**WARNING**

**BEFORE** installing this component, thoroughly read this set of instructions, make sure you understand them, and only then follow the step-by-step directions.

**FAILURE TO READ AND FOLLOW THESE INSTRUCTIONS** could result in failure of the equipment. Failure of the equipment while the lift is raised can include a sudden and rapid lowering of the lift and load possibly resulting in serious property damage and/or serious bodily injury.

**BEFORE** installing the components described in these instructions, determine the model of PANELLIFT® Brand Drywall Lift into which the components will be installed. **THEN** read and become familiar with the complete Operator’s Manual for that model of PANELLIFT® Brand Drywall Lift.

The complete Operator’s Manual for the PANELLIFT® Brand Drywall Lift Model 138-2 and 125 is available at [www.telproinc.com](http://www.telproinc.com) or call 701-775-0551 to receive a hard copy by mail.

---

**• Use and maintenance of the PANELLIFT® Drywall Lift shall be limited to authorized personnel who are trained in the proper techniques for its safe operation and maintenance and who are familiar with the various hazards of overhead material handling.**

**• DO NOT ATTEMPT TO USE YOUR PANELLIFT® Drywall Lift IF ANY PART IS MISSING, DAMAGED OR WORN. ORDER A REPLACEMENT PART IMMEDIATELY. Using a PANELLIFT® Drywall Lift with missing, damaged or worn components can result in failure of the unit and possibly severe property damage and/or serious bodily injury.**

**• Inspect the Sheaves (Pulleys) and follow the procedure at the right to replace when worn. Sheave (Pulley) wear can occur where the cable rides and on the axle. Make sure to inspect both. Sheave can either be brass or aluminium. The sheave on the left is badly worn on both the axle and cable groove. Sheave on right is a new sheave.**

**• Use only factory authorized replacement parts. Installation of other parts can compromise the safe design of the PANELLIFT® Drywall Lift and may cause failure of the unit possibly resulting in serious property damage and/or serious bodily injury.**

---

Questions? - Call Telpro Inc. Customer Service at 1-800-448-0822 or 701-775-0551
CABLE REPLACEMENT INSTRUCTIONS continued

1. Loosen the cable from the mooring tab on the winch and pull it out from the winch drum. BE CAREFUL! A worn cable can have frayed strands. Wearing gloves will help protect your hands.

2. Pinch the two telescoping sections together and lift them out as a unit. Pulling the cable will help to raise them.

3. Remove the two telescoping sections completely from the frame housing. Pull the cable completely out from the frame along with them. BE CAREFUL for loose strands or frays on the cable.

4a. Feed the crimped end of the new cable through the “A” section anchoring “V” from the bottom as shown. 4b. Make sure the anchoring end of the cable is pulled snugly against the anchoring “V” as shown. (NEVER DISASSEMBLE THE NUT AND BOLT OF CABLE ANCHORING ASSEMBLY)

1) Feed the crimped end of the new cable under anchoring “V” from the bottom of the “A” Section

2) Feed into top of “B” Section.

3) Feed out through near end of sheave pocket

4) Feed into slot in “B” Section

5) Feed out the bottom sheave pocket on the “B” Section on the end nearest the bottom.

“B” section

“A” section

Anchoring “V”
CABLE REPLACEMENT INSTRUCTIONS continued

5. Use the special tool provided to insert the crimped end of the cable into the TOP end of the "B" section as shown in this cut away view. If your "B" section is the factory original and not a replacement, the top is the painted end and the bottom has several inches of unfinished surface. If both ends of your "B" section are painted it is either a replacement or you are working on the "F" section of an extension 186-00. In either of these cases wear marks on the section should give you an indication of which end is the top.

6a. Insert the crimped end of the cable into the sheave pocket at the end nearest the end of the "B" section as shown.

6b. With a clock-wise motion like that of tightening a screw driver, twist the cable installation tool while holding the crimped end of the cable up into the sheave pocket. The cable will pop loose from the tool and pop up through the sheave pocket as shown in this cut away view.

**WARNING**

The cable MUST feed in from the top of the "B" exactly as shown in steps 2 - 3 in order to function properly. Failure to install the cable correctly as shown can cause wearing of the cable for which it is not designed which can result in failure of the cable. Failure of the cable while the lift is raised will result in a sudden and rapid lowering of the lift and the load possibly resulting in serious property damage and/or serious bodily injury.

7. Feed the crimped end of the cable down into the slot (a) of the "B" section and out the bottom end of the telescoping section (b) as shown. Pull the cable completely through to remove the slack.

8a. Reload and insert the cable installation tool into the BOTTOM end of the "B" section as shown.

8b. Repeat the process performed in steps 2 - 3: Insert the crimped end of the cable up into the end of the sheave pocket at the end nearest the bottom of the "B" section as traced by the dotted arrows. Twist the installation tool while holding the crimped end of the cable up into the sheave pocket. Pull the crimped end out completely to remove the slack.

**WARNING**

The cable MUST first pass down through the slot and out the bottom, then loop back in from the bottom of the "B" to feed through the sheave pocket exactly as shown in steps 4 - 5 in order to function properly. Failure to install the cable correctly as shown can cause wearing of the cable for which it is not designed which can result in failure of the cable. Failure of the cable while the lift is raised will result in a sudden and rapid lowering of the lift and the load possibly resulting in serious property damage and/or serious bodily injury.
9. A correctly strung cable is shown at right:
Starting through the “A” section anchoring “V” from the bottom (1), into the top of the “B” section (2), back out through the sheave pocket at the end nearest the top of the telescoping section (3), into the slot of the “B” section (4), and out a final time through the end of the sheave pocket nearest the bottom of the “B” section (5).

You’re now ready to reassemble the “A” section into the “B” section as shown here:

10. To reinstall the assembled telescoping sections, feed the crimped end of the cable through the frame sheave pocket from the top and over the top of the sheave as shown.

WARNING
• DO NOT feed the cable through the areas marked “X” in the photo above. Doing so will cause wearing of the cable for which it was not designed which can result in failure of the cable.
Failure of the cable while the lift is raised will result in a sudden and rapid lowering of the lift and load possibly resulting in serious property damage and/or serious bodily injury.
• Failure to install the cable correctly as shown in these instructions can cause wearing of the cable for which it is not designed which can result in failure of the cable.
Failure of the cable while the lift is raised will result in a sudden and rapid lowering of the lift and the load possibly resulting in serious property damage and/or serious bodily injury.

WARNING
The cable MUST feed down from the top of the frame housing and over the top of the sheave exactly as shown in step 7 in order to function properly. Failure to install the cable correctly as shown can cause wearing of the cable for which it is not designed which can result in failure of the cable. Failure of the cable while the lift is raised will result in a sudden and rapid lowering of the lift and the load possibly resulting in serious property damage and/or serious bodily injury.
11. Pull the slack cable through the sheave pocket and slide the telescoping sections into the frame housing. As the telescoping sections lower into the frame, the slack cable will be drawn back up over the sheave.

12. Feed the crimped end of the cable through the hole in the winch drum and secure it behind the mooring tab by hand pulling the cable snug as shown.

13. Rotate the winch in the direction shown to take the slack out of the cable.
ASME Standards for wire rope (cable) inspection and replacement
Reprinted with permission from ASME B30.19 Cableways

The following is intended as a helpful guide to the general topic of inspection and replacement of wire rope (cable). It is not intended to be an exhaustive treatment of the topic.

Frequent inspection (at least daily) by a competent person and prompt replacement of any cable that shows any sign of wear is the responsibility of the owner and the operator of the PANELLIFT® Drywall Lift.

With reference to the chart below at 19-2.4.3(b)(6) the Panellift® Drywall Lift cable is a nominal 1/8" high tensile cable (rope).

Section 19-2.4: Rope Inspection, Replacement, and Maintenance
19-2.4.1 General. Sheave diameters, drum diameters, and rope design factors are limited because of cableway design configuration. Due to these parameters, inspection in accordance with para. 19-2.4.2 to detect deterioration and timely replacement in accordance with para. 19-2.4.3 are essential.

19-2.4.2 Inspection
(a) Frequent Inspection
(1) All running ropes in service should be visually inspected once each working day. A visual inspection shall consist of observation of all rope that can reasonably be expected to be in use during the day’s operations. These visual observations should be concerned with discovering gross damage that may be an immediate hazard, such as listed below:
   (a) distortion of the rope such as kinking, crushing, unstranding, birdcaging, main strand displacement, or core protrusion. Loss of rope diameter in a short rope length or unevenness of outer strands should provide evidence that the rope or ropes are to be replaced.
   (b) general corrosion;
   (c) broken or cut strands;
   (d) number, distribution, and type of visible broken wires [see paras. 19-2.4.3(b)(1), (2), and (7) for further guidance];
   (e) core failure in rotation-resistant ropes; when damage is suspected, the rope shall either be removed from service or given an inspection as detailed in para. 19-2.4.2(b).

(b) Periodic Inspection
(1) The inspection frequency shall be determined by a qualified person and shall be based on such factors as expected rope life (determined by experience on the particular installation or similar installations), severity of environment, percentage of capacity lifts, frequency rates of operation, and exposure to shock loads. Inspections need not be at equal calendar intervals and should be more frequent as the rope approaches the end of its useful life.

(c) Care shall be taken when inspecting sections of rapid deterioration, such as the following:
   (a) sections in contact with saddles, equalizer sheaves, or other sheaves, including track cable sheaves, where rope travel is limited;
   (b) sections of the rope at or near terminal ends where corroded or broken wires may develop.

19-2.4.3 Rope Replacement
(a) No precise rules can be given for determination of the exact time for rope replacement, since many variable factors are involved. Once a rope reaches any one of the specified removal criteria, it may be allowed to operate to the end of the work shift, based on the judgment of a qualified person. The rope shall be replaced after that work shift, at the end of the day, or at the latest time prior to the equipment being used by the next work shift.

(b) Removal criteria for rope replacement shall be as follows:
   (1) In running ropes, six randomly distributed broken wires in one lay, or three broken wires in one strand in one lay.
   (2) One outer wire, broken at the contact point with the core of the rope, that has worked its way out of the rope structure and protrudes and loops out from the rope structure. Additional inspection of this section is required.
   (3) Wear of one-third the original diameter of outside individual wires.
   (4) Kinking, crushing, birdcaging, or any other damage resulting in distortion of the rope structure.
   (5) Evidence of heat damage from any cause.
   (6) Reductions from nominal diameter greater than those shown below:

<table>
<thead>
<tr>
<th>Rope Diam.</th>
<th>Max. Allowable Reduction From Nominal Diam.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Up to 5/16 in. (8 mm)</td>
<td>1/64 in. (0.4 mm)</td>
</tr>
<tr>
<td>Over 3/8 in. to 1/2 in. (13 mm)</td>
<td>1/32 in. (0.8 mm)</td>
</tr>
<tr>
<td>Over 9/16 in. to 3/4 in. (19 mm)</td>
<td>3/64 in. (1.2 mm)</td>
</tr>
<tr>
<td>Over 7/8 in. to 1 1/8 in. (29 mm)</td>
<td>1/16 in. (1.6 mm)</td>
</tr>
<tr>
<td>Over 1 1/4 in. to 1 1/2 in. (38 mm)</td>
<td>3/32 in. (2.4 mm)</td>
</tr>
</tbody>
</table>

(c) Broken wire removal criteria cited in this Volume apply to wire rope operating on steel sheaves and drums. The user shall contact the sheave, drum, or cableway manufacturer, or a qualified person for broken wire removal criteria for wire ropes operating on sheaves and drums made of material other than steel.

(d) Replacement rope shall have a nominal strength rating at least equal to the original rope furnished or recommended by the cableway manufacturer or designer, or a qualified person. Any deviation from the original size, grade, or construction shall be specified by the rope manufacturer, the cableway manufacturer or designer, or a qualified person.

(e) Ropes Not in Regular Use. All rope that has been idle for a period of a month or more due to shutdown or storage of a cableway on which it is installed shall be given an inspection in accordance with para. 19-2.4.2(b) before it is placed in service. This inspection shall be for all types of deterioration and shall be performed by an appointed or authorized person.

(f) Inspection Records
(1) Frequent inspection-no records required.

(2) Periodic inspection - in order to establish data as a basis for judging the proper time for replacement, a dated report of rope condition at each periodic inspection shall be kept on file. This report shall cover points of deterioration listed in para. 19-2.4.2(b)(2).

(g) A long-range inspection program should be established and should include records on examination of rope removed from service so a relationship can be established between visual observation and actual condition of the internal structure.
Questions about assembly?
Can’t find a part?
Need some other help?

Call us: Telpro Inc.
1.800.448.0822
701.775.0551

We’ll get you set up!