



**Service Center
Warranty Policy
Industrial Pressure Washers,
Parts and Accessories**

Hotsy Cleaning Systems

*NORTH AMERICA'S #1 NAME FOR HIGH-PRESSURE
CLEANING EQUIPMENT*

Rev. 9/19/14
9.801-679.0

Table of Contents

Introduction	3
Service Center Responsibility	3
What is a Limited Warranty?	3
Warranty Start Date	3
Warranty Compensation	3
Warranty Repairs/Part Returns	3
Labor Flat Rate Schedule.....	4
Travel Time	4
Returned Goods Policy	4
New Machine Returns	4
New Parts Returns	4
Damage or Loss in Transit	5
Hazardous Materials.....	5
Replacement Parts and Accessories	5
Limitation of Liability	5
HOTSYPUMP WARRANTY	6
WARRANTY CLAIMS PROCEDURE – Claim Form ...	7
Damage Codes.....	8
WHAT THIS WARRANTY COVERS:.....	9
What This Warranty Does Not Cover:	10
Labor Flat Rates – Increments in Hours.....	11
Contact Us:	14

Introduction

Hotsy pressure washers are warranted for a specific period and on the conditions set forth in the applicable warranty for each product, that the product is free from defects in materials and workmanship if used, maintained and managed in accordance with the instructions contained in the Operator's Manual provided with each product.

Service Center Responsibility

The authorized Service Center is expected to provide warranty services for the time period specified in the warranty, subject to the terms of warranty compensation discussed later in this manual. A Service Center should ask three basic questions when making a warranty determination:

1. Is it in the warranty time period?
2. Are there obvious signs of abuse?
3. Is it in accordance with our warranty procedures for reimbursement?

What is a Limited Warranty?

Warranty is a written guarantee by the manufacturer of a product, promising to repair or replace parts which have a defect in material or workmanship. "Limited" means that the Warranty is for a specified period of time, and has certain other restrictions.

Parts will be warranted for the time periods specified in the published warranty. Any exceptions must be approved by the manufacturer's Warranty Department. Warranty parts will be credited to the Service Center's account.

Warranty Start Date

The warranty coverage begins on the date of original purchase and applies to the original components only. Usually, the warranty period will be determined from the serial plate date code. If the machine's warranty time period falls outside of the serial date, proof of sale, such as a customer invoice, is required to receive warranty credit.

Warranty Compensation

To file a warranty claim for parts and/or labor, the Service Center must complete the Warranty Reimbursement Claim Form on the Hotsy dealer website, and return all defective components **freight prepaid**.

(For warranty claims arising from Service Center inspection prior to sale, enter "not sold" in the "Customer Name" field.)

Warranty claims not completed correctly will be rejected! All claims must be submitted within 45 days of the repair.

In most cases, the Warranty Department will process your claim or credit your account within three (3) working days from receipt of your claim. The status of your claim is accessible through the Hotsy dealer website.

All warranty claims will be paid in the form of credits against the Service Center's account. If the claim is denied, the Service Center will be notified and asked for their desired disposition of the parts. The Warranty Department will hold the parts for *no more than 30 working days*. (The warranty compensation program is subject to annual review as circumstances dictate, and could change at that time.)

Warranty Repairs/Part Returns

No major repair should be undertaken without warranty determination or the owner's approval in case a repair is not covered by warranty.

If requested by the Warranty Dept., parts must be returned to the factory for inspection (unless otherwise approved by the Warranty Dept.) before the Service Center's account will be credited for any warranty repair. However, heating coils do not need to be returned unless otherwise requested by the Warranty Manager. Freight credit will be issued by sending a copy of the replacement coil invoice along with the claim form.

Return freight from Service Center to the factory will be credited on approved claims using standard freight rates.

Freight for replacement parts from Hotsy to Service Center is not covered.



Labor Flat Rate Schedule

All claims will be calculated according to the published flat rate schedules. The flat rate labor allowance for warranty is the *maximum allowable time* for the completion of a specific operation as shown in the schedule provided. The time is listed in hours and tenths of hours. The table takes into account the time necessary to complete each operation. Each operation must be specifically listed in the labor section of the Warranty Reimbursement Claim Form. If the labor section is left blank, no labor will be credited. Hotsy will continually review labor times allowed based on Service Center input and experience.

See chart on pages 10-12 for labor flat rates.

Travel Time

One hour travel allowance is covered for each warranty claim on machines that are permanently installed. These machines are defined as machines that require natural gas, propane, venting or hardwired electricity.

Returned Goods Policy

A pressure washer should only be returned to Hotsy if it is recalled, if repairs exceed cost of machine or (after working with Product Technicians) it is determined machine is not repairable. A Service Center should have prior approval from the Warranty Manager before returning a machine. Machines approved for return for warranty claim or with freight damage should be shipped to the Camas, WA facility.

The Warranty Department will not send replacement machines or parts, but will issue credit to Service Center's account. Replacement machines or components must be ordered through customer service.

NOTE: After inspection, any missing parts, accessories, and/or damage from handling or Service Center personalized labels will be subtracted from the credit.



New Machine Returns

- A **Warranty Reimbursement Claim Form** must be filled out completely and accompany all returns.
- Machines for return must be an up-to-date model, factory new, with no blemishes or scratches — and in original carton or crate complete with all accessories and components.
- The only run time on the machine should be from the factory.
- Verbal approval from Warranty Manager before shipping is required, and the original invoice or sales order must be included in the return shipment.
- Machines returned for restock must be shipped pre-paid. Machines that were shipped in error by the factory can be shipped using Hotsy's shipping account number or "freight collect" if prior approval is provided.
- The Warranty Department will thoroughly inspect returned machines. For those machines meeting the above criteria returned for restock, a minimum 20% restock fee on the Service Center net price will be applied. Additional restock fees may be charged if all of the above criteria are not met.
- If the return is a result of Hotsy error, no restock fee will apply.
- No special order machines are allowed for return.

New Parts Returns

- Only stocked products as listed in the current catalogs are eligible for return. The catalogs are available on the website. *No special order or non-stock products or parts are eligible for return unless erroneously delivered by Hotsy.*
- Parts removed from new machines and accessories are not eligible for return. Only parts purchased separately and identified on an invoice are allowed.
- Authorization may be obtained by contacting Customer Service. The Warranty Department will issue a Return Material Authorization (RMA) and give instructions for product return.
- Aftermarket parts must be returned within 30 days from the date of receiving an (RMA).
- Returned merchandise must be in resalable condition and in the original factory packaging. Credit will not be issued for that portion of the merchandise that is not considered resalable.

- We reserve the right to inspect all returned merchandise and issue final determination as to its condition.
- Credit will be issued based on the invoice price minus a 20% restocking charge.
- There is no restock fee for parts shipped in error by the factory. Contact Customer Service to arrange for the appropriate method of returning merchandise. In most cases, these should be resolved within 30 days of shipment.

Damage or Loss in Transit

- Freight Damage: Please be sure to inspect the shipment very carefully before you sign for delivery.
- If you notice any signs of damage, note them in detail on the bill of lading and/or delivery receipt.
- Take a picture of the damaged product with packaging. Do not open the package before the carrier inspects the shipment.
- Contact the LTL Carrier immediately. **YOU MUST NOTIFY THE CARRIER WITHIN 10 DAYS AFTER DELIVERY, IN ORDER TO HOLD THEM LIABLE FOR ANY DAMAGE.**
- Freight on Board (FOB) destination implies terms of sale and title passes to the receiver at dock (or point of destination).
- If you do sign for and accept delivery of a damaged item, you take responsibility for any claims/reimbursements that may need to be placed with the freight carrier.

Hazardous Materials

- Hazardous materials must be packed, marked, labeled and shipped in accordance with Federal Hazardous Materials Regulations. Opened, leaking, or damaged containers should not be shipped or returned and cannot be received.
- Service Center will assume all responsibility for shipping hazardous products to Hotsy.

Replacement Parts and Accessories

Hotsy warrants to the original consumer that each new part and accessory sold by Hotsy will be free from manufacturing defects in materials or workmanship in normal service for the duration specified by the original component manufacturer with a 90 day minimum from date of purchase, provided it is installed properly and the equipment is maintained in accordance with Hotsy's instructions and manuals.

- Components manufactured by Hotsy, such as frames, handles, coil wraps, fuel tanks, belt guards and heating coils have a 2 year warranty from date of purchase.
- Our obligation under this warranty is expressly limited as to the replacement or repair, at our option, at Hotsy Cleaning Systems, Camas, Washington 98607, or at a service facility designated by us, for such part or parts as inspection shall disclose to have been defective.

Limitation of Liability

Hotsy's liability for special, incidental, or consequential damages is expressly disclaimed. In no event shall Hotsy's liability exceed the purchase price of the product in question. Hotsy makes every effort to ensure that all illustrations and specifications are correct, however, these do not imply a warranty that the product is merchantable or fit for a particular purpose, or that the product will actually conform to the illustrations and specifications. Our obligation under this warranty is expressly limited at our option to the replacement or repair at a service facility or factory designated by us, of such part or parts as inspection shall disclose to have been defective. **THE WARRANTY CONTAINED HEREIN IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY.** This warranty gives you specific legal rights and you may also have other rights which vary from state to state. Hotsy does not authorize any other party, including authorized Hotsy Distributors, to make any representation or promise on behalf of Hotsy, or to modify the terms, conditions, or limitations in any way. It is the buyer's responsibility to ensure that the installation and use of Hotsy products conforms to local codes. While Hotsy attempts to assure that its products meet national codes, it cannot be responsible for how the customer chooses to use or install the product. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

HOTSY PUMP WARRANTY

Unless otherwise specifically stated, Warranties are limited to the following:

Hotsy warrants each purchased pump, manufactured by Hotsy, to be free of defects in material or workmanship in normal service for a period of seven (7) years from the date of purchase, with the exception of DA pumps, warranted for one (1) year. Liability under this warranty is on all non-wear parts and limited to the repair or replacement of any pump returned to Hotsy which upon inspection, is judged to be defective due to workmanship or material failure. The sole and only warranty made by Hotsy is the limited warranty described above. Hotsy makes no other warranty or warranties of any kind, express or implied, including any implied warranty or merchantability or of fitness for a particular use or purpose. Products which are repaired or replaced by Hotsy or authorized service center under the provisions of these limited warranty terms will continue to be covered by Hotsy warranty only through the remainder of the original warranty period set forth by the original purchase date.

Hotsy will not be liable for damage or wear to pumps caused by abnormal operating conditions, accident, abuse, misuse and unauthorized alteration or repair.

Any pump replaced under the original equipment warranty will assume the time period of the warranty for that original equipment.

Hotsy disclaims and denies any liability for any direct, indirect, special, incidental or consequential damages which may be suffered as a result of sale, delivery, servicing, and use, loss of any product, downtime, labor, freight or other charges not expressly included herein. The only liability and the total liability of Hotsy under this limited warranty or in any claim regarding or involving Hotsy is expressly limited to the replacement of or purchase price of the pump and upon the expiration of the seven years, all such liability shall terminate.

EXCLUSIONS:

The following items are not warranted, due to matters beyond Hotsy's control. 1) Normal wear and tear to parts that are considered standard wear parts, such as; packings, check valves, plungers, oil seals, and O-rings; 2) Defects caused by the fault or negligence of the buyer or third party; 3) Use of unauthorized repair parts; 4) Modifications made by the customer; 5) Labor is covered for one (1) year from date of purchase on items not excluded from this warranty.

Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages and some jurisdictions do not allow limitations on how long implied warranties may last. Therefore, the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from jurisdiction to jurisdiction.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON FACE HEREOF. HOTSY CLEANING SYSTEMS SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS AS WELL AS LIABILITY FOR ANY AND ALL CONSEQUENTIAL DAMAGES. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS WHICH MAY VARY FROM STATE TO STATE.

WARRANTY CLAIMS PROCEDURE – Claim Form

Ensure your claim is approved in a timely manner by following this guideline:

- 1) Enter user name and password to open the Service Center website.
- 2) Click on Customer Service → then on IQR/Warranty Form.
- 3) Fill in your name and email at the top.
- 4) Select whether your claim involves an IQR and/or warranty:
 - a) **IQR:** to report general issues and/or spare part warranty (NOT for machine warranty)
 - b) **WARRANTY:** to file a claim for a machine
 - c) **BOTH:** If unsure if the claim is for spare parts or machine.
- 5) Under Machine Information, the serial # is usually 14-digits. (It is ok to use the last 6 digits)
 - a) In Sales Order# or Invoice# field, use the brand Sales Order# or brand Invoice# for the part that failed. This is a 10 digit # or a 9 digit # for Canadian Orders. Please do not use P.O. #'s
 - b) Use the calendar button to enter when the machine was sold to the end user, so we can determine if an invoice is required.
 - c) Repair Date: Remember, to ensure approval, you have 45 days after the repair to file a Warranty Claim.
- 6) Check the box under Service Center Information and complete the Service Center and Customer Information fields marked with the asterisk.
 - a) (For warranty claims arising from Service Center inspection prior to sale, enter “not sold” in the “Customer Name” field.)
- 7) Under Claim Details and Job Information, be as specific as possible. *If the Warranty Department is unable to judge whether the claim is valid, your claim may be delayed or denied.*
- 8) Under Warranty/IQR Information:
 - a) Part number is the 8-digit SAP number.
 - b) Choose the description of damage in the Defect Code from the pull down menu that best describes the causing fault.
 - c) The Description is the description of the **part**.
 - i) If the cost of the part does not automatically populate, enter the Dealer Cost.
 - d) Find the allowable labor hours from the flat rate guide. (see charts on pages 10-12)
 - i) **NOTE:** Travel, labor and diagnostics are not paid for spare part warranty.
 - (1) One hour travel time is allowed for stationary machines only
 - (2) Freight is ONLY paid if we ask for the part to be returned and a UPS Account # is not given.

(a) DO NOT send the part back collect.
- 9) After information is entered, click on the “Submit” button at the bottom of the form.
- 10) After receiving a response from the Warranty Department, proceed with their recommendation.
- 11) Print 2 copies of claim form and return one copy with parts and any pertinent paperwork for warranty consideration, if applicable. Keep the other copy for your records. When the claim form is printed, the damage code(s) as listed below will appear pertaining to the causing fault selected.
- 12) Call the Warranty Manager for authorization to return a machine.
- 13) **PRIOR to shipping machines or parts: Drain fuel. Replace pump shipping plug (red). All returned goods must be free of any hazardous and/ or flammable material. **If any such material is found upon receipt inspection, shipment will be rejected and sender will incur, and be responsible for, all additional freight charges, including cleanup and disposal.****
- 14) Ship items prepaid, unless other arrangements have been made with the Warranty Department. Send parcel to the attention of “Warranty Department”. Package parts carefully. **You will be responsible for parts damaged from insufficient packaging.**
- 15) When the warranty is processed, you will be able to view the status on the dealer website: customer service→Warranty Claims. Following inspection, credit is either issued or denied. You will receive a confirmation credit memo or notification of denial. If credit is denied, Service Center will be asked for the final disposition of the returned items.



Damage Codes

300	Broken, cracked, shearing, flaking, torn off/out.
310	Bent, deformed, twisted, crooked, crushed, squeezed.
320	Surface Flaws: Scores, abrasion, corrosion, damage coatings (e.g., rust, oxidation, paint)
330	Faulty or loose mechanical connection: (e.g. Loose mechanical threaded union/connection, soldering/welding fault.)
340	Faulty mechanical function of the part: (e.g. Firm fit, play, stiffness, imbalance, scraping, worn out, snap-on contact, locking display, no display.)
349	Leakage: Only use this code if no other damage code is suitable.
350	Faulty or loose electrical connection: (e.g. Loose electrical plug-in / screw-in/ clamped or soldered connection, wiring fault.)
360	Faulty electric function of the part: (e.g. Interrupted circuit, short circuit, contact fault, damaged commutation, loss of power, temperature fault, switching fault (too early/too late)
370	Faulty adjustment
380	Blockage/Soiling: (e.g. by deposits, residues, foreign bodies)
390	Part incomplete/ missing: (e.g. Bore/thread/screw/washer etc. missing accessories.)
399	Other faults: Only use if no other damage code is suitable.
999	Burnt/scorched damage: Use this code ONLY if there is visible damage.
200	Modification as per instruction: Must be used for instructed repairs, e.g., when rectifying series faults from a Service Bulletin.

WHAT THIS WARRANTY COVERS:

COMPONENT(S)	LENGTH OF WARRANTY
Wear items: Belts; check valves; chemical injectors; fuel filters; high pressure discharge hose; nozzles; O-rings; quick couplers, packings and seals on wet-end of pump; seals, lights, gaskets; trigger guns, wands; water strainers & filters	90-day, Manufacturing Defect
Burners fuel pumps, igniter, fuel solenoid coil, burner motor, gas valve	1 Year Parts 1 Year Labor
Chemical valves	1 Year Parts 1 Year Labor
Heating Coils	5 Year 1 Year Labor
Electrical components i.e., switches, GFCI, thermostats, transformers, flow & pressure switch	1 Year Parts 1 Year Labor
Fabricated items: <u>DA Series</u>,	3-year limited
Fabricated items: All others frames, handles, chassis, fuel tanks, float tanks, belt guards, etc.	7 Year Parts 1 Year Labor
Pump: crankshaft, manifold, crankcase, bearings, connecting rods	7 Year Parts 1 Year Labor
Pump, Axial: <u>DA Series</u> Pump, Booster: 12v	1 Year Parts 1 Year Labor
Pulleys	1 Year Parts 1 Year Labor
Unloaders	1 Year Parts 1 Year Labor
Travel compensation	1 hour for permanent installed machines (see page 4)
Labor rates (see charts on pages 10-12 for flat rate repair times)	Master Certified approved Service Center: \$70.00/hr All other Certified Service Centers: \$60.00/hr

All parts replaced under warranty will assume the original equipment warranty time period.

Electric Motor & Generators	1 Year Warranty from individual manufacturer of component
Gasoline/Diesel Engines	2 year or as otherwise stated by the engine manufacturer warranty policy

What This Warranty Does Not Cover:

- Abnormal wear-and-tear: Our warranty covers material & manufacturing defects only.
- Engines, generators and motors are all warranted by local service centers of the manufacturer of that component. (If you have any problems dealing with the manufacturer's service center on a warranty issue, Hotsy may be able to mediate if necessary.)
- Components or other devices not manufactured by Hotsy including, but not limited to, gasoline engines, electric motors, generators, pumps, etc.
- Defects caused by improper or negligent operation or installation, accident, abuse, misuse, neglect, unauthorized modifications, repair or maintenance of the product by persons other than authorized representatives of Hotsy, including, but not limited to, the failure of the Customer to comply with recommended product maintenance schedules.
- Defects caused by acts of nature and disaster including, but not limited to, floods, fires, wind, freezing*, earthquakes, tornadoes, hurricanes and lightning strikes.
- Defects caused by water sediments, rust corrosion, thermal expansion, scale deposits or a contaminated water supply.
- Defects caused by improper voltage, voltage spikes or power transients in the electrical supply.
- Defects caused by use of non-Hotsy approved parts and detergents
- Devices or accessories not distributed or approved by Hotsy.
- Any cost of labor arising from the removal and reinstallation of the alleged defective part by customer.

**Includes damage done to components that come in contact with water and freeze in a non-winterized machine*

Labor Flat Rates – Increments in Hours

HOT WATER MACHINES		Hot Water Direct Drive Electric Oil	Hot Water Direct Drive Electric NG/LP	Hot Water Belt Drive Electric Oil	Hot Water Belt Drive Electric NG/LP	Large Hot Water Belt Drive Oil	Large Hot Water Belt Drive NG/LP	Hot Water direct Drive Gas Engine	Hot Water Belt Drive Gas Engine
COMPONENTS:									
A	Pump, Water - Replace	0.75	1	1	1.5	1.5	1.5	1	1
	Seals, Pump - Replace (oil)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	Valve, Pump - Replace	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	Manifold, Pump - Replace	0.75	1	1	1	1	1	1	1
	Crankcase (Bearing, Rod, Guides)	1.5	2	1.75	2.25	2.5	2.5	1.75	1.75
	Plunger, Seals, Pump - Replace (water)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	Pump/Motor - Replace	1.5	1.5	1.5	2			1.5	1.5
B	Motor, Electric - Repair or Replace	0.75	1	1	1.25	1.5	1.5	1	1
	Engine, Gasoline - Repair or Replace	0.75	1	1	1.25	1.5	1.5	1	1
	Engine, Diesel - Repair or Replace	0.75	1	1	1.25	1.5	1.5	1	1
	Pulley, Motor/Engine	0.5	0.75	0.75	0.75	0.75	0.75	0.75	0.75
	Pulley, Pump	0.5	0.75	0.75	0.75	0.75	0.75	0.75	0.75
	Belts	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	Belt Guard - Replace	0.25	0.25	0.25	0.25	0.5	0.5	0.25	0.25
C	Coil, Heating / Insulation - Replace	1.25	1.5	1.5	2	2	2	1.5	1.5
	Coil, Heating / Insulation - Repair	1.25	1.5	1.5	2	2	2	1.5	1.5
	Chassis/Decals - Replace	1.5	2	2	4	4	4	2	2
	Chassis - Repair/Weld/ Paint	1	1	1	1.5	2	2	1	1
	Wheel - Replace	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	Handle - Replace	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	Cover / Panel - Replace	0.5	0.2	0.2	0.5	0.5	0.5	0.2	0.2
D	Valve, Unloader - Replace	0.5	0.75	1	0.75	1	1	1	1
	Valve, Unloader - Repair	0.5	0.75	1	0.75	1	1	1	1
	Valve, Detergent - Replace	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	Valve, Detergent - Repair	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	Valve, Relief - Replace	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	Trigger Gun - Replace	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	Trigger Gun - Repair	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	Wand - Repair or Replace	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	Nozzle, Water - Repair or Replace	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	Coupler Fitting - Replace	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	Float Tank - Replace	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	Float Valve/ Ball - Replace	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	Hose - Replace	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	Water Filter	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
E	Switch, Rocker / Toggle - Replace	0.5	0.25	0.5	0.5	0.5	0.5	0.25	0.25
	Switch, Breaker - Replace	0.25	0.25	0.25	0.5	0.5	0.5	0.25	0.25
	Switch, Contractor / Overload - Replace	0.5	0.5	0.5	0.75	1	1	0.5	0.5
	Pressure Switch - Replace	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	Pressure Switch - Repair	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	GFCI Switch - Replace	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	GFCI Cord - Replace	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	Thermostat - Replace	0.25	0.25	0.25	0.25	0.5	0.5	0.25	0.25
	Relay - Replace	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	Box, Switch - Replace	0.5	0.5	0.5	0.5	0.75	0.75	0.5	0.5
Light, Indicator - Replace	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	

HOT WATER MACHINES, CONTINUED		Hot Water Direct Drive Electric Oil	Hot Water Direct Drive Electric NG/LP	Hot Water Belt Drive Electric Oil	Hot Water Belt Drive Electric NG/LP	Large Hot Water Belt Drive Oil	Large Hot Water Belt Drive NG/LP	Hot Water direct Drive Gas Engine	Hot Water Belt Drive Gas Engine
	Transformer, Step Down- Replace	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	Bridge Rectifier - Replace	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	Terminal Block	0.5	0.5	0.5	0.5			0.5	0.5
	Fuse Block	0.75	0.75	0.75	0.75			0.75	0.75
F	Gas Valve - Replace/ Set Pressure	N/A	0.5	N/A	1	N/A	1.25	N/A	N/A
	Pilot - Replace/ Resize	N/A	0.25	N/A	0.25	N/A	0.25	N/A	N/A
	Thermocouple - Replace	N/A	0.25	N/A	0.25	N/A	0.5	N/A	N/A
	Gas, Regulator (LP Tank) - Replace	N/A	0.25	N/A	0.25	N/A	0.25	N/A	N/A
	Switch, Pilot Indicator - Replace	N/A	0.25	N/A	0.25	N/A	0.25	N/A	N/A
	Hose, LP - Replace	N/A	0.25	N/A	0.25	N/A	0.25	N/A	N/A
G	Fuel Pump - Replace	0.5	N/A	0.75	N/A	0.75	N/A	0.5	0.5
	Ignitor / Transformer - Replace	0.25	N/A	0.75	N/A	0.75	N/A	0.5	0.5
	Fuel Solenoid - Replace	0.25	N/A	0.5	N/A	0.5	N/A	0.5	0.5
	Nozzle, Fuel - Replace	0.5	N/A	0.75	N/A	0.75	N/A	0.5	0.5
	Filter, Fuel - Replace	0.25	N/A	0.75	N/A	0.75	N/A	0.5	0.5
	Motor / Fan, Burner - Replace	0.5	N/A	0.75	N/A	0.75	N/A	0.5	0.5
	Cap, Fuel Tank - Replace	0.25	N/A	0.25	N/A	0.25	N/A	0.25	0.25
	Fuel, Tank - Replace	0.5	N/A	0.5	N/A	0.5	N/A	0.5	0.5
	Heating Element	1	N/A	1.5	N/A	1.5	N/A	1.5	1.5
	Solenoid, Air	0.5	N/A	0.5	N/A	0.5	N/A	0.5	0.5
	Solenoid, Water	0.5	N/A	0.5	N/A	0.5	N/A	0.5	0.5
Valve, Pneumatic	0.5	N/A	0.5	N/A	0.5	N/A	0.5	0.5	

COLD WATER MACHINES		Direct Drive Electric Cold Water	Belt Drive Electric Cold water	Direct Drive Gas Engine Cold Water	Belt Drive Gas Engine Cold Water
A	Pump, Water - Replace	0.75	1	0.75	1
	Seals, Pump - Replace (oil)	0.5	0.5	0.5	0.5
	Valve, Pump - Replace	0.25	0.25	0.25	0.25
	Manifold, Pump - Replace	0.75	1	0.75	1
	Crankcase (Bearing, Rod, Guides)	1.5	1.75	1.5	1.75
	Plunger, Seals, Pump - Replace (water)	0.5	0.5	0.5	0.5
	Pump/Motor - Replace	1.5	1.5	1.5	1.5
B	Motor, Electric - Repair or Replace	0.75	1	0.75	1
	Engine, Gasoline - Repair or Replace	0.75	1	0.75	1
	Engine, Diesel - Repair or Replace	0.75	1	0.75	1
	Pulley, Motor/Engine	0.5	0.75	0.5	0.75
	Pulley, Pump	0.5	0.75	0.5	0.75
	Belts	0.5	0.5	0.5	0.5
	Belt Guard - Replace	0.25	0.25	0.25	0.25
C	Chassis/Decals - Replace	1	1.5	1	1.5
	Chassis - Repair/Weld/ Paint	1	1	1	1
	Wheel - Replace	0.25	0.25	0.25	0.25
	Handle - Replace	0.25	0.25	0.25	0.25
	Cover / Panel - Replace	0.25	0.5	0.25	0.5

COLD WATER MACHINES, CONTINUED		Direct Drive	Belt Drive Electric	Direct Drive	Belt Drive Gas
		Electric Cold Water	Cold water	Gas Engine Cold Water	Engine Cold Water
D	Valve, Unloader - Replace	0.5	0.75	0.5	0.75
	Valve, Unloader - Repair	0.5	0.75	0.5	0.75
	Valve, Detergent - Replace	0.25	0.25	0.25	0.25
	Valve, Detergent - Repair	0.25	0.25	0.25	0.25
	Valve, Relief - Replace	0.25	0.25	0.25	0.25
	Trigger Gun - Replace	0.25	0.25	0.25	0.25
	Trigger Gun - Repair	0.5	0.5	0.5	0.5
	Wand - Repair or Replace	0.25	0.25	0.25	0.25
	Nozzle, Water - Repair or Replace	0.25	0.25	0.25	0.25
	Coupler Fitting - Replace	0.25	0.25	0.25	0.25
	Float Tank - Replace	0.5	0.5	0.5	0.5
	Float Valve/ Ball - Replace	0.25	0.25	0.25	0.25
	Hose - Replace	0.25	0.25	0.25	0.25
	Water Filter	0.25	0.25	0.25	0.25
	E	Switch, Rocker / Toggle - Replace	0.25	0.25	0.25
Switch, Breaker - Replace		0.25	0.25	0.25	0.25
Switch, Contractor / Overload - Replace		0.5	0.5	0.5	0.5
Pressure Switch - Replace		0.25	0.25	0.25	0.25
Pressure Switch - Repair		0.25	0.25	0.25	0.25
GFCI Switch - Replace		0.5	0.5	0.5	0.5
GFCI Cord - Replace		0.5	0.5	0.5	0.5
Thermostat - Replace		0.25	0.25	0.25	0.25
Relay - Replace		0.25	0.25	0.25	0.25
Box, Switch - Replace		0.25	0.5	0.25	0.5
Light, Indicator - Replace		0.25	0.25	0.25	0.25
Transformer, Step Down- Replace		0.25	0.5	0.25	0.5
Bridge Rectifier - Replace		0.25	0.25	0.25	0.25
Terminal Block	0.25	0.5	0.25	0.5	
Fuse Block	0.25	0.75	0.25	0.75	
F	Gas Valve - Replace/ Set Pressure	N/A	N/A	N/A	N/A
	Pilot - Replace/ Resize	N/A	N/A	N/A	N/A
	Thermocouple - Replace	N/A	N/A	N/A	N/A
	Gas, Regulator (LP Tank) - Replace	N/A	N/A	N/A	N/A
	Switch, Pilot Indicator - Replace	N/A	N/A	N/A	N/A
	Hose, LP - Replace	N/A	N/A	N/A	N/A
G	Fuel Pump - Replace	N/A	N/A	N/A	N/A
	Ignitor / Transformer - Replace	N/A	N/A	N/A	N/A
	Fuel Solenoid - Replace	N/A	N/A	N/A	N/A
	Nozzle, Fuel - Replace	N/A	N/A	N/A	N/A
	Filter, Fuel - Replace	N/A	N/A	N/A	N/A
	Motor / Fan, Burner - Replace	N/A	N/A	N/A	N/A
	Cap, Fuel Tank - Replace	N/A	N/A	N/A	N/A
	Fuel, Tank - Replace	N/A	N/A	N/A	N/A
	Heating Element	N/A	N/A	N/A	N/A
	Solenoid, Air	N/A	N/A	N/A	N/A
	Solenoid, Water	N/A	N/A	N/A	N/A
	Valve, Pneumatic	N/A	N/A	N/A	N/A



Contact Us:

Hotsy:

4275 NW Pacific Rim Blvd.

Camas, WA 98607

www.hotsy.com

1-800-220-5409