



# Walk-Behind Broadcast Spreader

## SP-85 & SP-85SS

### Owner's Manual and Installation Instructions *Original Instructions*



**▲ CAUTION**

**Read this document before operating or servicing the spreader.**

This document is for SnowEx® SP-85 walk-behind broadcast spreaders with serial numbers beginning with PD-102588 and higher, and SP-85SS walk-behind broadcast spreaders with serial numbers beginning with PE-100800 and higher.

**This document supersedes all editions with an earlier date.**



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## PREFACE

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This manual has been prepared to acquaint you with the safety information, operation, and maintenance of your new walk-behind spreader. Please read this manual carefully and follow all recommendations. This will help ensure profitable and trouble-free operation of your spreader. Keep this manual accessible. It is a handy reference in case minor service is required.

When service is necessary, bring your walk-behind spreader to your distributor. They know your spreader best and are interested in your complete satisfaction.

**Register your spreader online at [www.snowexproducts.com](http://www.snowexproducts.com)**

### OWNER'S INFORMATION

Owner's Name: \_\_\_\_\_

Date Purchased: \_\_\_\_\_

Outlet Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Outlet Address: \_\_\_\_\_

Spreader Type (Model): \_\_\_\_\_ Weight: \_\_\_\_\_ lb/kg

Spreader Serial Number: \_\_\_\_\_

# SAFETY

## SAFETY DEFINITIONS

### **⚠ WARNING**

Indicates a potentially hazardous situation that, if not avoided, could result in death or serious personal injury.

### **⚠ CAUTION**

Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

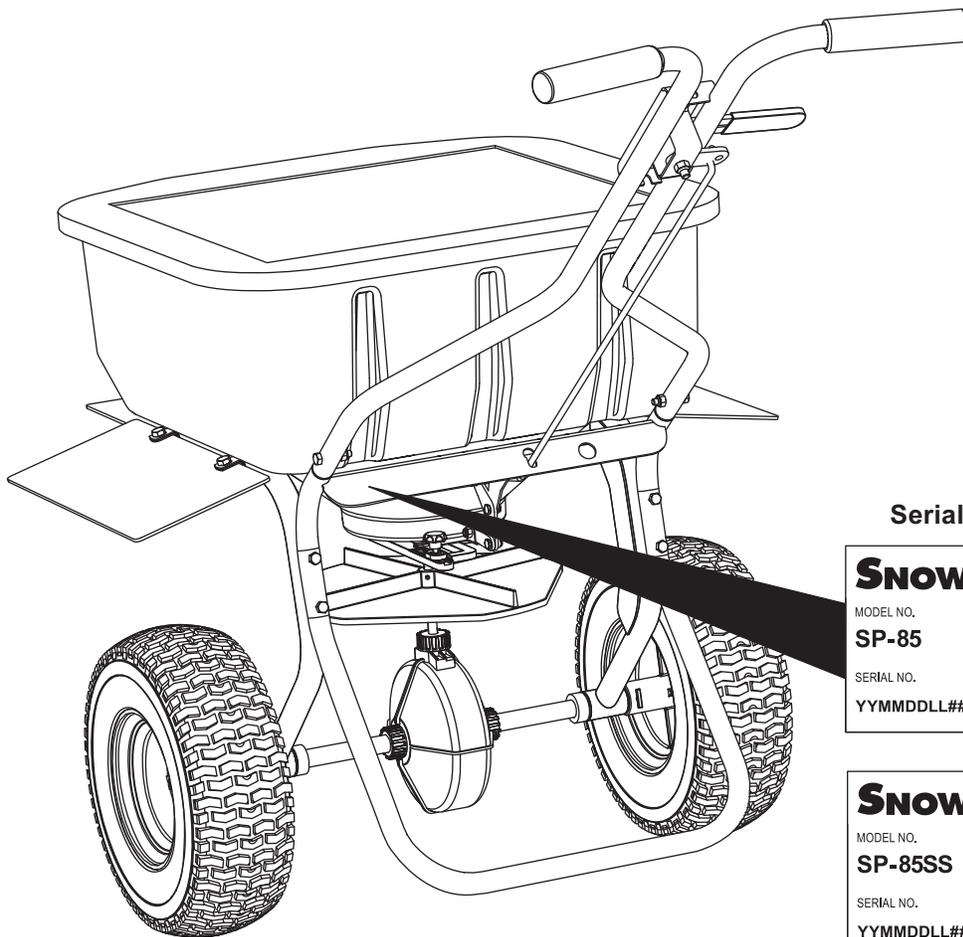
**NOTE:** Indicates a situation or action that can lead to damage to your spreader and vehicle or other property. Other useful information can also be described.

## LABELS

Please become familiar with the labels on the spreader.

**NOTE:** If labels are missing or cannot be read, see your sales outlet.

Code	Definition
YY	2-Digit Year
MM	2-Digit Month
DD	2-Digit Day
LL	2-Digit Location Code
####	4-Digit Sequential Number
SP-85	Model Number
SP-85SS	Model Number



### Serial Number Label

**SNOWEX** www.snowexproducts.com

MODEL NO.  
**SP-85**

SERIAL NO.  
**YYMMDDL#####SP-85**

**CE**  
Max. Capacity 160 lb

or

**SNOWEX** www.snowexproducts.com

MODEL NO.  
**SP-85SS**

SERIAL NO.  
**YYMMDDL#####SP-85SS**

**CE**  
Max. Capacity 160 lb

# SAFETY

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## SAFETY PRECAUTIONS

Improper installation and operation could cause personal injury and/or equipment and property damage. Read and understand labels and this Owner's Manual before assembling, operating, or making adjustments.

### WARNING

- Always make sure personnel are clear of areas of danger when using equipment.
- Before working with the spreader, secure all loose-fitting clothing and unrestrained hair.
- Do not climb into or ride on spreader.
- Never attempt to lift a unit with material in it.
- Always inspect unit for defects and replace any broken, missing, or worn parts immediately.
- Always check areas to be spread to be sure no hazardous conditions or substances are in the area.

### CAUTION

- Do not operate a spreader in need of maintenance.
- Before operating the spreader, reassemble any parts or hardware removed for cleaning or adjusting.
- Before operating the spreader, remove materials such as cleaning rags, brushes, and hand tools from the spreader.
- Never use wet materials or materials with foreign debris with this spreader. This unit is designed to handle dry, clean, free-flowing material.

### CAUTION



DO NOT leave unused material in hopper. Material can freeze or solidify, causing unit to not work properly. Empty and clean after each use.

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**NOTE:** Lubricate grease fittings after each use. Use a good quality multipurpose grease.

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## PERSONAL SAFETY

- Wear only snug-fitting clothing while working on your spreader.
- Do not wear jewelry or a necktie, and secure long hair.
- Wear safety goggles to protect your eyes from dirt and dust.

## NOISE

Airborne noise emission during use is below 70 dB(A) for the spreader operator.

## VIBRATION

Operating spreader vibration does not exceed 2.5 m/s<sup>2</sup> to the hand-arm or 0.5 m/s<sup>2</sup> to the whole body.

# LOADING

## LOADING YOUR SPREADER

### WARNING

Do not overload spreader. Use chart below to calculate weight of material. Weights of material are an average for dry materials.

### WARNING

Never remove spreader from vehicle with material in it as this could cause damage to the frame assembly.

### WARNING

Never leave materials in hopper for long periods of time; salt is hygroscopic, will attract atmospheric moisture and harden up.

### CAUTION



**DO NOT** leave unused material in hopper. Material can freeze or solidify, causing unit to not work properly. Empty and clean after each use.

Capacity: 2 ft<sup>3</sup> hopper

## MATERIAL WEIGHTS

### CAUTION



Read and adhere to manufacturer's ice-control material package labeling including Safety Data Sheet requirements.

Material	Density		
	(lb/ft <sup>3</sup> )	(lb/yd <sup>3</sup> )	(kg/m <sup>3</sup> )
Salt	80	2160	1282
Sand	100	2700	1602

*Material densities are approximate and are based on dry, loose material. It is the responsibility of the operator to know the weight of the material to be spread and the vehicle/spreader carrying capacity.*

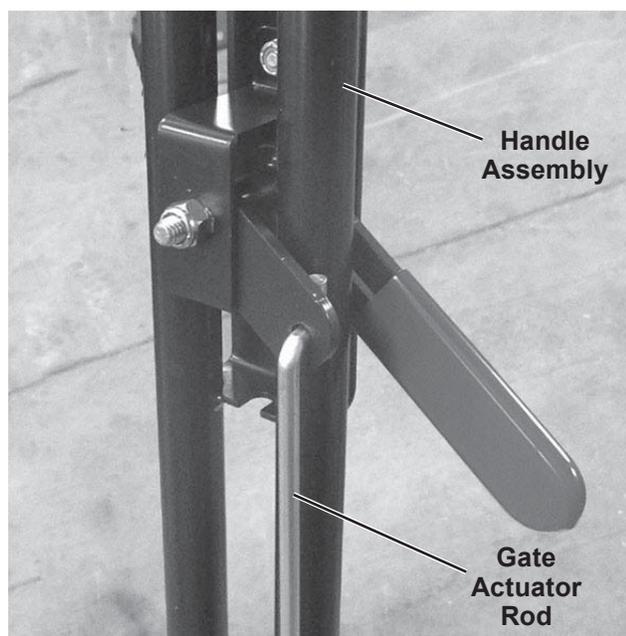
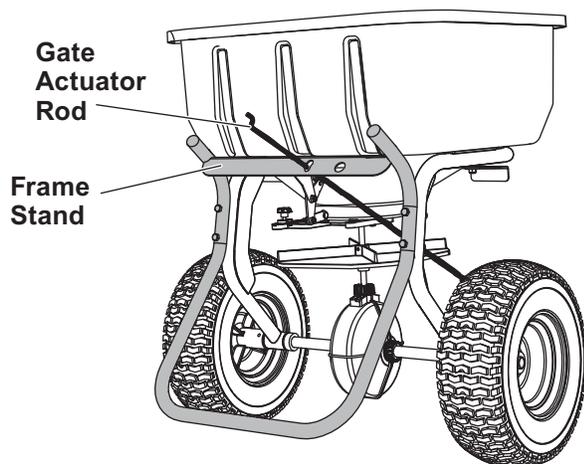
# ASSEMBLY

## ASSEMBLY INSTRUCTIONS

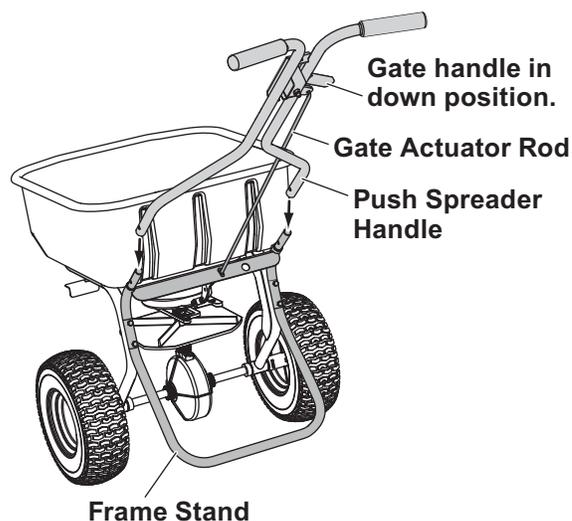
### **⚠ WARNING**

Use safety glasses and gloves when inflating and installing the tires. Use manual pump only to inflate. Refer to the tire sidewall for manufacturer's recommended pressure. Do not exceed the maximum inflation pressure.

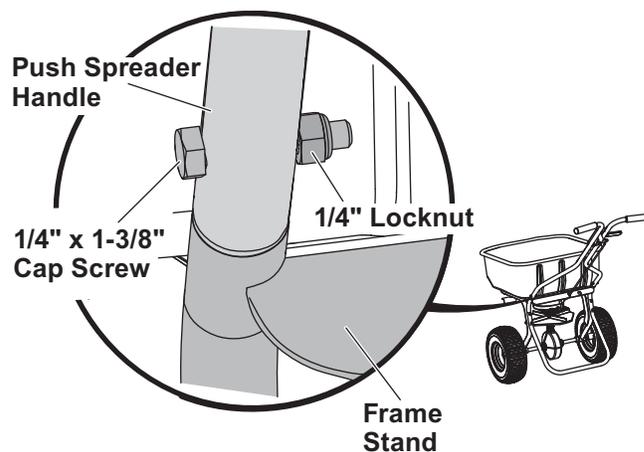
1. The spreader is shipped with tires partially inflated. Using a manual pump, fully inflate the tires to the psi setting shown on the tire sidewall.
2. Slide the gate actuator rod down through the keyhole slot in the frame stand at the rear of the spreader.



3. Attach the gate actuator rod to the push spreader handle assembly.
4. With the gate handle in the down position, slide the push spreader handle assembly onto the frame stand.

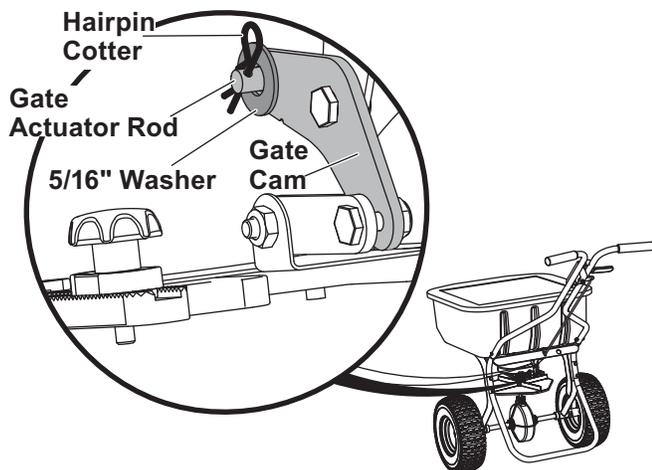


5. Secure the handle assembly with the 1/4" x 1-3/8" cap screws and 1/4" locknuts from the hardware kit.

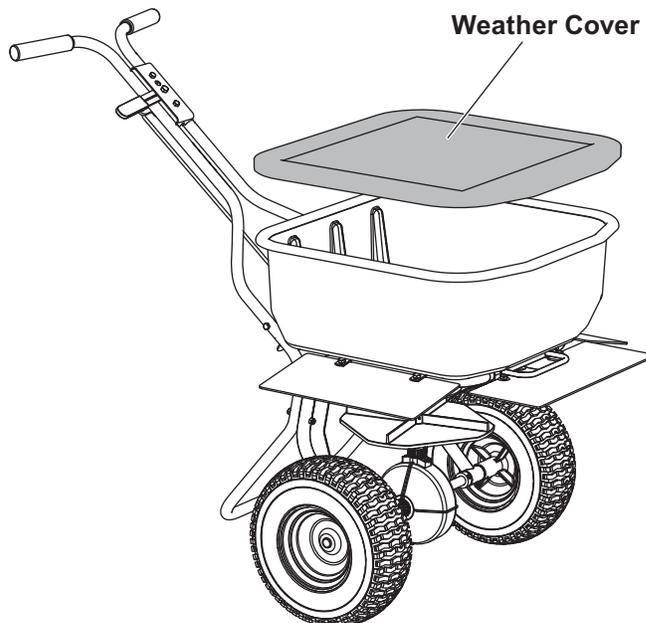


# ASSEMBLY

6. Attach the gate actuator rod to the gate cam. Place a washer over the gate actuator rod and secure with the hairpin cotter.



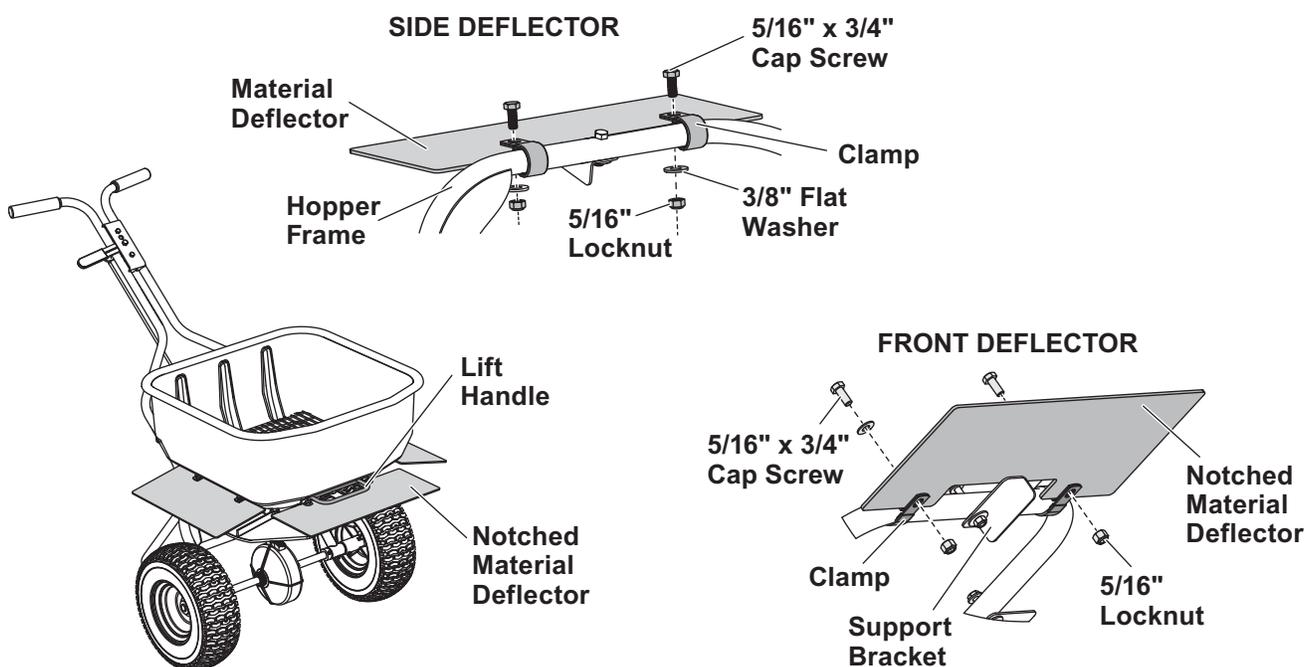
8. Place the weather cover on the hopper.



7. Slip two clamps over the hopper frame on the front and sides of the spreader. Install the material deflectors using the supplied 5/16" x 3/4" cap screws, 3/8" flat washers, and 5/16" locknuts. Verify that the material deflectors sit on top of the deflector support brackets.

9. Tighten all hardware.

**NOTE: Install the notched material deflector to the front of the spreader, beneath the lift handle.**



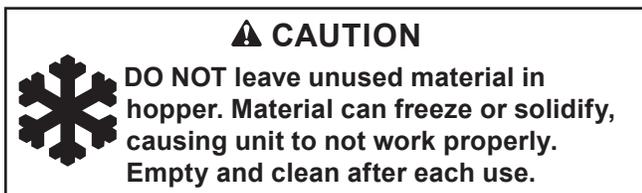
# OPERATING THE SPREADER

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## USING THE SPREADER

Use the gate handle to adjust the amount of material flowing through the gate.

- To increase the material flow lower the gate handle lever.
- To decrease the material flow, raise the gate handle lever.



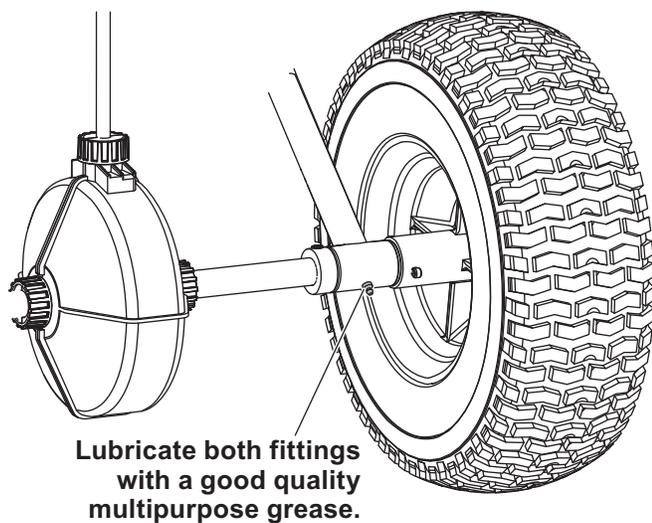
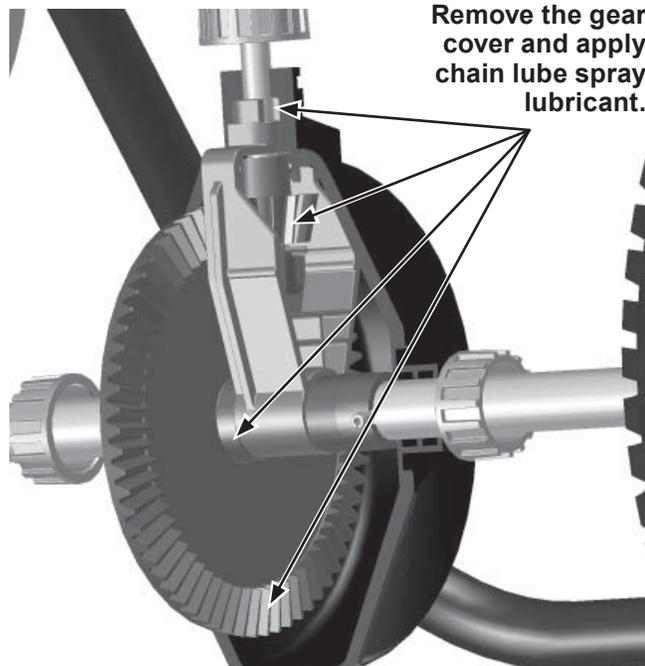
## SPREADING TIPS

- Use care when operating spreader near pedestrians.
- Spread ice melting materials "with the storm" to prevent unmanageable levels of ice from building up.
- For a wider pass, increase walking pace.
- For a heavier pass, walk slower.
- Calculate spread pattern when near vegetation.

# MAINTENANCE

## LUBRICATION

To keep the spreader running smoothly, observe the following recommendations.



**NOTE:** Gears and axles must be lubricated and greased every 20 hours of use.

## STORAGE & MAINTENANCE

### ⚠ WARNING

Never remove spreader from vehicle with material in it as this could cause damage to the frame assembly.

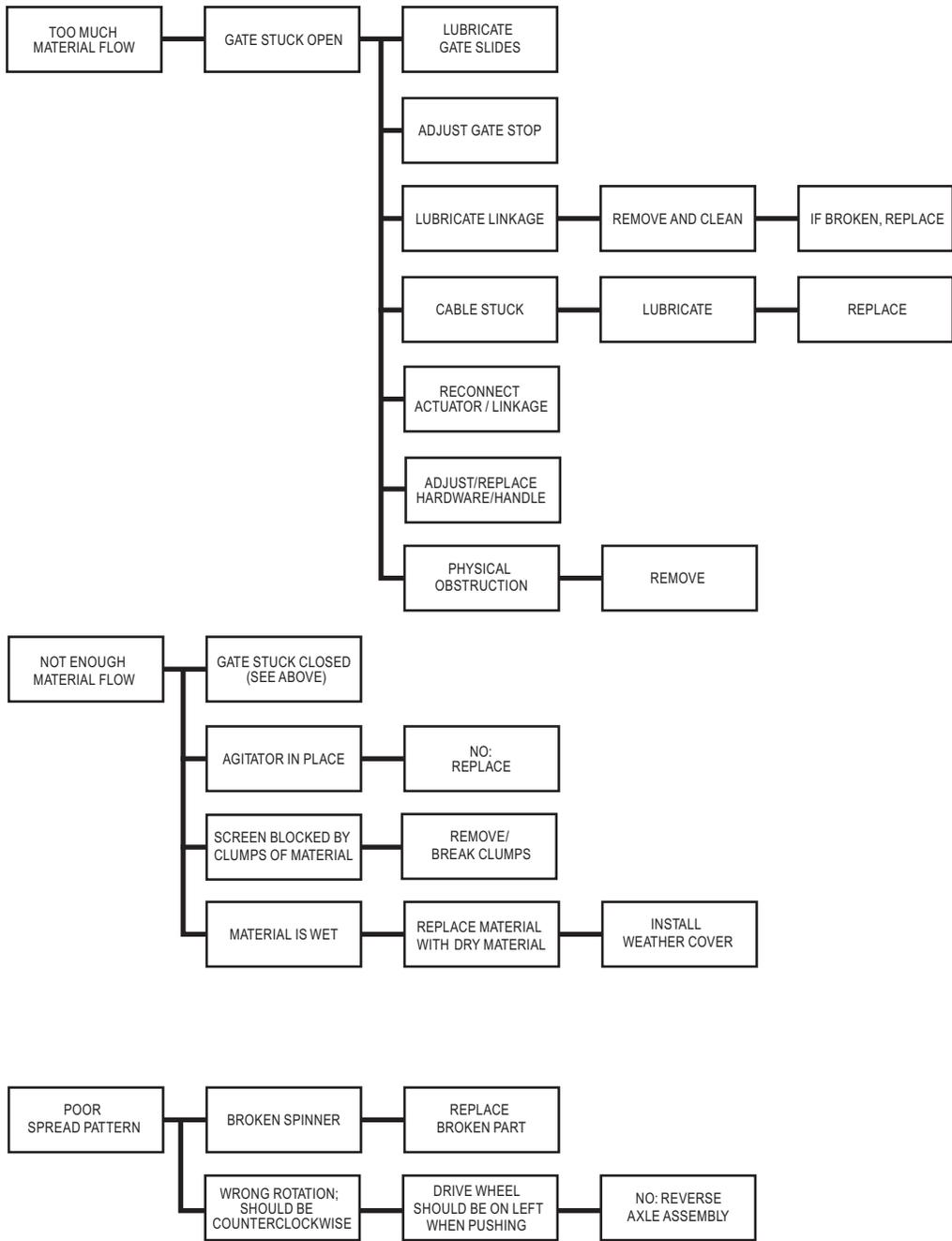
### ⚠ WARNING

Never leave materials in hopper for long periods of time; salt is hygroscopic, will attract atmospheric moisture and harden up.

**NOTE:** After 5 to 10 hours of spreader usage, retighten all fasteners.

# TROUBLESHOOTING

## MODEL #SP-85 & SP-85SS





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