REID LIFTING MATERIAL LIFT®

SERVICE AND INSPECTION

The following document is an officially created REID Lifting guide. It demonstrates the best practice and procedure for the following services:
Removing the cable
Replacing the cable

The procedure should be carried out only by a trained REID service agent.

This document supports the video guide, which can be found by scanning the link below.

See the video guide here

In addition to the service being carried out, it is advised that you also inspect the machine and its components for damages or defects and carry out a full function test (as per the assembly & operations guide) after the service to ensure smooth and correct function.

The following PPE Is required to carry out this procedure.

1

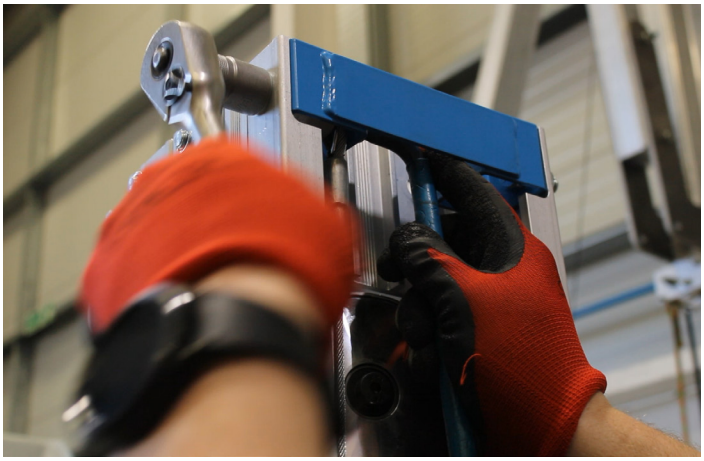
Move the loading wheel to the top position and secure the column sections with the column brake.

2

You can now loosen the clamp that retains the cable on the winch.

3

Next, remove one of the fixings completely to allow the cable end to be freed. Push the end of the cable back through the hole in the drum—this will release the tension and allow the cable to be removed.



4

Undo the fixing that secures the hard eye of the cable into the front column section.

5

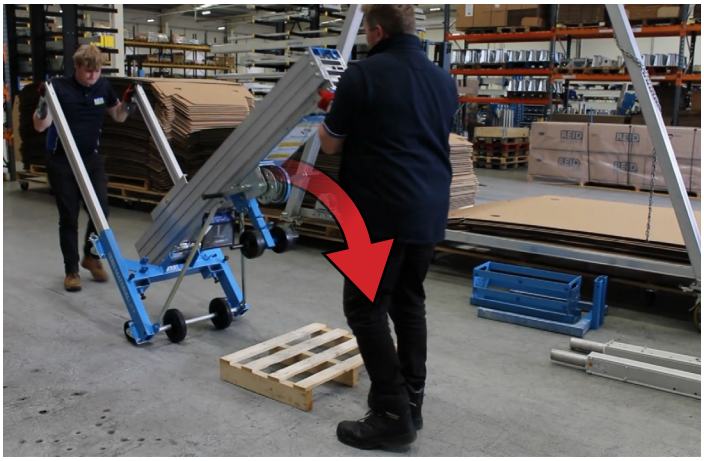
Carefully remove the bolt to release the eye. The old cable can now be removed.

6

Press down on the fork carriage to hold it steady and pull the old cable out through the column sections. You may need to cut the cable if damaged to avoid it getting jammed in the pulleys.

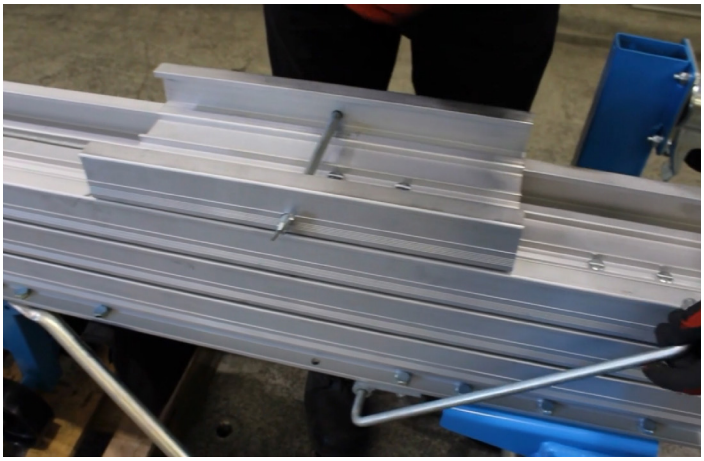
7

Insert the outriggers into the base to help tilt the unit



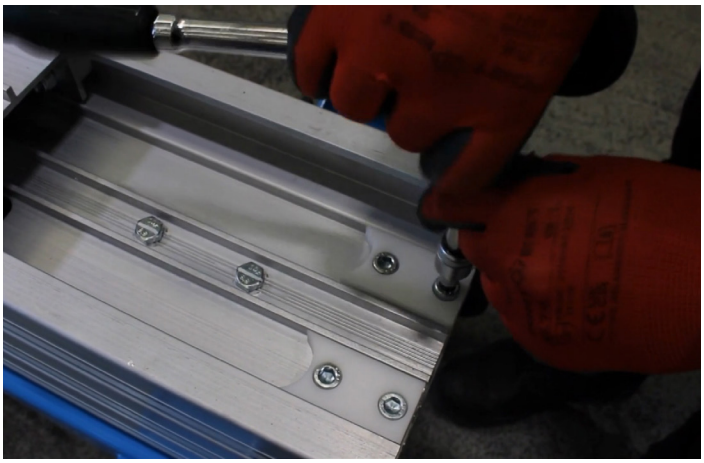
8

The material lift can now be tilted backwards to the horizontal position. Use a pallet to support the RML on the loading wheels. This enables the mast to be level.



9

Release the column brake and rotate to the back of the mast assembly.

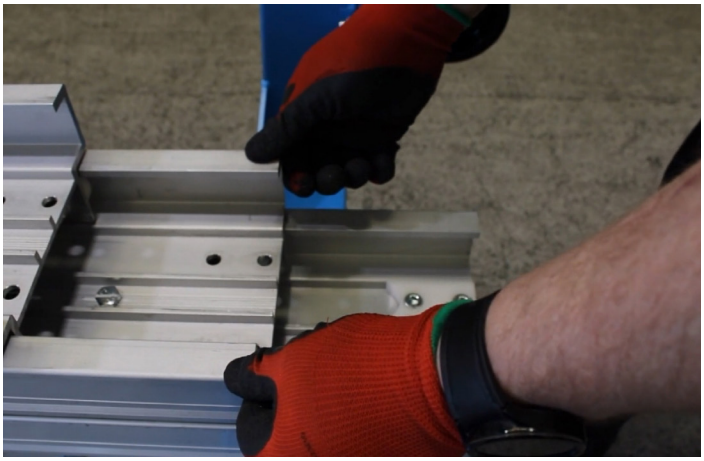


10

We can now start removing the column stops. Remove both stops on the front section. The stops are fixed to a backing plate inside the column.

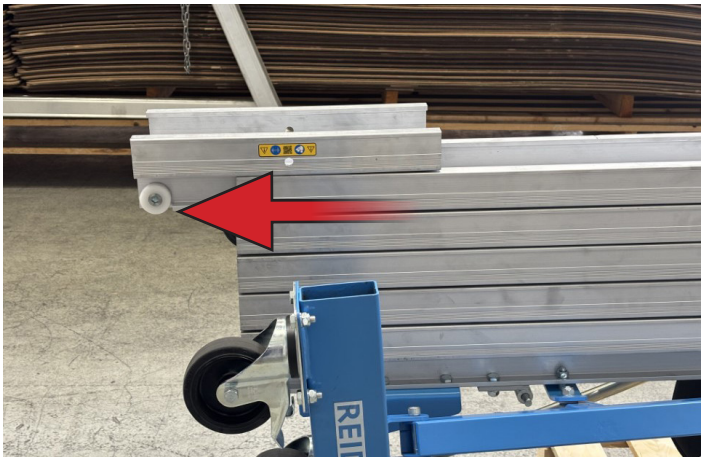
11

We can now move the front column section up to expose the stops on the section below. The stops can now be removed as per the front section. To do this you may need to compress the column safety mechanism found in the access hole.



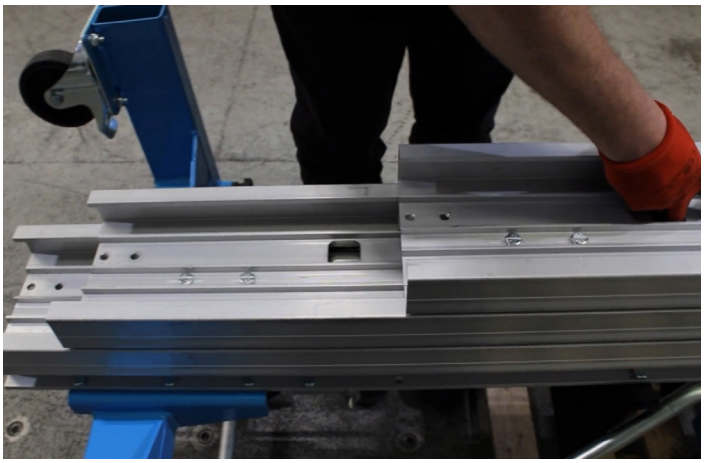
12

Repeat steps 10 and 11 for any remaining columns.



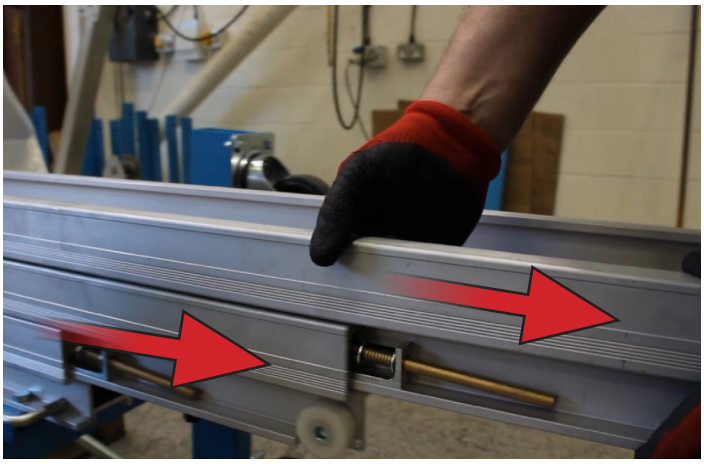
13

The fork carriage can now be removed. To do this, press down on the safety mechanism located within the access hole. This will allow the carriage to slide off the bottom of the front column.



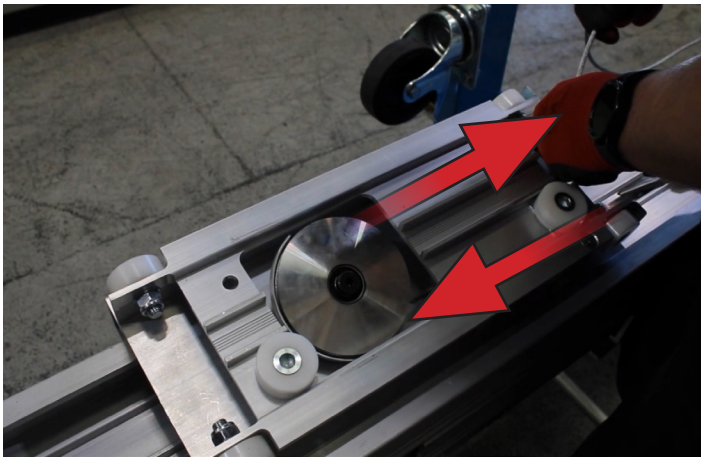
14

Next, we'll reposition the columns to allow. us to route the new cable. Begin by raising the section to gain access to the column safety mechanism on the section below



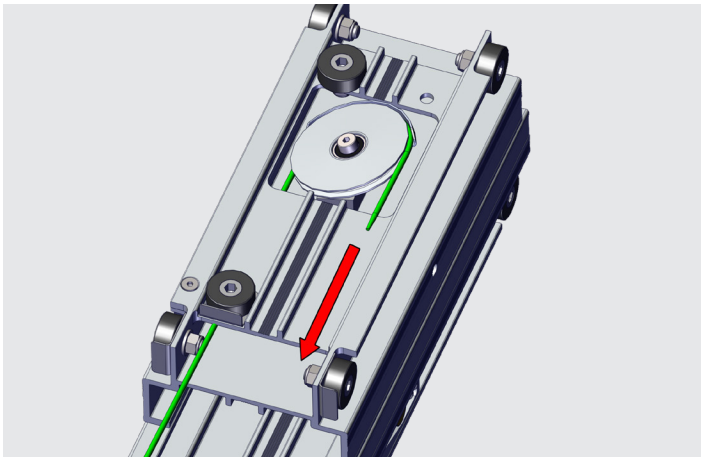
15

Then, reposition the column section making sure the safety mechanism remains partially concealed. Repeat this process to reposition the remaining sections.



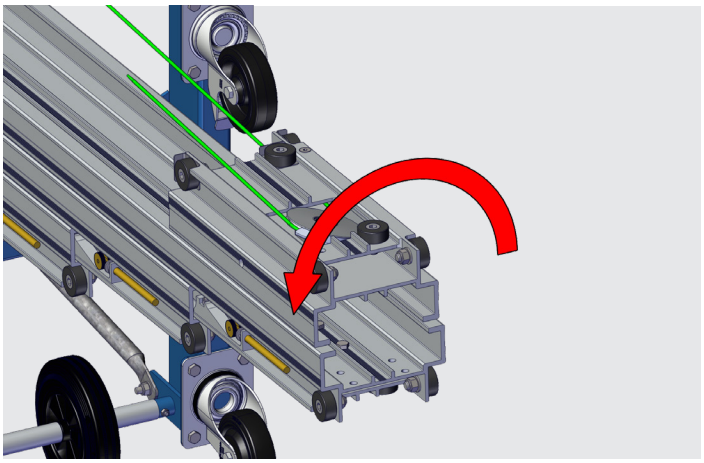
16

We can now begin to attach the new cable starting with the fork carriage. Place the fork carriage upside down on the RML. Feed the cable into the carriage and around the pulley and pull the top. The wire should not be thread back through the inside of the carriage. Pull some cable through to stop the cable retracting.



17

Ensure the cable stays in the correct channel and doesn't cross over.



18

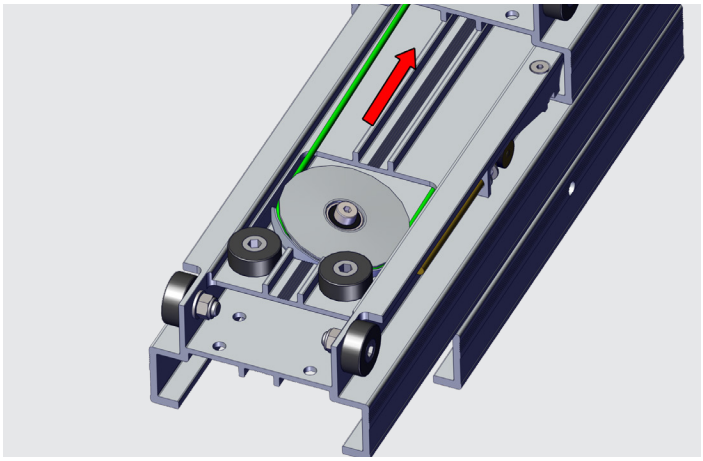
The carriage can now be turned and then positioned back onto the front column. The safety mechanism may need to be depressed to allow the carriage to move. Once again, ensure the cable exiting the carriage is in the correct channel.

19

You can now temporarily fix the carriage in place using a clamp to stop it from moving.

20

Pull some cable through the carriage. Then guide it around the pulley in the front column, then feed it down through the back of the section.

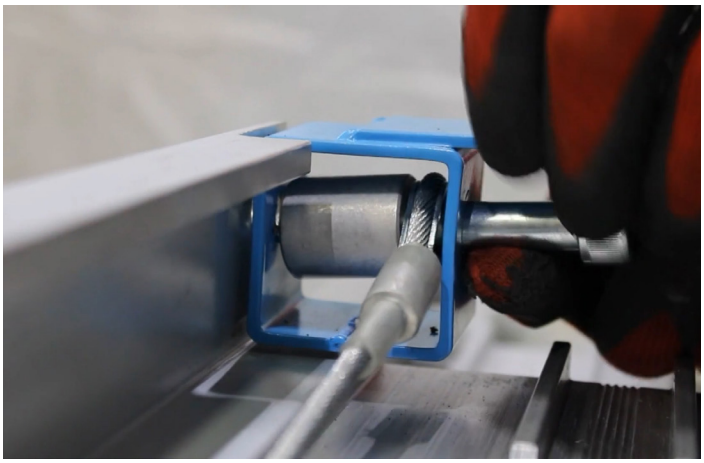


21

From below the material lift, loop the cable around the pulley and guide it back up into the section. To do this you will need long nose pliers and a screwdriver to guide the cable. Repeat the last two steps for all remaining column sections.

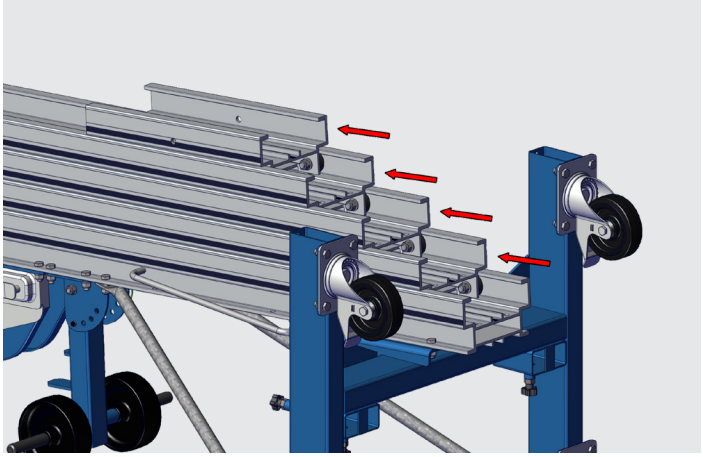
22

After routing the cable through the columns, feed it over the rear pulley, pulling any excess cable through to the back of the material lift. Ensure the cable is routed through the correct channel.



23

Fix the cable back in the column ensuring the hard eye sits towards the center of the column.

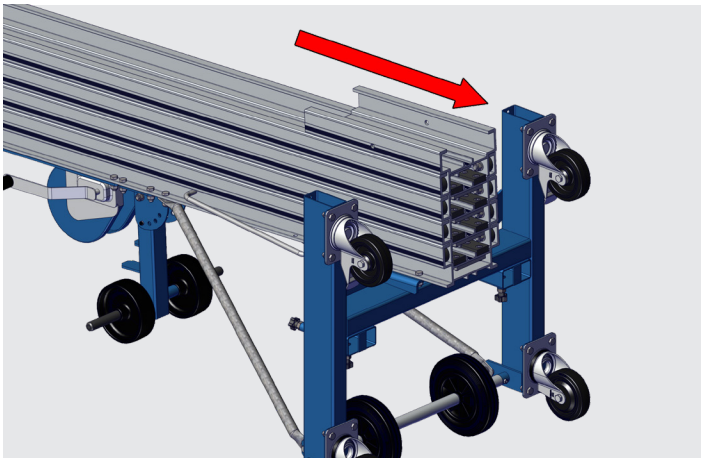


24

We can now reposition the column sections. Whilst maintaining tension on the winch cable, slide the columns upwards to allow us to assemble the column stops. Lifting the column slightly from the lower end can make moving the columns easier as the rollers can catch.

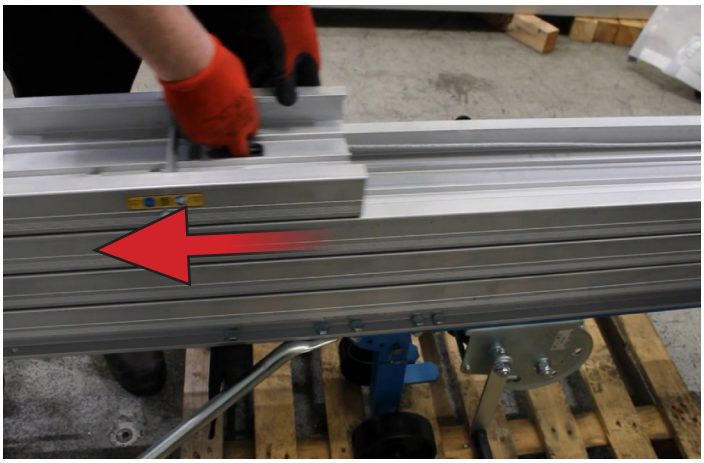
25

Fit the stops to the fixing plate in the designated holes at the bottom of each column.



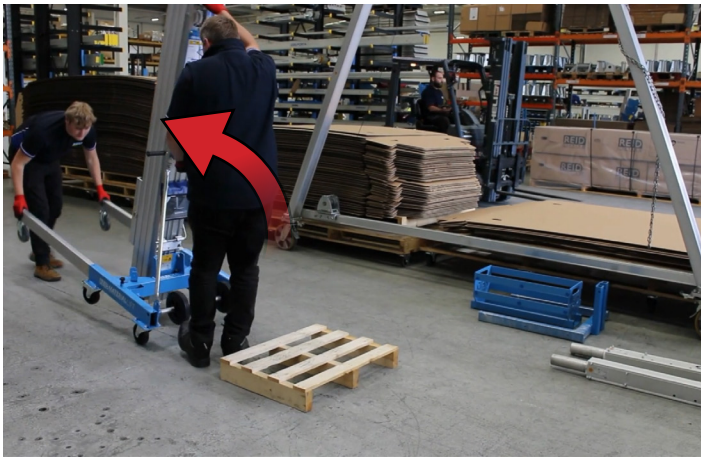
26

Slide all column sections down until they engage with the stops.



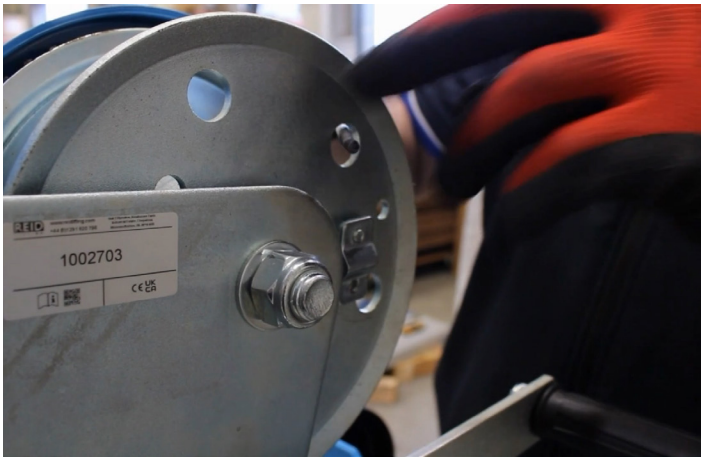
27

Remove the clamp fixing the carriage then move the carriage to its lowest position.



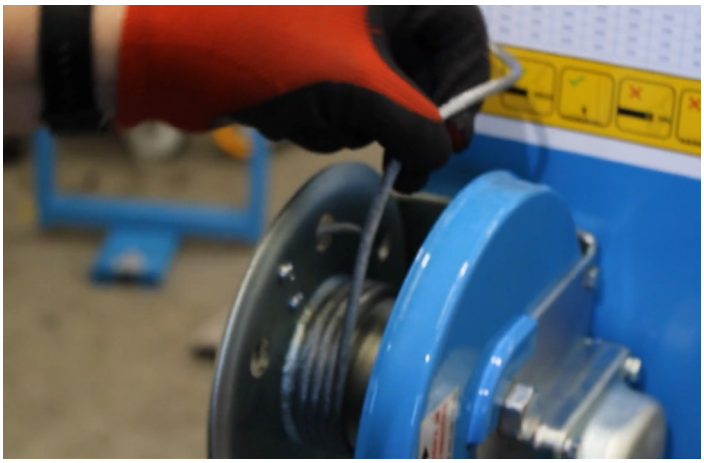
28

You can now lift the RML back to vertical using the outriggers for leverage.



29

Feed the cable through the drum of the winch and terminate under the clamp, making sure not to fix on the fuse and tapered section.



30

We can now wind the cable onto the drum, ensuring there are four wraps when the carriage is at its lowest point. The cable lay should be tight, starting from the left-hand flange of the drum.

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