

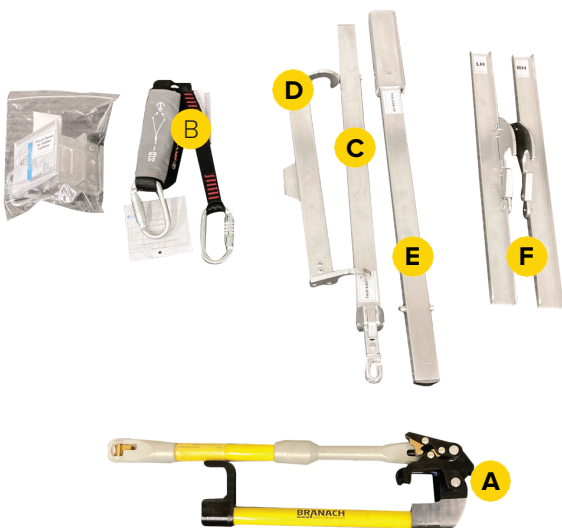
Davit Arm Accessory Instructions



Davit Arm Setup

Ladder Glossary

- A** Davit Arm for extension ladder
- B** Lanyard assembly (700mm)
- C** Davit arm T-bar strut
- D** Davit arm T-bar mount
- E** Davit arm T-bar extension strut
- F** Ladder fly protection kit
- G** Ladder upgrade kit from Fall Control to Davit Ready





User Instructions

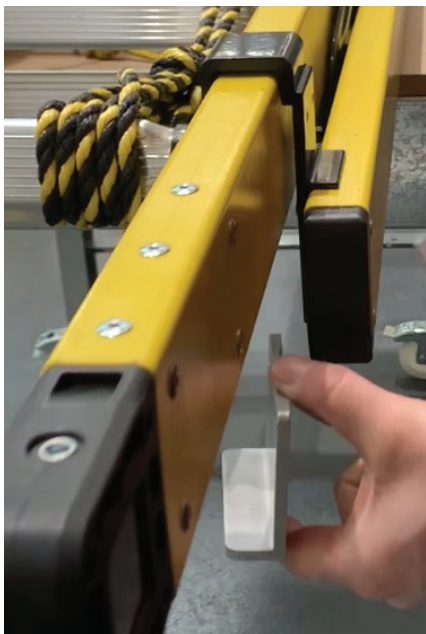
- Only use the Branch Davit Arm on ladders marked “Davit Ready”.
- Set ladder up according to user instructions.
- Obey weight limit on accessories.
- Fit accessories according to these instructions.
- Double check all locking mechanisms during assembly stages.
- Always remove accessories before transport
- Isolate work area to avoid trip hazards and Fall hazards.

Davit Ready ladder upgrade

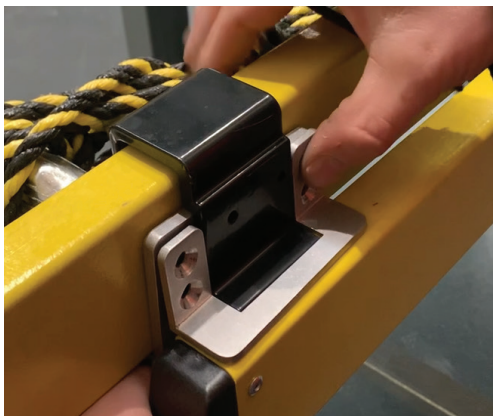
The Davit Arm can only be used on Branch Fall Control ladders that have been upgraded to “Davit ready.” This is a once-only, upgrade that requires a 4mm Allen Key and a 14mm spanner.

Fit the fly support brackets to the top of the base section of the ladder

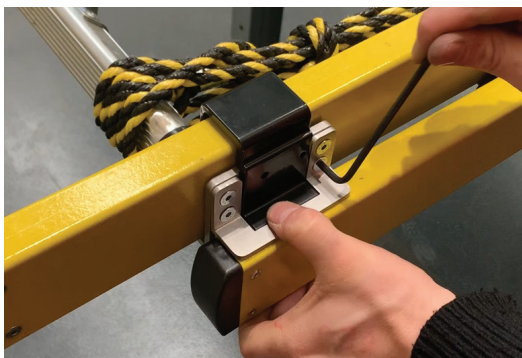
- Locate the fly support brackets in the ladder upgrade kit bag.
- Remove the 4 screws that hold the backing plate to the angle plate.
- Slide the larger angle plate between the fly and the base of the ladder and around the top guide bracket on the RH side of the ladder as shown.



- Fit the backing plate around the black top guide bracket.

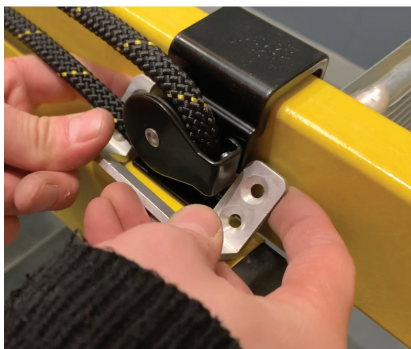


- Align and fit the 4 screws through the backing plate to the angle plate.
- Tighten the screws so the fly support bracket is securely clamped around the black ladder guide bracket.



Fit the LH fly support bracket to the ladder

- With the remaining fly support bracket, remove the screws and rotate the backing plate into position as shown.



- Slide the larger angle plate around the top guide bracket on the LH side of the ladder as shown.



- Align and fit the 4 screws through the backing plate to the angle plate
- Tighten the screws so the fly support bracket is securely clamped around the black ladder guide bracket

Fit the triangle connector to the fall arrest device

- Unscrew the triangle connector gate.
- Fit the triangle connector gate to the rope grab device through the carabiner mount point.
- Use a 14mm spanner to tighten the connector gate.



Fit the Davit Ready labels to the ladder

- On the right hand side of the ladder, above the Fall Control setup diagram, leave a 5cm gap and place the “Davit Access System”.



- Between the Davit Access System label and the Fall Control setup diagram, place the “Davit Ready” label.



- On the Left side of the top attachment, place the second “Davit Ready” label to the cross bar.



- On the inside face of the fly section of the ladder on the RH stile, just above the 3rd top rung, place the “Fly protection mount point” label.





Davit arm fitment

Open Davit Arm from stored position by pulling accessory open. Hint: don't latch it in the open position yet.



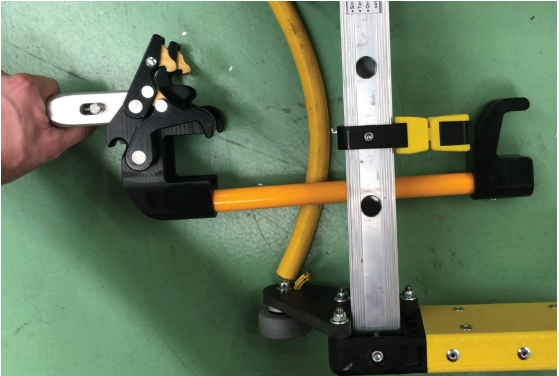
Unlatch ladder clamp mechanism

- Squeeze both gold latches together and pull up in the black lever arms until the clamp is open.

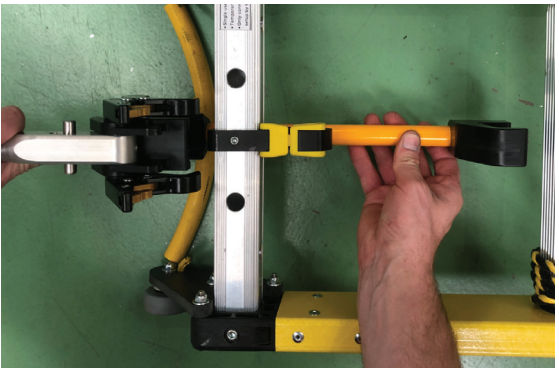


Fit the Davit arm to the ladder top attachment

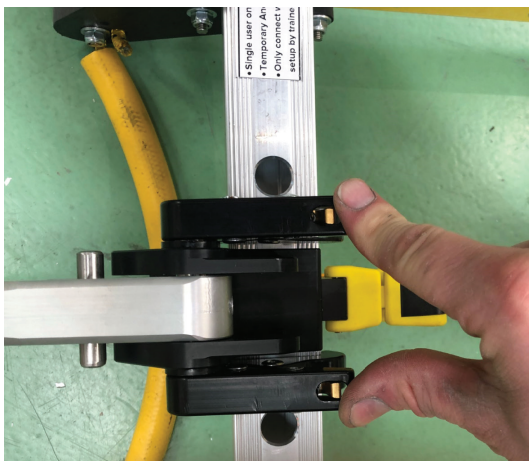
- Lay the ladder down horizontally so access to the top of the ladder can be reached.
- Turn the Davit Arm on it's side and fit it underneath the top attachment cross tube.



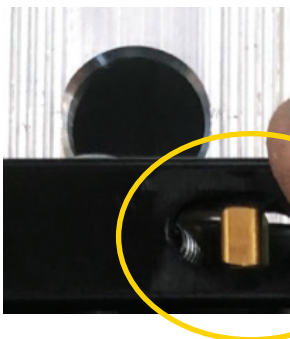
- Rotate the Davit arm so the top attachment hook fits over the top attachment cross tube.
- Align the Davit arm over the ladders central hook.



- Press down on the black latches to lock the Davit accessory to the ladder top attachment.



- Check both latches are fully closed and the gold locks are level with the black latch surface.

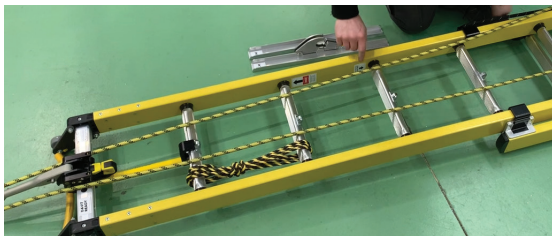




Ladder protection

Fit fly protection brackets to the fly of the ladder

- Extend the ladder 1.2 or 4 rung above the top of the base of the ladder.



- From the under side of the ladder, clip on the fly protection bracket over the 3rd rung. Fit the RH bracket to the RH side of the ladder.
- Repeat this process with on the opposite side of the ladder with the remaining fly protection bracket.



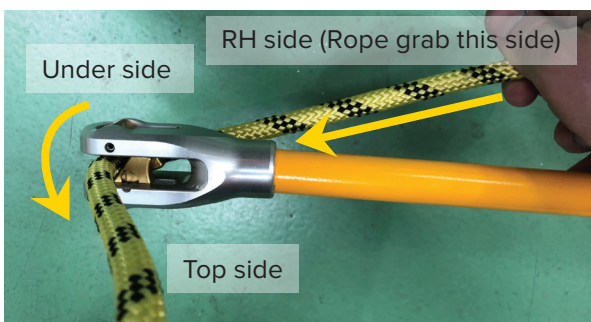
Ladder roping

Fit the lower end of the fall control rope to the descender

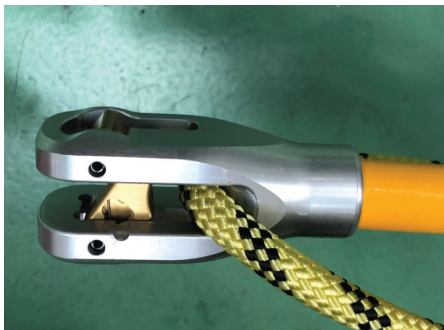
- Raise the fly section of the ladder by 1 rung to get better access to the descender.
- Insert the metal connector at the end of the rope into the RH side of the descender and rotate it anti-clockwise until it is vertical and it “clicks” into position.



- Fit the rope to the Davit Arm.
- Take the rope up the RH side of the ladder to the top of the davit arm.
- Fit the rope from under the Davit arm into the top of the davit arm rope gate.



- Inspect that the rope is between the rope gate and the top attachment point and both gates have closed so the rope cannot come out.



Lock the Davit arm into position

- Lift the top of the ladder off the ground and push the top of the davit arm down until it latches into position.
- Inspect that the latch pin has engaged in the housing.



Position the ladder

Set the ladder up into position

- Setup the ladder by deploying the Terrain Master to its extended leg position with 300mm step height.
- Extend the ladder until 1m of the ladder is above the surface you wish to transition onto.
- Hint the 3rd top rung where the fly protection brackets mount on should be close to the transition surface.
- Adjust the incline of the ladder to achieve a 4:1 incline.



Tension the descender

Fit the rope to the Descender

- Tension the fall arrest rope down the LH side of the ladder to the Descender.
- Rope the descender according the Fall control instruction procedure.



Secure the ladder to a structure

- Setup the tethers as specified in the fall control manual but don't completely tension the tethers yet.



Setup the T-bar Strut

- Fit the end of the T-Bar onto the tether ropes at the ground/wall attachment point. Start with the holes in the bar facing the RH side.
- Then rotate the bar 90 degrees counter clockwise so the holes face up. This will lock the T-bar to the tethers.



Fit the T-bar strut to the ladder

- Place the T-bar cross bar over the first round base rung.



- Fit the T-bar into the cross bar until it locks into position, capturing the rung. You may need to loosen the tethers to do this.



- If using ladders larger than 7.m, use the Davit arm T-bar extension strut to extend the T-bar strut.



- Tension the tether system. The ladder should be rigidly secured to the structure at this point.



Test the Fall Control setup

Test that the T-bar is providing the correct lateral stability

- Push sideways on the ladder to make sure it does not tip over. Tension tethers if required to make ladder secure.



Fit an approved harness and appropriate PPE and connect the front chest-D to the Fall Control rope grab.



Tension the rope line by lower the users weight until the ladder is supporting the users load via the rope line.



Ascending the ladder

- If not already connected to the ladder, connect the front harness attachment point to the rope grab triangle connector.
- Connect the supplied lanyard to the dorsal harness attachment point. Pass it around the LH side of the torso (under arm) and connect it to the rope grab triangle connector.



- Once you are connected to the rope grab, you can ascend the ladder.





Transitioning from the ladder

Transition from the ladder

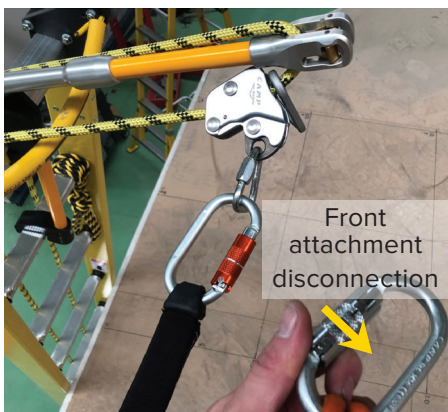
- Transition from the ladder to the work surface.



- Make sure the rope grab is as high as possible to limit any freefall in the event of a fall.



- Disconnect the front chest attachment from the rope grab device so only the lanyard is attached.



- You are now attached only to the Davit Arm and are free to work within the range of the lanyards radius.



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