

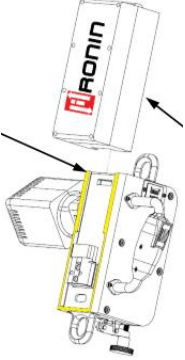
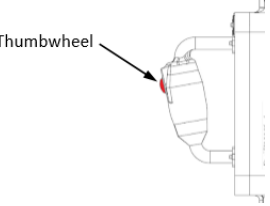
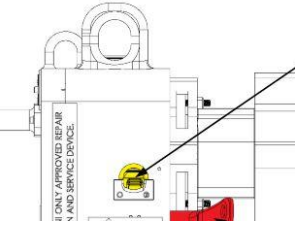
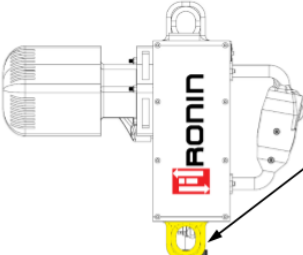
Ronin Lift User Checklist

PN: **2805-11**



Prior to use, please go through the equipment checklist below. This User Guide is for Ronin Lift's with Serial Numbers 3200-R & Below.

Equipment Inspection:

<p><input type="checkbox"/> Install the battery onto the Ronin lift, by sliding down from the top of the Ronin. Be sure the battery is fully seated with the retaining clip being locked in place. Make sure the Battery Indicator is showing the current battery charge reading. (Note: The battery indicator light should be Green in color. If the light is Amber or Red, then charge the battery, before use.)</p>	 A technical diagram showing a Ronin battery being inserted into the top of the lift mechanism. An arrow points to the battery, and another points to the retaining clip on the lift's top housing.
<p><input type="checkbox"/> Check motor function by slowly rolling the thumbwheel down. Check if the motor increases speed, with full rotation of thumbwheel? When thumbwheel is released, does it spring back to neutral and stop the motor? (Note: If the Ronin fails either test, then discontinue use of the Ronin and send in for service).</p> <p>*If Ronin is equipped with the Deadman Trigger option, then make sure you cannot perform any of the above steps without pulling the trigger.</p>	 A close-up technical drawing of the thumbwheel on the lift. A label "Thumbwheel" with an arrow points to the wheel. The wheel has a red indicator on its side.
<p><input type="checkbox"/> Inspect Cam Cinch (Brake) head and pick out any debris stuck in the teeth.</p>	 A technical drawing of the cam cinch head mechanism. A yellow circle highlights the teeth of the cam. A label "ONLY APPROVED REPAIR AND SERVICE DEVICE" is visible on the side of the mechanism.
<p><input type="checkbox"/> Inspect the carabineer clip attachment points and ensure there are no cracks or deformation. (Note: Scratches and/or general wear & tear is acceptable).</p>	 A technical drawing of the lift mechanism with a yellow carabineer clip attached to the bottom. An arrow points to the clip.

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<input type="checkbox"/> General inspection of device to ensure there is no major damage or deformation. (Note: Scratches and/or general wear & tear is acceptable).
<input type="checkbox"/> Inspect rope prior to use and ensure rope is in acceptable climbing condition. Be sure BOTH ends of your rope are properly burned with any tape or markers removed. No inner core should be exposed and BOTH rope tips should be coned. (Note: If you have a Tech-Nora or Kevlar sheathed rope, then ask Ronin about the Perfect Burn Tip).
<input type="checkbox"/> Inspect all PPE (Personal Protective Equipment) before use.

After completing the Equipment Inspection, continue with the steps below.

Rope Selection:

<input type="checkbox"/> Below are the approved ropes to be used with the Ronin Lift. <ol style="list-style-type: none">1. Marlow - Ronin HP Rope (Tech-Nora) 11.5mm2. Marlow – ProTech 500 (Tech-Nora) 11.0mm3. Teufelberger – KMIII Max 11.0mm4. Teufelberger – Xstatic 11.7mm
<input type="checkbox"/> If you do not have one of the above approved ropes, then make sure your rope meets all the below requirements. <ul style="list-style-type: none">• <u>Rope Type</u>: Static Line Rope• <u>Rope Diameter</u>: 10mm – 13mm• <u>Rope Elongation</u>: Less than 2% for 10mm-11.5mm dia. rope; Less than 3.3% for 11.6mm-12mm dia. Rope; Less than 4.5% for 12mm – 13mm dia.• <u>Sheath Construction</u>: Kernmantle, Tech-Nora, or Aramid sheath construction (Tech-Nora will have the best rope wear characteristics)• <u>Strand Count</u>: 32 or greater (Less than 32 strands will result in increased rope wear) <p>If additional help is needed with your rope selection, then please send details to info@changeyourelevation.com</p>

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Ronin Lift Rope Loading:


<p><input type="checkbox"/> Rotate the Red Tensioner Knob fully to the Right, until the lever arm is bottomed out on the main housing.</p>	A technical diagram of the Ronin lift mechanism. A red knob is shown being rotated to the right, as indicated by a yellow curved arrow. The knob is connected to a lever arm. Above the mechanism, there is a label that reads "DO NOT STATION" and a list of instructions: "INSPECTION", "INSPECTION", "INSPECTION", "INSPECTION", "INSPECTION", "INSPECTION", "INSPECTION", "INSPECTION", "INSPECTION", "INSPECTION".
<p><input type="checkbox"/> Insert the rope into the "Rope Inlet" hole. Push the rope into the rope inlet hole and TAP the thumbwheel. The rope should pull into the system 2-3 inches.</p>	A technical diagram showing the rope being inserted into the "Rope Inlet" hole. A yellow circle highlights the thumbwheel, with a yellow arrow pointing to it. A warning label reads: "WARNING! READ INSTRUCTIONS. ALWAYS USE A SECONDARY ROPE GRAB SYSTEM."
<p><input type="checkbox"/> Now open the brake slightly and slowly roll down the thumbwheel, until the rope comes out of the rope exit hole (Pull Deadman trigger, if unit is equipped with this option).</p> <p>Note: Do not pull the brake fully open or this will activate reverse function. If this happens, then repeat the previous step.</p>	A technical diagram of the Ronin lift mechanism. A red lever is shown being pulled down, and a yellow arrow indicates the thumbwheel being rolled down. The rope is shown exiting the rope exit hole.
<p><input type="checkbox"/> Once rope has fed out the exit hole, turn the Red Tensioner Knob to the Left, until hand tight, before ascending.</p>	A technical diagram of the Ronin lift mechanism. A red knob is shown being rotated to the left, as indicated by a yellow curved arrow. A label points to the "Rope Exit" hole. A warning label reads: "DO NOT OPEN ONLY APPROVED REPAIR PERSONNEL SHOULD SERVICE THIS UNIT."

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Ronin Lift Ascending:

<input type="checkbox"/> Ensure all personal protective equipment is inspected and in place prior to ascending with the Ronin Lift.	
<input type="checkbox"/> Ensure you are using a secondary rope grab system as a backup, with a second independent rope.	
<input type="checkbox"/> Attach your harness to the lower attachment point on the Ronin, with a carabiner. Roll down the thumbwheel slowly and remove the slack from the climbing line. Now sit down into your harness and hang from the Ronin. Ensure that your brake is holding you in place and is not slipping.	
<input type="checkbox"/> Rotate the thumbwheel down and ascend approx. 10ft, then stop. Make sure the system is not slipping on the rope. The Ronin is a no slip system, so if the system starts to slip on the rope, then stop. Turn the Red Tensioner Knob 1-2 additional turns to the Left, until the system no longer slips and continue your ascent.	

Ronin Lift Descending:

<input type="checkbox"/> To descend... Pull down on the red brake handle with your left hand and simultaneously TAP the thumbwheel trigger with your right hand to dislodge the brake wedge. (Note: If you do not descend, this is due to over tensioning the system for more weight than you are lifting. Slowly turn the Red Tensioner Knob to the Right, while holding the brake open, until you start to descend.)
<input type="checkbox"/> Keeping the brake fully open, now tend the rope with your right hand. Pull down on the rope to slow and stop. Once stopped, release the brake handle to hold in place. (Note: You can always just release the brake at any time to stop but this will add additional wear to your rope overtime.)

Removing Rope from the Ronin:

<input type="checkbox"/> Hold the brake fully open (Down) and roll down on the thumbwheel. Holding the brake fully open puts the motor into reverse and the rope will start to eject from the system. (Note: You must hold the brake completely open or the Ronin will not stay in Reverse).
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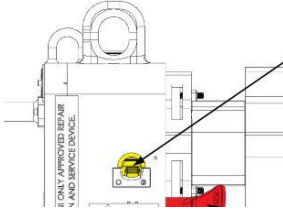

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After use, please follow the storage checklist below.

Equipment Storage:

<input type="checkbox"/> Remove the battery by pulling back on the top attachment clip with your left hand, while simultaneously pulling up on the bottom of the battery with your right hand. (Note: You never want to store the Ronin with the battery connected). Charge the battery, if necessary (Be sure to remove the battery from the Ronin, before charging).	
<input type="checkbox"/> Inspect Cam Cinch (Brake) head and clean out any debris stuck in the teeth.	 A technical line drawing of the Cam Cinch mechanism. A yellow circle highlights the teeth of the cam. A red arrow points to the teeth. A vertical line of text on the left side of the drawing reads: 'ONLY APPROVED REPAIR AND SERVICE DEVICE.'
<input type="checkbox"/> Store you Ronin with all accessories into the Ronin hard case.	 A photograph of the Ronin hard case, which is black and open, showing the internal compartments and the Ronin device inside. The Ronin logo is visible on the top of the device.