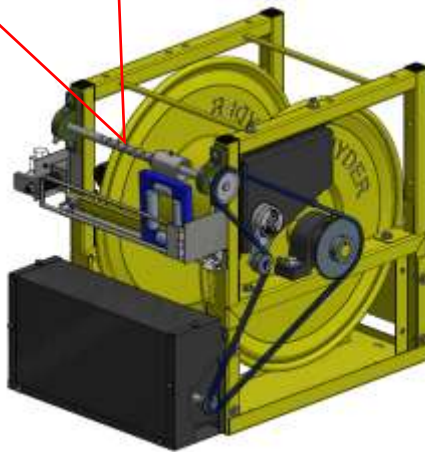
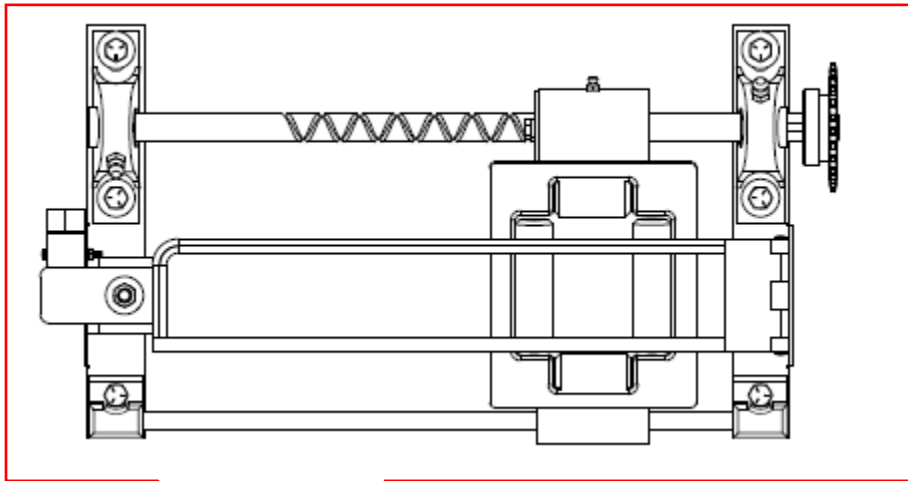


Hose Reel Level Wind Kit Installation and User Guide



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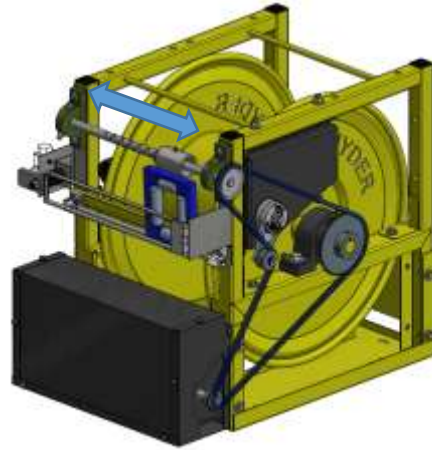
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1 Overview

The level wind kit allows installation of a level wind mechanism on a standard Snyder platform cabinet design. A level wind allows smooth side-to-side accumulation of the hose along the width of the drum and prevents hose binding.



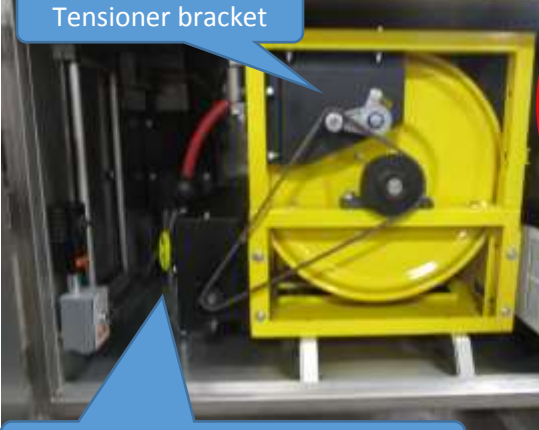
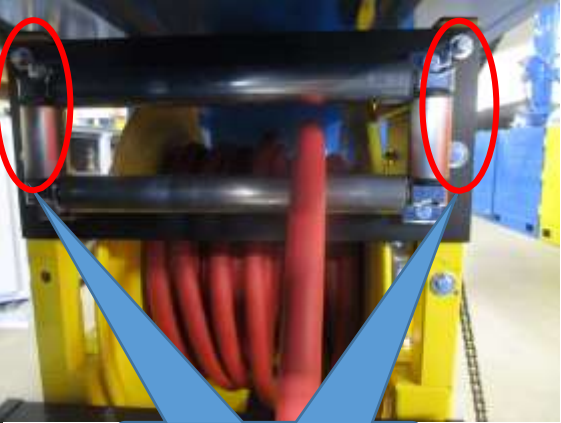
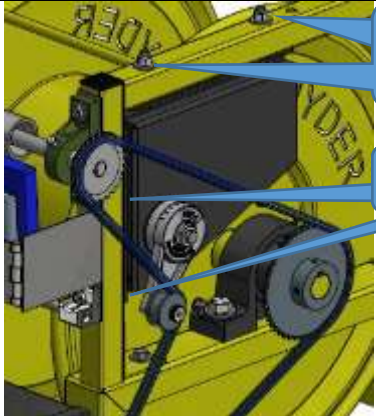
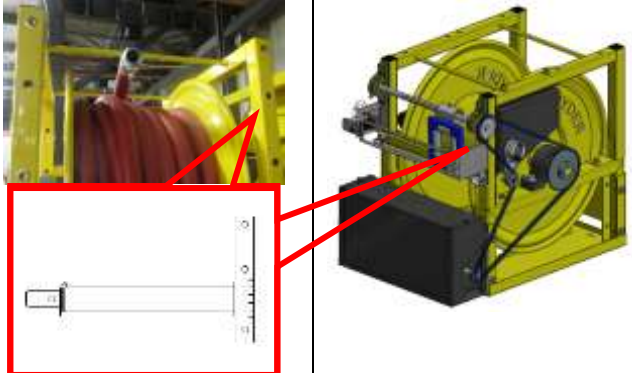
Standard Configuration

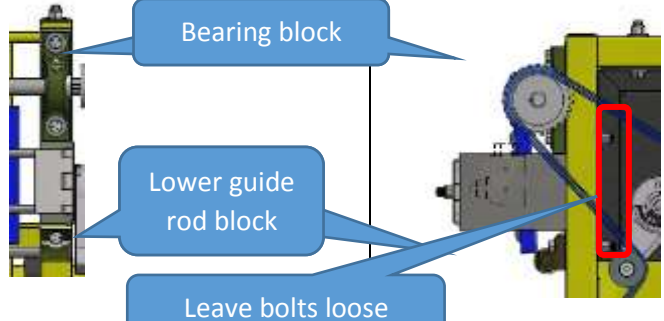
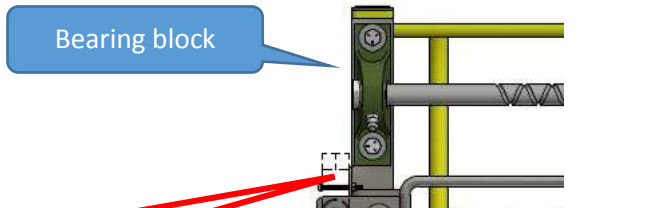
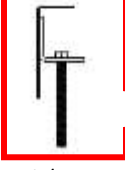
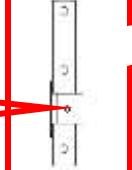
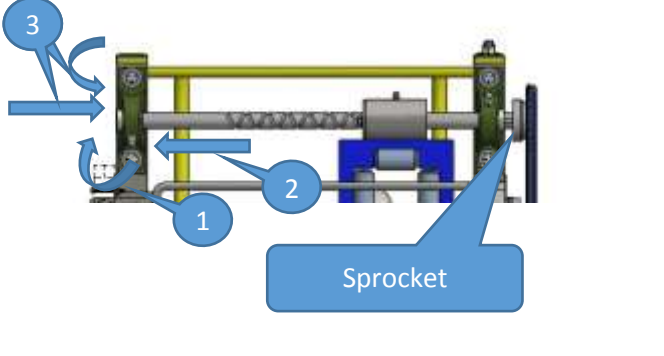
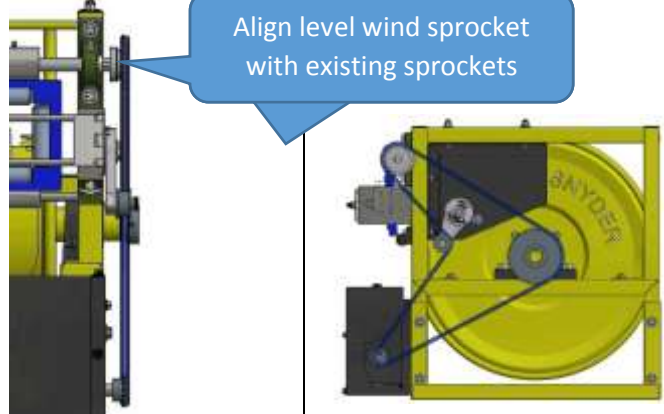


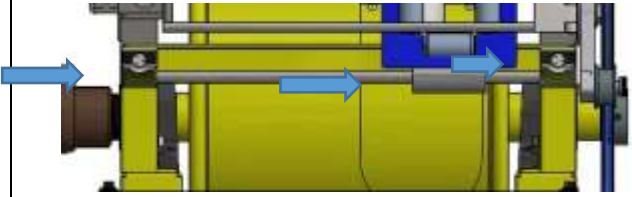
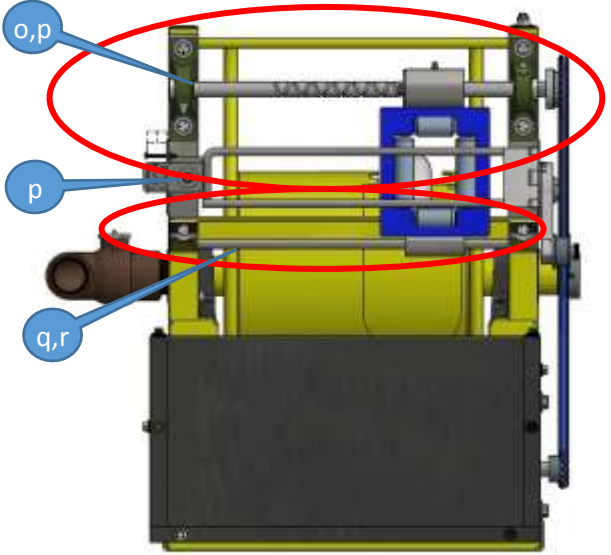
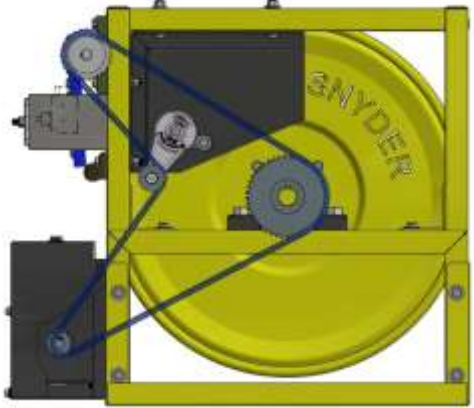
Level Wind Configuration

2 Installation

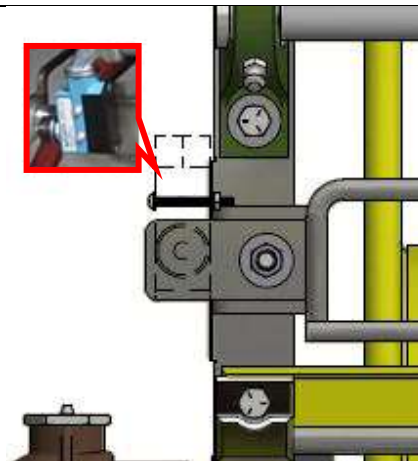
- a) Shut off the water supply to the cabinet and then open the nozzle handle, allowing water to partially drain from the reel.
- b) Remove the nozzle and ball stop from the end of the hose.
- c) Remove the old guide/roller assembly by removing the (4) screws on the front of the assembly.
- d) Pull the chain tensioner downward to relieve tension on the chain. Remove the chain and then remove the chain tensioner from the tensioner bracket. Save both for re-installation.

 <p>Tensioner bracket</p> <p>Nozzle and ball stop</p>	 <p>Guide assembly bolts</p>
<ol style="list-style-type: none"> e) Remove the old tensioner guide by removing the remaining three bolts holding it in place. f) Install the chain tensioner on the tensioner bracket in the configuration shown at right. g) Install the new tensioner bracket by the top two bolts, leaving them slightly loose. The remaining two bolt holes are also used to attach the level wind bracket. 	 <p>Partially tighten</p> <p>Leave open</p>
<ol style="list-style-type: none"> h) Align the gate assembly on top of the holes on the right-hand side of the reel frame. The upper bearing block and lower guide rod block will be installed on top of this assembly. 	

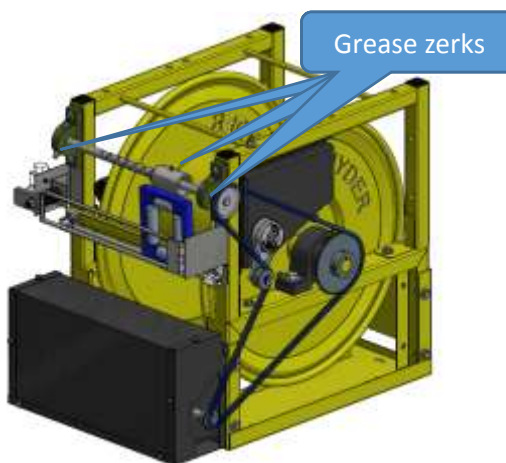
<p>i) Install the upper bearing block and the lower guide rod block through the holes in the gate assembly, the reel frame, and tensioner bracket (bottom two bolts only). Leave the two bottom bolts loose to allow leveling of the level wind guide rod and ball reverser assembly.</p>	
<p>j) Align the spring arm assembly with the bolt holes on the other side of the frame, and repeat the upper bearing block and the lower guide rod block installation. Leave the lower two bolts loose for rod insertion and alignment.</p>	
 <p>switch/gate mount side view</p>	 <p>spring arm assembly</p>
<p>k) Rotate one bearing block slightly clockwise and slide the ball reverser rod and roller guide assembly into the bearing block several inches beyond the block edge.</p> <p>l) Rotate the bearing block back to its original position and press the ball reverser rod through the opposite bearing block.</p>	
<p>m) Install the sprocket on the end of the ball reverser rod. Align the rod and the sprocket so that the sprockets are in proper vertical alignment.</p>	

<p>n) Push the guide rod through both lower guide rod blocks and the lower end of the roller assembly guide.</p>	
<p>o) Adjust the upper bearing blocks as needed until the ball reverser rod is completely level and the sprocket on the reversed rod is still properly aligned with the other chain drive sprockets.</p> <p>p) Once the ball reverser rod is level, tighten the bearing blocks to hold the rod in place and attach the gate assembly to the gate mount.</p> <p>q) Adjust the lower guide rod blocks as needed until the lower guide rod is completely level and parallel with the ball reverser rod.</p> <p>r) Once the lower guide rod is level, tighten the lower guide rod blocks to hold the rod in place.</p>	 <p>When both rods are parallel, the roller guide assembly should move smoothly along the length of the rods without chattering or binding.</p>
<p>s) Re-install the chain as shown in the diagram at right, pulling the chain tensioner clockwise to allow the chain to be properly threaded.</p> <p>t) Release the chain tensioner and check the chain tension after installation. If necessary, adjust the chain tensioner by loosening the adjustment screws and sliding the tensioner as required. Be sure to retighten the adjustment screws after any adjustment.</p>	

u) Install the level wind safety switch on the gate. Wire in the switch per the schematic in Section 5.

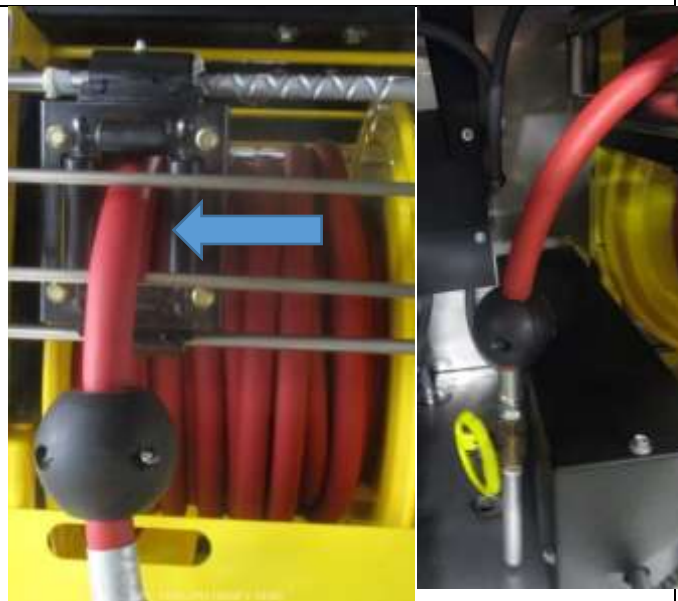


v) Apply grease to the upper bearing blocks and the level wind using white lithium grease (Snyder part number GREASE LITHIUM). This is the same grease used in the reel bearing blocks and the motor/clutch assembly.



w) Thread the hose through the roller assembly as shown. Re-install the ball stop 1-2" away from the crimped fitting and re-install the outlet nozzle.

The level rewind kit is now installed and ready for testing.

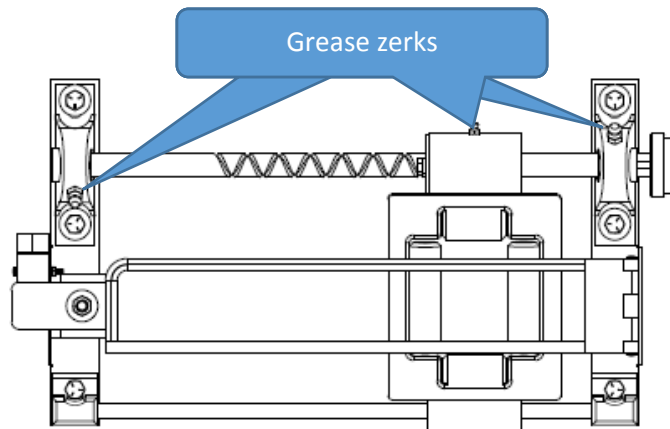


3 Service

3.1 Recommended Intervals

Service	Frequency
Visual inspection	Weekly
Grease reel bearing blocks*	1 year
Grease level wind	1 year

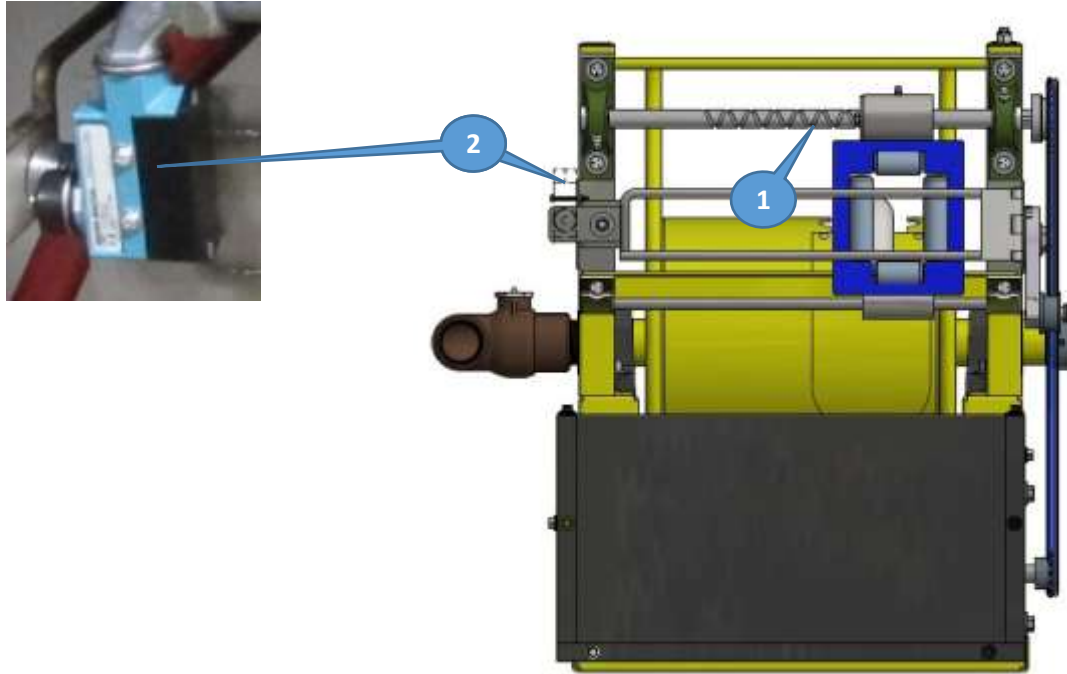
***NOTE:** Snyder recommends the use of white lithium grease in the reel bearing blocks and the motor/clutch assembly bearing blocks. Lithium grease is available from Snyder: order part number GREASE LITHIUM.



3.2 Troubleshooting Guide

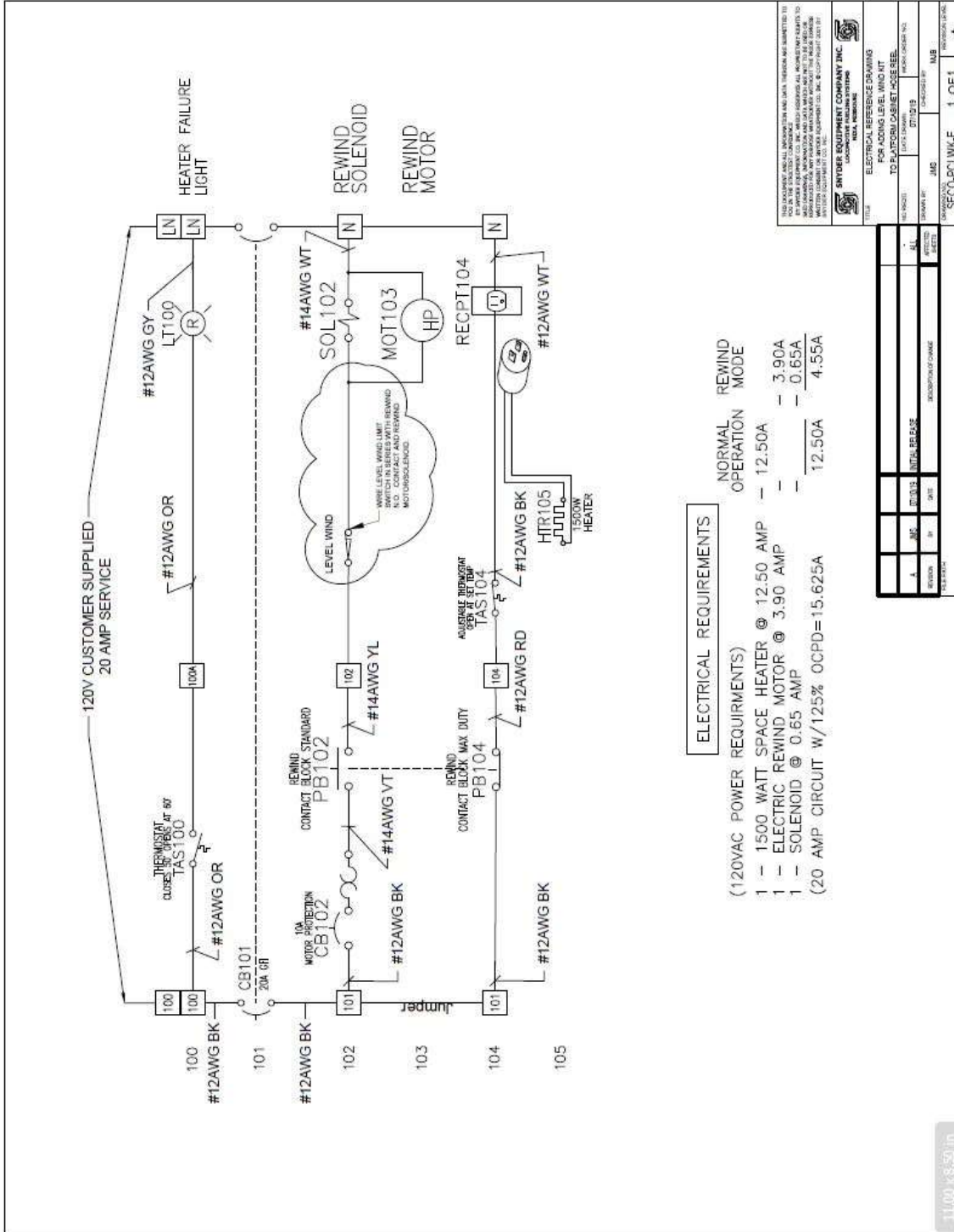
Symptom	Possible Cause	Corrective Action
Rewind motor chatters at end of rewind or fails to shut off entirely	Level wind safety switch is misaligned or defective	Check alignment of safety switch and verify that it is wired correctly. Replace switch if it is found to be defective.
Hose will not rewind or rewinds slowly/intermittently	Debris in ball reverser assembly	Remove debris
	Ball reverser and guide rods are not level and parallel	Follow adjustment procedure in installation guide
	Ball reverser rod is bent	Replace ball reverser rod
	Sprocket is misaligned	Verify that all three chain sprockets are in proper alignment

4 Replacement Parts



Item	Qty.	Part Number	Description
1	1	HR BRC 1827-7	BALL REVERSER ASSEMBLY
2	1	SWTCH BZE62RN	LEVEL WIND SAFETY SWITCH

5 Electrical Schematic





Hose Reel Level Wind Kit

ISO
9001:2015

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