



**HAWK**  
ENTERPRISES

# HAWK Hot Shot Mini-Vactor

Carpet & Upholstery Extractor  
Portable Extraction Cleaning

Operation • Care • Service



**MADE IN  
THE USA**

HAWK ENTERPRISES

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# Operating Instructions for the Heated Mini Spotter

1. **Filling the Spotter with cleaning solution:**
  - a. Release the front and rear draw latch and lift off the upper recovery tank.
  - b. Add water and the chemicals to the lower solution tank.
  - c. Replace the upper (recovery) tank on top of the lower (solution) tank and latch both the front and rear latches.
  
2. **To operate the Spotter:**
  - a. Attach the solution hose feed line to the female quick disconnect on the front of the spotter.
  - b. Attach the vacuum hose to the vacuum inlet on the recovery tank at the top of the spotter.
  - c. The switch on the right when you are facing the rear of the Spotter has three (3) positions. When the switch is placed in the up position both the pump and the vacuum motor will run. When the switch is placed in the center position, the entire unit is turned off. When the switch is in the down position, only the pump will run. This switch position (down) is typically used for pre-spraying or spotting the carpet prior to vacuuming up the solution.
  - d. When you turn the pump on, (or the pump and vacuum on), it takes the pump a few seconds to prime and start spraying. You may have to hold the trigger on the hand tool or wand for a few seconds before it starts to spray out the solution.
  - e. **BEFORE YOU TURN YOUR HEATER ON**, make sure the pump has been turned on and primed. To prime the pump, fill the solution tank with solution and both solution hose and vacuum hose.
  - f. The switch on the left when you are facing the rear of the spotter is for the heater. This should only be turned on when you are using the unit, as it is an on demand type heater and heats the solution while it flows through the heater. It does not heat the solution in the tank.
  - g. Be sure you never let the pump and/or heater run when there is no solution in the tank. The pump will burn out and this is **NOT** covered under warranty.
  - h. Be sure to **NEVER** leave the heater on when you are **NOT** using the unit. The heater will eventually burn out and this is **NOT** covered under warranty. The heater is an on demand type heater which heats the water when the solution flows through it, so there is no reason to leave it on when it is not in use.
  
3. **Cleaning the unit and Storage:**
  - a. To empty the recovery tank, first remove the vacuum hose. The release both the front and rear latches and lift off the top recovery tank.
  - b. Pour out the dirty solution through the vacuum inlet. This is of course after you have removed the vacuum hose from the inlet and the recovery tank from the bottom solution tank.
  - c. When you are finished using the spotter, unscrew the clear plastic access cover on the recovery tank and flush out any residual dirt and allow it to dry out before

replacing the recovery tank on the unit and putting it in storage. Be sure to always store the unit and its accessories in a place where it is above freezing. If the unit and/or hand tool/wands freeze, this could cause damage to the pump, heater, and other internal components.

#### **4. Trouble Shooting**

- a. If the pump doesn't spray, make sure you have enough solution in the bottom tank to cover the small screen filter. This is the inlet where chemicals flow to the pump, so it must be submersed in solution. Also, make sure that the solution hose connector is pushed all the way into the female connector on the spotter and that the jet on the hand tool or wand is not plugged.**
- b. Place the switch in the "pump only" position and listen to see if you can hear the pump running.**
- c. Depress the trigger on the hand tool or wand so that the air can be released and the solution is allowed to flow.**
- d. If the vacuum recover tank is weak:**

**➔ Check to make sure the top of the tank is in the proper position and both draw latches are engaged**

**➔ Check to make sure the ball float shut off inside of the recovery tank is clean.**

**➔ Check for blockage in hose and hand tool inlet.**

**➔ Check the gasket on the vacuum motor and replace both gasket and screen if they appear to be worn or missing.**

- 5. Replacing the pump or vacuum motor, Simply remove the recovery tank, after you have made sure that it is no longer plugged into a wall socket. Tip the unit over and remove the six (6) screws that hold on the back cover. You can change out the vacuum motor by simply removing the two (2) screws holding it onto the motor plate. If you need to change the pump remove the two (2) screws holding the front plate in place, and loosen the clamp holding the hose onto the hose barb coming out of the tank. After you change out the pump and reconnect the hoses, set the front cover in place, (do not put in the front two (2) screws yet). Set the back cover in place and insert the 3/4" screw with the spacers between the two (2) screws first, and then put the four (4) screws in the back along with the two (2) screws in the front. Then tighten all eight (8) screws securely. If you start the two (2) screws underneath with the spacers first, the unit will go back together easily.**

| ITEM NO. | QTY. | UM     | PART NUMBER       | DESCRIPTION                              |
|----------|------|--------|-------------------|--|
| 1        | EA   | 2900   |                   | SOLUTION TANK                            |
| 2        | EA   | 50     | 50 PSI PUMP GROUP |  |
| 2.1      | EA   | 2902   |                   | FRONT PANEL                              |
| 2.2      | EA   | 2472   |                   | SET OF RUBBER PUMP BRACKETS              |
| 2.3      | EA   | 2470   |                   | ON/OFF SWITCH AND WIRE                   |
| 2.4      | EA   | 2460   |                   | 1/8" NPT X 1/4" RIGHT ANGLE HOSE BARB    |
| 2.5      | EA   | 2460   |                   | 1/8" NPT X 1/4" STRAIGHT HOSE BARB       |
| 2.6      | EA   | 1061   |                   | 3/8" WASHER                              |
| 2.7      | EA   | 1001A  |                   | RIVET - OPEN END                         |
| 2.8      | EA   | 1002   |                   | 3/16" WASHER FOR RIVET                   |
| 2.9      | EA   | 2915   |                   | #1/8 HOSE CLAMP                          |
| 2.10     | EA   | 2915   |                   | #1/8 HOSE CLAMP                          |
| 2.11     | EA   | 2905   |                   | 1/8" FEMALE COUPLER                      |
| 2.12     | EA   | 2905   |                   | 1/8" FEMALE COUPLER                      |
| 2.13     | EA   | 2929   |                   | 700 WALL HEATER                          |
| 2.14     | EA   | 1009   |                   | #10 NYLON NUT                            |
| 2.15     | EA   | 1017   |                   | 5/8 SS SCREW                             |
| 2.16     | EA   | 1017   |                   | 5/8 SS SCREW                             |
| 2.17     | EA   | 2925   |                   | 3/16" X 1/8" HOSE - HEATER               |
| 2.18     | EA   | 2925   |                   | 3/16" O.D. HOSE CLAMP                    |
| 3        | EA   | 2004   |                   | MOTOR PLATE                              |
| 3.1      | EA   | 2004   |                   | MOTOR PLATE                              |
| 3.2      | EA   | 2050   |                   | 85" WATER LIFT MOTOR                     |
| 3.3      | EA   | 1043A  |                   | MOTOR SCREEN                             |
| 3.4      | EA   | 2453   |                   | MOTOR GASKET W/PSA                       |
| 3.5      | EA   | 1012   |                   | #10 X 1/2 PHSMPTTYPE A                   |
| 3.6      | EA   | 1006   |                   | INNERMAN SPEED NUT                       |
| 4        | EA   | 2903-2 |                   | REAR PANEL                               |
| 4.1      | EA   | 2906   |                   | LATCH                                    |
| 4.2      | EA   | 1001   |                   | RIVET - OPEN END                         |
| 4.3      | EA   | 2920   |                   | 3 POSITION SWITCH                        |
| 4.4      | EA   | 2922   |                   | SWITCH BOOT                              |
| 4.5      | EA   | 2428   |                   | STRAIN RELIEF AND NUT                    |
| 4.6      | EA   | 1039   |                   | #10 X 1/2 SS WASHER                      |
| 4.7      | EA   | 1039   |                   | #10 X 1/2 SS WASHER                      |
| 4.8      | EA   | 1039   |                   | #10 X 1/2 SS WASHER                      |
| 4.9      | EA   | 1009   |                   | #10 NYLON NUT                            |
| 4.10     | EA   | 2035   |                   | WARNING DECAL                            |
| 4.11     | EA   | 2921   |                   | SWITCH DECAL (PUMP & MOTOR)              |
| 4.12     | EA   | 2444   |                   | NAMEPLATE                                |
| 4.13     | EA   | 2451   |                   | ORANGE WIRE NUT                          |
| 4.14     | EA   | 2029   |                   | TOGGLE SWITCH                            |
| 4.15     | EA   | 2107   |                   | TOGGLE SWITCH (HEATER)                   |
| 4.16     | EA   | 1019   |                   | 4" JUMPER W/ DOUBLE & FEM TERMINALS      |
| 4.17     | EA   | 1074   |                   | 1/8" NPT X 3/16" ST BRASS BARB           |
| 5        | EA   | 2927   |                   | SMALL SUCTION SCREEN                     |
| 6.1      | EA   | 2908   |                   | 1/8" NPT NIPPLE                          |
| 6.2      | EA   | 2916   |                   | 5/16" O.D. HOSE CLAMP                    |
| 7        | EA   | 2915A  |                   | 3/8" WASHER FOR RIVET                    |
| 8        | EA   | 1009   |                   | #10 NYLON NUT                            |
| 9        | EA   | 1021   |                   | 7 1/2" CABLE TIE                         |
| 10       | EA   | 1057   |                   | 15" BLACK LEAD W/ 2 FEM TERMINALS        |
| 11       | EA   | 1073A  |                   | LATCH                                    |
| 12       | EA   | 2906   |                   | GROUND LEAD                              |
| 13       | EA   | 1041   |                   | RIVET - CLOSED END                       |
| 14       | EA   | 1001   |                   | 3/16" X 1/8" HOSE                        |
| 15       | EA   | 1001   |                   | 3/16" X 1/8" HOSE                        |
| 16       | EA   | 2926   |                   | 14" GRND LEAD W/ #10 RING & FEM TERMINAL |
| 17       | EA   | 1041A  |                   | 10" WHITE LEAD W/ 1 FEM TERMINAL         |
| 18       | EA   | 1073A  |                   | 15" WHITE LEAD W/ 1 FEM TERMINAL         |
| 19       | EA   | 1072   |                   |  |
| 20       | EA   | 1072   |                   |  |
| 21       | EA   | 1072A  |                   |  |

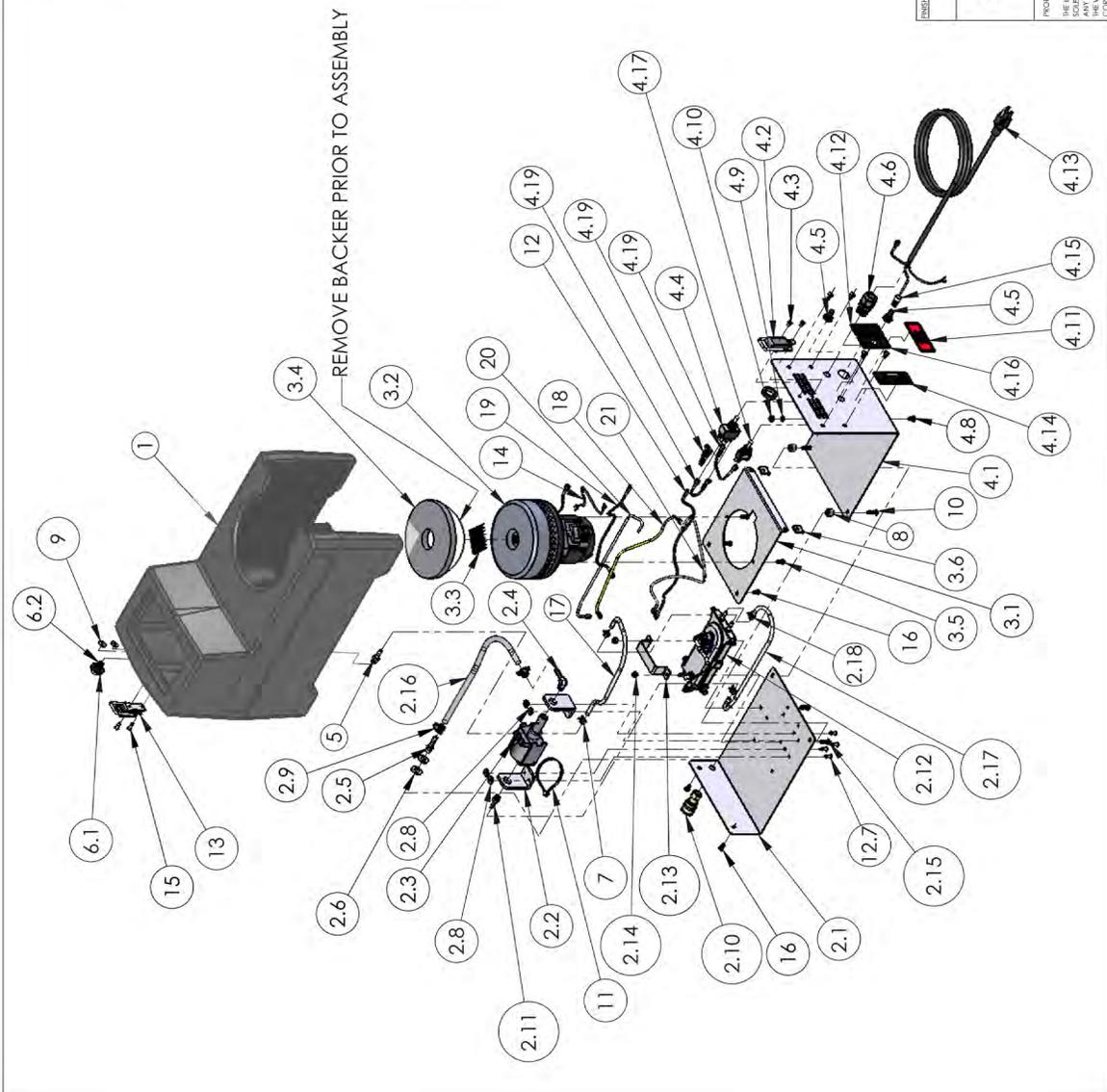
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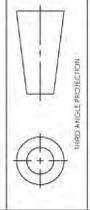
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| UNITS DIMENSIONS ARE SPECIFIED UNLESS OTHERWISE NOTED | ANGLE: 1/32   |
| JULIE JONES   | DATE: 2/16/07 |
| DESIGNED BY   | DRAWN BY      |
| CHECKED BY  | APPROVED BY   |

|                      |                                |
|----------------------|--------------------------------|
| NAME                 |                                |
| SIZE                 | B                              |
| SCALE                | 1:8                            |
| TITLE                | SOLUTION TANK ASSEMBLY, HEATED |
| REV                  | -                              |
| DO NOT SCALE DRAWING | SHEET 2 OF 2                   |

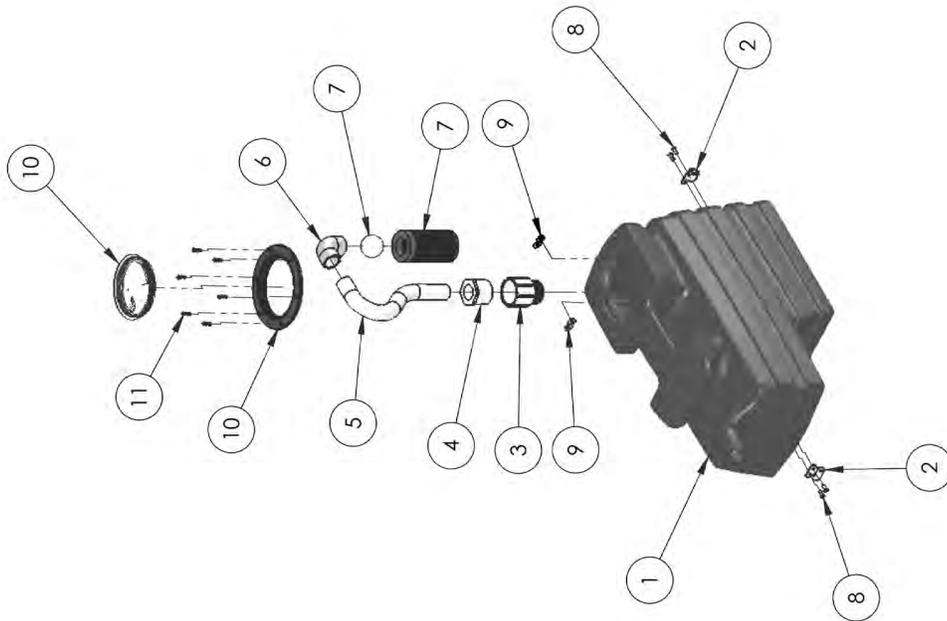


THIRD ANGLE PROJECTION



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| ITEM NO. | QTY. | UM | PART NUMBER | DESCRIPTION                 |
|----------|------|----|-------------|-----------------------------|
| 1        | 1    | EA | 2901        | RECOVERY TANK               |
| 2        | 2    | EA | 2907        | STRIKE FOR THE LATCH        |
| 3        | 1    | EA | 2912        | 1 1/4" MPT FITTING          |
| 4        | 1    | EA | 2913        | 1 1/4" TO 3/4" REDUCER      |
| 5        | 1    | EA | 2911        | 3/4" STAND PIPE             |
| 6        | 1    | EA | 2914        | 3/4" RIGHT ANGLE ELBOW      |
| 7        | 1    | EA | 2909        | BALL FLOAT SHUTOFF          |
| 8        | 4    | EA | 1001        | RIVET - CLOSED END          |
| 9        | 4    | EA | 1002        | 3/16" WASHER FOR RIVET      |
| 10       | 1    | EA | 2910        | PORT HOLE COVER ASSY        |
| 11       | 6    | EA | 1070        | #8 X 3/4" COUNTERSINK SCREW |



MATERIAL: \_\_\_\_\_  
 FINISH: \_\_\_\_\_

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:  
 FRACTION - 1/32  
 ANGLES - 1°  
 HOLE DIMENSIONS - ±.005  
 ALL DIMENSIONS IN INCHES  
 UNLESS NOTED.

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|------|------|----|----------|
|      |      |    |          |

TITLE: RECOVERY TANK ASSEMBLY

|            |                              |              |
|------------|------------------------------|--------------|
| SIZE: B    | NAME: RECOVERY TANK ASSEMBLY | REV: -       |
| SCALE: 1:4 | DO NOT SCALE DRAWING         | SHEET 2 OF 2 |

| ITEM NO. | PART NUMBER | DESCRIPTION                          | QTY. |
|----------|-------------|--------------------------------------|------|
| 1        | 4054        | 8' VACUUM HOSE WITH CUFFS            | 1    |
| 1.2      | 4056A       | HOSE CUFF, 1-1/2" TO 1"              | 1    |
| 1.3      | 4057A       | HOSE CUFF, 1-1/4" TO 1"              | 1    |
| 2        | 3059        | HAND TOOL ASSEMBLY                   | 1    |
| 2.2      | 2474        | HAND TOOL "A" VALVE                  | 1    |
| 2.3      | 2463        | 8002 SPRAY JET WITH O-RING           | 1    |
| 2.4      | 2474A       | HAND TOOL VALVE HANDLE               | 1    |
| 2.5      | 2485        | SPRAY JET RETAINER PLATE WITH SCREWS | 1    |
| 3        | 4055        | 1/4" X 8' SOLUTION HOSE              | 1    |
| 3.3      | 2468        | 1/8" MALE COUPLER                    | 1    |
| 4        | 1057        | 7 1/2' CABLE TIE                     | 4    |



| MATERIAL   | REV    | DATE  | BY  | REVISION |
|--|--------|-------|-----|----------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE:<br>ANGLE 1:1/2<br>X:1.0Z<br>X:1.0A<br>X:1.0B<br>X:1.0C<br>X:1.0D<br>X:1.0E<br>X:1.0F<br>X:1.0G<br>X:1.0H<br>X:1.0I<br>X:1.0J<br>X:1.0K<br>X:1.0L<br>X:1.0M<br>X:1.0N<br>X:1.0O<br>X:1.0P<br>X:1.0Q<br>X:1.0R<br>X:1.0S<br>X:1.0T<br>X:1.0U<br>X:1.0V<br>X:1.0W<br>X:1.0X<br>X:1.0Y<br>X:1.0Z<br>ALL DIMENSIONS IN INCHES<br>UNLESS NOTED  |        |       |     |          |
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| NAME   | DATE   | SCALE | REV |          |
| 3050   | 3/1/98 | 1:4   | B   | 01       |
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| SHEET 1 OF 1   |        |       |     |          |