

Snowforce Trouble Shooting Guide

Problem: Snow Force is plugged in, yet flock not coming out of Blizzard gun.

<i>Likely Cause</i>	<i>Remedy</i>
<i>Power cord connection is loose.</i>	<i>Ensure appropriate power cord connection at electricity source and on machine.</i>
<i>Remote cord is not properly inserted into the machine.</i>	<i>Be sure the remote cord to on/off switch is oriented into the machine properly and twisted to "lock" position. Image 1</i>
<i>Power Cord gauge is too small for the length of power cord being used.</i>	<i>Obtain a thicker gauge power cord (recommended to use a 12/3 power cord).</i>
	<i>Use a shorter length power cord to reduce voltage drop.</i>
<i>Circuit breaker at power source has been tripped.</i>	<i>Check the power source to ensure circuit breaker has not been tripped; reset is required.</i>
<i>Material Flow Gate is closed.</i>	<i>Open the Material Flow Gate</i>
<i>System not turned on.</i>	<i>Place the remote in the 'on' mode.</i>
<i>Electrical system may have loose wire</i>	<i>Check connections. Replace Transformer and/or Relay or have the system inspected by a qualified technician. Image 2. See page 4 for details to diagnose.</i>

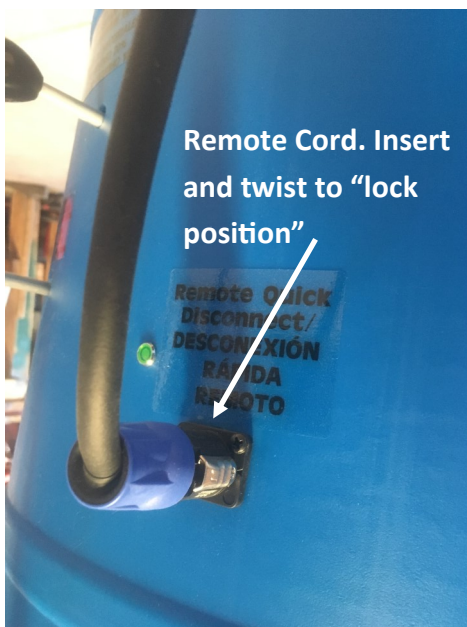


Image 1

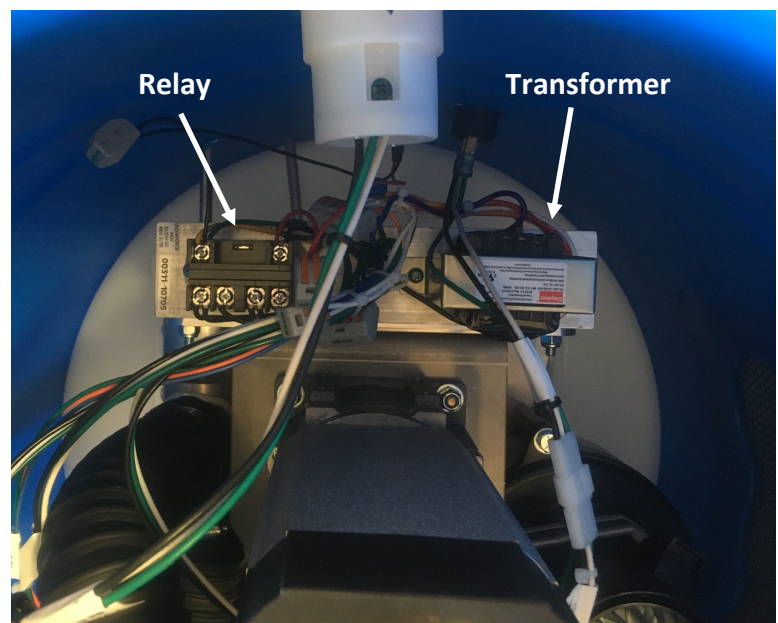


Image 2

Problem: Water flow is less than desired from Blizzard gun

<i>Likely Cause</i>	<i>Remedy</i>
<i>Obstruction in water flow</i>	<i>Check hose inlet filter & remove foreign materials preventing desired water flow. Image 4</i>
	<i>Check Blizzard gun spray tips to remove foreign materials preventing desired water flow. Image 5</i>
	<i>Ensure water hose is not kinked as kink will reduce or prevent water flow.</i>
	<i>Use larger spray nozzles 3502 (gun comes standard with 3501 spray tips) 3502 spray tip output is 2x that of the 3501 tips. Image 6</i>
<i>Damaged Blizzard gun spray tips.</i>	<i>Obtain new Blizzard gun or spray tips if tip is damaged.</i>
<i>Hose not connected to a water source that is flowing.</i>	<i>Ensure water hose is connected and faucet turned on maximum flow .</i>
<i>Garden hose is too long & is restricting pressure.</i>	<i>Obtain a shorter hose and get closer to water outlet.</i>
<i>Blizzard gun valve not in the full 'open' position.</i>	<i>Ensure water valve is fully opened. Image 5</i>



Image 4

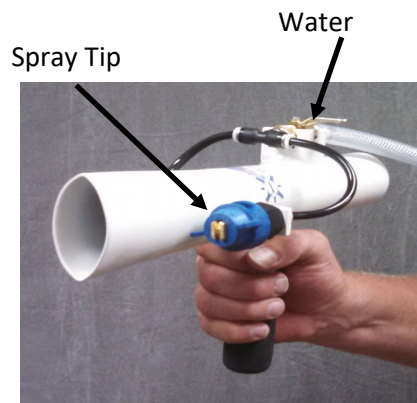


Image 5



Image 6

Problem: Flock is coming out less than desired

Likely Cause	Remedy
Hopper low on flock.	Fill hopper with Flock.
Material Flow Gate is not open wide enough.	Pull the Material Flow Gate setting out to allow for more product flow. Image 3.1
Blower Flow Adjustment reducing air flow	Pull the Blower Flow Adjustment out to increase air flow. Image 3.1
Air filter is not clean or dust inside machine	Clean Air filter on side of machine. Make sure motor compartment is free of dust by blowing inside of machine out. Do not clean with water! Image 3.2

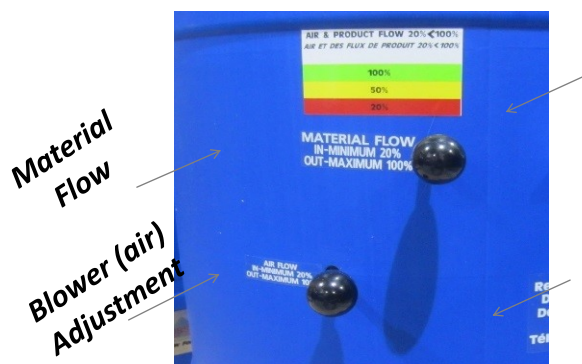


Image 3.1



Image 3.1

Problem: Machine is running, both agitator and blower motor, but no flock is coming out.


Likely Cause	Remedy
Material Flow Gate is closed	Open Material Flow Gate by pulling out on lever. Image 3.1
Clog in material hose	Check material hose for clog
Clog inside machine's airlock. (to much material but not enough blower output)	Open blower control lever to 100% blower force by pulling lever all the way out. Turn on machine. Image 3.1
	Remove material hose and loosen clog inside machine output pipe with rod or stick. Remove tool and turn on machine.
	Turn machine upside down and access the bottom of the machine. Remove coupling from the aluminum outflow pipe on airlock. Loosen clog. See Image 3.3

Image 3.3

Problem: Agitator turns too slow or not at all but Blower motor is running

Likely Cause	Remedy
Object stuck in airlock	Unplug machine, and empty machine of flock. Open material gate and check for foreign objects that may be jammed. Turn airlock backwards (counterclockwise) a short distance and inspect for any further objects that may be jammed.
Rubber paddles are too tight in the airlock	Empty machine of flock. Spray silicon or dry lubricant such as graphite into flock material gate (airlock). Turn on Machine and run empty for 15 minutes.
No power to Agitator motor	Check the Relay located inside the machine on the electrical control panel. Press button on side of relay to bypass on/off switch and see if motor runs. Image 7. If motor runs, check the on/off switch on the gun or replace transformer, Image 2. If motor does not work see more below
Relay has bad connection.	Check electrical connections on relay. For temporary fix, bypass leg of relay by attaching the power supply wire for the Agitator motor on the same leg as the Blower Motor by moving 8 to 4. Replace Relay switch as the temporary fix may overload the relay over time. See Image 8
	Replace Agitator Motor, Image 9

Problem: Blower Motor does not run but Agitator motor is running

Likely Cause	Remedy
Electrical connection to Blower Motor	Turn machine upside down and access the motors by removing the barrel ring. Check connector to blower motor. Blow away any dust and clean connections.
No power to Blower Motor	Press button on side of relay to bypass on/off switch and see if motor works. Image 7. If motor runs, check the on/off switch on the gun or replace transformer, Image 2. if motor does not work see more below.
Relay has bad connection	Check electrical connections on the relay switch. For temporary fix, bypass leg of relay by attaching the power supply wire for the Blower motor on the same leg as the Agitator motor by moving wire from 4 to 8. Replace Relay Switch as the temporary fix may overload the relay over time. See Image 8
	Replace Blower, Image 9

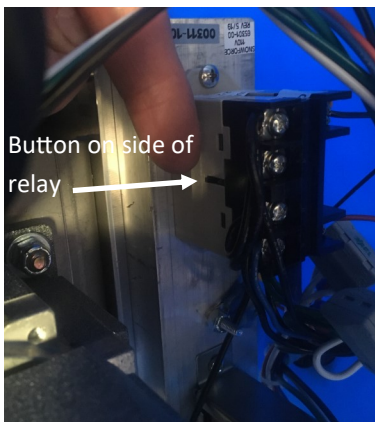


Image 7

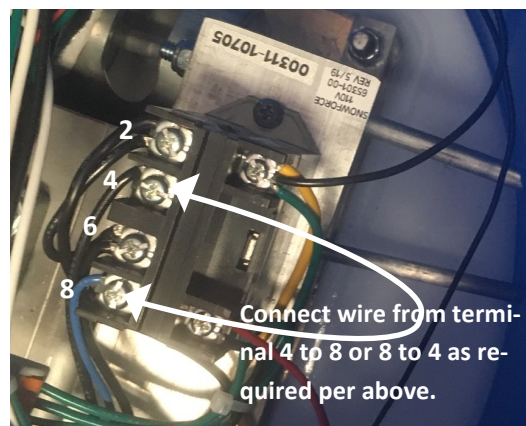


Image 8

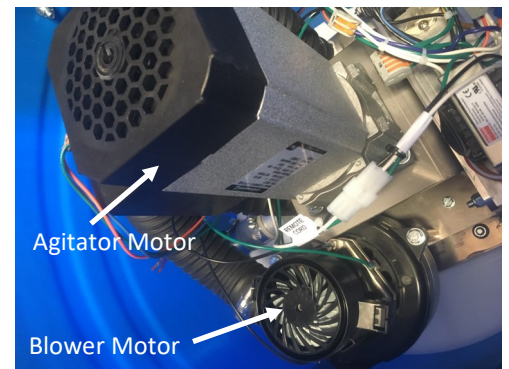


Image 9

Snowforce Machine Maintenance

Daily:

1. Clean air filter regularly. Best cleaned by blowing it out with an air compressor. Do not run machine without air filter. If the filter becomes clogged motors and parts inside can be damaged.
2. Keep away from water such as rain and over spray with water. Water will cause the glue in flock to activate and damage machine. Clean only by blowing or vacuuming machine out with air compressor or vacuum, do not clean inside of machine with water!
3. Clean Flock Gun regularly with warm water. Material left on gun may dry and affect water spray. For tough stuck on gunk, soak gun in warm water overnight.

Storage:

1. Remove any flock from the hopper. Do not store with material inside the machine.
2. Remove any flock from material hose using the blower on the flock machine on full force or using compressed air. Flock left in hoses may dry and damage hose by clogging it.
3. After each season or before storing, make sure to open the motor compartment and thoroughly blow out or vacuum dust from machine removing any foreign particles. Starch or glue in flock may become sticky with moisture from humidity and damage motors.
4. Store in dry place.

Before Flocking each season make sure to test run machine weeks ahead time to make sure machine is working properly. Proper planning will make you rest easily and not be in a panic when you need to begin flocking.