature whatsoever. Including but not limited to lost profits arising from or in anyway connected with this agreement or items sold hereunder, whether alleged to arise from breach of contract, express or implied warranty, or in tort, including without limitation, negligence, failure to warn or strict liability.

ENTIRE AGREEMENT / GOVERNING LAW:

This agreement and warranty shall be governed in all respects by the law of the State of California. No actions arising out of the items sold hereunder or this Agreement may be brought by either party more than two (2) years after the cause of action occurs. All mediation or litigation will take place in the County of Los Angeles in California.

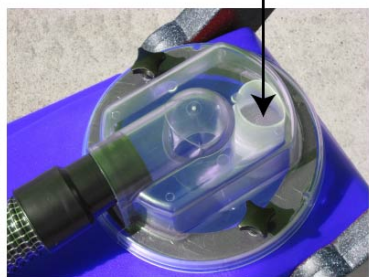
Electrical System		
Problem	Possible Cause	How to Repair
No electrical power	1. Check the outlet & the plug 2. Damaged cord 3. Circuit breaker off or fuse blown	1. Plug in properly 2. See authorized repair personnel 3. Flip circuit breaker on or replace fuse. Unplug other equipment using the same circuit. Make sure cords plugged into proper amp circuits.
Switch is turned on, power is intermittent to all motors	1. Faulty electrical cable 2. Defective switch 3. Loose terminal or corroded connector	1.to 3: See authorized repair personnel
Electric shock	1. Equipment not grounded	See authorized repair personnel
Pump System		
Problem	Possible Cause	How to Repair
Pump motor stopped	1. Pressure build - up 2. Thermal overload (overheated) 3. Damaged motor or rectifier 4. Pump switch defective 5. Loose wire connection 6. Pump pressure switch defective 7. Faulty motor	1. Release pressure by opening up (press) the lever on the wand 2. Turn off the pump and heater switch and wait 20 -30 minutes for the pump to cool down. 3. to 7: See authorized repair personnel
Loss of pump pressure with wand valve open and/or uneven or weak spray from the jet tips	1. Clogged or dirty spray- tip 2. Accumulated dirt in solution line 3. Dirty or clogged filters 4. Pump check valve worn or dirty 5. Malfunction in the wand valve 6. Hose quick connect bad or clogged with lint.	1. Clean jets and screens 2. Clean 3. Clean 4. to 6: See authorized repair personnel

caution 1 (filter)**Vacuum Motor Filter (MUST)**

Make sure vacuum motor filter install in recovery tank ALL TIME to protect from damaging motor



serious damage to vacuum motor
cause by not using vacuum filter
in the recovery tank



vacuum motor filters installed in
recovery tank to protect vacuum motor

**Pump Filter**

Make sure pump filter install in solution tank ALL TIME to protect from damaging pump



pump filter must install
and clean all time

WARRANTY REGISTRATION

PLEASE PRINT OR TYPE

PURCHASED FROM:

ADDRESS:

DATE PURCHASED:

PURCHASER'S NAME:

ADDRESS:

TEL: ()

MODEL NO:

SERIAL NO:

DEALER RECORDS

**AUTHORIZED TMI CENTER
WARRANTY REGISTRATION**

PLEASE PRINT OR TYPE

DEALER:

ADDRESS:

DATE SOLD:

PURCHASER'S NAME:

ADDRESS:

TEL: ()

MODEL NO:

SERIAL NO:

Signature:

Print Name:

**PLEASE SIGN AND MAIL TO TMI WITHIN 10 DAYS
FROM THE SALE DATE FOR VALID WARRANTY**

TMI
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accessories

Options / Accessories:

hose mender



hose mender with
two vacuum hoses



**adding extra length by using
hose mender for vacuum hose**



optional electric instant
water heater little volcano

**sample images shown Blitz
with optional little volcano
and optional wand**

12" 1 jet H.D. s.s. Wand

call for other type of attachment tools and accessories



A.L. hand tool



S.S. hand tool



low profile tool



crevice tool



3000 psi Auto-Seal™
stair tool

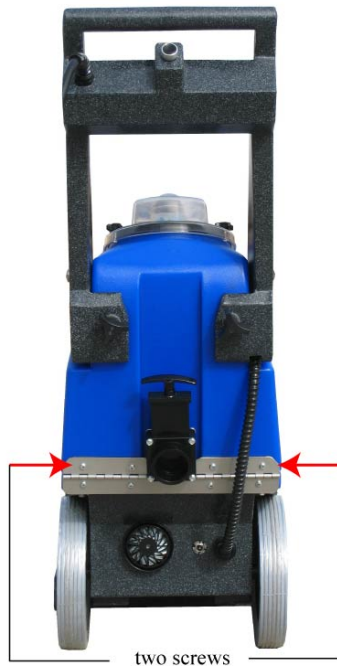


see through Auto-Seal™
double bend wand

OPEN HOUSING

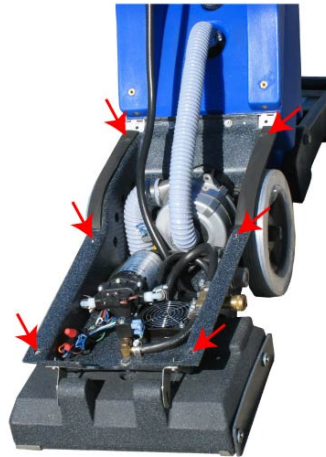
Step 1: un-screw outside two screws from top hinge (see image 1)

Step 2: un-screw left and right side six bolts from the bottom of the lower housing (see image 1 & 2)



two screws

image #1



three screws from each side of bottom housing

image #2

OPEN HEAD

Step 1: un-screw from left and right outside two boltss at head (see image 3)

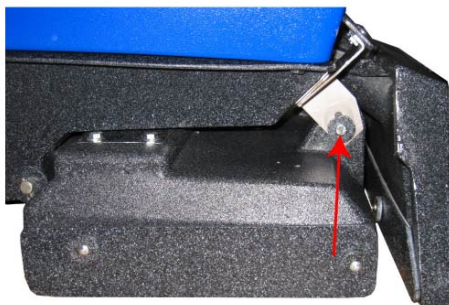


image #3



Read All Instructions Before Using This Machine

When using an electrical appliance, basic precautions should always be followed.

WARNING - To reduce the risk of fire, electric shock or injury:

1. Do not leave appliance plugged in. Unplug from outlet when not in use and before servicing.
2. **WARNING: ELECTRIC SHOCK COULD OCCUR IF USED OUTDOORS OR ON WET SURFACES.**
3. Do not allow to be used as a toy. Close attention is necessary when used by or near children.
4. Use only as described in this manual. Use only manufacturer's recommended parts.
5. Do not use with damaged cord or plug. If appliance is not working as it should, has been dropped, damaged, left outdoors or dropped into water, follow warranty instructions and contact an approved service center.
6. Do not pull or carry by cord, do not use cord as a handle, do not close a door on cord, or do not pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
7. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
8. Do not handle plug or appliance with wet hands.
9. Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair and anything that may reduce air flow.
10. Keep hair, loose clothing, fingers and all parts of body away from openings and moving parts.
11. Do not pick up anything that is burning or smoking, such as cigarettes, matches or hot ashes.
12. Do not use without filters in place.
13. Turn off all controls before unplugging.
14. Use extra care when cleaning on stairs.
15. Always wear safety equipment and appropriate clothing when operating extractor to protect from hot water.
16. Do not use to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.
17. Connect to a properly grounded outlet only.
18. Do not attempt to service the unit while appliance is plugged in.

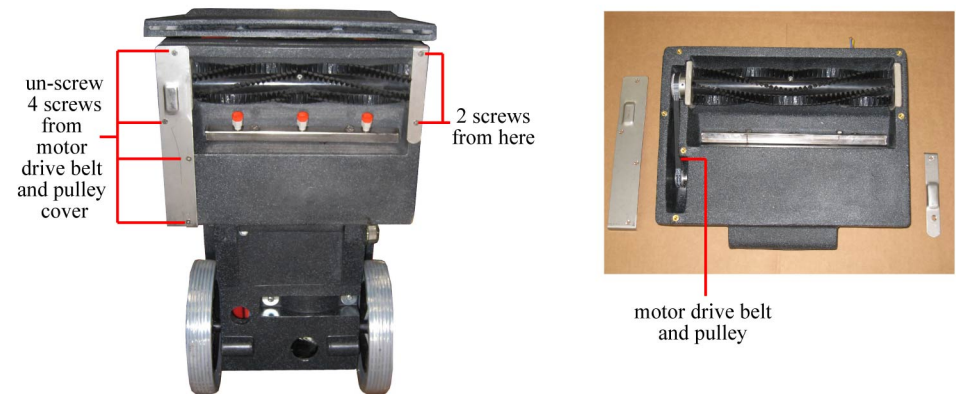
**STEP BY STEP**

(1-1/2' x 2 ft. vacuum hose comes with Hammerhead)

Step 1: disconnect recovery hose from top of extractor. (below image)

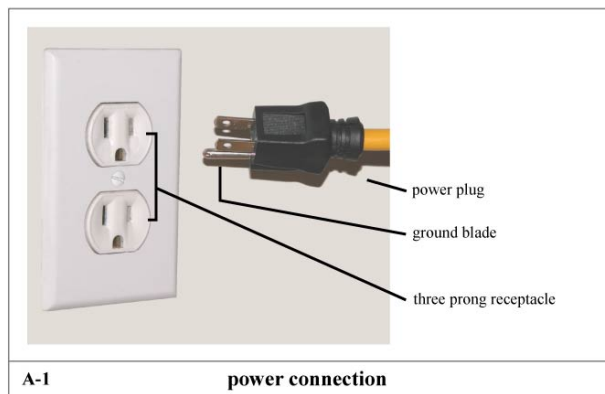
Step 2: connect the 1-1/2' vacuum hose to vacuum intake connection and insert the other end into solution tank. (see image)

Step 3: turn vacuum motor switches on and vacuum out all the excess water from solution tank.

**how to replace brush motor drive's belt**

Step 1: un-screws (4) from motor drive belt and pulley cover (see above images)

Step 2: un-screws (2) from bearing brush holder cover (see above images)



transportation position

tilt back on rear wheel for moving around the machine without cleaning.



operation position

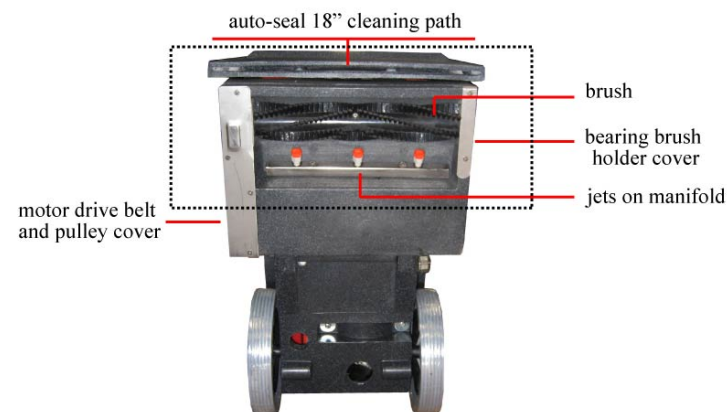
just guide desire area to clean by lowering power head (cleaning position) and walk backward.



1. **Using optional wand and hose** (without using power head): Connect vacuum hose to vacuum intake connection on the machine and the wand, solution hose to the solution connection on the machine. (see P.7 overview)
2. To protect the grounding plug; this plug is to be used only with proper grounding type (three prong) receptacle. Do not break off or pull out the grounding blade. (see A-1, P.11)

preventative maintenance

1. **Thoroughly clean all equipment and accessories after each use.**
 - a) Rinse solution and vacuum tank with clean water.
 - b) Flush entire solution system with clean water. Do not allow liquid with cleaning chemicals to remain in the equipment.
 - c) Clean all filters.
2. Must rinse or clean **power head and brush** to make sure free of debris each use. (see below image)
3. Do not run brush without spraying. Running brush without spraying solution can damage floor and unit.
4. Do not run brush for long time in one same place/position.
5. Occasionally, lubricate all quick connects.(min of every 3 months)
6. Do not use the same pail to fill the solution tank that is used to empty the waste tank.
This would result in putting dirt and debris into the solution lines that can block filters, orifices, and generally degrade solution line systems.
7. Keep equipment out of extreme temperatures. (i.e. Freezing temperatures will make water expand, and will damage pump, fittings, valves, etc.)
8. **Unplug from power source when the machine not in use.**
Walking away from the machine and not using it for a while may build up pressure in the machine. This can cause excessive pressure that is not good for the machine.
9. Check for loose or frayed wires.



- Read the manual carefully and completely before attempting to operate the unit. Make sure the unit is plugged into an electrical outlet with the same voltage as shown on the unit.

- This unit can operate two different way to do the job. Using with power head and without using power head. see page 10 images.

1. Pre vacuum the area to be cleaned with a dry vacuum cleaner or upright vacuum.
2. Recommended method of getting chemical to the floor is to **pre spray the cleaning area with recommended cleaning solution.**

This will give it dwell time to do it's job and result is a much cleaner floor. We do not recommend putting chemical in machine tank. Fill solution tank with clean water (use cool water for wool).

3. **With using power head:** Leave recovery hose connect with machine and turn power head switch on the switch plate. (see page 10 & page 11)
4. Make sure drain hose is connected and recovery tank lid are closed before turning on vacuum and pump switches. (If left open, there will be no suction)
5. This machine is design to clean without pushing hard, just guide desire area to clean by lowering power head (cleaning position) and walk back. (see page 11)
6. Tilt back on rear wheel for moving around the machine without cleaning. (see page 11)
7. **In case foam is detected in recovery tank and hose, use defoamer to prevent from damaging the vacuum motors.**
8. Continue cleaning until the clean water tank is empty and/or recovery tank is full (or until cleaning job is done). Turn off all the switches and disconnect power cord from power plug, then empty the recovery tank into bucket or other proper drain area.
9. To remove remaining water from clean water tank with 1-1/2' vac hose included. Vacuum out all the excess water. Drain and thoroughly clean the recovery tank. At this point the tank can be rinsed while dumping. (page 12)
10. The vacuum filter (wet filter) have to be rinsed and cleaned thoroughly when it's still wet. (see page 15) Wrap power cord around handle for storage. Do not use solution or recovery tanks for storage, machine can be damaged.
11. **Without using power head** (Wand and hoses are optional): Disconnect recovery hose from machine and connect wand with vacuum hose to vacuum intake connection on the machine and the solution hose to the solution connection on the machine. (see page 10)

Consult your sales representative for more information on cleaning methods

with using power head

image show demo extractor



without using power head (using optional auto-seal wand and hose)

connect vacuum hose to vacuum intake connection on the machine and the wand, solution hose to the solution connection on the machine

