This Manual Must Be Read Before Operating The Equipment

Owner / Operator's Manual

SNOWEX®

Accu-Spray Liquid De-Icing & Pre-Wetting Systems

FOR MODELS

PWS-100

PWS-175

PWS-225

TRYNEX® INTERNATIONAL

Warren, Michigan 48089

800-725-8377

CUSTOMER COPY

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Have a question or need assistance?

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Introduction

Thank you for your purchase of the new SnowEx Accu-Spray Liquid De-Icing & Pre-Wetting System. Welcome to the SnowEx family of products.

You have purchased an innovative liquid system that lets you apply ice control solutions directly to the spreading material or directly to the pavement with a choice of three patterns. The choice is yours!

As with all SnowEx products, read your Owner's Manual carefully. Maintained properly, your system will give you trouble-free service. SnowEx products are the best built de-icing products in North America.

Sincerely,
The SnowEx Team

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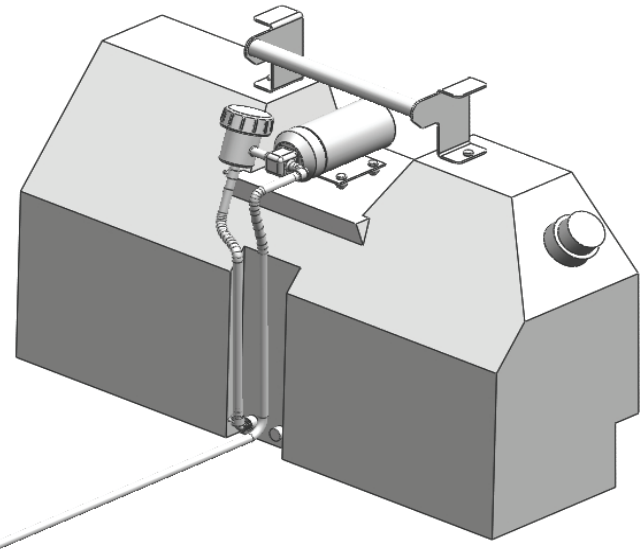
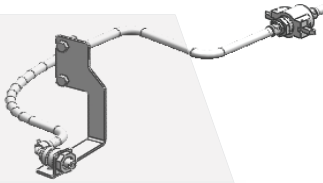
Main Assembly Views

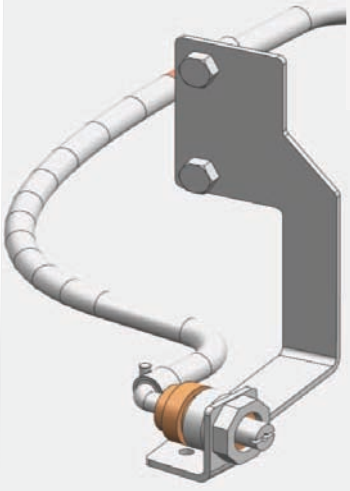
Model # PWS-100

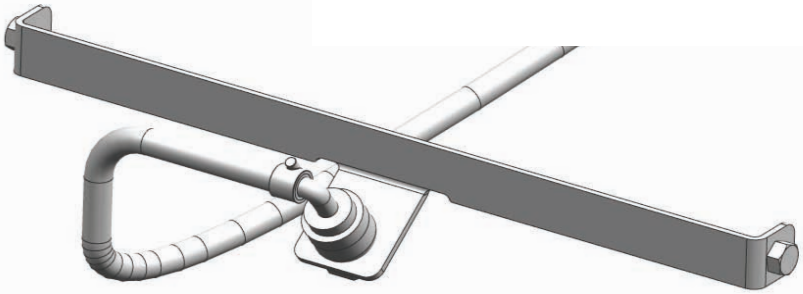
For SP-1875 & V-Pro Series





SP-1875 Configuration





V-PRO Configuration

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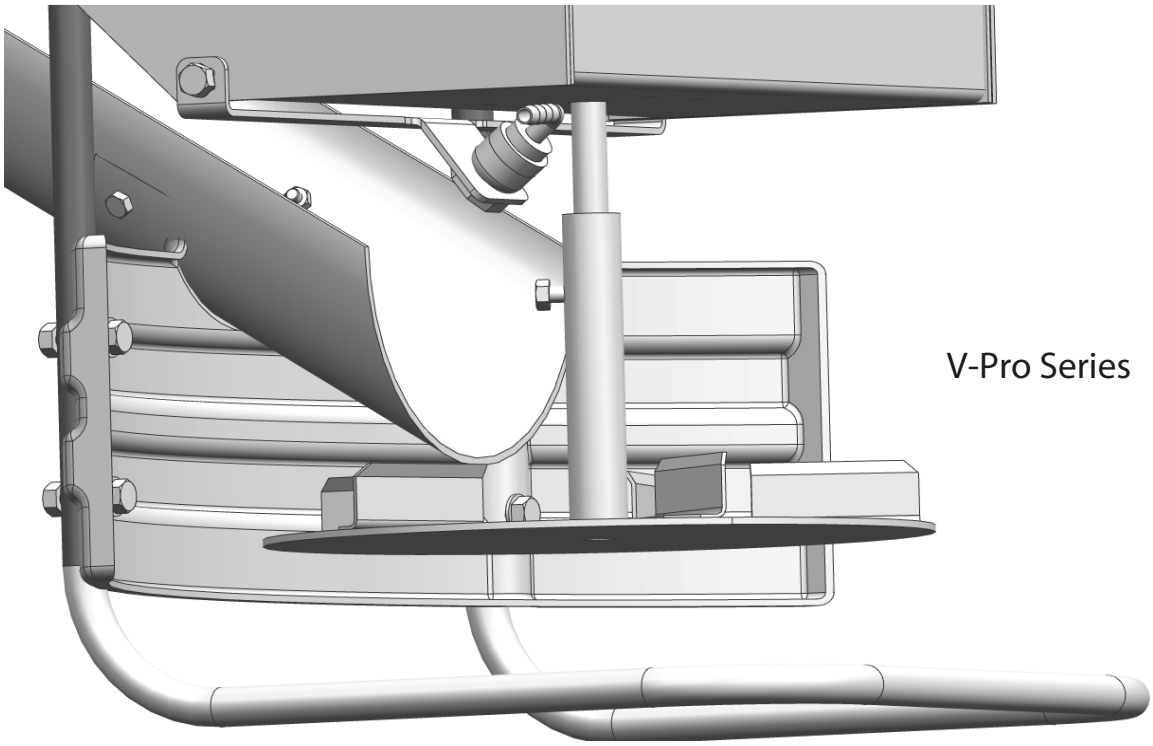
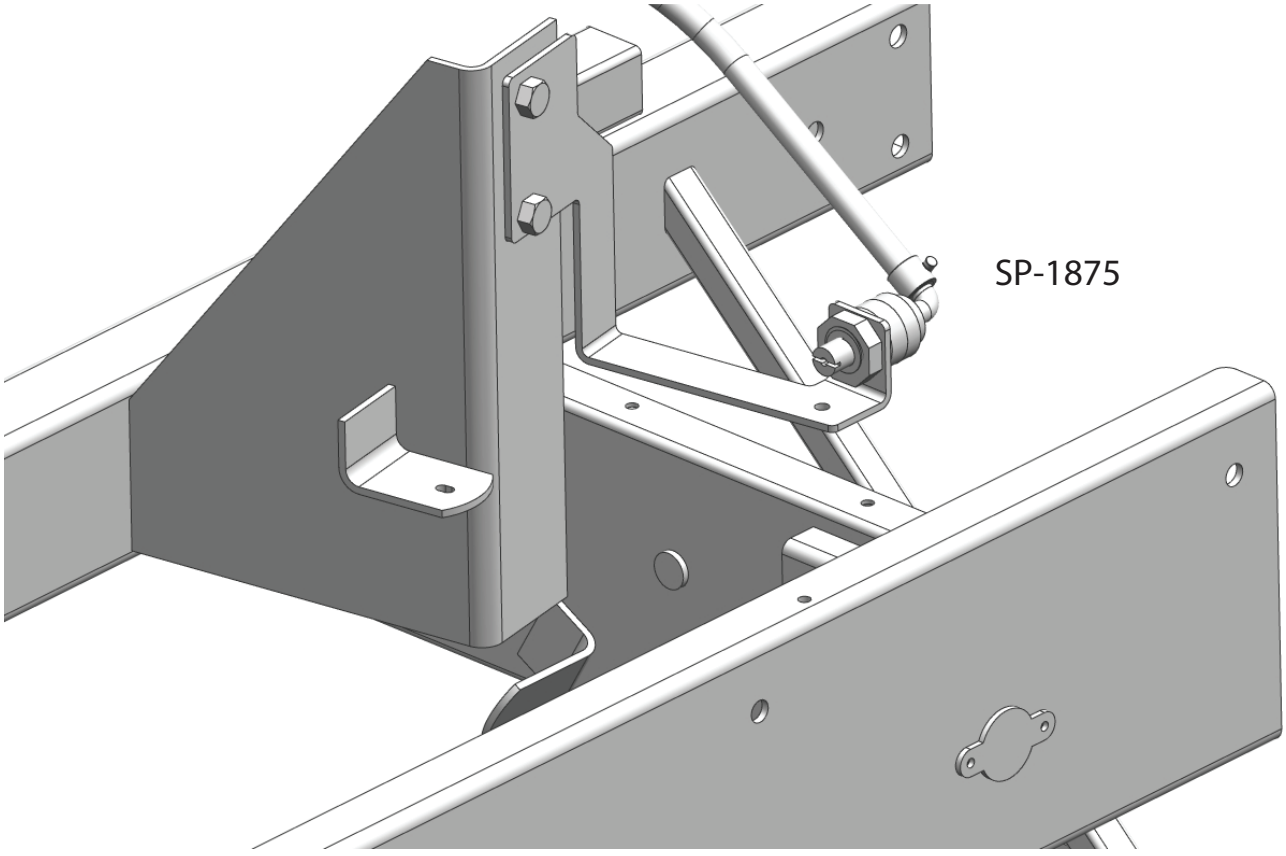
Nozzle Mounting Brackets Views

Model # PWS-100

For SP-1875 & V-Pro Series



V-Pro Series



SP-1875

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REFER TO PAGE AS-7 FOR DIAGRAM.

Step 1: Mount pump to tank using flangebolts 5. Pump output needs to be on the same side as lower tank outlet ports.

Step 2: Assemble filter assembly and attach to pump inlet side, then attach suction hose 18 with hose clamp to filter assembly.

Step 3: Install 90 degree barb fitting 17 to lower tank port (**See illustration**). Attach suction hose 18 with hose clamp to barb fitting.

Step 4: Install nozzle supply hose 16 to pump output side using hose clamp, 13. At this point you can install carry handle to tank using flange bolts 4.

Step 5: Assemble female disconnect 14 and 1/2" hose barb 15 to 3/8" pvc main supply hose 16 with hose clamp 13 (**See illustration**).

Step 6: Assemble items #7, #15, #8 and #12 using hose clamps. (**See illustration**)

Step 7: Install nozzle bracket 9 to spreader. **See pg PW-5** for proper location based on spreader type.

Step 8: Mount spray nozzle to nozzle bracket 9 using retainer nut 10. **See pg PW-5** for proper location based on spreader type.

Step 9: Connect male disconnect 7 to female disconnect 14 ; complete connection between the pump and the nozzle.

Step 10: Continue to page **PW-8** for the electrical power supply portion of the installation.

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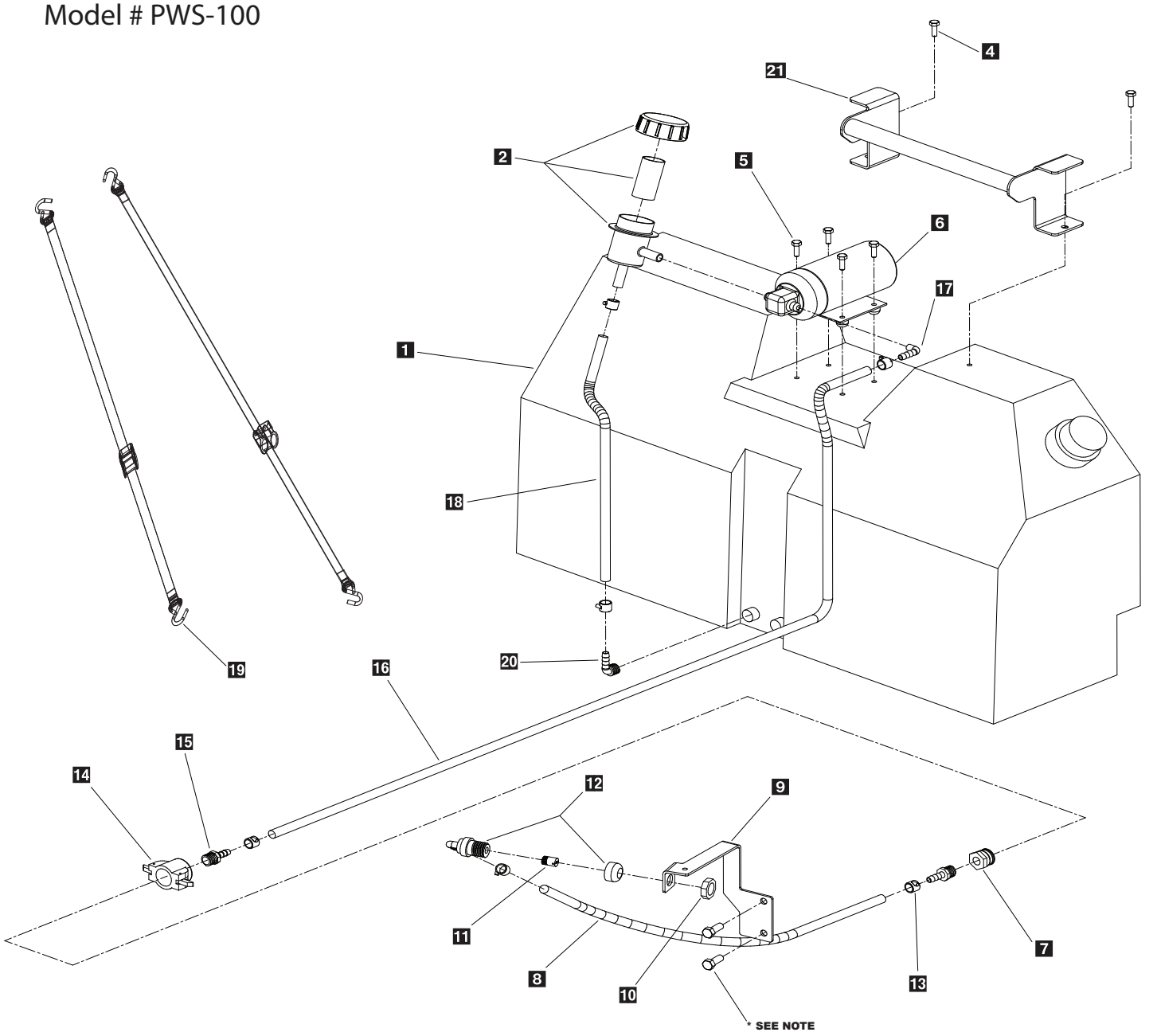
Main Assembly Parts Breakdown

Model # PWS-100



Key	Part No.	Description	Qty.
1	D5263	Tank	1
2	D5267	Filter Assembly	1
3	D5266	VPRO Nozzle Bracket (Not Shown)	1
4	D6131	1/4-20 X 1/2" Serrated Flange Bolt	2
5	D6854	1/4-20 X 1" Flange Bolt	4
6	D5265	12 VDC 2 GPM Pump	1
7	D5272	Male Quick Dis-Connect	1
8	D5277	3/8 X 10" Nozzle Hose	1
9	D5264	1875 Nozzle Bracket	1
10	D6953	Nozzle Retainer	1
11	D5270	Nozzle Jet	1

Key	Part No.	Description	Qty.
12	D6951	Nozzle Holder	1
13	D6930	3/8" Hose Clamp	4
14	D5273	Female Quick Dis-Connect	1
15	D6969	1/2" - 3/8" Hose Barb	2
16	D5274	3/8" PVC Main Nozzle Supply Hose	1
17	D5269	5/8 QA X 3/8 90 Deg Hose Barb	1
18	D5275	1/2" X 18" Suction Hose	1
19	D5271	(2) Pack 1" Ratchet Straps	1
20	D5268	1/2 X 3/8 90 Deg Hose Barb	1
21	D5262	Tank Handle/Hose Retainer	1
	* NOTE *	Use Bolts Supplied On Spreader	

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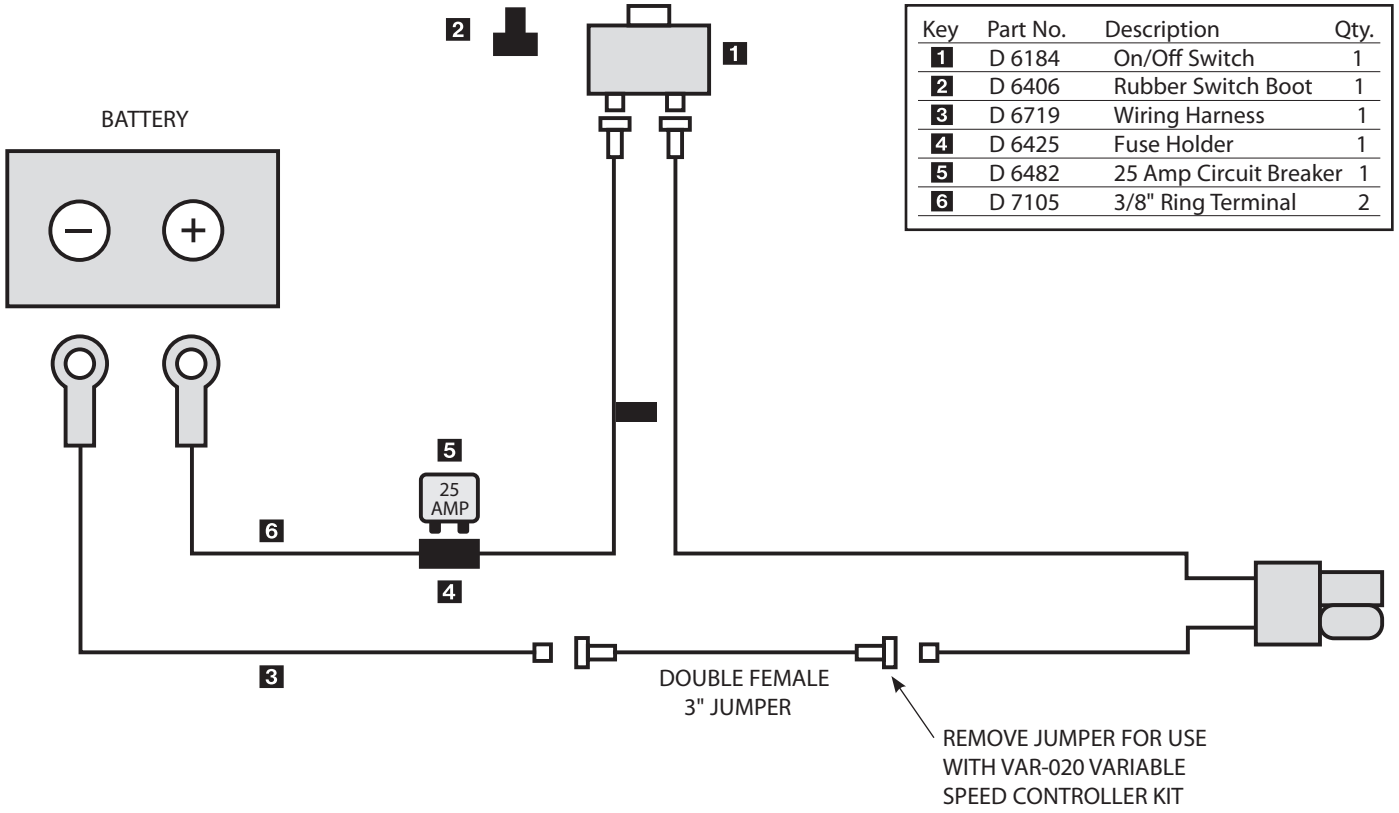
Electrical System Parts Breakdown

Model # PWS-100



Key	Part No.	Description	Qty.
1	D 6184	On/Off Switch	1
2	D 6406	Rubber Switch Boot	1
3	D 6719	Wiring Harness	1
4	D 6425	Fuse Holder	1
5	D 6482	25 Amp Circuit Breaker	1
6	D 7105	3/8" Ring Terminal	2

PWS-100 Wiring Instructions

Step 1: First, install switch at desired location.

Step 2: Run spreader/vehicle harness from the rear of vehicle to switch area. Attach the female spade red wire to the switch. leave the black wire for Step 5.

Step 3: Route the power harness from the battery to the switch/control.

Step 4: Attach the red lead to the positive side of the battery and the black lead to the negative side of the battery.

Step 5: Attach the female spade red wire on switch terminal. Using 3" double female black wire jumper, attach the black wire from the power harness to the black wire of the vehicle harness.

Step 6: Install rubber weatherproof boot on switch before finishing installation.

Step 7: Insert dielectric grease on terminals of SAE plug at rear of vehicle.

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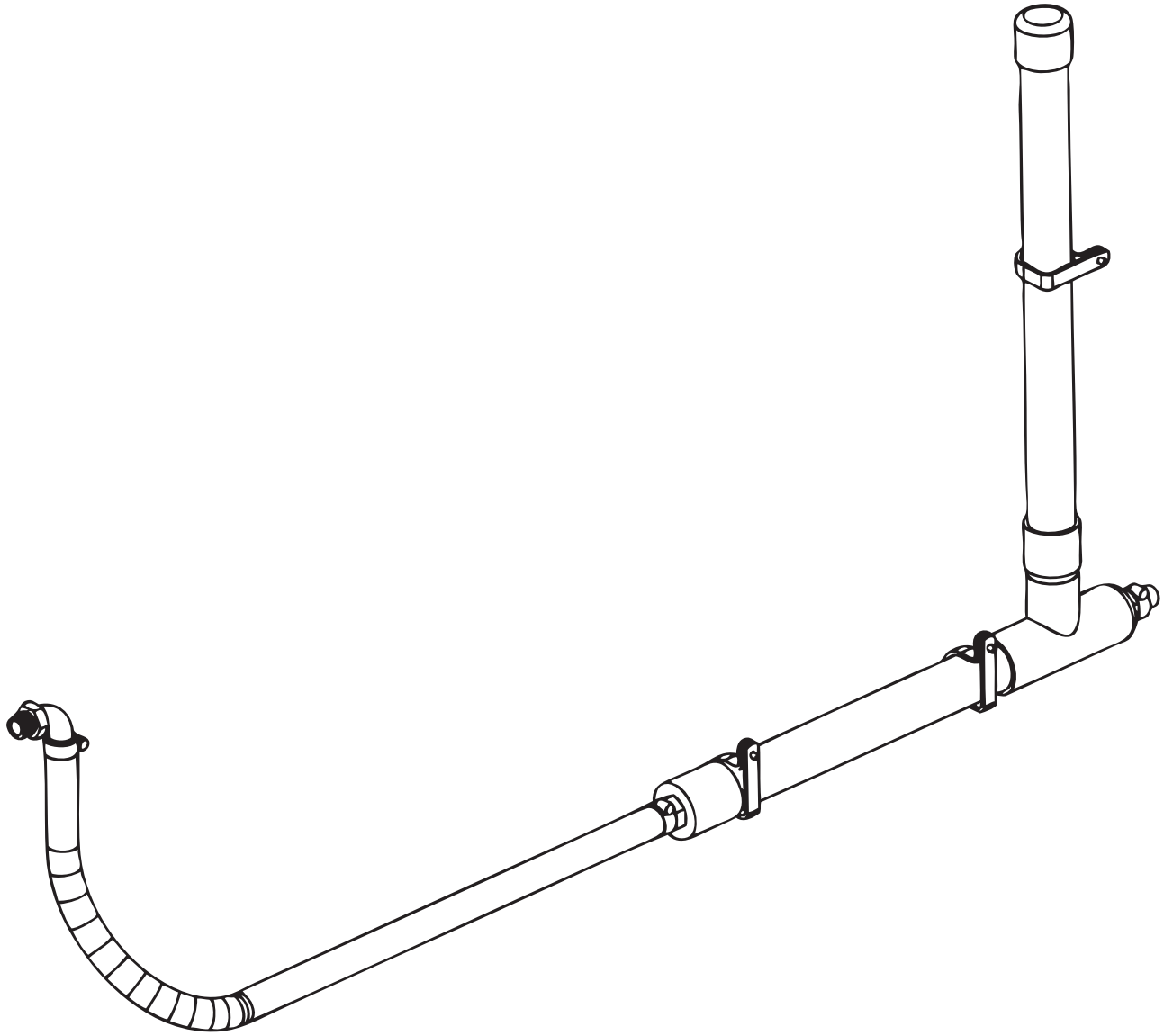
Hydrostatic Equalizer Tube Assembly

Model # PWS-100



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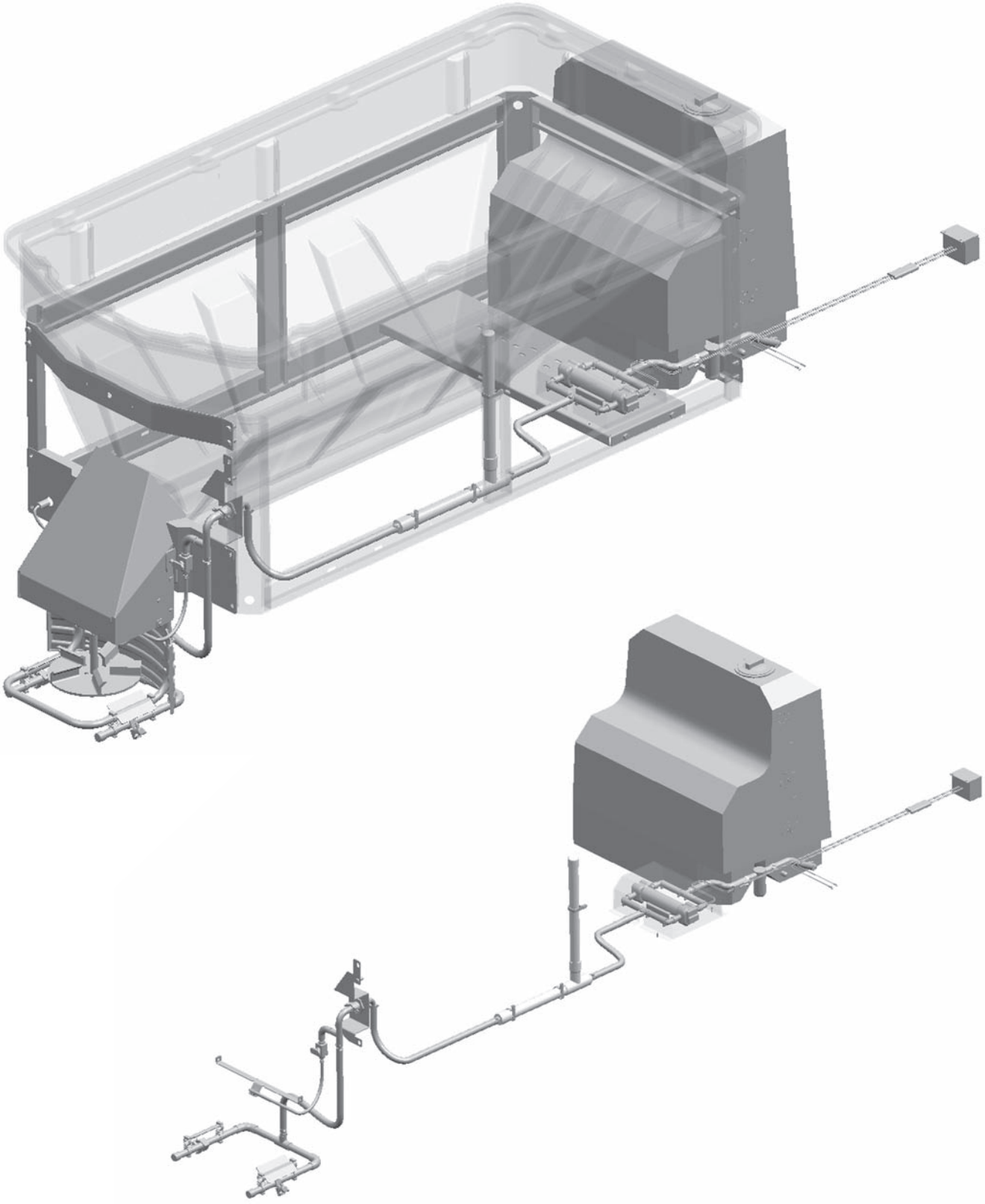
Main Assembly Component Views

Model # PWS-175



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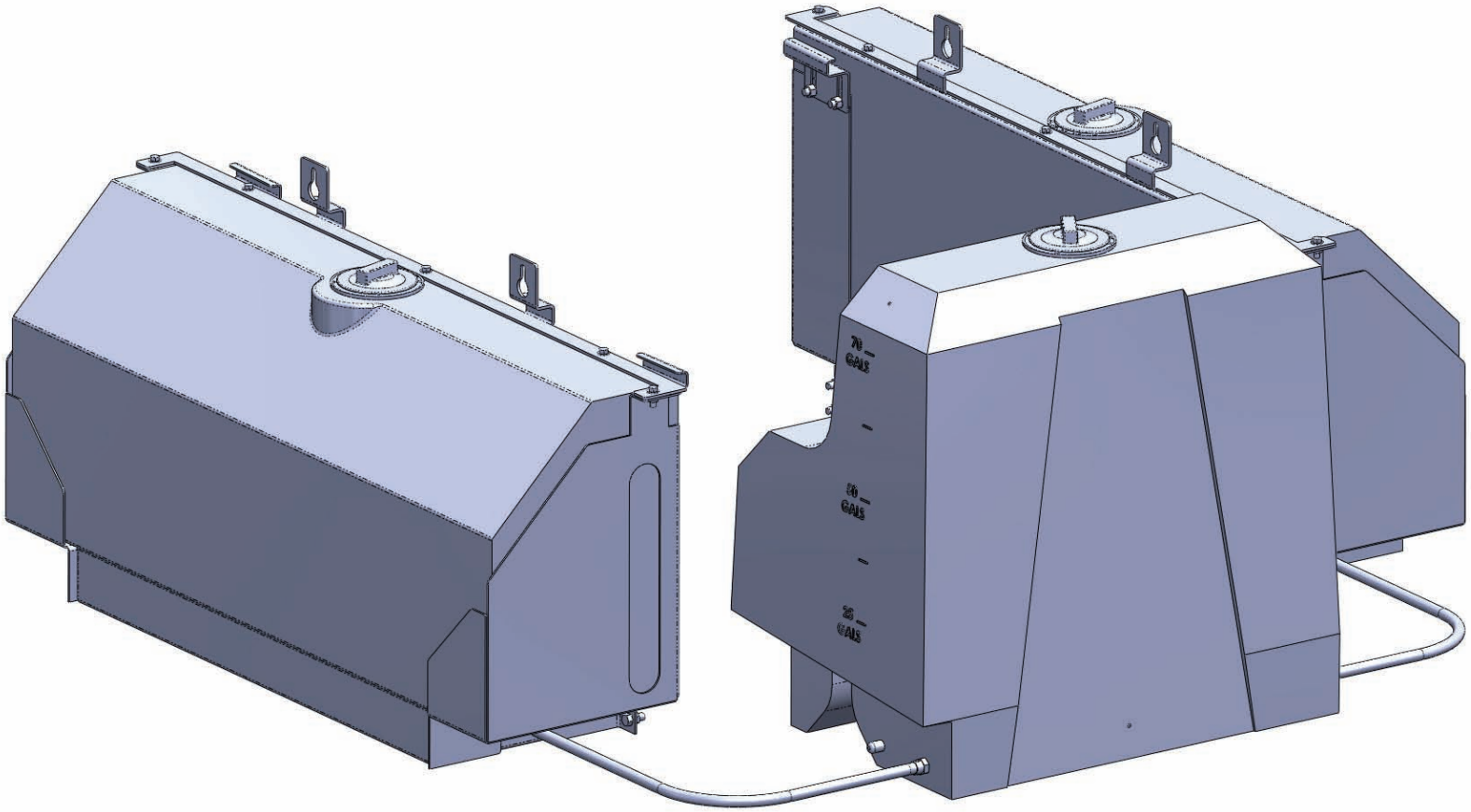
Main Assembly Component Views

Model # PWS-225



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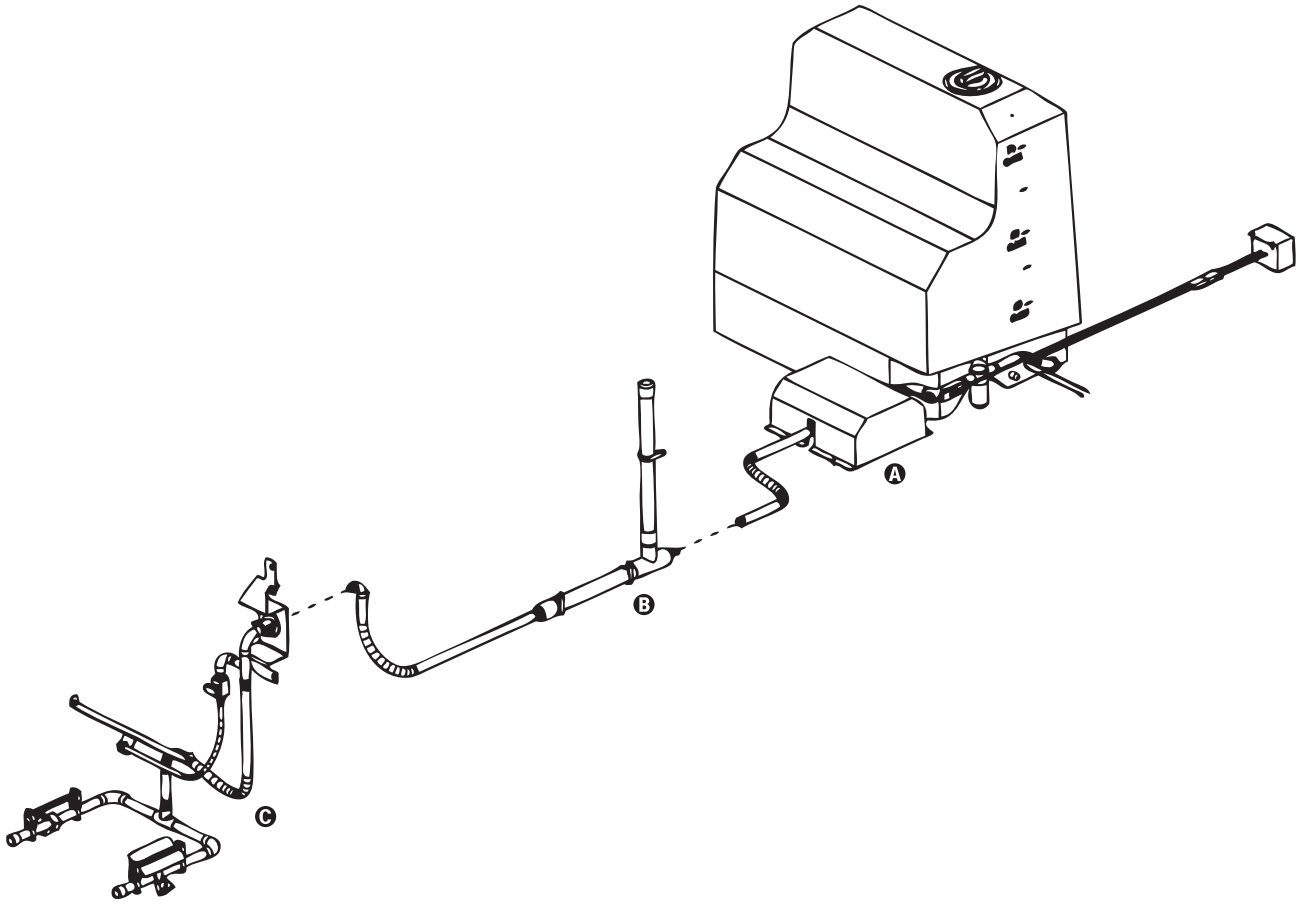
System Sub-Assemblies Breakdown

Model # PWS-175/225



Key	Description
A	Pump/Tank/Control
B	Hydrostatic Equalizer / Filter
C	Wet Boom & Chute Assembly

NOTE: 3/4" HOSE IS IN ONE CONTINUOUS PIECE AND YOU WILL HAVE TO CUT INTO INDIVIDUAL SEGMENTS TO INSTALL KIT. INSTALL SUB-ASSEMBLIES BEFORE CUTTING HOSE.

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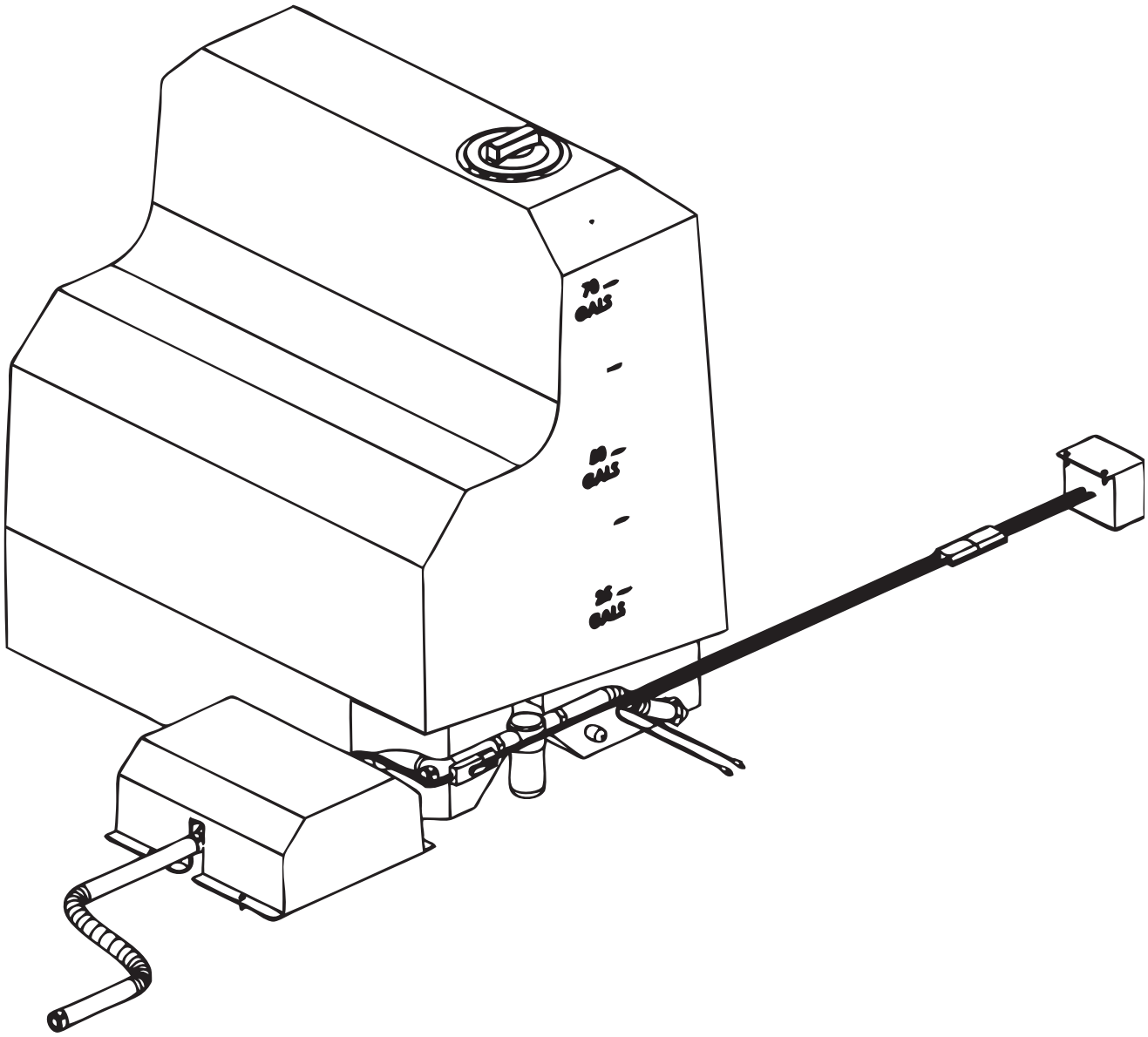
Pump/Tank Sub-Assembly View

Model # PWS-175/225



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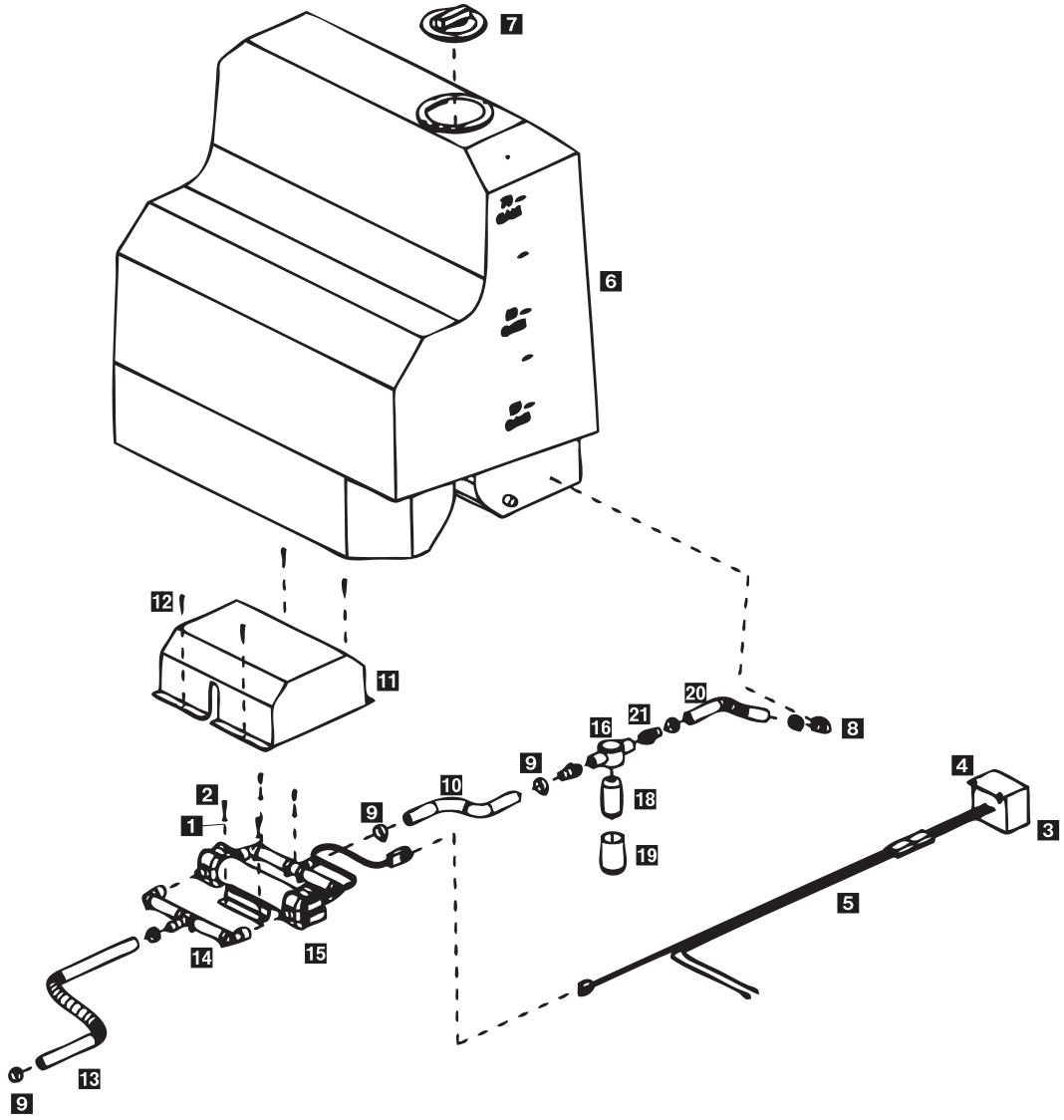
System Sub-Assemblies Parts Breakdown

Model # PWS-175/PWS-225



NOTE: ITEMS 16,18 and19 ARE A COMPLETE ASSEMBLY.

Key	Part No.	Description	Qty.
1	D 4289	#10 Flat Washer	4
2	D 6583	#10 x 2" Self Drilling Screw	4
3	D 6900	Pre-Wet Control	1
4	D 6901	Control Mounting Screws	2
5	D 6902	Vehicle Harness	1
6	D 6903	75 Gallon Tank-Yellow	1
7	D 6904	4" Vented Cap	1
8	D 6905	3/4" 90 Degree Barb	4
9	D 6906	3/4" Hose Clamp	8
10	D 6907	3/4" PVC Hose 12-1/2" Long	1
11	D 6909	Vacuum Formed Pump Cover	1

Key	Part No.	Description	Qty.
12	D 6910	1/4" x 3/4" Self Drilling Hex Head	4
13	D 6911	3/4" PVC Hose 21" Long	1
14	D 6941	Pump Manifold Assembly Horizontal Tee	2
15	D 6940	12 VDC High Flow Pump	1
16	D 6945	Strainer Cap	1
17	D 6946	Strainer Gasket (not shown)	1
18	D 6947	Strainer Element	1
19	D 6948	Strainer Bowl	1
20	D 5276	3/8" x 1/2" 90 Deg Hose Barb	1
21	D 6928	3/4" Straight Hose Barb	4

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Pump/Tank/Control Installation Instructions

Model # PWS-175/PWS-225

REFER TO PAGE AS-13,14,15 FOR DETAILED INFORMATION.

NOTE: All male threads are pre-Teflon taped.
NOTE: V-Maxx Spreader should not be in truck during installation.

Step 1: Mount control in desired location in cab using supplied hardware.

Step 2: Route battery leads to battery but DO NOT connect at this time.

Step 3: Route vehicle harness to pump location by motor/trans mount. DO NOT connect to pump at this time.

Step 4: Remove upper front rail on V-Maxx Spreader, install front tank over lower rail. This will help keep tank locked in position. Re-install upper rail.

Step 5: Install 3/4" NPT plugs in open ports except for the port closest to the passenger. Instal 8 90° barb fitting.

Step 6: Cut to length and install hose 20 to 8 using hose clamp 9 , route hose over lower rail.

Step 7: Cut to length and attach strainer assembly (16,18,19,21) to hose 20 using clamp 9. Make sure to keep strainer level.

Step 8: Attach hose 10 with clamp 9 ; this hose will be routed from strainer assembly to the pump manifold 14 closest to the tank.

Step 9: Once you have made sure all parts from the tank to the pump are routed correctly and all clamps are tight, you can then mount the pump.

Step 10: Position pump between the V-Maxx motor/trans cover and the passenger side lower rail. (See page AS-4 upper photo) Center pump front-to-back and mount pump using self drilling screw 2 with washer 1.

Step 11: Attach hose 10 using clamp 9 to pump manifold 14.

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Tank & Bracket Installation Instructions

Model # PWS-225

REFER TO PAGE AS-16 TO COMPLETE STEPS 1-11.

REFER TO PAGE AS-11, AS-33 TO ASSIST WITH THE INSTALLATION.

NOTE: All male threads are pre-Teflon taped.

NOTE: V-Maxx Spreader should not be in truck during installation.

Step 1: Position left and right main brackets over tank.

Step 2: Start screws through cross brace into main brackets.

Step 3: Rest against side frame of spreader in desired position and mark holes in bottom rail.

Step 4: Drill holes in bottom rail for 1/2" bolts.

Step 5: Hook adjustment brackets to top rail, you may have to pry over plastic hopper to fit properly.

Step 6: Set assembly against side frame and fasten together. Tighten all bolts at this time.

Step 7: Install fitting D6967 into saddle tank (see pg 18).

Step 8: Measure and cut hose to fit between saddle tank and front tank (see pg 18).

Step 9: Install hose using clamps D6963.

Step 10: Fill tanks enough to check for any leaks.

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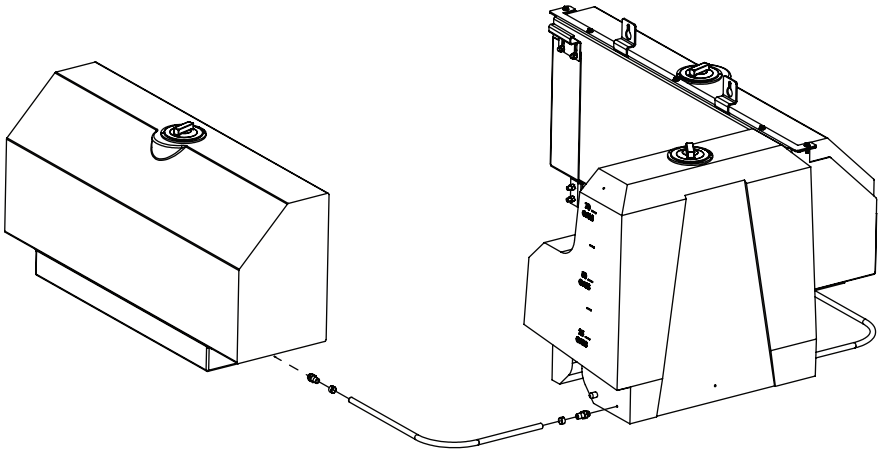
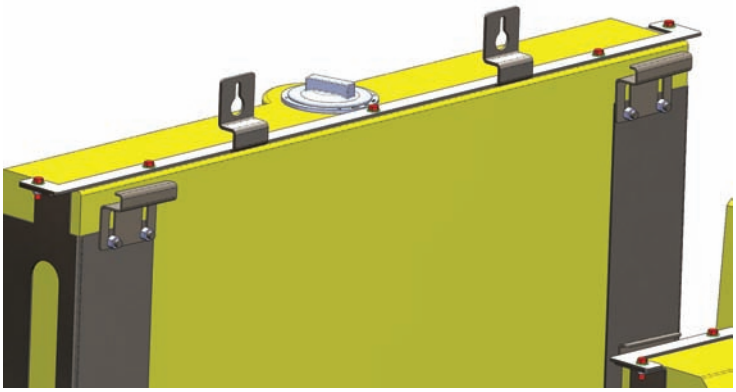
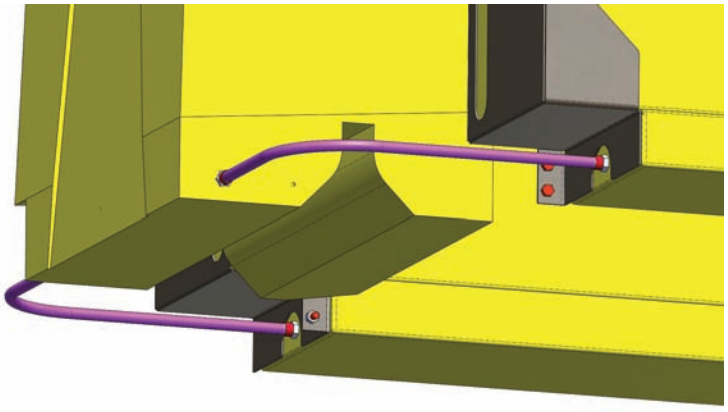
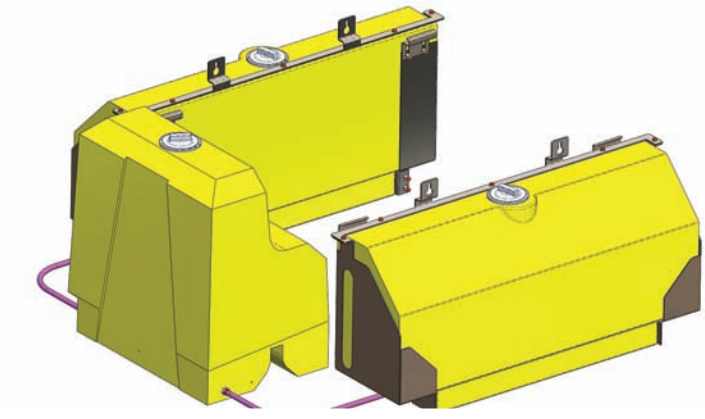
Tank & Bracket Installation Instructions

Model # PWS-225









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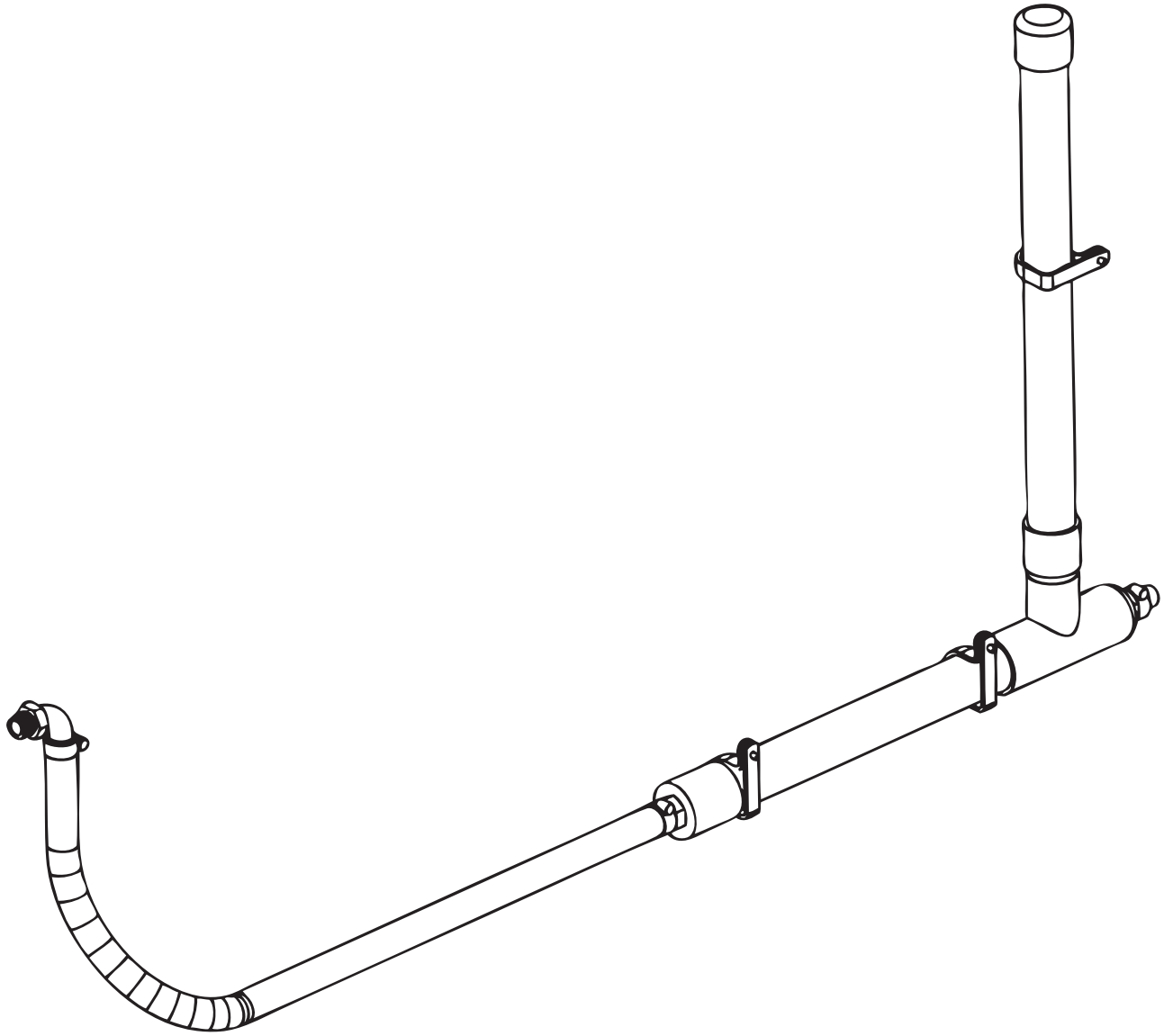
Hydrostatic Equalizer Tube Assembly

Model # PWS-175/225



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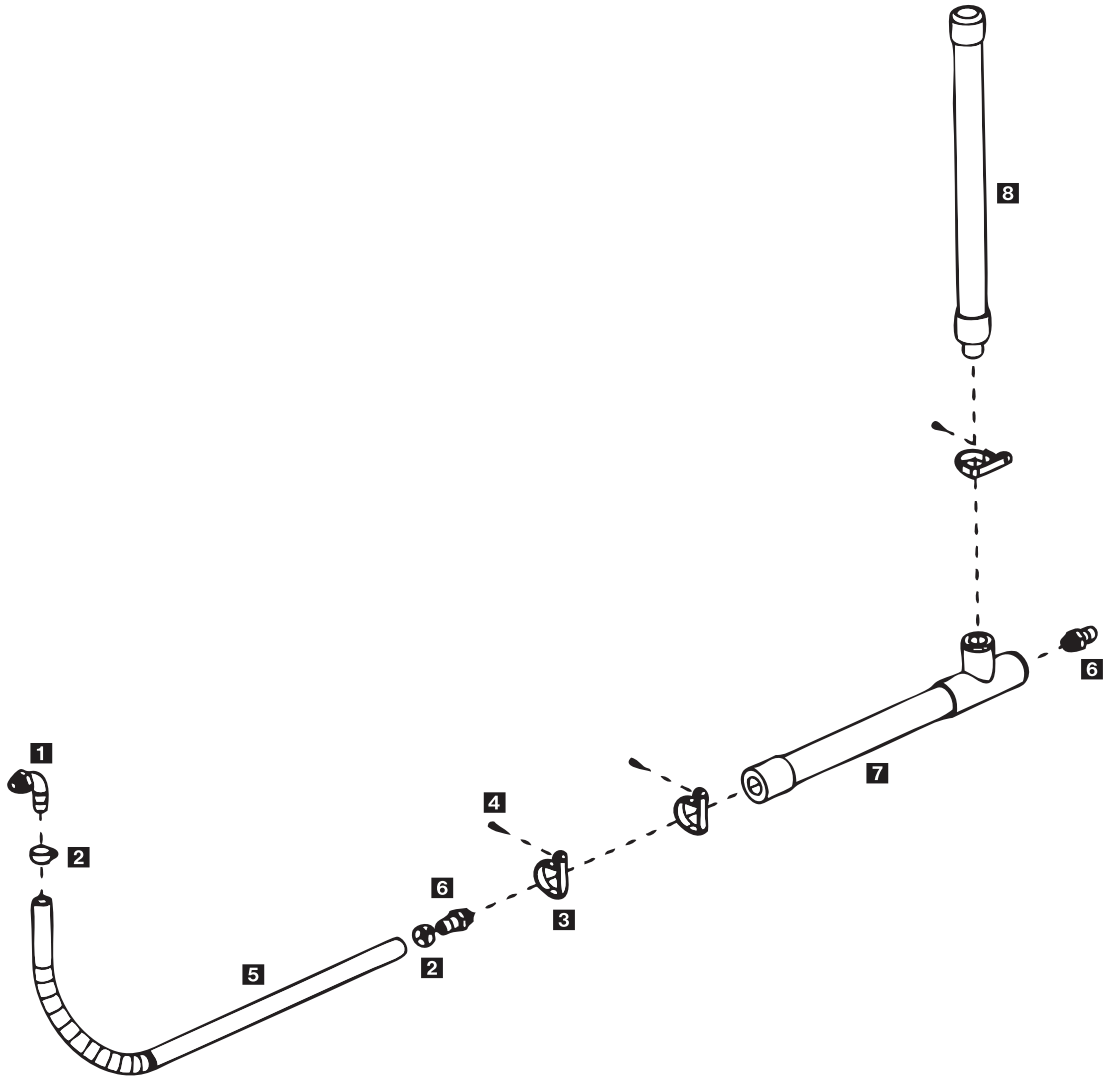
Hydrostatic Tube Assembly Parts Breakdown

Model # PWS-175/225



Key	Part No.	Description	Qty.
1	D 6905	3/4" 90 Degree Hose Barb	1
2	D 6906	3/4" Hose Clamp	2
3	D 6913	1-1/2" Conduit Clamp	3
4	D 6914	#10 x 3/4 Self Drilling Hex Head	3
5	D 6911	3/4" PVC Hose 21" Long	1
6	D 6928	3/4" Straight Barb	1
7	D 6912	Hydrostatic Tube	1
8	D 6942	22" Stand Pipe	1

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Hydrostatic Tube Assembly Instructions

Model # PWS-175/225

REFER TO PAGE AS-20 FOR DIAGRAM

NOTE: All male threads are pre-Teflon taped.

NOTE: V-Maxx Spreader should be in truck during installation.

Step 1: Assemble hydrostatic tube 7 to standpipe 8 by threading together. Make sure teflon tape is secure and in proper position.

Step 2: Install straight barb 6 on the tee end of tube assembly facing tank/pump.

Step 3: Connect 6 , 7 , and 8 to hose 13 from Section A (previous instructions) using hose clamp 2. Mount the hydrostatic tube assembly to the V-Maxx vertical support (see page AS-4 top photo). Use 3 conduit clamp and 4 self drilling screw to secure assembly to frame in three places.

Step 4: Cut to length hose 13 from section A (previous instructions) between pump manifold and hydrostatic equalizer tube assembly; connect using hose clamps 2 .

Step 5: Install 6 hose barb into hydrostatic tube 7 opposite of the tee end.

Step 6: Install pump cover 11 from section A (previous instructions) using self drilling screw 12 . The cover is notched to allow hose to pass through both sides.

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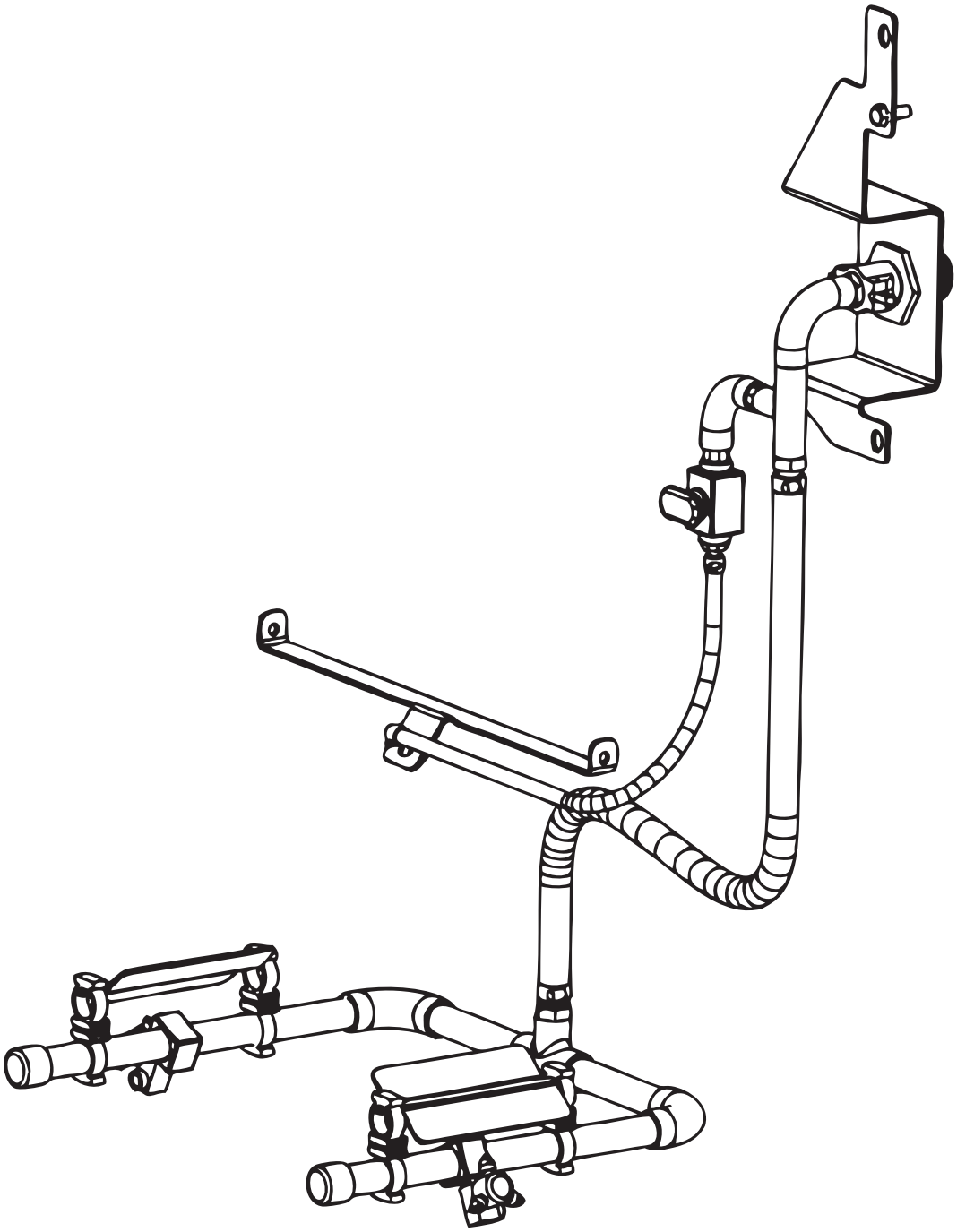
Chute/Wet Boom Nozzle Assembly

Model # PWS-175/225



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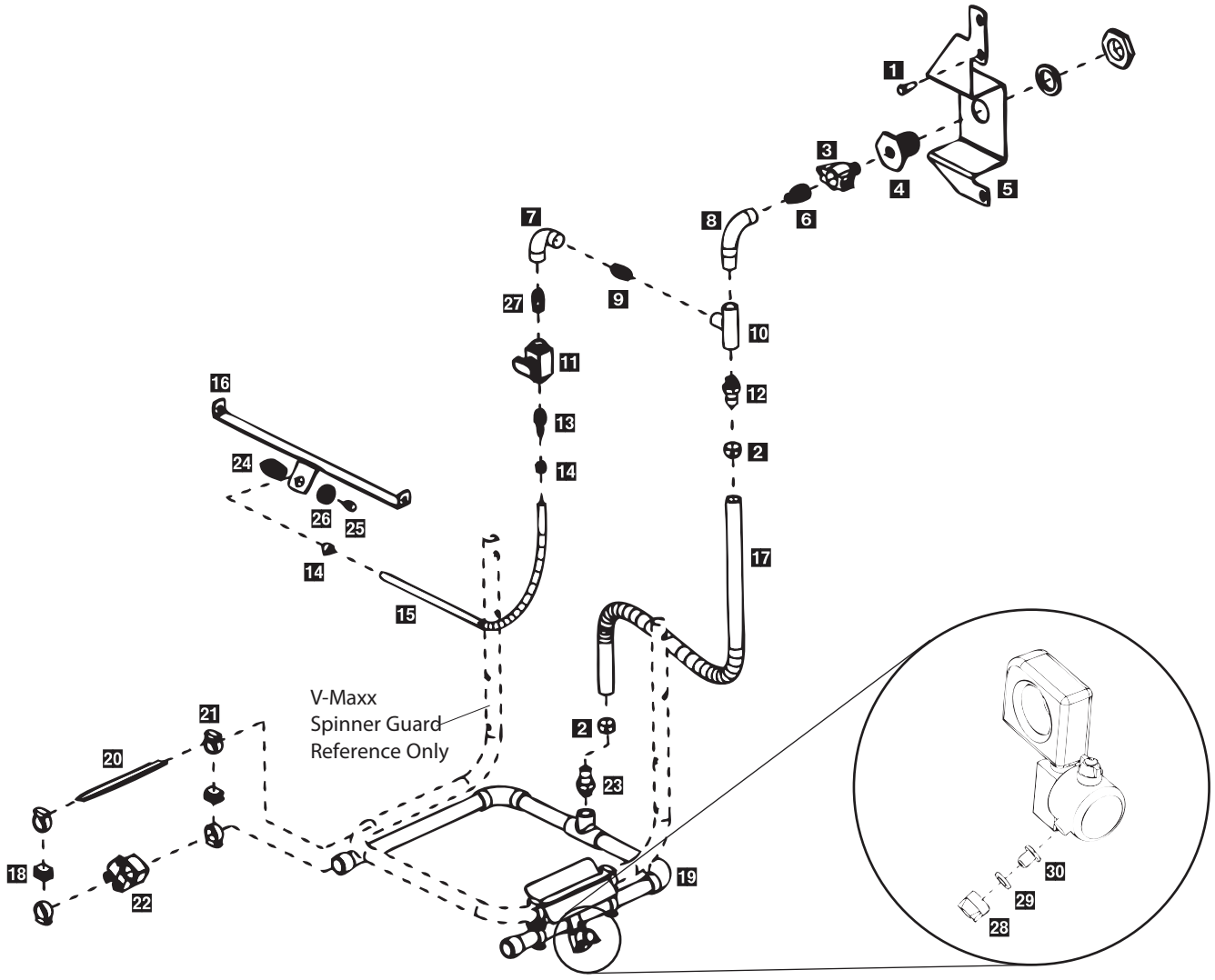
Chute/Wet Boom Nozzle Assembly Parts Breakdown

SNOWEX®

Model # PWS-175/225



Key	Part No.	Description	Qty.
1	D 6528	1/2" - 13 x 1" Serrated Hex Bolt	1
2	D 6906	3/4" Hose Clamp	2
3	D 6916	Female Quick Disconnect	1
4	D 6917	Bulkhead Assembly	1
5	D 6921	Bulkhead Mounting Bracket	1
6	D 6922	Male Quick Disconnect	1
7	D 6923	1/2" 90° Street Elbow	1
8	D 6924	3/4" 90 Degree Street Elbow	2
9	D 6925	3/4" to 1/2" Reducer	1
10	D 6926	3/4" Tee	1
11	D 6927	1/2" Ball Valve	1
12	D 6928	3/4" Straight Barb	2
13	D 6929	1/2" to 3/8" Straight Barb	1
14	D 6930	3/8" Hose Clamp	2
15	D 6931	3/8" PVC Hose 20" Long	1
16	D 6933	Chute Nozzle Bracket	1
17	D 6934	3/4" PVC Hose 36" Long	1
18	D 6935	Wet Boom Bracket	4

Key	Part No.	Description	Qty.
19	D 6936	Wet Boom PVC Assembly	1
20	D 6937	Rotary Nozzle Deflector	2
21	D 6938	Rotary Nozzle Deflector Nylon Zip Tie	8
22	D 6939	Rotary Nozzle Assembly	2
23	D 6944	1" - 1/2" Straight Barb	1
24	D 6951	Prewet Nozzle Body	1
25	D 6952	Prewet Nozzle	1
26	D 6953	Nozzle Retainer	1
27	D 6920	1/2" Close Nipple	1
28	D 6956	Nozzle Cap - RED	2
	D 6957	Nozzle Cap - GREEN	
	D 6955	Nozzle Cap - YELLOW	
29	D 6961	Gasket	6
30	D 6958	High Flow Nozzle	2
	D 6959	Low Flow Nozzle	
	D 6960	80° Fan Nozzle	

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Chute/Wet Boom Nozzle Installation Instructions

Model # PWS-175/PWS-225

REFER TO PAGE AS-22 FOR DIAGRAM

Section C has three sub-assemblies pre-assembled from the factory. This is done in order to minimize installation time during the final phase of assembly. They are made up in the following order.

Sub-Assembly A: 3, 4
Sub-Assembly B: 7, 8, 9, 10, 11, 12, 13, 29, 6
Sub-Assembly C: 19, 23

Step 1: Install 5 to bulkhead mounting bracket to V-Maxx right rear corner post (see page AS-4 upper photo).

Step 2: Attach sub-assembly A to 5 using 28 gasket and 27 jam nut. At this time you can install 1, 2, 5 from the last instructions in Section B.

Step 3: Cut to length hose 5 from section B (page AS-10) connect using hose clamps.

Step 4: Attach sub-assembly C to V-Maxx spinner guard tube using nylon zip tie 21 and wet boom bracket 18. Snug zip ties as needed.

Step 5: Attach rotary nozzle 22 to wet boom assembly 19. Note holes in boom need to align with rotary nozzle hole with o-ring seal.

Step 6: When alignment is correct, tighten each rotary assembly until snug. DO NOT overtighten these assemblies. (See page AS-17 upper photo).

Step 7: Attach sub-assembly B to 3 , keep assembly vertical and square to rear of V-Maxx frame.

Step 8: Connect hose 8 to wet boom barb 23 and to sub-assembly B barb 12 using hose clamp 2. Trim hose as needed.

Step 9: Assemble chute nozzle assembly 24, 25, 26 to 16 chute nozzle bracket. Attach assembly to V-Maxx driver/spinner assembly. (See page AS-16 for reference.)

Step 10: Connect hose 15 to pre-wet nozzle body 24 using 14 hose clamp. Connect the other end of sub-assembly B to 13 using hose clamp 14 .

INSTALL SPREADER - REFER TO TO SPREADER MANUAL FOR PROPER INSTALLATION

FINAL ASSEMBLY INSTRUCTIONS

Step 1: Make sure control power switch is in the OFF position and attach power leads to battery, Red-Positive, Black-to Ground.

Step 2: Fill tank with at least 10 gallons of water to test and flush system.

Step 3: Open rotary valves to high flow streamer position and also pre-wet system. This will achieve maximum flow through the system.

Step 4: Check system for any leaks and correct as needed.

Step 5: Run system until water has been depleted.

Step 6: Remove strainer element from filter assembly between the tank and pump, inspect and clean as needed. Replace strainer and tighten bowl. Use minimal force to install bowl; o-ring seal does not require large amount of force to seal. Overtightening will damage o-ring seal.

Step 7: Your de-ice/anti-ice/pre-wet system is now ready to be used with a wide variety of products. As with all chemicals, consult the original manufacturer's handling, storage and usage instructions. Your local Trynex dealer will have information regarding where to obtain materials for your system.

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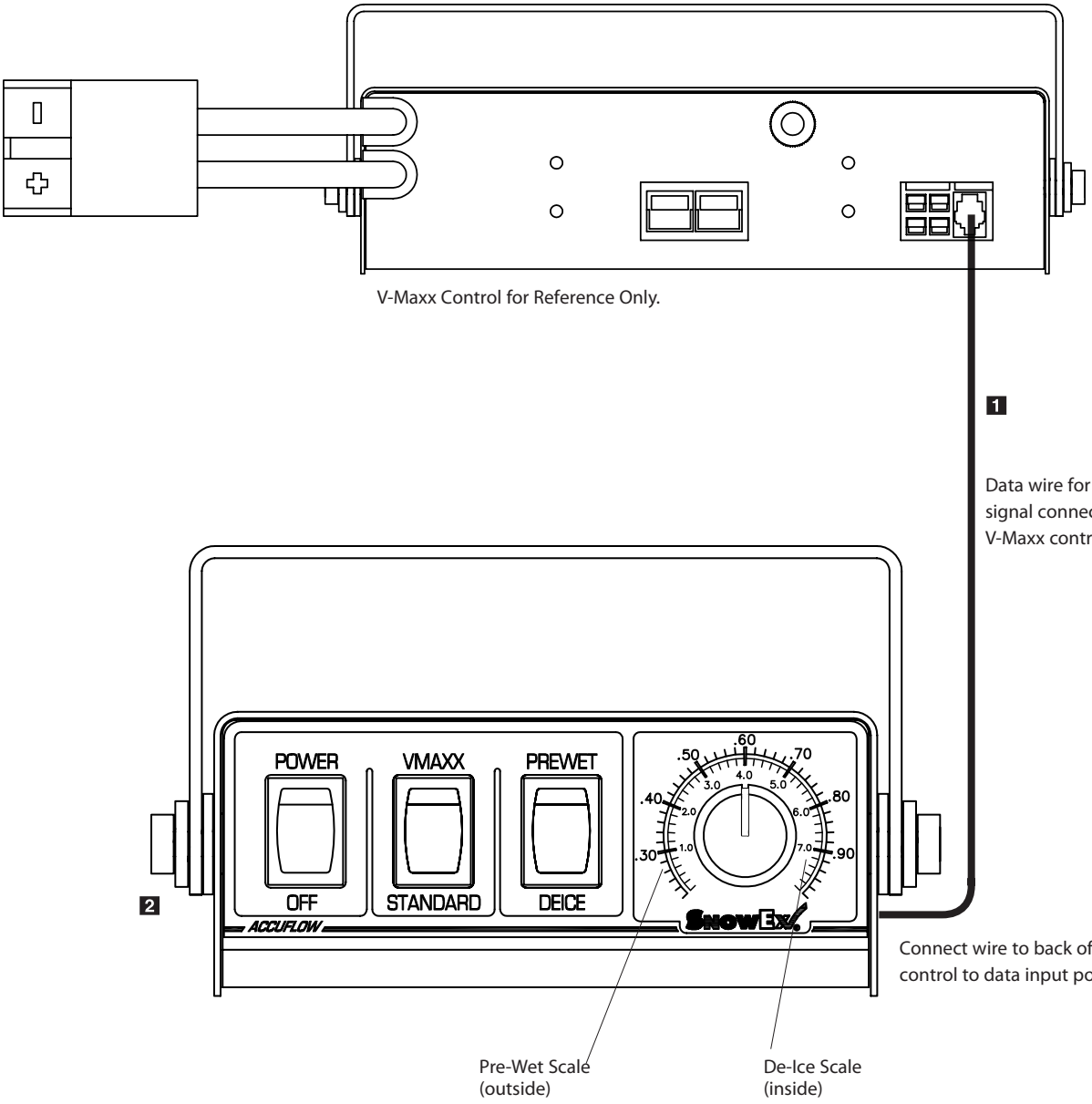
Electrical System Connection

Model # PWS-175/PWS-225



ATTENTION: STORE CONTROL IN A COOL DRY PLACE DURING THE OFF SEASON.

Key	Part No.	Description	Qty.
1	D 6943	8" Data Cable	1
2	D 6900	Pre-Wet/De-Ice Control	1
3	D 6902	20' Vehicle Harness	1
4	D 6950	Optional 20' Extension for Pumps/Pumping Platform	1

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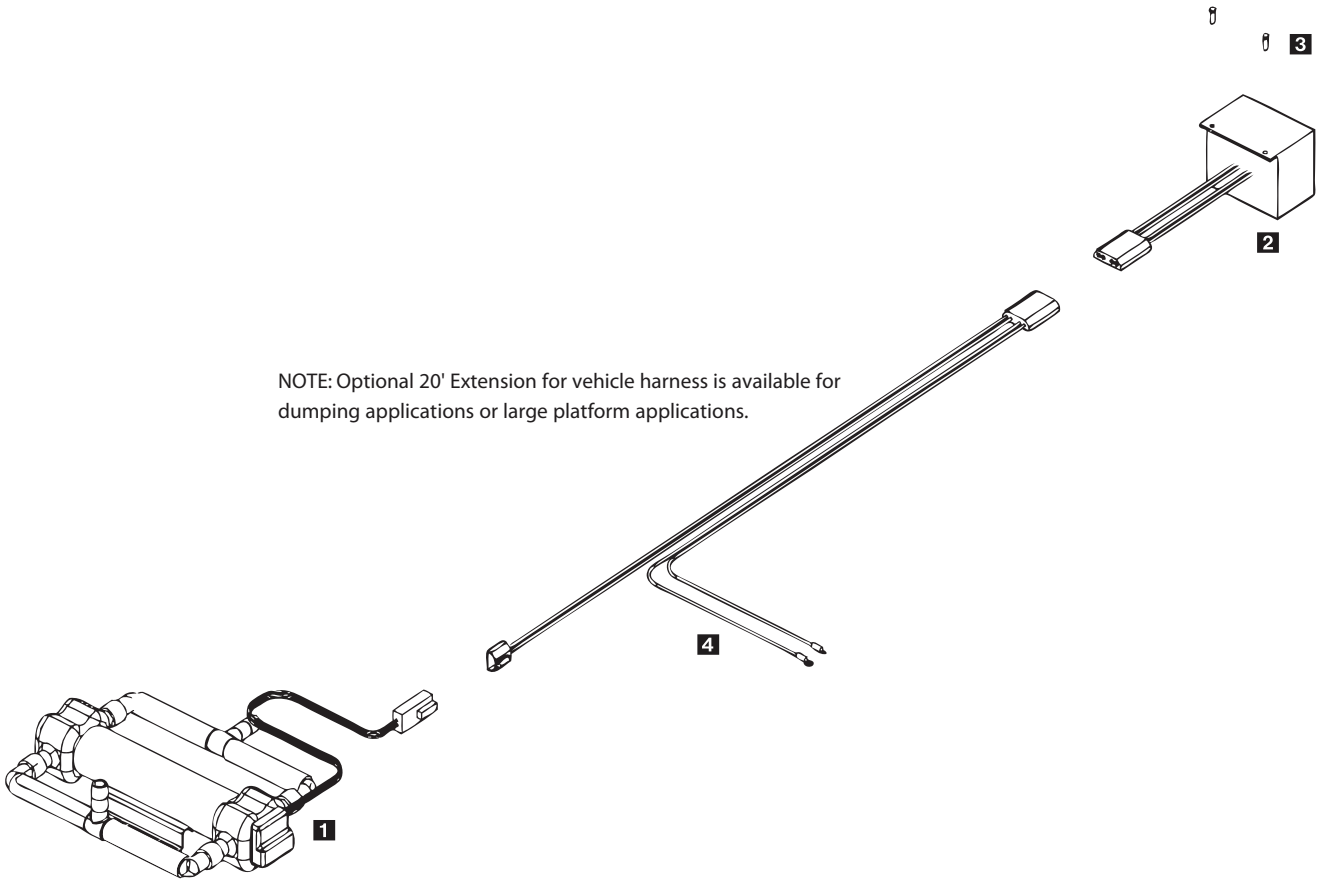
Electrical System Wiring Diagram

Model # PWS-175/PWS-225



NOTE: Optional 20' Extension for vehicle harness is available for dumping applications or large platform applications.

NOTE: Do Not Modify Harness Length

Key	Part No.	Description	Qty.
1	D 6940	Dual Head High Flow 12 VDC Pump	1
2	D 6900	Pre-Wet/De-Ice Control	1
3	D 6901	Control Mounting Screws	2
4	D 6902	Vehicle Harness	1
5	D 6950	Optional 20′ Extension	1

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ABOUT ANTI-ICERS & DE-ICERS

- An ANTI-ICER is used as a pre-treatment before a storm to prevent bonding of snow and ice to the surface. This makes snow removal much easier.
- A DE-ICER is applied after a storm.
- De-Icers work by lowering the freezing point of water.
- Every de-icer has a characteristic minimum temperature at which it can melt ice.
- After a de-icer is applied and begins melting ice, the concentration becomes diluted and the minimum melting temperature rises.
- This freezing point gradually increases and eventually will reach a point where it will not permit further melting.
- Chemical de-icers are not designed to be a complete substitute for snow removal but should be used as an aid to simplify removal by other means, such as by shovel, blower or plow.

APPLICATION INFORMATION

- Anti-Icers should be applied before a storm at 1/2 gallon per 1000 square feet.
- De-Icers should be applied at a rate of 1 gallon per 1000 square feet for thin ice. When ice is more than one inch thick, apply at a rate of 3 gallons per 1000 feet.

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Pre-Wetting System

Pre-Wetting is the process of spraying de-icing salt with a solution of liquid chemical before spreading the salt on the roadway. Pre-Wetting the salt helps it work more effectively as a de-icing agent for two reasons: First, wet salt clings to the road instead of bouncing off or being swept off by traffic. The result is that less salt is spread, saving money and minimizing the threat to the environment. Second, to be effective as a de-icing agent, salt requires moisture. Moisture dissolves the salt, releasing heat and thereby melting the ice and snow, as well as breaking the ice-road bond. When temperatures drop below freezing, there is no moisture on the road, and salt alone is ineffective. Pre-Wetting the salt, however, ensures that there will be enough moisture to facilitate the melting process. Then, pre-wetted salt works faster and at lower temperatures than does dry salt, with less waste. As a pre-wetting agent sodium chloride (salt) brine is a low-cost, effective alternative to liquid calcium.

WHY PRE-WET WITH SALT BRINE?

Sodium chloride has been used as a pre-wetting agent primarily because of its low cost and ready availability, but the real benefits from pre-wetting occur when the brine is mixed with the dry materials. Sodium chloride must find moisture from some source before it can generate the heat needed to begin the melting process. Under past operations, dry sodium chloride could not generate heat until it came into direct contact with the snow or ice on the surface. As the sodium chloride found the moisture in the snow or ice, it began to generate heat which melted more snow and ice, accelerating the melting process. During snow storms and temperatures and low humidity, sodium chloride had difficulty finding available moisture, which slowed the melting process cold air considerably. Adding sodium chloride brine to dry sodium chloride at the spinner before it struck the road surface provided extra moisture to quicken the melting process.

BENEFITS

We are pleased with the results and have found the following benefits in using pre-wetted materials:

- Materials readily adhere to the roadway better than with dry materials.
- Pre-wetted materials begin dissolving snowpack and ice faster than dry materials.
- The quantity of materials can be reduced when pre-wetted, since less materials leave the roadway during spreading.
- Corrosion of equipment is minimized by spraying the liquid salt at the spinner.
- Operators report quicker melting with the pre-wetting process, which means better service to the traveling public.

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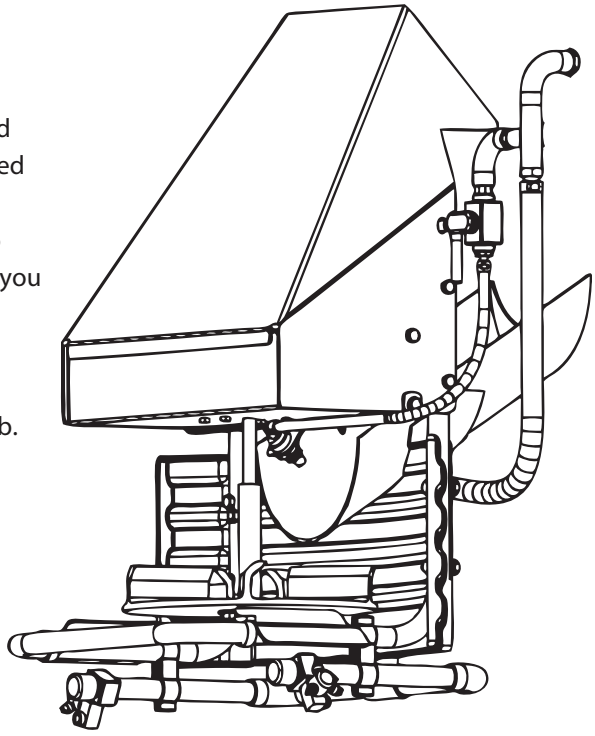
Pre-Wet Flow Rates Linked and Un-Linked

Model # PWS-175/PWS-225

HOW TO USE THE MATERIAL PRE WET SYSTEM WHEN LINKING THE VMAXX CONTROL TO THE ACCUFLOW CONTROL.



LINKED: When you connect the two controls together using the 8" supplied data cable, the V-Maxx control will send a signal from the the data port based on what position the auger dial is set to. When linking the two together, this disables the knob function of the Accuflow control. The system is set to deliver an optimum amount of liquid based on the amount of the material you are spreading. This will help minimize wasting pre-wetting materials.

UN-LINKED/STANDALONE: You have the option not to connect the two controls together and adjust your flow rate using the Accuflow control knob.

POWERING UP THE SYSTEM LINKED: Set Accuflow control to V-Maxx and then to Pre-wet, then power up the V-Maxx control, set auger and spinner rates, power on the Accuflow control to begin the pre-wetting operation.

POWERING UP THE SYSTEM UN-LINKED OR STAND ALONE SYSTEM: Set Accuflow control to standard then set to Pre-wet, start spreader system up. Power on the Accuflow control to begin the pre-wetting operation.

Rotate rotary nozzles to OFF positon and move selector valve so that it is in line with supply hoses. This will allow only the chute nozzle to operate.

V-Maxx Auger Speed Setting	Gallons Per Ton
10	4.40
15	4.69
20	4.98
25	5.27
30	5.57
35	5.86
40	6.15
45	6.45
50	6.74
55	7.03
60	7.33
65	7.62
70	7.91
75	8.20
80	8.49
85	8.72
90	8.80
99	9.00

AccuSpray Control Setting	Gallons Per Minute
0.30	.43
0.40	.49
0.50	.55
0.60	.65
0.70	.71
0.80	.79
0.90	.85
FULL ON	.90

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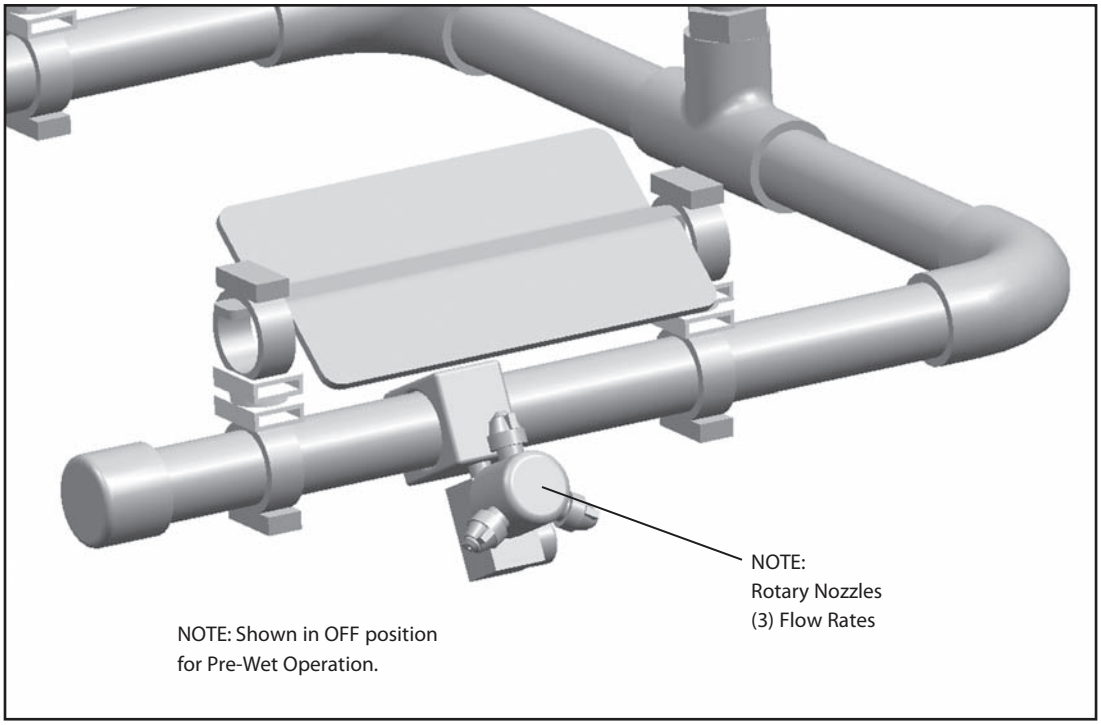
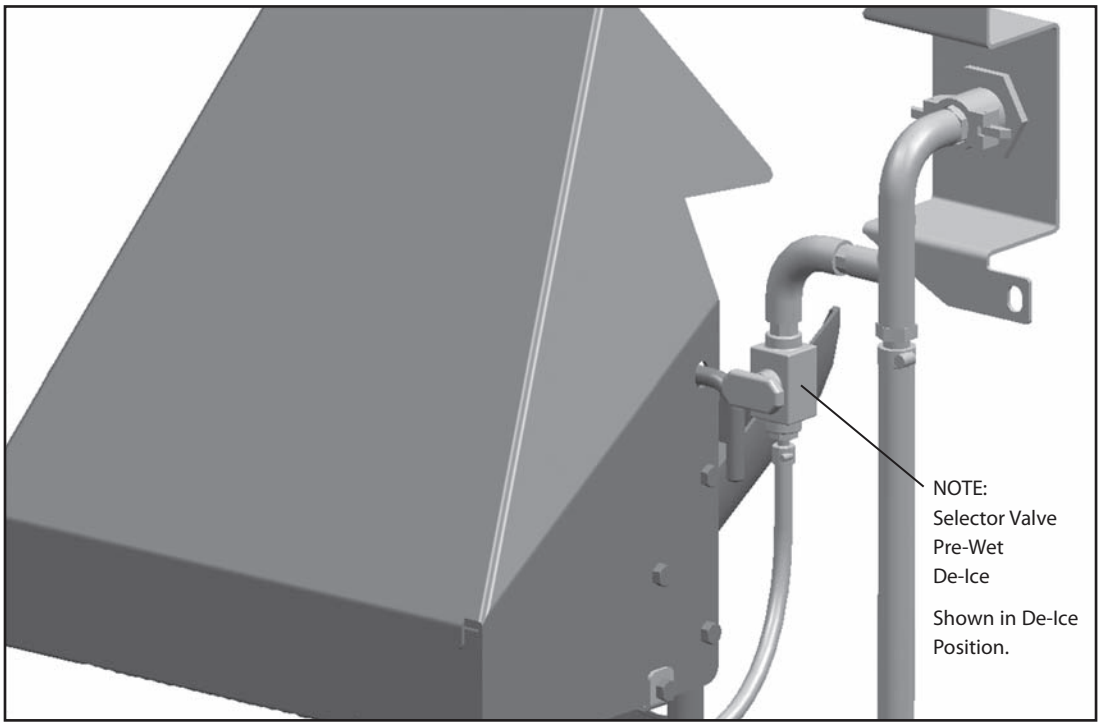
De-Ice System Views

PWS-175/PWS-225





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De-Ice/Anti-Ice At 10 MPH Spreading Speed

	PRE-WET FAN NOZZLES				DE-ICE LOW FLOW STREAMER				DE-ICE HIGH LOW FLOW STREAMER			
AccuFlow Control Setting	GPM Red	Approx Acerage Coverage Red System 75 Gal	225 Gal	375 Gal	GPM Yellow	Approx Acerage Coverage Yellow System 75 Gal	225 Gal	375 Gal	GPM Green	Approx Acerage Coverage Green System 75 Gal	225 Gal	375 Gal
1	2.50	7.58	22.73	37.88	3.70	5.12	15.36	25.59	2.00	9.47	28.41	47.35
2	2.70	7.01	21.04	35.07	3.90	4.86	14.57	24.28	2.25	8.42	25.25	42.09
3	2.90	6.53	19.59	32.65	4.12	4.60	13.79	22.98	2.50	7.58	22.73	37.88
4	3.10	6.11	18.13	30.55	4.33	4.37	13.12	21.87	2.75	6.89	20.66	34.44
5	3.30	5.74	17.22	28.70	4.54	4.17	12.52	20.86	3.00	6.31	18.94	31.57
6	3.50	5.41	16.23	27.06	4.75	3.99	11.96	19.94	3.25	5.83	17.48	29.14
7	3.70	5.21	15.36	25.59	4.96	3.82	11.46	19.09	3.50	5.41	16.23	27.06
FULL	4.00	4.73	14.20	23.67	5.17	3.66	10.99	18.32	3.75	5.05	15.15	25.25

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Clean-Out Instructions

Model # PWS-175/PWS-225/PWS-375

Step 1: Disconnect nozzle assemblies at rear of vehicle at Quick-Disconnect point.

Step 2: Make yourself a hose with matching male Quick-Disconnect to hook-up at Quick-Disconnect point.

Step 3: Install hose at Quick-Disconnect point and put the other end in the storage tank.

Step 4: Turn on pump until the tank is empty.

Step 5: Add water and RV antifreeze mix into tank.

Step 6: Reinstall Quick-Disconnect from nozzle assemblies.

Step 7: Run pump until it is running clean out of each nozzle.

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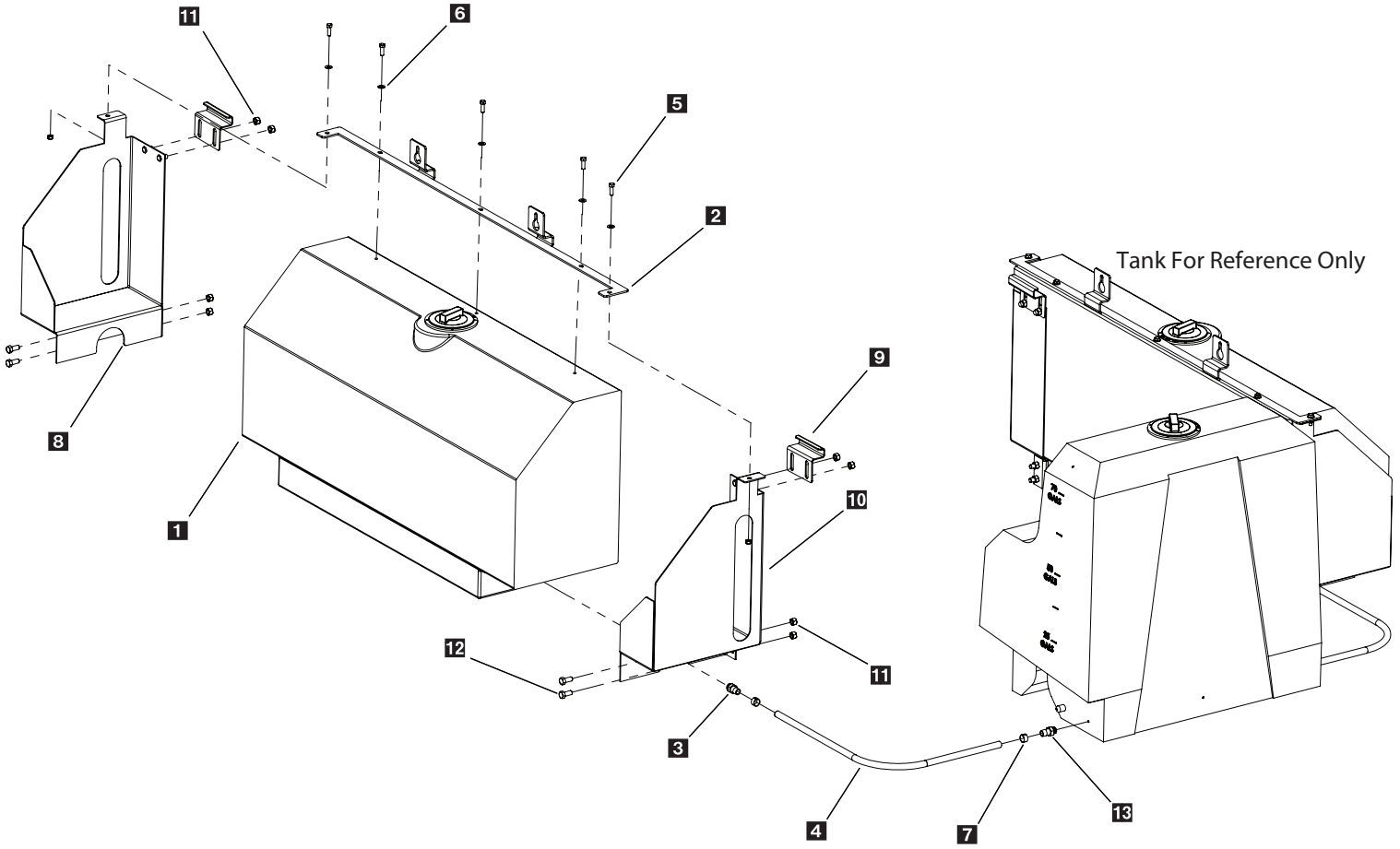
Saddle Tank Dual Configuration

Model # PWS-225



Key	Part No.	Description	Qty.
1	D 6970	75 Gallon Saddle Tank	2
2	D 6993	Tank Mounting Bracket	2
3	D 6967	1" Straight Barb	2
4	D 6968	8' Long x 1" PVC Hose	1
5	D 6978	3/8-16 x 3/4 HHCS SS	10
6	D 4313	3/8 Flat Washer	10
7	D 6963	1" Hose Clamp	4
8	D 6991	Tank Bracket Left	2
9	D 5315	Frame Bracket	4
10	D 6992	Tank Bracket Right	2
11	D 5535	1/2-13 Serrated Flange Nut	8
12	D 6528	1/2-13 x 1" Hex Bolt	8
13	D 6954	1" X 3/4 NPT Hose Barb	2

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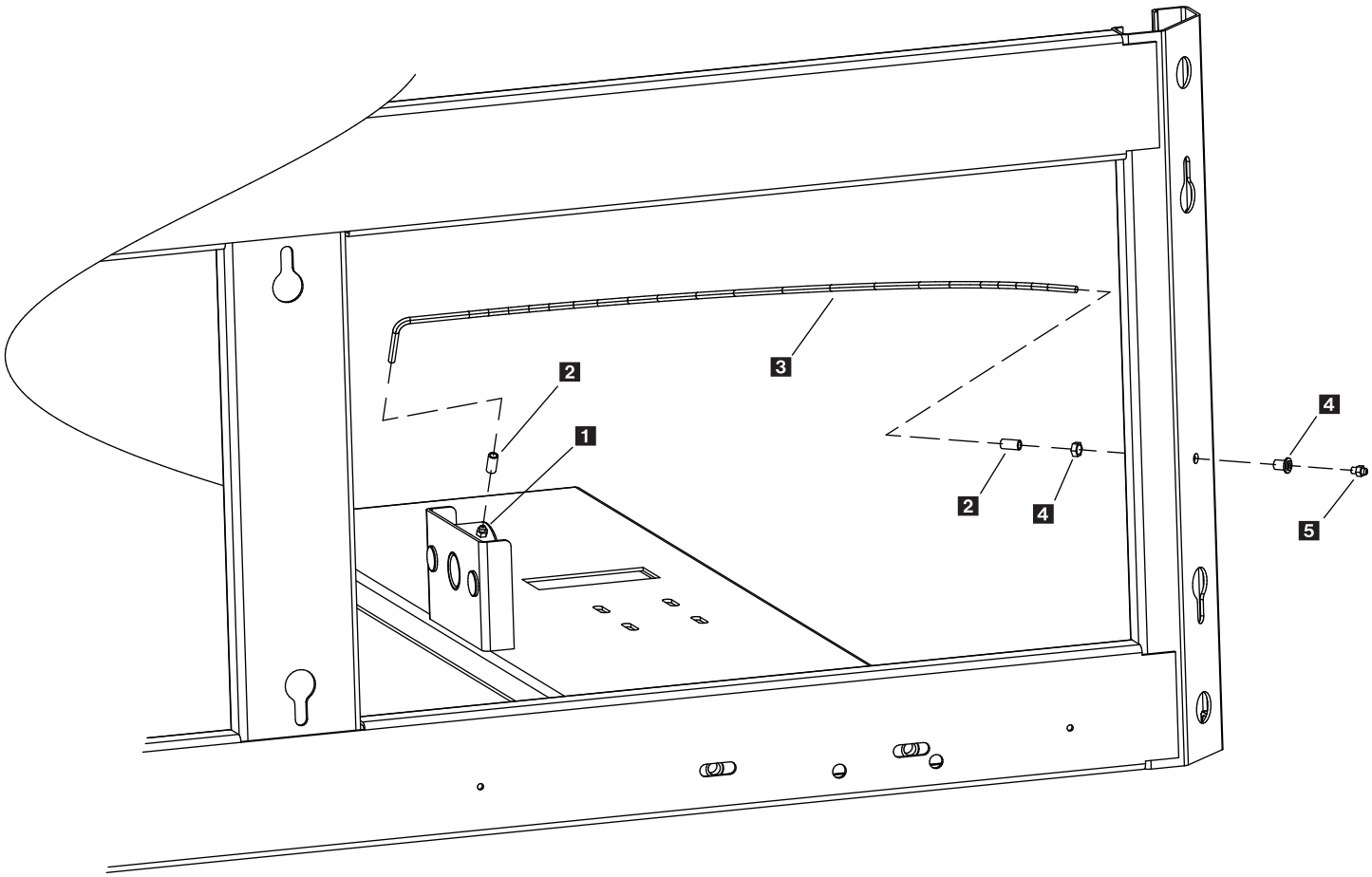
Zerk Extension Kit Instructions

Model # PWS-175/PWS-225

Step 1: Install 1/8" brass fitting with jam nut into hole provided on corner post. Install 1/8" brass zerk fitting into assembly.

Step 2: Install compression fitting onto bearing and onto corner post zerk assembly.

Step 3: Attach hose to bearing and route to corner post. Cut hose to length and complete connection.



Key	Part No.	Description	Qty.
1	D 6985	1/4-28 x 1/8" Female Adapter	1
2	D 6984	1/4" x 1/8" Straight Compression Fitting	2
3	D 6986	1/4 " Nylon Tubing (4 feet total)	1
4	D 6982	1/8 " Brass Bulkhead Fitting With Jam Nut	1
5	D 6983	1/8 " Grease Fitting	1

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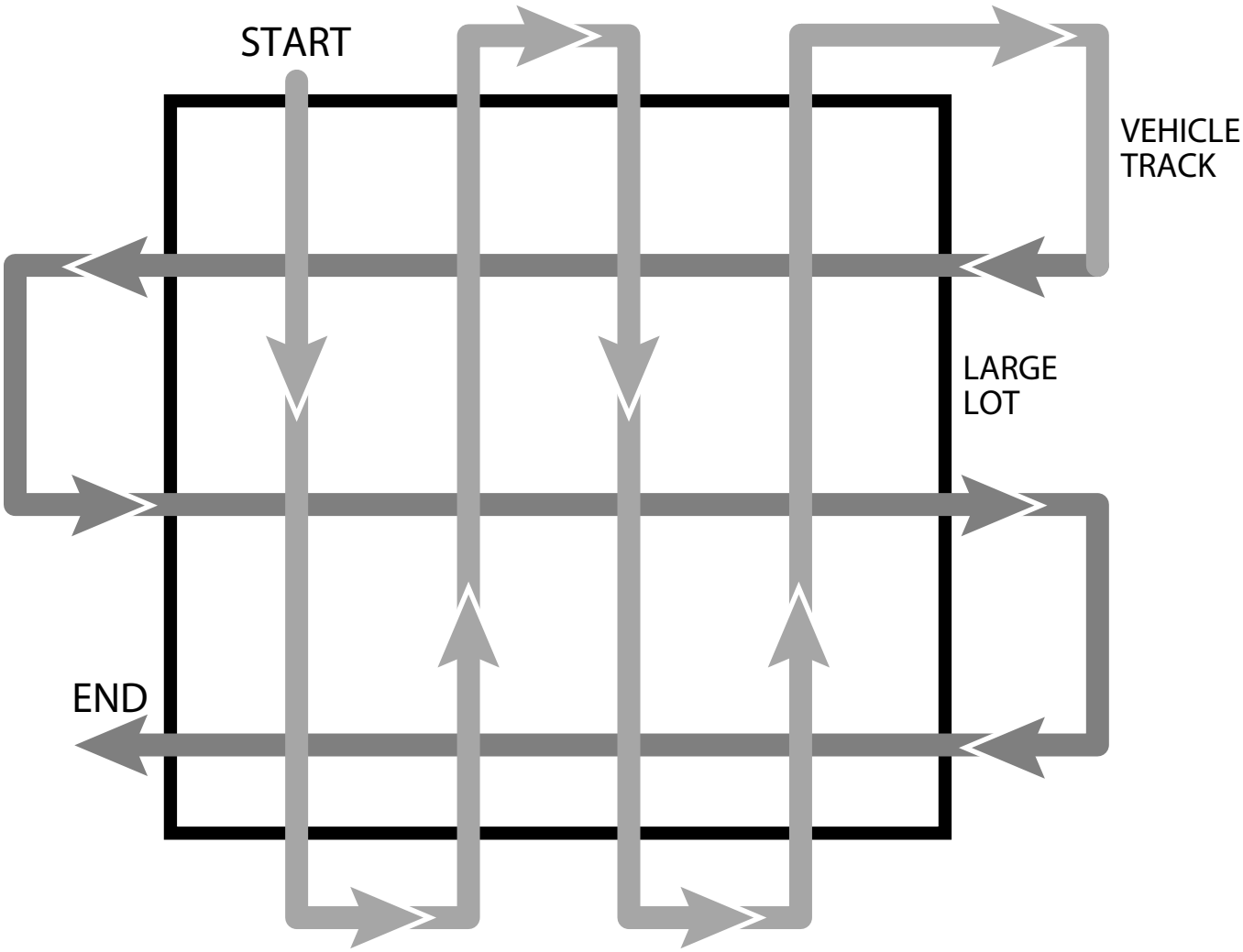
De-Icing Examples

Large Lot



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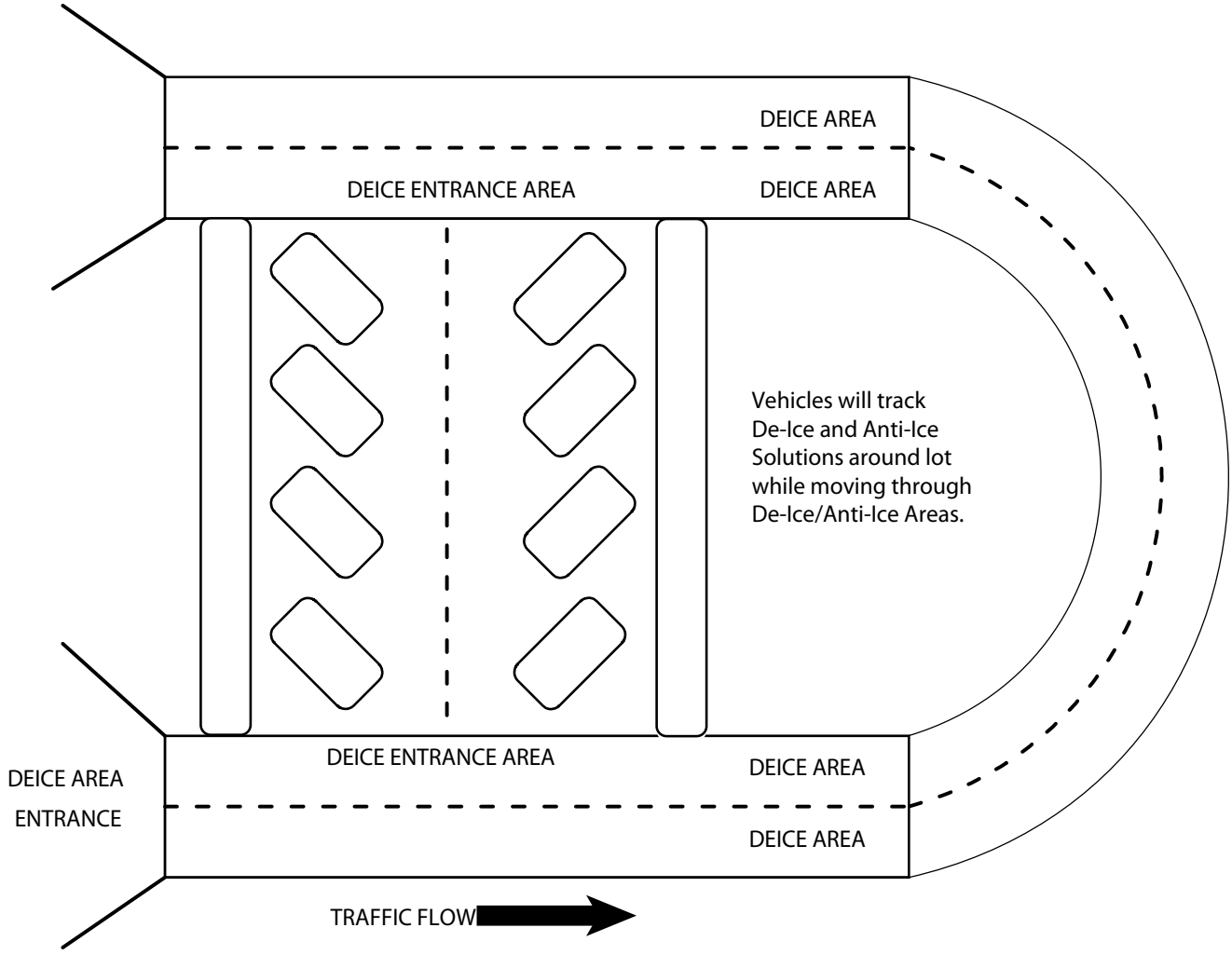
De-Icing Examples

Strip Mall Lot



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Troubleshooting

Model # PWS-175/PWS-225

Whenever service is necessary, your local SnowEx Dealer knows your Sprayer best. Take your Sprayer to your local dealer for any maintenance or service needs on your unit. If this is not possible, the Troubleshooting Guide below may assist you in identifying the problem.

Warning: First read all warning instructions and safety messages before servicing your Sprayer.

Preliminary Checks

- Be sure all electrical connections are tight and clean.
- Be sure nothing is obstructing the nozzles.

In Cab Pre-wet Error And Warning Codes

All error/warning indications have a one second pause then the flash code repeats.

Control Behavior

. If there is a "motor open" or "over pressure signal" at the power-on cycle, the control will flash a number one warning until the condition is corrected. It will then continue with its normal operation mode. If there is a "motor open" or "over pressure signal" occurs during normal operation, the control on/off lamp will flicker or produce a number 1. Even though the warning is flashing, the system will continue to operate uninterrupted.

Error Codes (All of these will cause the control to stop.)

. At power on:
  > Low Battery ---------- 5 Flashes
  > Motor Short ---------- 4 Flashes

. During Operation
  > Overload ---------- 3 Flashes
  > Over Temp ---------- 2 Flashes

PROBLEM	POSSIBLE CAUSE	SOLUTION
Pump doesn't run.	Loose electrical connections.	Check all connections.
	Blown Fuse.	Replace fuse.
	Pump Seized.	Replace pump.
Controller shut down.	Poor electrical connections.	Clean or replace connectors. Use dielectric grease.
	Electrical short.	Check electrical connections. Check for bare wires.
	Controller failure.	Replace controller.
Liquid not spraying.	Empty tank.	Fill tank.
	Full strainer.	Clean or replace element.
	Pump not running.	Refer to Problem 1.
	Obstructed nozzle.	Remove and clean.

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Limited Warranty

Snowex products are warranted for a period of two years from the date of purchase against defects in material or workmanship under normal use and service, subject to limitations detailed below. Warranty period of two years begins on the date of purchase by the original retail user.

The WARRANTY REGISTRATION CARD must be returned to the manufacturer for this warranty to become effective. This warranty applies to the original retail purchaser only. This warranty does not cover damages caused by improper installation, misuse, lack of proper maintenance, alterations or repairs made by anyone other than authorized Snowex dealers or Snowex personnel. Due to the corrosive properties of the materials dispensed by spreaders, Trynex does not warrant against damage caused by corrosion. Warranty claims by the user must be made to the dealer from where the product was purchased, unless otherwise authorized by Snowex. Snowex reserves the right to determine if any part is defective and to repair or replace such parts as it elects. This warranty does not cover shipping costs of defective parts to or from the dealer.

LIMITATION OF LIABILITY

Neither Snowex, nor any company affiliated with it, makes any warranties, representations for promise as to the performance or quality other than what is herein contained. The liability of Snowex to the purchaser for damages arising out of the manufacture, sale, delivery, use or resale of this spreader shall be limited to and shall not exceed the costs of repair or replacement of defective parts. Snowex shall not be liable for loss of use, inconvenience or any other incidental, indirect or consequential damages, so the above limitations on incidental or consequential damages may not apply to you.

NO DEALER HAS AUTHORITY TO MAKE ANY REPRESENTATION OR PROMISE ON BEHALF OF SNOWEX, OR TO ALTER OR MODIFY THE TERMS OR LIMITATIONS OF THIS WARRANTY IN ANY WAY.

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Warranty Registration and Customer Survey

To initiate the warranty on your new SnowEx spreader and assure prompt warranty service, please complete the following warranty registration and customer survey, sign and mail it back to the factory within 30 days of purchase.

1) Date of Purchase: _____

2) Name: _____

Address: _____

_____

Phone: _____

3) SnowEx Model Purchased: _____ Serial Number: _____

4) Is this your first SnowEx sprayer? ❑ Yes ❑ No

5) What type of vehicle are you using with your sprayer?

Make _____ Model _____ Year _____

6) What type of material are you using in your sprayer? _____

7) SnowEx Dealer Name: _____

SnowEx Dealer Address: _____

_____

SnowEx Dealer Phone: _____

8) Does your Trynex Dealer stock Trynex replacement Parts? ❑ Yes ❑ No ❑ I don't know

9) Do you feel your Trynex Dealer sold you the correct product for your needs/application? ❑ Yes ❑ No

10) How would you rate your overall satisfaction with your SnowEx Dealer?	❑ Very Satisfied	❑ Satisfied	❑ Somewhat Satisfied	❑ Somewhat Dissatisfied	❑ Dissatisfied	❑ Very Dissatisfied
11) How would you rate your overall satisfaction with your SnowEx Product?	❑ Very Satisfied	❑ Satisfied	❑ Somewhat Satisfied	❑ Somewhat Dissatisfied	❑ Dissatisfied	❑ Very Dissatisfied

12) Would you purchase another Trynex Product? ❑ Yes ❑ No

13) If you would like to receive E-Mail ALERTS for new products, bulletins or special promotions please supply address : _____

14) Please use the space below to convey your comments and/or suggestions.

_____

_____

_____

_____

NOTE: I have read the owner's manual and all safety precautions and I understand that this equipment could be dangerous if not operated with care and under the proper conditions.

15) Owner's signature: X _____

PLEASE FOLD AND SEAL WITH TRANSPARENT TAPE BEFORE MAILING.

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