U.S. PRODUCTS

QUALITY MADE IN THE USA

COBRA 8.0
220H 120V

INFORMATION
&
OPERATING
INSTRUCTIONS

READ AND UNDERSTAND THESE INSTRUCTIONS
BEFORE OPERATING THE MACHINE

Contents:

Machine Specifications	2	Care & Maintenance	4
Record Important Information	2	Views of Machine	5
Safety Information & Cautions	3	Set Up & Operating Instructions	6
Your New Machine	4	Warranty	7
System Features	4	Troubleshooting	8
Chemicals	4	Parts List	9
Tools & Accessories	4	Exploded View	10

Machine Specifications:

	COBRA 8.0 220H
Pump	220 PSI
Vacuum	Dual 3 Stage, 145” lift, 97 cfm
Heater	1750W
Solution Tank Capacity	8 Gal
Recovery Tank Capacity	8 Gal
Vacuum Shut-off	Ball Float
Dimensions	H: 27” W: 19” L: 32
Weight	70 lbs.
Warranty	2 year limited; Lifetime on body & heater

Machine and Purchase Specifications:

RECORD AND RETAIN THIS IMPORTANT INFORMATION

US Products COBRA 8.0
Serial Number:_____

Purchase Date: _____
Write the name and phone number of your distributor:
_____

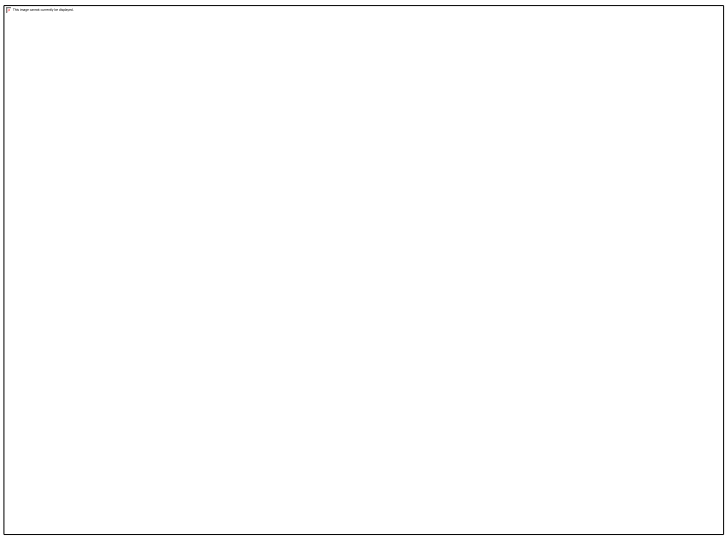
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And don’t forget to register your purchase to activate your warranty

CRITICAL SAFETY INFORMATION & CAUTIONS

The acceptable use of this machine is for commercial/professional cleaning, for example, in hotels, schools, hospitals, and offices, rather than for personal housekeeping.

NOTE: Read all instructions before using this machine. Improper use or misuse of the machine can result in personal injury or property damage.



To reduce the risk of personal injury or property damage, follow these procedures:

- Connect to a properly grounded outlet only.
- Do not operate the machine in an explosive environment.
- Do NOT use Solvents.
- Never add water over 120°F/ 49°C to the solution tank.
- Do not pick up anything that is burning or smoking, such as cigarette, matches or hot ashes, or any health endangering dusts. Do not use to pick up flammable or combustible liquids such as gasoline or use in areas where they may be present.
- To avoid electric shock, do not expose to rain or snow and keep from extremes in temperature. Store in a heated location. Use the machine indoors. Do not use outdoors.
- Do not use this machine to dry vacuum before wet cleaning.
- Do not use with damaged cord or plug. If the machine is not working as it should, has been dropped, damaged, left outdoors or flooded with water, return it to a service center.
- Do not leave the machine unattended when it is plugged in. Unplug the unit from the outlet when not in use and before servicing.
- Use only as described in this manual. Use only the manufacturers recommended attachments.
- Do not handle the plug, the cord, or the machine with wet hands.
- Extension cords must be 12/3 and no longer than 50 feet. Replace the cord or plug immediately if the ground prong becomes damaged.
- Do not put any object into opening. Do no use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce air flow.
- Keep loose clothing, hair, fingers and all parts of body away from openings and moving parts.
- Liquid ejected at the spray nozzle could be dangerous as a result of its temperature, pressure, or chemical content.

READ AND SAVE THESE INSTRUCTIONS

YOUR NEW MACHINE:

US Products thoroughly tests every machine it sells before it is packaged. When you receive your new machine, examine the packaging for signs of shipping damage. Carefully unpack the machine and inspect it. If you see evidence of damage to the container or the contents, contact the freight carrier immediately.

Additionally, ensure all parts and accessories are present; if you notice anything missing, contact your distributor without delay.

SYSTEM FEATURES:

HEAT: The COBRA 8.0 100H has a built-in heater for the solution. An ON/Off switch activates the heater. If you prefer to clean without the added effectiveness of heat, simply do not turn on the heat switch.

VACUUM: The dual vacuum motors provides an excellent ratio of water lift to air movement (see specs, page2).

PUMP: The pump is a 'demand' style – it only runs when there is demand for spray. This feature increases the life of the pump.

CHEMICALS:

The use of clear water in the machine is recommended, within the application of properly diluted cleaner as a pre-spray on the area to be cleaned; however, you may mix water and cleaning chemicals in a bucket -- according to directions on the chemical label -- and then pour into the solution tank. If you chose to use chemicals in the machine, always use a cleaner with a pH as close to neutral as possible to avoid premature wear of the pump, seals, and/or other components. Damage caused by the use of strong chemicals is not covered by the warranty.

The use of powder chemicals is discouraged; unless they are mixed very thoroughly and rinsed out completely at the end of the job, powdered cleaners could cause a build-up in the pump, lines, heater and/or quick disconnect. Any problem caused by a chemical build-up is not covered by warranty.

If foaming occurs as you clean, use a defoamer, either in the recovery tank or on the area being cleaned, to prevent overflow which can cause water damage to machine components.

TOOLS & ACCESSORIES:

Use only manufacturer's recommended tools and accessories. If the spray valve on your cleaning tool begins to leak or if the spray tips get worn and are no longer providing a nice even spray pattern, order replacements from your distributor.

CARE AND MAINTENANCE:

For continual peak operation, clean the internal plumbing by rinsing with clear water at the end of each job. About once a month, rinse the machine with a commercial flushing compound to break-up any mineral or chemical accumulation that may have formed from the use of hard water or chemicals.

The vacuum motor and the pump do not require any scheduled maintenance; however, the vacuum motor may require replacement brushes after 750-1000 hours.

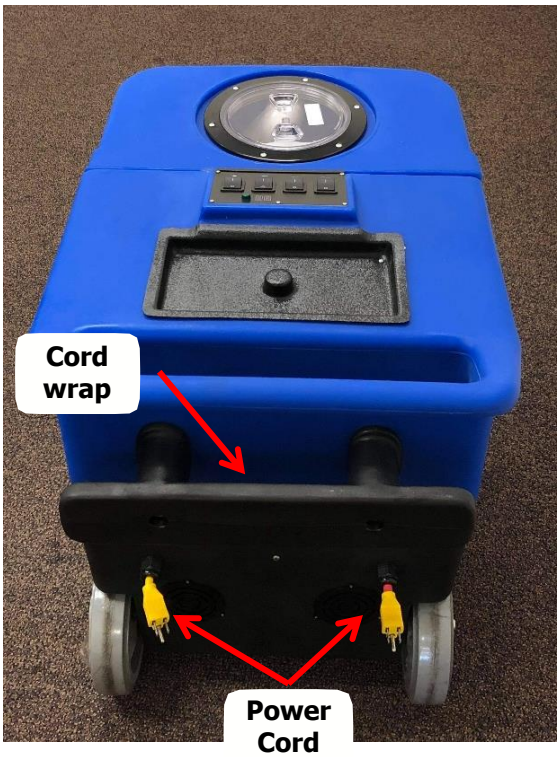
To help maintain a professional image; clean the exterior of the machine with an all purpose detergent, and protect it with automobile interior polish. Lubricate the wheels, castors, and quick disconnects with an all purpose, silicone spray.

VIEWS OF THE MACHINE:

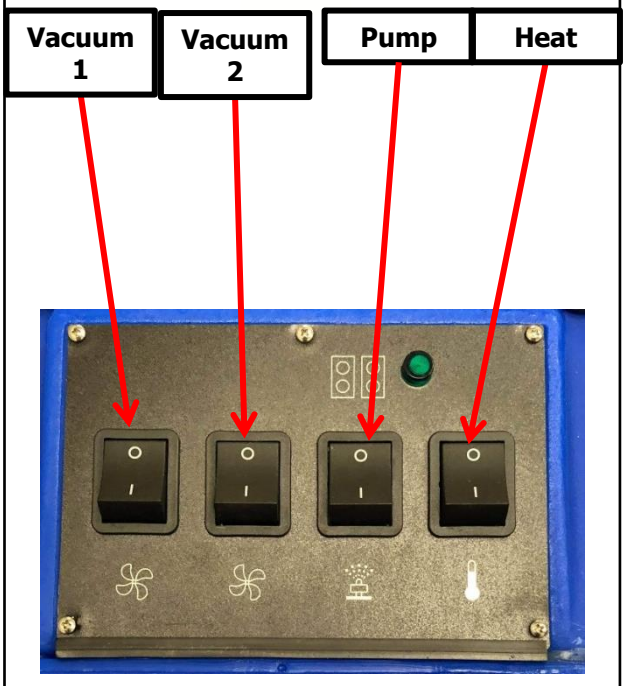
FRONT VIEW



REAR VIEW



SWITCH PLATE



TOP VIEW



SET-UP AND OPERATION:

1. Before each use, inspect the machine, hoses, and cleaning tool for cleanliness and completeness, Ensure the spray nozzles on the cleaning tool are tight and that the ball float in the recovery tank is clean and operational.

2. Close the clear, screw-on lid on the recovery tank, and screw the cap onto the drain hose.

3. Fill the holding tank with clear water.

NOTE: the heater on this machine is designed to provide nearly instant hot water for cleaning; if you use warm water in the solution tank it would increase heater proficiency. Never use water above 120°F or 49°C in the solution tank.

4. Turn off all the switches. Plug the power cord into a properly grounded outlet.

5. Connect the solution hose and the vacuum hose to the machine and to the cleaning tool.

6. Turn the pump ON and spray through the tool for a few seconds to fill the heater and lines with fluid.

7. Turn the heat switch ON and wait two minutes for the heater to reach operating temperature.

NOTE: The pump will run only while you are spraying.

8. Pre-spray the area to be cleaned with the detergent of your choice.

NOTE: If you choose to add a detergent to the solution tank, be sure to mix well, and always follow the use & dilution instructions on the chemical label. Use a chemical with a pH between 5 and 10 to reduce the likelihood of premature wear to the pump and other seals.

9. Turn on the vacuum.

10. Begin cleaning, following industry accepted practices.

NOTE: Use defoamer any time foaming occurs in the recovery tank to prevent damage to the motor or other components.

NOTE: Foam will not lift the ball float.

12. Monitor the water level in the solution tank. Do not let the pump run dry.

13. When the solution tank gets low, turn off the pump and vacuum, fill the solution tank, empty and clean the recovery tank.

14. When finished with the job, remove any unused solution from the solution tank, and run a few gallons of clean water through the system. Drain the recovery tank by opening the drain hose over a drain or a bucket. Release any residual pressure from the cleaning tool before disconnecting the hoses from the cleaning tool.

AUTO VACUUM SHUT OFF:

When the recovery tank is full, the ball float will shut off the suction to prevent the machine from overflowing. NOTE: The float may not work if there is too much foam in the tank. Always use defoamer to prevent overflow.

HEAT SYSTEM:

The heater holds a small amount of water, so to maintain hot water for the entire cleaning job, spray for short periods and then stop spraying during a recovery stroke. Continuous spraying will prevent the water from pausing long enough in the heater to get hot.

WARRANTY

This warranty covers the US Products COBRA 8.0100H against defects in material or workmanship. The warranty is not transferable and is extended to the original owner, only.
This warranty extends for the following time frames/components/labor, as stated:

- Lifetime from the date of purchase on the plastic housing;
- Two (2) years from the date of purchase on the parts and labor (items that wear with use, such as filters and seals, are expressly excluded from this warranty).

If a defect in material or workmanship occurs within the warranty period stated above, US Products will, at its discretion, repair or replace the defective component at no charge,
This warranty does not cover or apply to damage caused by direct or indirect misuse, abuse, disassembly, alteration, corrosive chemicals, extremes in temperatures, improper voltage, inadequate extension cords, fire, flood, negligence, accident, improperly or incorrectly performed maintenance or repair, failure to perform necessary or recommended maintenance or repair as stated in the owners manual or elsewhere, the use of incorrect filters or lack of filters, or if the use of this product is not in compliance with the instructions and specifications for use. Damage is not covered by the product warranty. This warranty does not cover filters. All implied warranties are limited to the warranty period stated above.
OTHER THAN THE WARRANTIES PROVIDED HEREIN, SMAK PRODUCTS MAKES NO EXPRESS OR IMPLIED ORAL OR WRITTEN WARRANTIES WITH RESPECT TO THIS PRODUCT OR THE WORKMANSHIP OF IT, AND ALL WARRANTIES IMPLIED BY LAW, INCLUDING ANY WARRANTIES OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.
SMAK PRODUCTS SHALL IN NO WAY BE LIABLE FOR INJURIES TO PROPERTY OR FOR INJURY OR DEATH TO PERSONS, OR FOR INCIDENTAL, CONTIGENT, SPECIAL OR CONSEQUENTIAL DAMAGE ARISING FROM USE OF OUR PRODUCTS. Some states do not allow the exclusion or limitations of incidental or consequential damages, so the above limitations or exclusions may not apply to you.
In order to be eligible for service under the warranty, you must do each of the following:

a) Return the warranty registration card (attached) within thirty (30) days of purchase;
b) Write or call for a Returned Material Authorization (RMA) number;
c) Have the serial number of the equipment and the original proof of purchase available.

Contact us at US Products, 360-882-0410

Upon receipt of the product, US Products will complete an inspection, without charge, and contact you within 72 business hours to relay the results of our inspection. If our inspection uncovers a defect, we will repair or replace the part, at our discretion. If the product fails because of defect or poor workmanship, US Products will pay for the cost of shipping the products to US Products and back to you. If, through our inspection, we determine that there is not defect in the product, or that the problem resulted from causes not within the scope of this warranty, the product will be repaired or replaced only at owner's request and expense. The owner will pay all shipping costs.

This warranty gives you specific legal right, and you may have additional rights that vary from state to state.

TROUBLESHOOTING

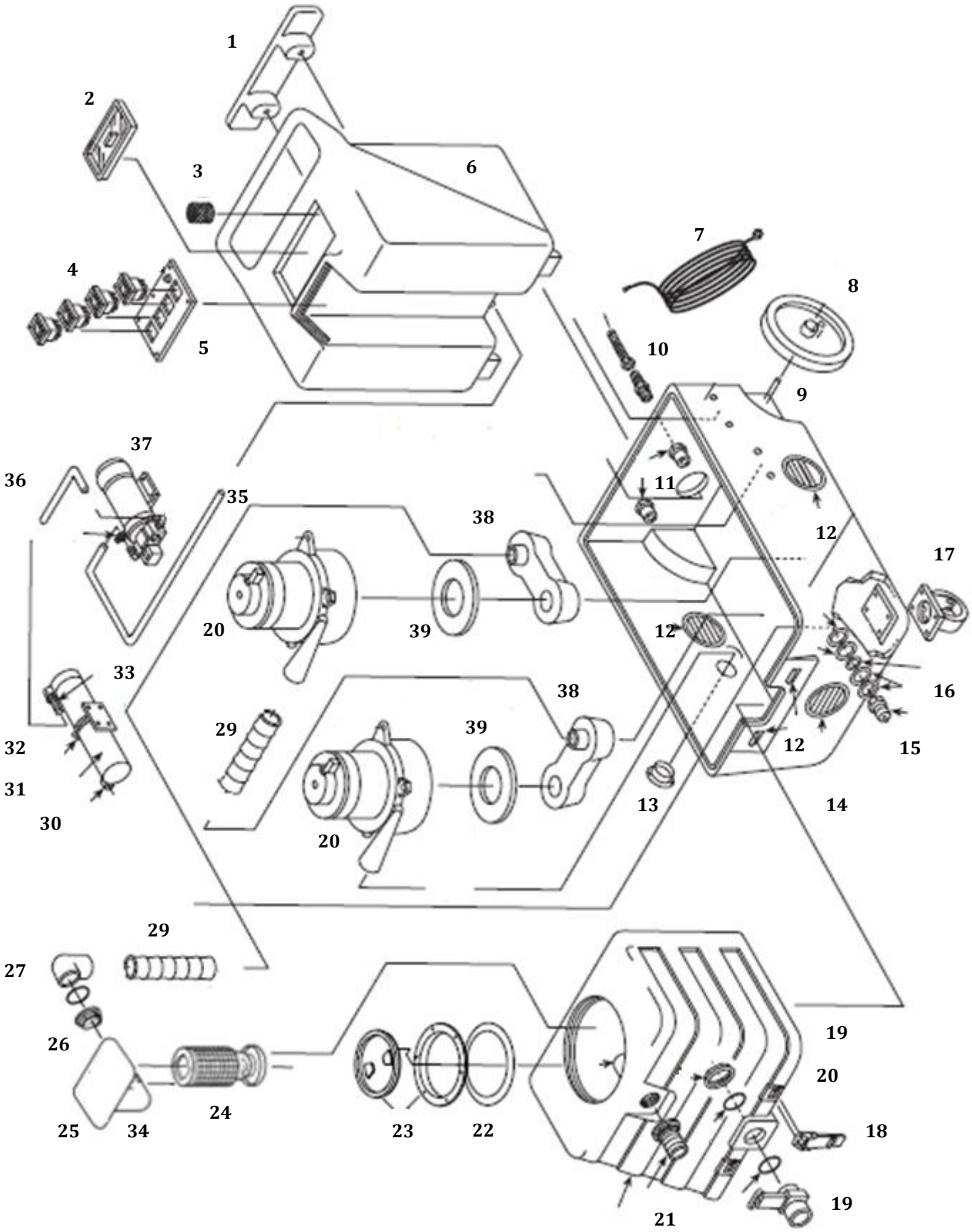


ALWAYS UNPLUG THE MACHINE BEFORE DISCONNECTING OR CONNECTING ANY WIRES OR COMPONENTS

SYMPTOM	POSSIBLE CAUSE
Low pressure	Plugged or dirty inlet filter; Pump is leaking Pump valve(s) damaged;
No spray	Solution tank is empty; Quick couplings on solution line are not completely connected to machine or tool; Spray tip(s) plugged; Pump motor is not running Plugged/dirty pump inlet filter; Plugged or damaged solution hose or quick disconnect
Pump not running	No power to pump -- no power to cord On/off switch is bad; Pump motor is getting power but won't run – check motor brushes;
Low suction	Recovery tank lid not sealed; Dirty vacuum inlet screen; Vac hose loose or cracked; Vacuum gasket is damaged or compressed
No suction	Recovery tank is full; Vacuum is not running – bad switch or bad vacuum
Low heat	Spraying too long;
No heat	No power to heating element – thermal fuse is blown; the bimetallic switch is not closing or heat on/off switch is bad;

Always use original equipment replacement parts.
Contact your distributor for additional information or to arrange for service.

US PRODUCTS
COBRA 8.0



Cobra 8.0
Part List

Item No.	Part No.	QTY	Description	Item No.	Part No.	QTY	Description
1	01-10694-001	1	Cord Wrap	27	41-00065	1	Elbow
2		1	Solution Tank Cover	28			
3	41-00069	1	Filter, Inlet	29	41-00530	1	Exhaust, Connection
4	40-00400	4	Switches	30	01-10693-001	1	Base
5	41-09545	1	Switch Plate	31	35-00186	1	Foam Coated Exhaust
6	01-10692-001	1	Solution Tank	32	53-00029	1	Heater Assembly
7	40-00007	2	Power Cord	33	35-00001	1	Heater, Mount
8	52-00015	2	Wheel	34	41-00205	1	ABS, 90 Degree Elbow
9	41-00060	1	Axle	35	41-00526	1	Red Hose, 48”
10	40-00016	2	Power Cord, Pigtails	36	41-00526	1	Red Hose, 19”
11	41-00016	2	Strain Reliefs	37	50-00001	1	Pump
12	39-00161	5	Vents	38	01-10697-001	2	Vac, Manifolds
13	39-00156	1	Exhaust Flange	39	41-01303	2	Vac, Gaskets
14	39-00003	2	Latch Strikes				
15	41-00007	1	Male QD				
16	90-00317, 90-00318, 90-00233	1, 2, 1	Washer Set: Brass, Fiber, Plated				
17	39-00184	2	Casters		41-00062	2	Chains For Covers
18	39-00004	2	Latches		22-00066	2	Cobra Labels
19	41-01812	1	Drain Gate		41-00521	1	Pressure Line
20	52-00000	2	Vac, Motors				
21	01-10691-001	1	Recovery tank				
22	41-00004	1	Access Cap, Gasket				
23	41-01329	1	Access Cap				
24	41-09507	1	Ball Float				
25	01-10699-001	1	Manifold				
26	41-00206	1	Adapter				