

9R - Series 9 Rated Flat Mount Davit Setup CLASS

Product & Major Parts List

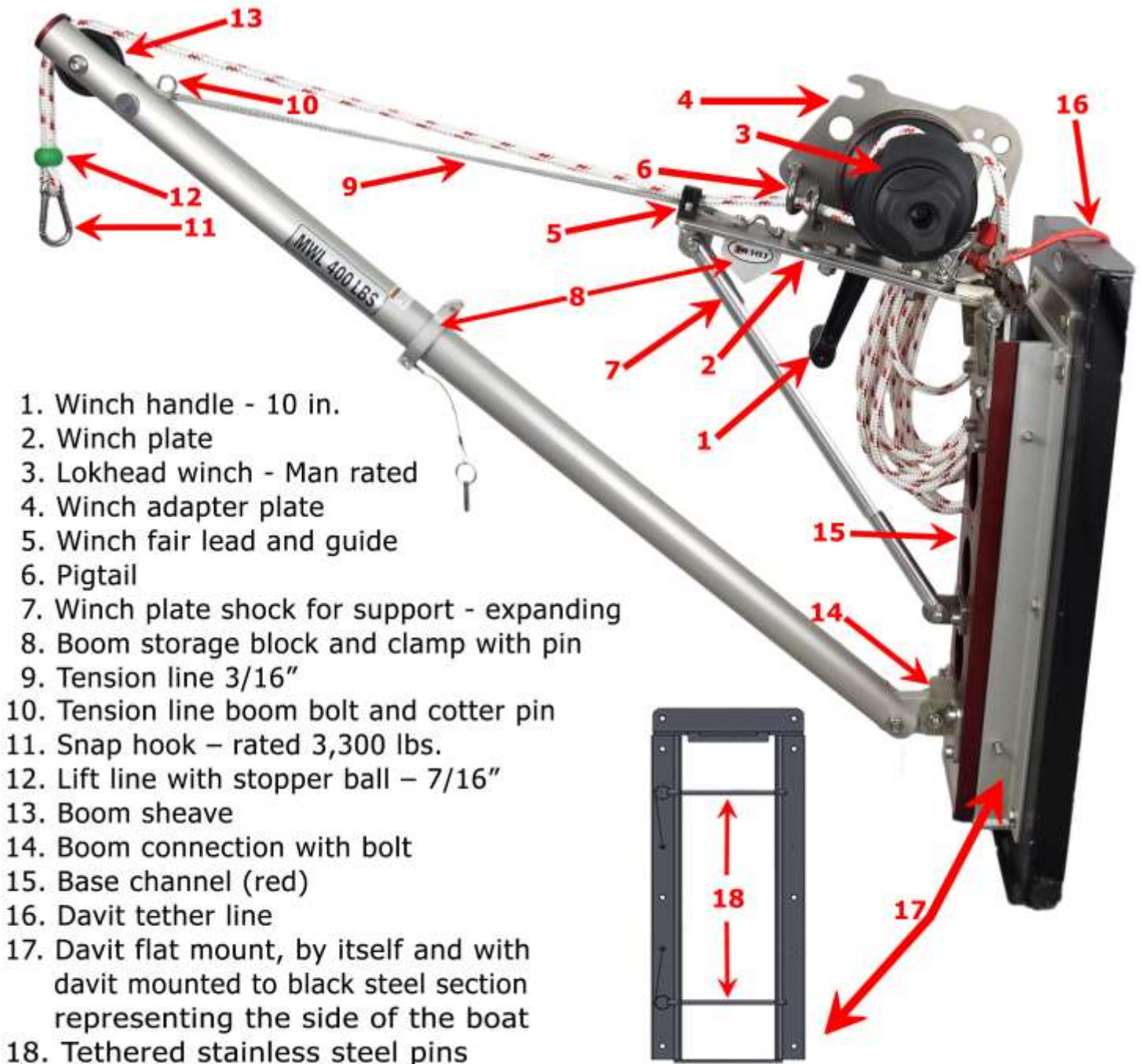


Image L1 - Product and Major Parts List

9R - Series 9 Rated Flat Mount Davit Setup CLASS - Continued

Flat Mount – Setup

One Time for the Vessel

Supplied Winch handle, lift line with stopper ball and snap hook, boom, tension line & connecting hardware. Flat mount frame with (2) two tethered pins.

Tools & Supplies Needed: 3/4" box wrench, Allen wrenches: 5/32" & 5/16", (8) eight 3/8" stainless steel bolts, or stainless steel U-bolts (handrail installation), pliers, NEVER•SEEZ® (Regular Grade or Mariner's Choice), LOCTITE® and a small diameter line for tethering to prevent davit from going overboard.

I. Installation Of The Flat Mount

- a. Determine the best location for the Flat Mount Rescue Davit, considering that it needs to be strong enough to support the loads, your company engineer, or boat architect **must** be involved and approve the mounting location and procedure.
- b. Attach mount with (8) eight 3/8" bolts or with U-Bolts if mounting to a handrail or railing what will adequately handle the load. Stainless steel bolts are required to comply with up to 400 lb. MWL. Bolts are not supplied.
- c. Additionally, the thread connection strength can be increased by using a Heli coil when blind threading. See **Image L3** below.
- d. If your vessel manufacturer or company engineer cannot assist with mounting questions you may have, call C-Hero®.
- e. The mounting should take into consideration the Flat Mount's standard 4'-3" long davit boom. Mount as high as possible, approximately shoulder height, and close to the vessel's edge.
- f. A 6'-8" long davit boom is available but only if the mounting to the vessel will support it.



Image L2 - 9R Davit mounted



Image L3 - Heli coil example

9R - Series 9 Rated Flat Mount Davit Setup CLASS - Continued

Flat Mount – Setup *continued*

Davit Boom Assembly

2. Boom Installation

- a. Stand the base unit up against the bulkhead.
- b. Take the nut and bolt off the davit connection point. Lay the davit boom on the deck (**Images 3 & 4**), with the slot for the tension line facing up (towards the unit).
- c. Tighten with a 5/16" Allen wrench and a 3/4" wrench using Never-Seez® (Regular Grade or Mariner's Choice).



Image L4 - Boom connected to davit base

3. Boom Red Tension Line Installation

- a. Take the pin out of the end of the davit boom.
- b. Prop up the davit boom then grab the gray tension line from under the winch plate.
- c. Place the eye of the red tension line in the slot and then pin it. Bend the cotter pin to secure it as shown in **Image L5** below.



Image L5 – Gray tension line is attached below the red/white lift line

Flat Mount – Setup *continued*

Lift Line

4. Lift Line Installation

- a. Thread the lift line with stopper ball and into the sheave at the end of the davit boom.
As shown in **Image 5** on the previous page.
- b. Check the lift line to make sure that it is not crossed with the tension line.
- c. Lead the lift line into the fairlead at the end of the winch plate.
- d. Thread the line into the pigtail before the winch.
- e. The winch gets loaded clockwise, 3 wraps, over the chrome tailing arm and into the tailing jaws.
- f. There should be about 1' of line from the winch.
- g. Tie an overhand knot on the end of the lift line, to prevent it from running out.
- h. Winch handle goes into the top of the winch, use thumb lock.
- i. Move the winch plate up till it stops, pull the gray tension line and secure the boom at the end of the winch plate with the pin.

5. Proper Loading of the Lokhead Winch

Step 1 - Pass the lift line inside the pigtail. Starting from the base, wind the line clockwise on the drum as shown in **Image L6**.

Step 2 - 3 wraps on the winch clockwise, ensuring the line doesn't override the winch, and over the chrome tailing arm as shown in **Image L7**.

Step 3 - Use your hand to move the cover, and place the line in the jaws, all the way around. The cover is shown in **Image L7**.



Image L6 – Lift line is through the pigtail and completing the first wrap around the drum.



Image L7 - 3 wraps on the winch clockwise, ensuring the line doesn't override the winch, and over the chrome tailing arm.

Flat Mount – Setup *continued*

Flat Mount & Boom Height Adjustment

6. Installation of the Rescue Davit into the mount

- Tether the Rescue Davit if mounted over the water.
- Tip the top of the Rescue Davit into the mount and under the top lip. Once engaged at the top, push the bottom of the Rescue Davit into the mount so that it fully seats flush.
- Pin the Rescue Davit into the mount with both of the tethered through pins.
- Hold the gray tension line and release the pin while slowly lowering the davit boom.
- Lower the davit boom slowly to its full extension.

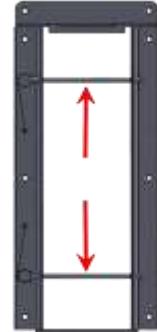


Image L8 - Mount showing top lip and the tethered stainless steel pins

NOTE: *The gray tension line is a fixed length piece of line, with no adjustments needed. If more angle is needed, call c-hero for another tension line length.*



Image L9 – Winch handle, attached to the winch. Note the spring thumb lock to put handle on and off



Image L10 – Close-up of davit folded up & pinned

9R - Series 9 Rated Flat Mount Davit Setup CLASS - Continued

Flat Mount – Setup *continued*

7. Tethers & Examples



Note: C-Hero® strongly recommends connecting a tether (not included) to the hole under the winch plate or around the winch plate. See Image L11.

Image L11 - Tether Line
(shown in red) not included



Image L12 - Davit Laying down, ready
to be carried by the 2" boom.



Image L13 – Boom folded up and mounted

8. The Flat Mount Rescue Davit One Time Adjustments Are Now Complete

- The Rescue Davit location and location of the davit mount should be visibly posted.
- Moving a Davit from one boat to another? Refer to the manual for setup.
- Best practice is to store the handle in the winch.