



HAMMERHEAD
PATENTED PERFORMANCE, INC.



OPERATOR'S MANUAL

LIMITED WARRANTY

Your HAMMERHEAD, which has been manufactured, tested, and inspected in accordance with carefully specified engineering requirements, is warranted to be free from defects in material and workmanship.

DURATION OF WARRANTY AND TO WHOM EXTENDED (USA ONLY)

One year on UNIT HEAD AND CART FRAME. This limited warranty includes both parts and labor for the periods above stated. This warranty is not transferrable.

EXCEPTIONS AND EXCLUSIONS FROM WARRANTY

The HAMMERHEAD is required to be used on electric current as indicated on the nameplate. Otherwise damage, defects, malfunctions, or other failures of the HAMMERHEAD arising from use on electric current not as indicated are excluded from this warranty.

Defects, malfunctions, failure, or damage to the HAMMERHEAD unit caused by improper, unreasonable, negligent use or abuse, while in the possession of the consumer are likewise excluded from this warranty.

If repair is done to the HAMMERHEAD by anyone other than those designated as authorized to perform such work without having first obtained factory instructions, HAMMERHEAD PATENTED PERFORMANCE, INC. at its discretion, may determine that this warranty will not apply, and that reimbursement for such repair will not be made because of the failure to comply with such factory specified instructions.

PROCEDURE TO BE TAKEN TO OBTAIN PERFORMANCE OF WARRANTY REPAIR

To secure repair of the HAMMERHEAD or any warranted parts under this warranty, the following procedure should be used. After making prior arrangements with the facility involved, the inoperable HAMMERHEAD or warranted parts, together with proof of purchase, must be delivered, with shipping and delivery charges prepaid to the following:

HAMMERHEAD
Patented Performance, Inc.
1742 Costa Del Sol
Boca Raton, FL 33432
(561)451-1112

Upon compliance with the above procedure, defective warranted parts will be replaced at no charge and the item(s) sent back to you freight collect.

Parts not covered by this warranty will be replaced only with your approval of the charges.

If beyond the warranty period, repairs will be made only with your prior approval of the charges and the item(s) will be sent back to you freight collect.

The HAMMERHEAD serial number is necessary to expedite all repairs or replacements, warranted or otherwise.

REPLACEMENT

In the event of a malfunction, defect, or failure of your HAMMERHEAD, or any other warranted part to conform with this warranty, HAMMERHEAD PATENTED PERFORMANCE, INC., may at its sole discretion, replace the HAMMERHEAD or any warranted part with another new or factory rebuilt identical or reasonably equivalent unit or part in lieu of repairing the defect.

WARRANTY REGISTRATION CARD FOR YOUR HAMMERHEAD AND REQUESTS FOR INFORMATION

Please fill out your registration card accompanying your HAMMERHEAD, giving complete information as requested on the card, and return it to the factory.

Any information or questions you may have concerning your HAMMERHEAD or this warranty may be directed toward HAMMERHEAD PATENTED PERFORMANCE, INC. at the above-mentioned address.

No dealer, distributor, or other similar person has any authority to make any warranties or representations concerning HAMMERHEAD PATENTED PERFORMANCE, INC. products to extend the warranty beyond the express items contained within. Accordingly, HAMMERHEAD PATENTED PERFORMANCE, INC., assumes no responsibility for any such warranties or representations beyond the express items contained in this limited warranty. This limited warranty is valid and enforceable only in the United States of America on HAMMERHEADS owned and operated normally in the United States of America. This warranty gives you specific rights, and you may have other rights which vary from state to state.

MAIL TO:

FOLD, ENCLOSE IN ENVELOPE, AND

REGISTRATION CARD

HAMMERHEAD SERIAL # _____

REGISTRATION OF GUARANTEE

This registration must be mailed within 10 days of purchase to secure limited warranty.

NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

TELEPHONE: _____ DATE PURCHASED: _____

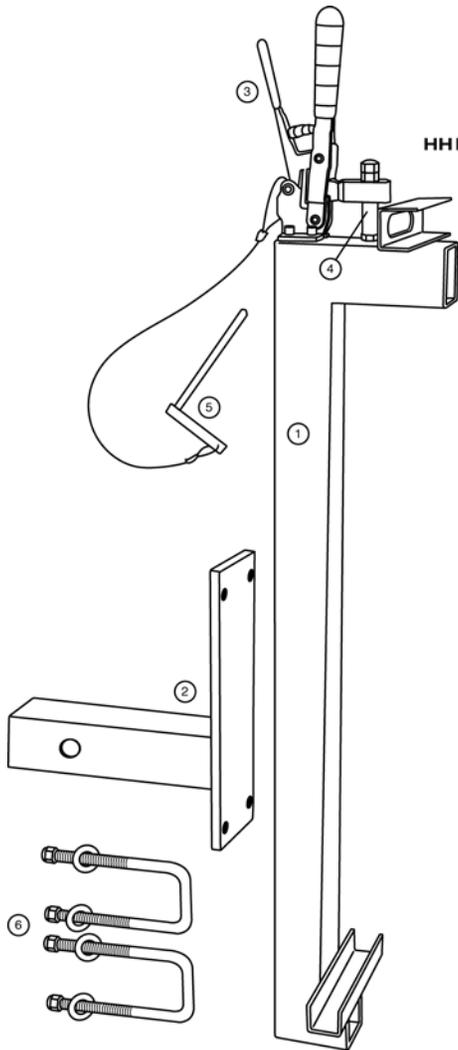
PURCHASED FROM: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____



MOUNT PARTS



HHI300 COMPLETE MOUNT ASSEMBLY
Includes mount, toggle clamp, L-Pin and cable, Reese hitch adapter and U-bolt hardware

- ① HHI1304 TRAILER MOUNT UPRIGHT
- ② HHI1301 REESE HITCH ADAPTER
- ③ HHI1165 TOGGLE CLAMP LATCH
- ④ HHI1195 BRONZE BUSHING (for toggle clamp)
- ⑤ HHI1175 SAFETY L-PIN
HHI1175G SAFETY L-PIN W/CABLE
- ⑥ HHI1210 U-BOLT
HHI1210A U-BOLT MOUNTING SET
Includes 2 U-Bolts, 4 washers, and 4 locknuts - Zinc plated

QUESTIONS ABOUT PARTS, REPAIRS,
OR CUSTOM ORDERS? CALL US!

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SAFETY PRECAUTIONS

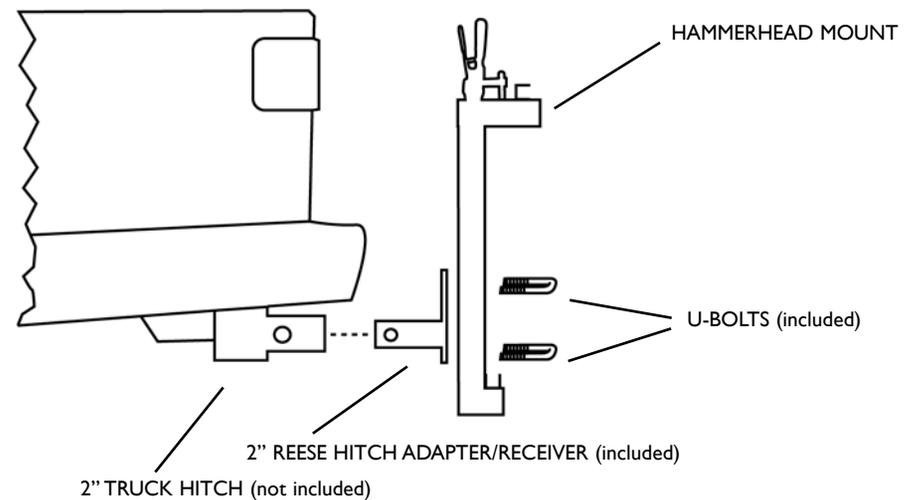
WE SUGGEST YOU MAKE THESE PROCEDURES PART OF YOUR **DAILY** OPERATING ROUTINE

- 1- If the propeller jams, quickly shut off the unit to avoid motor damage.
- 2- Do not run the motor unless it is fully submerged.
- 3- Never reach into either end of the head while the motor is running.
- 4- If you disconnect the battery terminals, make sure that you reconnect them properly, or the motor will run in reverse.
- 5- Make sure the cart is securely mounted to your vehicle before driving.
- 6- Always use the safety L-pin on the caddy mount.*
- 7- Make sure any loose items are stored securely.
- 8- Do not drive with chemicals in the cart tray.*

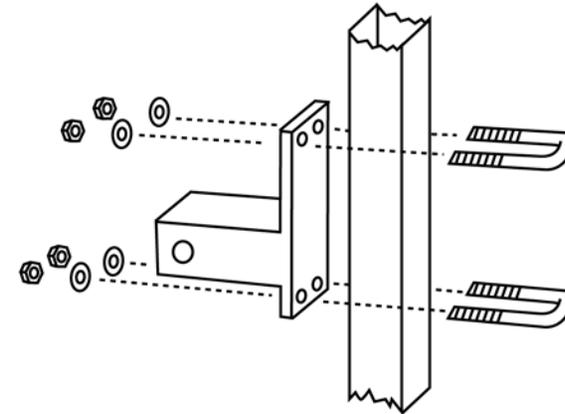
*Service unit only.

GOOD SAFETY PROCEDURES
SHOW GOOD COMMON SENSE.

TRAILER MOUNT USE



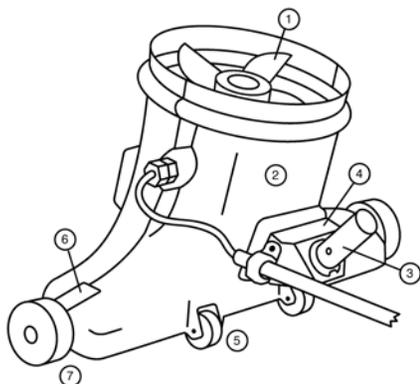
MOUNT ASSEMBLY DETAIL



YOUR TRUCK MUST HAVE A 2" HITCH TO USE THE INCLUDED RECEIVER. IF YOU HAVE A 2" HITCH, THEN FOLLOW THE MOUNTING DIAGRAM ABOVE. ADJUST THE HEIGHT OF YOUR HAMMERHEAD MOUNT AS IS APPROPRIATE.

FOR TRAILER MOUNTING, U-BOLT THE HAMMERHEAD MOUNT DIRECTLY TO THE TRAILER IN AN AREA THAT CAN SUPPORT THE WEIGHT SUFFICIENTLY. DO NOT USE THE INCLUDED 2" RECEIVER FOR TRAILER MOUNTING.

SERVICE UNIT PARTS (FORMERLY 9130 SERVICE UNIT)



HAMMERHEAD SERVICE-21 VACUUM HEAD (FORMERLY 9130 SERVICE UNIT)

- HH1305 40FT MOTOR/CORD (NO PROP)
- ① HH1000 4 BLADE PROP
- HH1010 PROP PIN
- HH1020 PROP NUT
- HH1025 MONOFILAMENT WASHER
- ② HH1030 21" SERVICE HEAD HALVES (EACH)
- ③ HH1225 SS SWIVEL HANDLE (no block)
- ④ HH1230 YOKE ASSEMBLY COMPLETE
- HH1115 YOKE MOUNT BLOCK (no handle)
- ⑤ HH1155 SMALL DRAG WHEELS
- HH1160 NYLON BUSHING (for small wheels)
- ⑥ HH1055 SS HEAD WHEEL SUPPORT STRIPS
- ⑦ HH1150 LARGE WHEELS
- HH1195 BRONZE BUSHING (for large wheels)

HH1310 21" SERVICE HEAD COMPLETE
Includes motor, prop, cord, 40FT of floating cord, 21" head, debris bag, and all hardware.

QUESTIONS ABOUT PARTS, REPAIRS,
OR CUSTOM ORDERS? CALL US!

HAMMERHEAD SERVICE-21 VACUUM UNIT (FORMERLY 9130 SERVICE UNIT) (MOUNT NOT SHOWN)

- ⑧ HH1275 HEAD BRACKET PAD
- ⑨ HH5057 SOAP BOTTLE
- HH1120 SOAP BOTTLE CAGE
- ⑩ HH1085 V-TRAY SET (FRONT AND BACK)
- ⑪ HH1060 ON/OFF SWITCH
- HH1080 FRAME PLUG SET (6)
- HH1125 24" BUNGEE CORD (TO SECURE HEAD)
- HH1130 18" BUNGEE CORD
- ⑫ HH5056 BATTERY BOX
- HH5055 ACCESSORY BOX - PLASTIC
- ⑬ HH5055B ACCESSORY BOX - ROTO
- HH1052 SS AXLE
- HH1052A WHEEL BEARINGS (EACH)
- ⑭ HH1050 20" WHEEL COMPLETE
- HH1050A REPLACEMENT 20" INNER TUBE
- HH1050B REPLACEMENT 20" GRAY TIRE
- ⑮ HH1251 SS AXLE SHAFT COLLAR
- ⑯ HH1075 CART LEG SKID (EACH)

HAMMERHEAD SERVICE-21 VACUUM UNIT (FORMERLY 9130 SERVICE UNIT)

Includes cart, 21" head, 40' cord, motor, prop, trailer mount with hardware, and debris bag. (does not include battery)

GENERAL OPERATING

- 1- Roll the cart up to the pool with the power switch towards the water and in the off position.
- 2- Unwrap the cord, slip pole onto the swivel yoke, and lower the vacuum head into the water.
- 3- Switch the vacuum on when the head is fully submerged. Avoid obstacles while vacuuming that could damage the unit. Large rocks, sticks, toys, or the power cord, are examples that can damage the propeller.

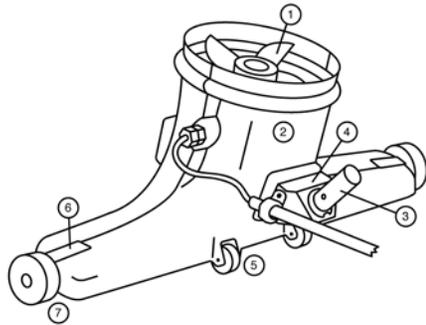
CAUTION: NEVER ALLOW THE CORD TO ENTER THE SUCTION AREA OF THE HEAD!

- 4- When vacuuming the pool is complete, lift the head out of the water upside down (wheels up), and switch off the unit as the debris bag comes out of the water. This will prevent debris from falling out of the bag and back into the pool. Place the head back into the cart with the safety strap before transporting the unit.
- 5- Wind up the cord and make sure the switch is in the off position. Make sure that the head is secured in the cart with the safety strap before transporting the unit.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	POSSIBLE
Vacuum motor does not run	Bad Switch Bad Battery (charge or replace)	By-pass the switch and wire the head directly to the battery - if it runs, then the problem is with the switch If it does not run, then there is a break in the wire or a motor short
Motor runs excessively hot	Water inside motor Gummed brushes Short in the windings	Contact service center
Loss of power	Battery	Battery water is low or battery is old - Service or replace battery.
Vacuum starts out strong but weakens during vacuuming	Battery	Battery water is low or battery is old - battery connections are corroded. Service or replace battery.
Sluggish motor performance	Bad wiring connections Battery	Check all electrical connections for heat. Heat indicates resistance and power loss, which shortens battery life

RESORT UNIT PARTS (FORMERLY 9120 COMMERCIAL UNIT)

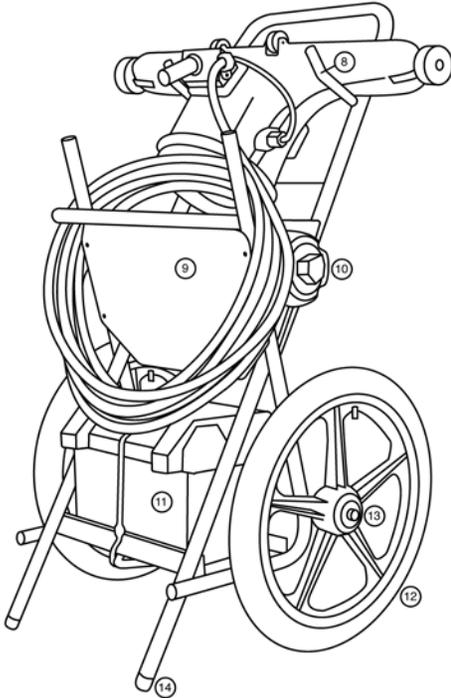


**HAMMERHEAD RESORT-30 30" HEAD
(FORMERLY 9120 COMMERCIAL UNIT)**

- HH1315 60FT MOTOR/CORD (NO PROP)
- ① HH1000 4 BLADE PROP
- HH1010 PROP PIN
- HH1020 PROP NUT
- HH1025 MONOFILAMENT WASHER
- ② HH1035 30" COMMERCIAL HEAD HALVES (EACH)
- ③ HH1225 SS SWIVEL HANDLE (no block)
- ④ HH1230 YOKE ASSEMBLY COMPLETE
- HH1115 YOKE MOUNT BLOCK (no handle)
- ⑤ HH1155 SMALL DRAG WHEELS w/hardware
- HH1160 NYLON BUSHING (for small wheels)
- ⑥ HH1055 SS HEAD WHEEL SUPPORT STRIPS
- ⑦ HH1150 LARGE WHEELS w/bushing
- HH1195 BRONZE BUSHING (for large wheels)

HH1320 RESORT-30 30" VACUUM HEAD
Includes motor, prop, cord, 60FT of floating cord, 30" head, debris bag, and all hardware.

QUESTIONS ABOUT PARTS, REPAIRS, OR CUSTOM ORDERS? CALL US!



**HAMMERHEAD RESORT-30 UNIT
(FORMERLY 9120 COMMERCIAL UNIT)**

- ⑧ HH1275 HEAD BRACKET PAD
- ⑨ HH1085 V-TRAY SET (FRONT AND BACK)
- ⑩ HH1060 ON/OFF SWITCH
- HH1080 FRAME PLUG SET (4)
- HH1125 24" BUNGEE CORD (TO SECURE HEAD)
- HH1130 18" BUNGEE CORD
- ⑪ HH5056 BATTERY BOX
- HH1052 SS AXLE
- HH1052A WHEEL BEARINGS (EACH)
- ⑫ HH1050 20" WHEEL COMPLETE
- HH1050A REPLACEMENT 20" INNER TUBE
- HH1050B REPLACEMENT 20" GRAY TIRE
- ⑬ HH1251 SS AXLE SHAFT COLLAR
- ⑭ HH1075 CART LEG SKID (EACH)

RESORT-30 UNIT COMPLETE
Includes cart, 30" head, 60' cord, motor, prop, and debris bag. (does not include battery)

PARTS LIST

PART # DESCRIPTION

COMPLETE UNITS

SERVICE-21 (FORMERLY 9130 SERVICE UNIT COMPLETE)

Includes cart, 21" head, 40' cord, motor, prop, debris bag, and trailer mount with hardware. (Does not include battery)

SERVICE-30 (FORMERLY 9150 HYBRID UNIT)

Includes cart, 30" head, 60' cord, motor, prop, debris bag, and trailer mount with hardware. (Does not include battery)

SERV-CART HH9130C SERVICE CART ONLY

Includes cart, and trailer mount with hardware. (Does not include head, or battery)

RESORT-30 (FORMERLY 9120 COMMERCIAL UNIT COMPLETE)

Includes cart, 30" head, 60' cord, motor, prop, and debris bag. (Does not include battery)

HEAD ASSEMBLIES

HH1310 21" VACUUM HEAD COMPLETE

Includes motor, prop, 40' cord, 21" head, debris bag, and all hardware.

HH1320 30" VACUUM HEAD COMPLETE

Includes motor, prop, 60' cord, 30" head, debris bag, and all hardware.

HH1311 21" VACUUM HEAD W/O MOTOR

Includes 21" head and all hardware. (Does not include motor and cord.)

HH1315 30" VACUUM HEAD W/O MOTOR

Includes 30" head and all hardware. (Does not include motor and cord.)

SPECIFICATIONS

VAC HEAD.....ABS plastic.....ABS plastic
 Width..... 21".....
30"
 Height.....12".....12"
 Depth.....14".....14"
 Weight.....10lbs.....11lbs

HEAD/CORD

Cord.....floating cable-40'..... floating cable-60'
 Weight.....17lbs.....22lbs

MOTOR

Type.....12 volt DC.....12 volt DC
 30# thrust 30# thrust

CADDY CART

Material.....Aluminum.....Aluminum
 Powder Coated Powder Coated
 Complete, includes

MAINTENANCE

WE SUGGEST YOU MAKE THESE MAINTENANCE PROCEDURES PART OF YOUR **WEEKLY** OPERATING ROUTINE

- 1- Remove propeller from motor and clean debris from the shaft.
- 2- Unwind any twists in the power cord (twisted cords can shorten the cord life). Straighten out any kinks.
- 3- Inspect the cord for cuts, nicks, and abrasions, and check head, hardware, axles, and motor for tightness.
- 4- Store debris bags empty and dry. Keep sufficient air in the cart tires.
- 5- Oil the toggle latch mechanism, and inspect all mounting fixtures for wear.*
*Service unit only.
- 6- Use a spray lubricant or grease on wheel bearings, the axle, and the axle shaft collars to prevent rust.
- 7- Rinse chemical residue from the accessory box, and from the cart frame.*
*Service unit only.

GOOD MAINTENANCE PROCEDURES
EXTEND THE LIFE OF THE PRODUCT.

REPAIR PROCEDURE

FOLLOW THIS PROCEDURE TO OBTAIN REPAIR FOR YOUR HAMMERHEAD UNIT

- 1- ing Make sure that you have gone through the troubleshooting guide in this manual or on the HammerHead web site at www.hammerheadvac.com.
If in doubt, call 1-866-887-7983 for assistance.
- 2- We highly recommend that due to shipping costs, you do not send carts or complete units back to HammerHead unless first arranging to do so with a representative from HammerHead.
- 3- Send only complete heads or motor assemblies for repair.
- 4- Under no circumstances should you disassemble a motor/cord assembly, remove the cord, or open the motor.
Doing so will void any existing warranty, and/or can make troubleshooting and repair more difficult.
- 5- All parts under limited warranty are confined to the specific limitations as stated.
- 6- HammerHead Patented Performance, Inc. accepts Visa and Mastercard for repairs only. Personal checks or company checks are only accepted by prior arrangement with a representative from HammerHead. All parts sales are subject to Florida sales tax.

W A R N I N G

HAMMERHEAD UNITS ARE SAFELY AND SUCCESSFULLY OPERATED WORLDWIDE, HOWEVER, PLEASE READ THIS SAFETY WARNING:

IMPROPER BATTERY USE OR FAILURE TO MAINTAIN YOUR 12 VOLT BATTERY, INCLUDING DAILY VISUAL INSPECTIONS, CAN RESULT IN SHORT CIRCUITS, DAMAGE DUE TO OVERHEATING, BATTERY FAILURE, AND POSSIBLE FIRE OR PERSONAL INJURY

•

THE OPERATOR ASSUMES ALL RESPONSIBILITY AND/OR RISK ASSOCIATED WITH BATTERY INSTALLATION AND USE, PROPER MAINTENANCE, AND OPERATION OF THIS UNIT

•

HAMMERHEAD DOES NOT WARRANTY BATTERIES OR DAMAGE RESULTING FROM BATTERY USE

•

USE OF ANY POWER SOURCE

OTHER THAN A 12 VOLT SERIES 27 DEEP-CYCLE MARINE BATTERY IS NOT RECOMMENDED AND VOIDS ALL WARRANTY OR LIABILITY CLAIMS