

Owner's Manual
Accu1® Model 9300
All-Fiber Insulation Blowing Machine



Manufactured By:
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Warranty

Accu1Direct / Accu1® products are warranted to be free from defects in workmanship and materials for a period of 5 years from date of purchase.

The following restrictions apply:

- 1) The warranty applies to products in normal use only. The product must be serviced and maintained as described therein.
- 2) If the product fails it will be repaired or replaced at the option of Accu1Direct / Accu1®.
- 3) All shipment / delivery charges are the responsibility of the purchaser.
- 4) Warranty service claims are subject to factory inspection for product defect(s). If during the warranty evaluation it is determined that the machine has been used in any way other than the purpose for which it was designed, Accu1Direct / Accu1® reserves the right to void the warranty.
- 5) All warranty claims must be made within the warranty period. This warranty is non-transferable.
- 6) Note that the warranty does not apply if it has been determined after inspection by Accu1Direct that the product or product part was damaged by accident, misuse, has been tampered with or modified in any way.
- 7) Normal wear items (seals, filters, belts, paddles, and relays) are specifically excluded from warranty unless found to be defective by Accu1Direct/ Accu1®
- 8) Blowers, gear boxes, motors, components, and engines are covered under the warranty of the manufacturers of those products.
- 9) This warranty is exclusive to Accu1® products and shall be in lieu of any other warranty, expressed or implied , which may be available to the purchaser.
- 10) All returned good must be accompanied by a Return Goods Authorization number (RGA). Contact our factory to obtain the RGA number.

Principles of Operation: Accu1[®] 9300 Insulation Blowing Machine

The Accu1[®] 9300 insulation blowing machine moves insulation material to specified areas by:

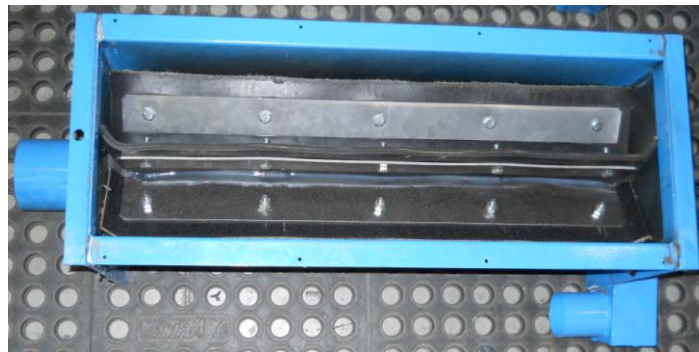
Conditioning insulation materials via agitator / auger shafts so that it can be moved by pressurized air through hoses to the desired uninsulated spaces.

Insulation bales are loaded into the machine hopper. The agitator arms break up the compressed insulation while the auger or shredder moves the material to the air lock opening.



Agitator and Shredder

In the airlock, rotating vanes carry conditioned material to the air stream at the bottom of the airlock. As the insulation passes by the air stream it is pushed through the air lock exhaust tube and into the attached blowing hose. Further conditioning of the material occurs as the insulation tumbles through the blowing hose until it exits the hose end.



Airlock

Maintenance

Check for the following:

Daily:

- 1) Clogged filters (Figure 1, right)

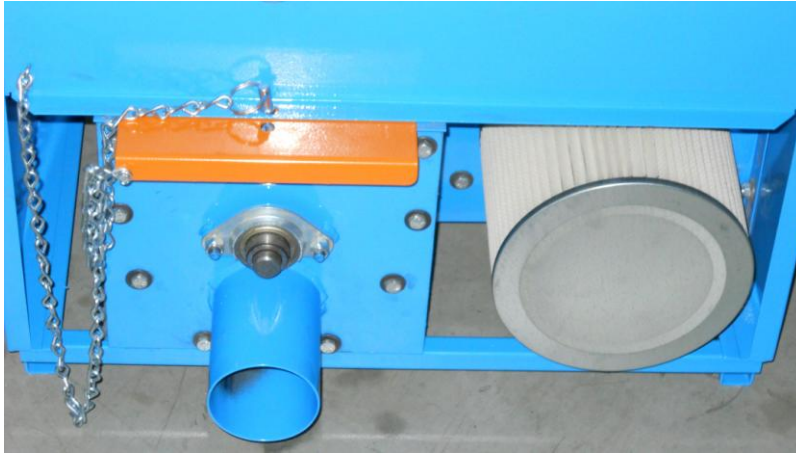


Figure 1

- 2) Insulation build up on motors and electrical components.



Figure 2

Weekly:

1) Belt tension and condition (Figure 2). The belt should not be frayed or slipping on the pulleys. Replace the belt if it is damaged. Raise the belt tensioner to remove any slack in the belt.

Monthly:

1) Airlock seals. Check airlock seals using a pressure gauge. A minimum outlet tube pressure of 3.0 psi must be maintained for proper operation. Replace when pressure drops below the minimum per the instructions in this manual.

2) Chain tension. Move chain tensioner(s) to remove any slack in the chain.

Note: **Do not lubricate chain** (Figure 2). Lubricants may attract foreign materials to the chain and shorten it's life.

Warnings

- 1) Do not attempt to service machine while running.
- 2) Guards and doors must be in place at all times during operation.
- 4) Do not wear loose fitting clothing or jewelry while using this machine.
- 5) Keep hands, and arms out of the hopper (Figure 3) and away from any moving parts.



Figure 3

- 6) Do not leave the machine unattended while running.
- 7) Keep hands and face away from hose end while machine is operating.
- 8) Only trained personnel who have read this manual should be authorized to operate this machine.
- 9) Do not use objects to push material in the hopper.
- 10) Keep cutting tools (utility knives for example) away from the hopper opening to avoid having these items fall into the hopper and damage the machine.

Operating Instructions

1) Starting the Accu1[®] 9300:

- Plug the (2) 9300 power inlets (Figure 3, black cords) into (2) dedicated 15 amp, 120 volt, grounded circuits using 10/3 AWG cords.



Figure 3

(Note: When using generators, make sure they are commercial grade and and have a minimum wattage of 7500 watts).

- Attach hardwired remote to 9300 remote inlet (Figure 4, orange cord) machine using remote cord. Make sure the remote switch is in the "Off" position.



Figure 4

- Emergency Stop should be in the "Off" (out) position (Figure 5, red switch).



Figure 5

- Open Slide Gate to the appropriate position and secure with pin (Figure 6).
- Depress Start Switch (Figure 5, green) and release. The control circuit and remote are now actuated .
- Set remote switch to "On" for air & material and "Blower Only" for just air.

2) Hoses:

- Attach 3" x 50' hose to the Airlock Exhaust Pipe (Figure 6, left) using a hose clamp. Attach additional hose as required using the appropriate connectors / reducers using hose clamps.

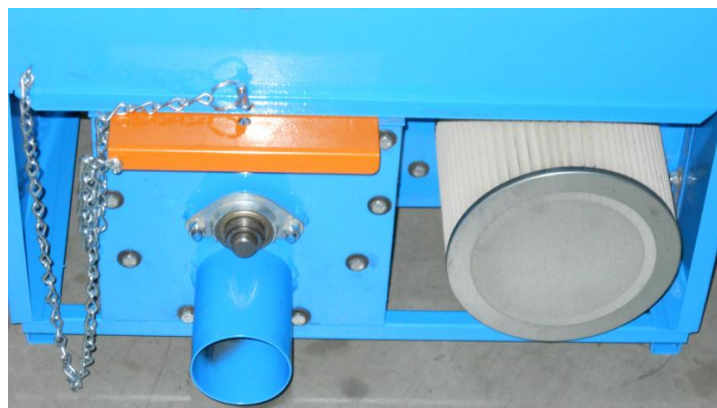


Figure 6

2) Stopping:

- Close the slide gate.
- Set the remote switch to "Blower Only" or "Air" depending on the remote until the hose is clear.
- Turn remote to the "Off" position.
- Push Stop Switch (red). Note: This switch must be pulled out for the controls to function.

3) Override Switch (use only when control circuit has failed):

- Flip up protective cover (Figure 5).
- Actuate toggle switch. Red Indicator Light, blower, and agitator motor should come on. Remote will not affect the function of the override switch.
- To Stop: flip toggle or protective cover down.

Machine Settings

Open Blow:

Slide gate fully open.

Air Speed: 8 - 10

Hose: 3"x 50' blowing hose all the way to the attic.

Wall Spray (all fibers):

Set slide gate open to 7"(10th hole).

Air Speed: 6

Hose: 3"x 50' to 3'x50' to 2.5"x50' to spray nozzle.

Dense Packing:

Set slide gate open to 3" (4th hole).

Air Speed: 6 (3.0 psi minimum)

Hose: 3"x 50' to 2.5"x50' to 2"x50' to reducer to wall tube.

Note: All the above are suggested settings and may vary depending on operating conditions. For attics and dense packing, reduce feed slide gate opening if clogging occurs. Increase opening to maximize production if material is moving freely. For wall spray, reduce gate opening if material is too dry; increase gate opening if too wet.

Airlock Seal Change Instructions

Regular maintenance on your Accu1[®] blowing and spraying machine will extend the life of the equipment and provide better production. Replace all your seals as soon as a decrease in production occurs (typically when the outlet pressure drops below 3.0 psi). Airlock seal life may vary dramatically because of such factors as the type and quality of the material used (the more abrasive the material; the shorter the life) and damaging objects like knives, hammers, and nails.

Tools required: pipe wrench, flat screw driver, 1/2" and 7/16" sockets, Allen Wrench set, exterior/ clear/silicone window caulk, WD40 or similar penetrant.

To Replace Seals:

- 1) Flip the machine upside down.
- 2) Loosen chain tensioner.



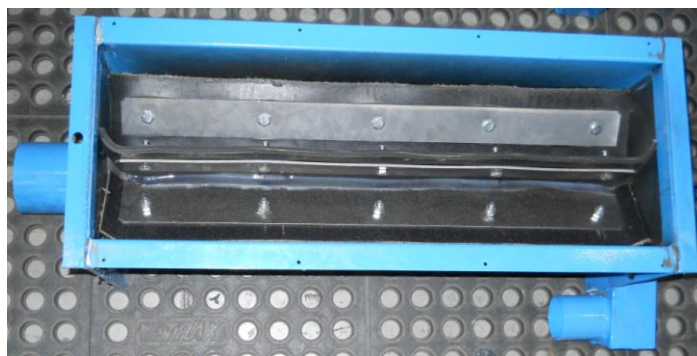
Belt tensioner, airlock sprocket, chain tensioner, and large pulley
Figure 7

- 3) Remove chain.
- 4) Remove sprocket from airlock.



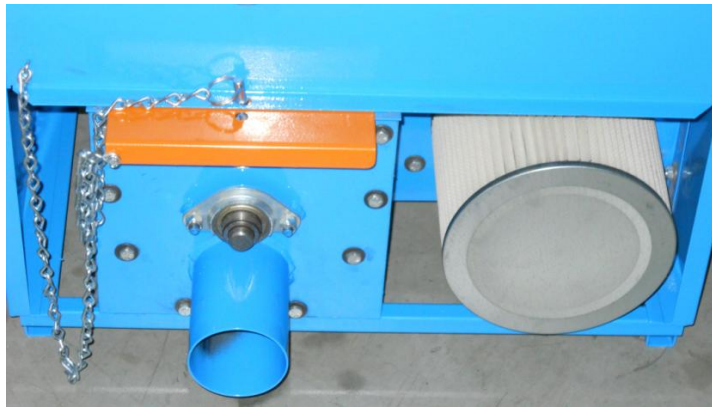
Airlock, blower support bar, and blower connector hose
Figure 8

- 5) Remove the (2) bolts that hold airlock to front of the machine.
- 6) Remove the (8) screws holding the airlock to the bottom of the hopper.
- 7) Remove blower connector hose (black) from airlock inlet located on the square tube behind the airlock sprocket.
- 8) Remove blower support bar and blower and set both aside.
- 9) Use a flat screwdriver to pry the airlock off the 9300 cabinet. There will be silicone caulk bead between the airlock and the hopper.
- 10) Lift up on the back of airlock and remove the airlock from unit setting it on a flat surface.



Airlock shell, front (with 3" tube)plate and back plate, rotor, and seals
Figure 9

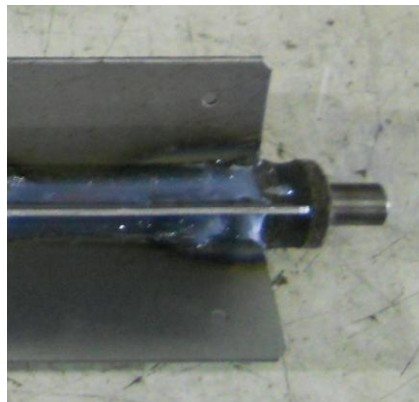
- 11) Remove the rubber seals from the airlock rotor.



Airlock front plate, bearing retainers, bearings, and filter

Figure 10

- 12) Remove the (2) bearing retainers from airlock.
- 13) Loosen the set screws on the bearings and remove the bearings from airlock rotor shaft.
- 14) Remove front plate from airlock.
- 15) Remove rotor and inspect for bent or damaged blades.
- 16) Remove felt washers from the rotor shaft.
- 17) Clean rotor and scrape silicone from airlock plate.
- 18) Slide new felt washers onto rotor applying silicone in between last felt washer and rotor blade.

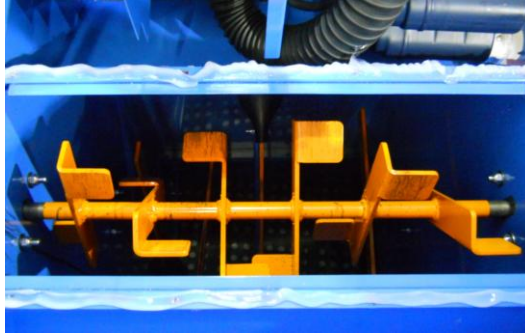


Rotor, felt and foam washers

Figure 11

- 19) Put the rotor back into airlock in reverse order.
- 20) Apply silicone to airlock front plate put plate back onto airlock.
- 21) Replace bearings and retainers on airlock. Note: It's usually a good idea to install new bearings when doing a rotor seal change.
- 22) Align rotor evenly between the front and back airlock plates.
- 23) Tighten bearing set screws. Use Loctite if available.

- 24) Reinstall seals so the thicker side (or side without seams) of the seals touch the airlock shell.
- 25) Apply a thread penetrant like WD40 to the outside of the seals.
- 26) Using a pipe wrench on the sprocket, turn the rotor and seals.
- 27) Use a flat screwdriver to cup seals on edges.



Airlock housing and shredder

Figure 12

- 28) Scrape old silicone off airlock and housing. Reinstall airlock the same way as it was removed.
- 29) Put bolts back and tighten.
- 30) Replace blower support bar and blower and tighten.
- 31) Replace the sprocket and chain and line up chain tighten sprocket and chain and tensioner.
- 32) Flip machine back over making sure everything is tight and secure.
- 33) Be sure to replace agitator paddles if worn will reduce production.

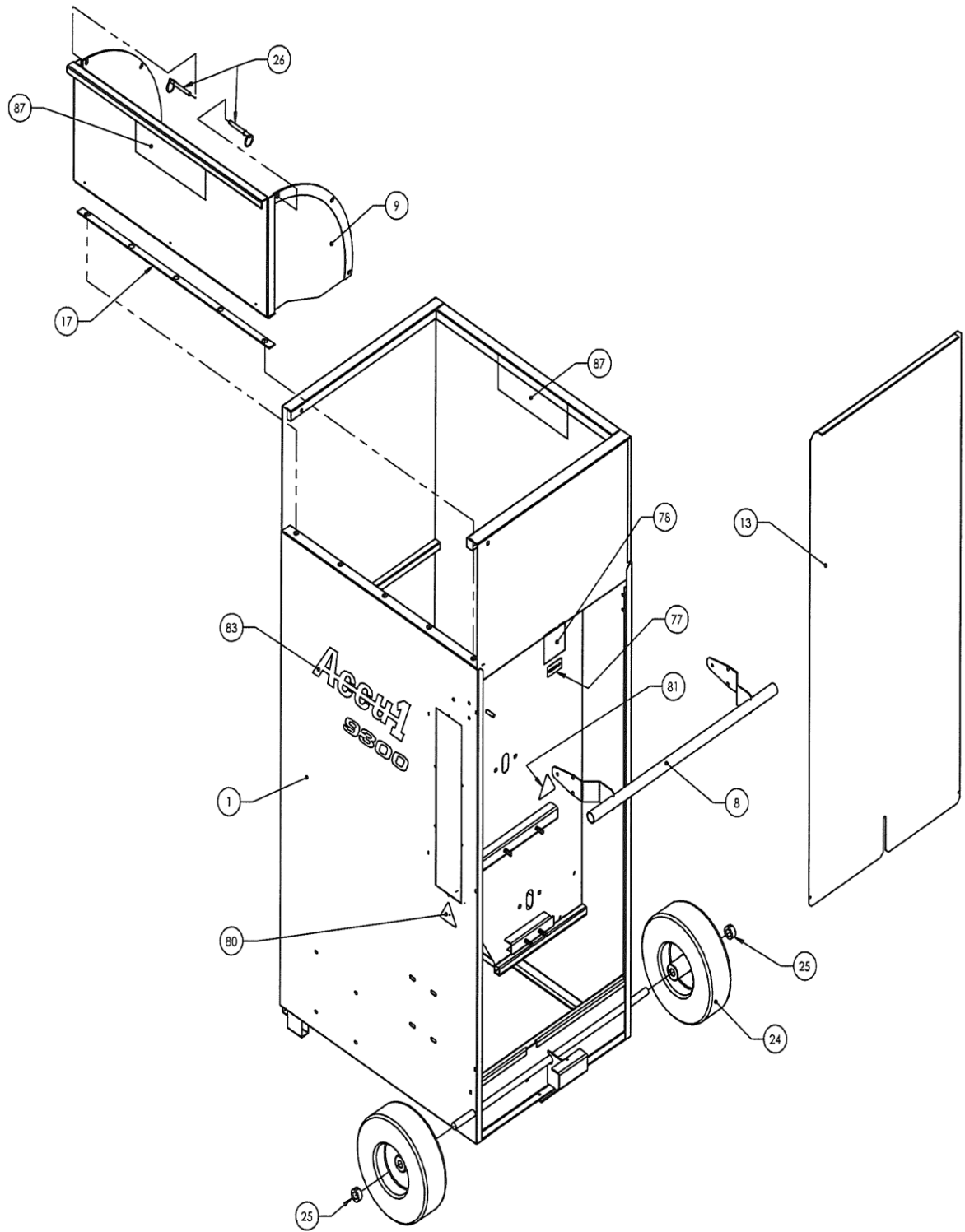
Troubleshooting

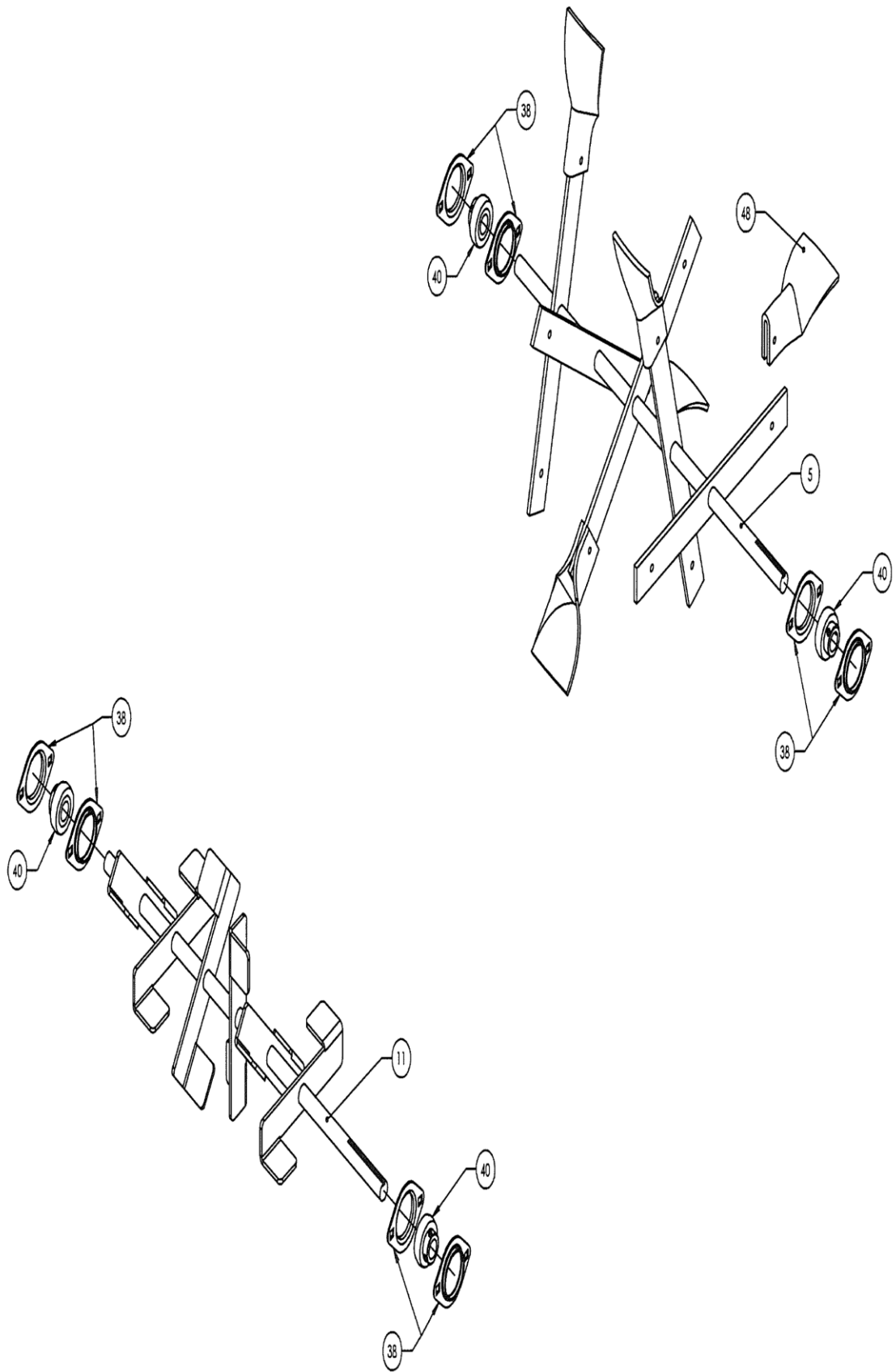
Problem	Cause	Solution
Machine will not run	<ol style="list-style-type: none"> 1) Power cord(s) not plugged in. 2) Faulty power cord. 3) Circuit breakers not reset. 4) Start Switch (green) not depressed. 5) Faulty remote or remote cord. 	<ol style="list-style-type: none"> 1) Plug in cords. 2) Replace or repair power cord. 3) Reset circuit breakers. 4) Depress Start (green) switch. 5) Replace remote or remote cord.
Machine runs without moving material	<ol style="list-style-type: none"> 1) Material slide gate closed. 2) Blowing hose clogged. 3) Blockage between blower and airlock (Machine run without a filter). 	<ol style="list-style-type: none"> 1) Open gate to proper setting. 2a) Remove hose clog. 2b) Reduce material feed. 3a) Remove blockage between airlock and blower . 3b) Make sure filter is in place.
Low Air Flow	<ol style="list-style-type: none"> 1) Clogged Filter. 2) Hose too long. 3) Blower Control dial set too low. 4) Air leak into hopper (blowback). 5) Hose between blower and airlock damaged. 	<ol style="list-style-type: none"> 1) Replace filter. 2) Shorten hose length. 3) Increase Blower Control setting. 4) Replace airlock seals. 5) Replace hose between blower and airlock.
Remote will not operate	<ol style="list-style-type: none"> 1) Start Switch not depressed. 2) Remote cord not plugged in. 3) Faulty remote or remote cord. 4) Transformer failure. 	<ol style="list-style-type: none"> 1) Depress Start Switch (green). 2) Plug in remote cord. 3) Replace remote cord. 4) Replace transformer.
Blower runs, but augers do not	<ol style="list-style-type: none"> 1) Drive Motor thermal breaker tripped. 2) Obstruction in hopper or airlock. 3) Drive belt slipping. 4) Faulty auger relay. 	<ol style="list-style-type: none"> 1a) Use 10/3 AWG power cords. 1b) Reset breaker when motor is cool. 2 & 3a) Remove obstruction in hopper or airlock. 3b) Replace drive belt. 4) Replace relay.
Augers turn, blowers don't run	<ol style="list-style-type: none"> 1) Faulty speed control. 2) Faulty blower relay. 	<ol style="list-style-type: none"> 1) Replace speed control. 2) Replace relay.

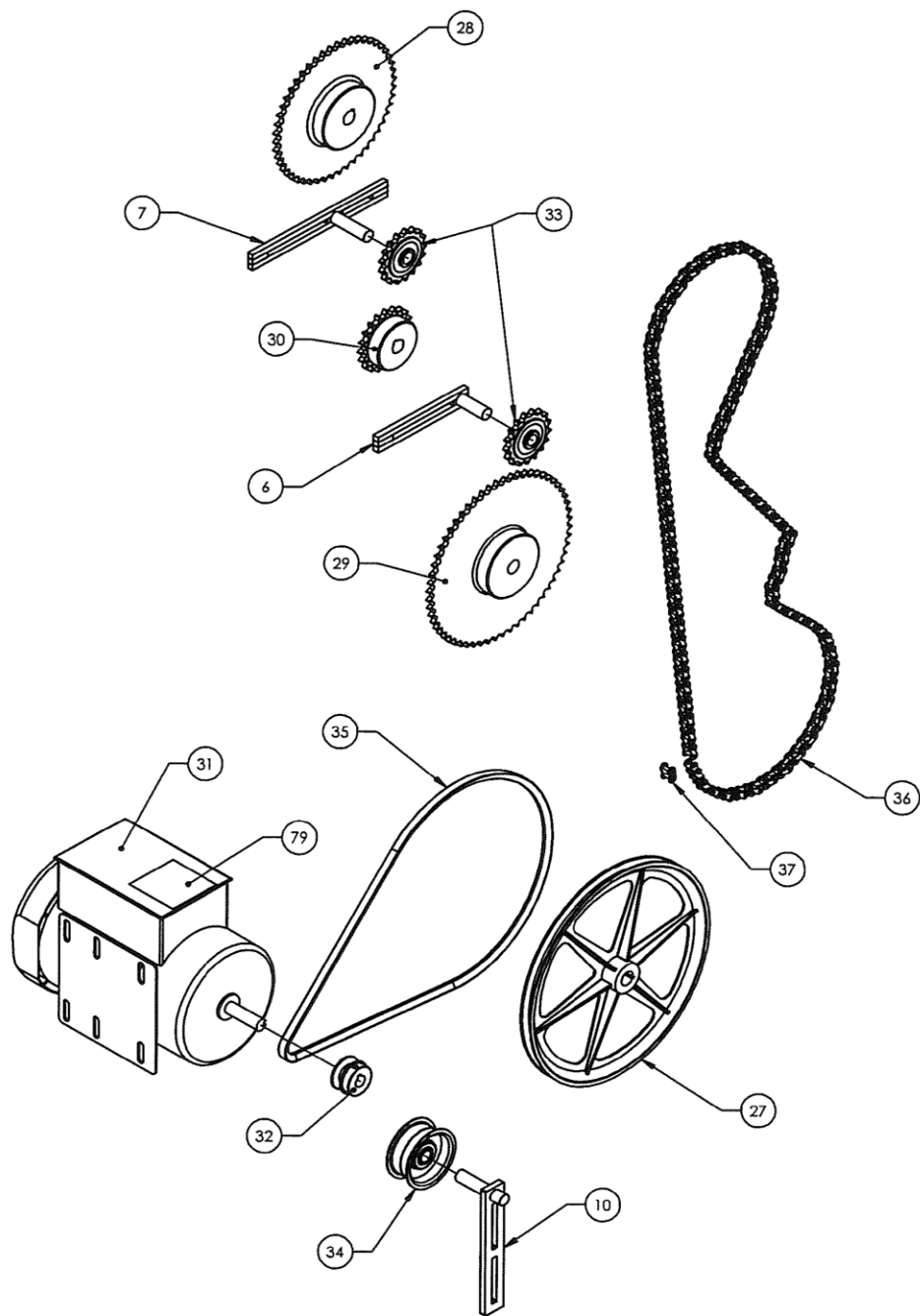
Exploded Views / Parts

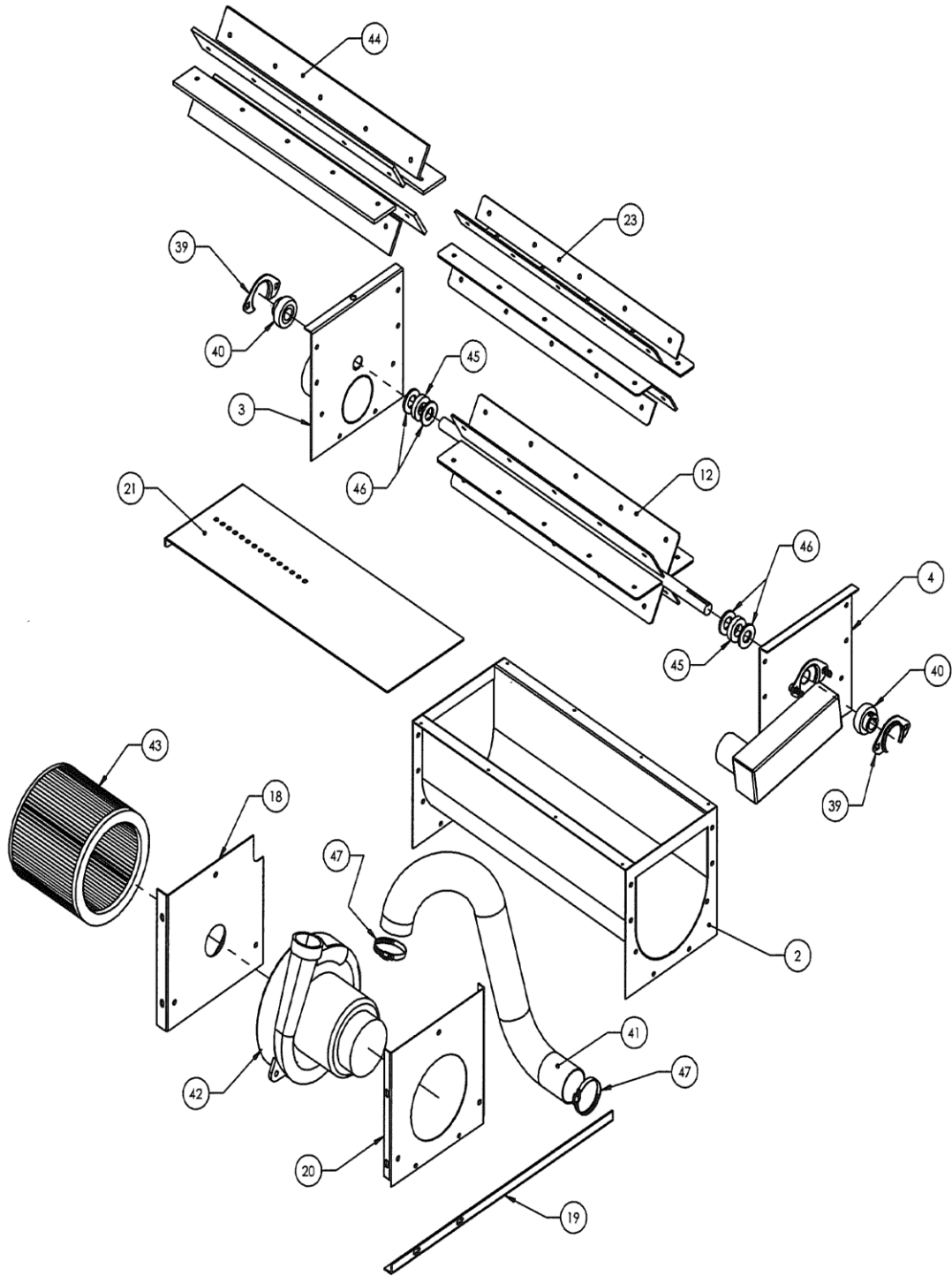
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	9300	9300 HOPPER SHELL	1
2	9301	AIRLOCK	1
3	9302	AIRLOCK END PLATE, DISCHARGE	1
4	9303	AIRLOCK END PLATE, BLOWER SIDE	1
5	9304	PADDLE AGITATOR	1
6	FA4106	CHAIN TENSIONER,	1
7	FA4009-L2	CHAIN TENSIONER,	1
8	9305	HANDLE/CORD WRAP	1
9	9306	MATERIAL DOOR	1
10	9307	7.5" TENSIONER	1
11	9308	SHREDDER	1
12	9309	AIRLOCK ROTOR	1
13	9310	ACCESS PANEL	1
14	SH0402	REMOTE SWITCH INSERT	1
15	SH0401	REMOTE SWITCH COVER	1
16	9311	BACK PANEL, 9300	1
17	9312	HINGE SPACER	1
18	9313	FILTER MOUNT, 9300	1
19	9314	ANGLE, BLOWER MOUNT	1
20	9315	BLOWER MOUNTING PLATE	1
21	9316	MATERIAL GATE	1
22	SH4017	CONTROL PANEL	1
23	9317	AIRLOCK ROTOR BACKING PLATE	6
24	WH1010	10" PNEUMATIC WHEEL	2
25	NB1505	SHAFT COLLAR	2
26	98485A258	QUICK-RELEASE PIN	2
27	DR2012	12" PULLEY	1
28	DR4050	8" DIAMETER, 50 TOOTH GEAR	1
29	DR4060	9.5" DIAMETER, 60 TOOTH GEAR	1
30	DR4019	20 TOOTH GEAR	1
31	EL1830	1.5HP MOTOR	1
32	DR1002	MOTOR PULLEY	1
33	DR4018	IDLER SPROCKET	2
34	DR1044	IDLER PULLEY	1
35	BL0500	DRIVE BELT	1
36	DR4000	81" CHAIN	1
37	DR4001	MASTER LINK	1
38	SB5002	3/4" BEARING RETAINER	8
39	SB5002-M	3/4" BEARING RETAINER, MODIFIED	2
40	SB5050	3/4" BEARING	6
41	HS4041	2"x29" BLACK HOSE	1
42	EL1997	120V HV 2 STAGE VAC MOTOR	1
43	FL3008	8" FILTER	1
44	BL9300	AIRLOCK SEAL	6

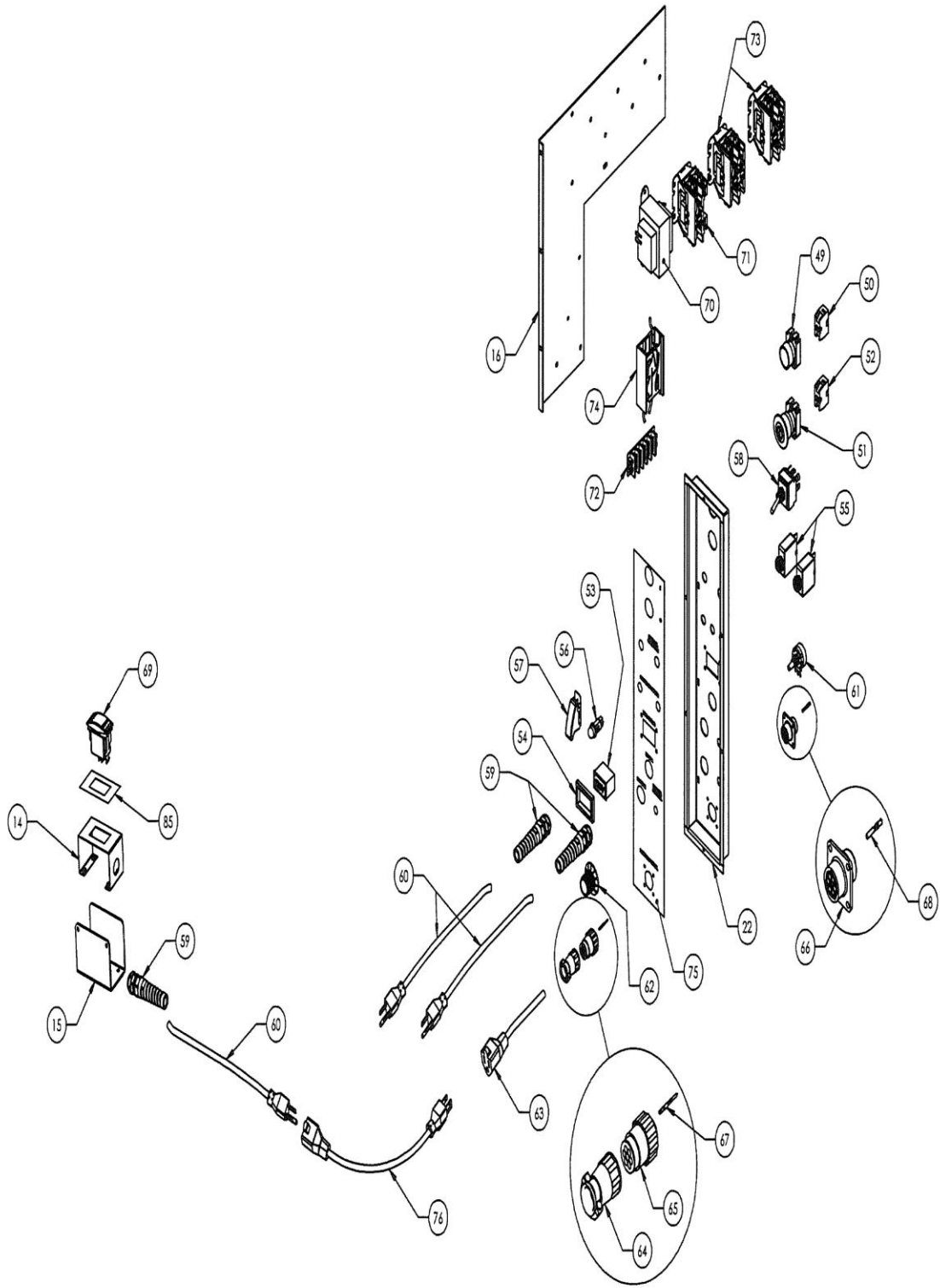
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
45	SB2350	NEOPRENE WASHER	2
46	SB2450	FELT WASHER	4
47	HARHS36	#40 Hose Clamp	2
48	BL3003	AGITATOR PADDLE	5
49	EL1358	GREEN START BUTTON	1
50	EL1359	GREEN BUTTON CONTACT BLOCK	1
51	EL1357	RED STOP BUTTON	1
52	EL1360	STOP BUTTON CONTACT BLOCK	1
53	EL6057	VOLT METER	1
54	EL6056	VOLT METER BEZEL	1
55	EL1004	15 AMP CIRCUIT BREAKER	2
56	EL1115	220V RED INDICATOR LIGHT	1
57	100136	SWITCH GUARD	1
58	EL1349	PANEL OVER-RIDE SWITCH	1
59	100005	14G STRAIN RELIEF	3
60	EL2208	POWER CORD	3
61	EL2204	250K RHEOSTAT, BLOWER CONTROL	1
62	EL2206	BLOWER CONTROL KNOB (0-10)	1
63	EL2209	REMOTE CORD	1
64	EL1212	CABLE CLAMP 13	1
65	EL1209	MALE PLUG, 7 PIN	1
66	EL1210	REMALE RECEPTACLE, 7 PIN	1
67	EL1211	MALE PIN, 18-14 AWG	3
68	EL1213	FEMALE PIN, 18-14 AWG	3
69	EL1010	ROCKER SWITCH, SPST	1
70	EL2303	TRANSFORMER, 120/208/240V, 50V	1
71	EL2334	COMPACT CONTACTOR; 24V, 20A	1
72	EL1116	TERMINAL BLOCK, 5 POSITION	1
73	EL2333	COMPACT CONTACTOR	2
74	100027	SPEED CONTROL RELAY	1
75	100012	CONTROL PANEL OVERLAY	1
76	WR2025	100' REMOTE CORD	1
77	DC1010	SERIAL NUMBER TAG	1
78	100007	"IMC" DECAL	1
79	100008	MOTOR RESET DECAL	1
80	100016	"LIGHTNING BOLT" DECAL	1
81	100017	"HAND IN CHAIN" DECAL	1
82	100018	"HAND IN BELT" DECAL	1
83	100021	9300 LOGO	1
84	100102	WEB LOGO	1
85	100126	REMOTE SWITCH DECAL	1
86	100132	REMOTE START WARNING DECAL	1
87	100133	"KEEP HANDS CLEAR" DECAL	2











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9300

PART NUMBER: 100102

PART NUMBER: 100021



PART NUMBER: 100008



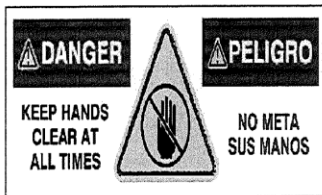
PART NUMBER: 100007



PART NUMBER: 100126



PART NUMBER: DC1010



PART NUMBER: 100133



PART NUMBER: 100016



PART NUMBER: 100017



PART NUMBER: 100018



PART NUMBER: 100132

