

THE ANCHORRESCUE[®] II

Installation and User Guide

Patent Pending

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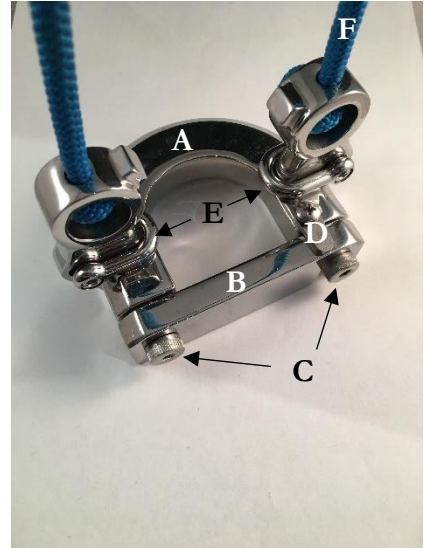
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Getting to Know the AnchorRescue II

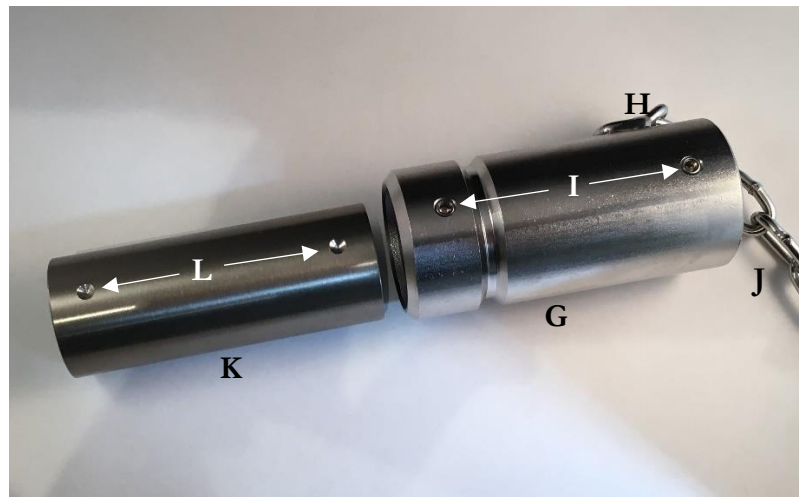
Congratulations on the purchase of your AnchorRescue II. Please take a few minutes to familiarize yourself with the system's components as it differs from the original design. This will aid in the installation and operation of the product.

AnchorRescue II Components

- A Retriever
- B Retriever gate
- C Shoulder bolts (2)
- D Gate lock tab
- E Retriever shackles (2)
- F Bridle line



- G Slider
- H Welded link
- I Setscrews (2)
- J Tether chain
- K Sleeve insert
- L Set screw divots



Installing the AnchorRescue II

The AnchorRescue II comes in a kit form, ready to be installed on a compatible anchor with 1/4" to 5/16" anchor chain (or line). If installing the AnchorRescue II on an anchor with 3/8" chain, the slider sleeve needs to be removed prior to installation. This is done by removing the two (2) setscrews and sliding out the sleeve. The setscrews do not need to be reinstalled.



Figure 1

1. Disconnect the anchor chain (or line) from the anchor. Positioning the slider with the “welded link” nearest the anchor, thread the anchor chain down through the slider and reattach the anchor chain to the anchor. (Fig. 1)

2. Remove the Velcro straps from the package and separate them by length. These will be used to attach the tether chain to the anchor shank. Notice that several lengths are supplied with the AnchorRescue, with the shorter ones used at the narrowest point of the shank and the larger ones at the widest point. Depending on the type and size of your anchor you will likely use a variety of different lengths as shown in Figures 6 and 8.
3. With both the anchor chain and tether chain taut, identify a link on the tether chain that will provide approximately 1 1/2 - 2 inches of space between the end of the slider and the anchor's shackle (or swivel) (Figs. 2, 3).
 - If the anchoring system includes a swivel, please review the section on **Installing AnchorRescue II with a Swivel**.



Link approx. 1-1/2" from anchor shackle and bottom of slider

Figure 2

4. Referring to Fig. 3 and 4, attach a short Velcro strap to the link in the tether chain identified in Step 3. The Velcro straps are attached to the tether chain as shown in Fig 4. then wrapped around the anchor shank and back onto themselves.



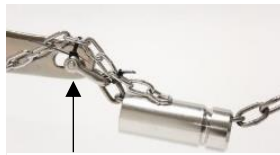
Attach tether chain to anchor chain with short Velcro strap.

Figure 3



Figure 4

5. Hold the tether chain forward over the shank of the anchor and identify a link in the tether chain that is directly over the “head” of the anchor. Attach this link to the anchor as shown in Fig.5, using a short Velcro strap.



Attach link to head of anchor
Figure 5

6. Run the balance of the tether chain forward along the top or the anchor shank to the anchor’s trip point. Identify a link in the tether chain slightly aft of the trip point and attach this link to the trip point using the shackle provided. You may have several unused links remaining. **Do not cut the tether chain to length yet.**
 - If your anchor does not have a trip line attachment, you will have to make one. If there is any question, contact the anchor manufacturer for the appropriate trip location.
 - Note that on some anchors the preferred attachment point is on the top of the plow and may require an oversized shackle and/or specialized shackle. It is up to the user to determine the ideal attachment point for their anchor and an appropriate shackle.
7. Attach additional Velcro straps of suitable length and number to the tether chain. Now attach the tether chain to the shank using the Velcro straps. Ideally, you want the tether chain to lay along the shank with minimal slack as shown on the Spade anchor in Fig. 6. The final configuration will depend on the type anchor you have. For example, a Rocna, the tether will run down the top of the shank and then over the roll-bar (Fig 7.), whereas with a CQR, you can run the tether chain down the side of the shank (Fig 8.). Refer to the gallery on our website for installation photos for different anchors.



Figure 6



Figure 7 – Rocna 25 Installation



Figure 8 – 60# CQR Installation

8. Trim the Velcro straps so that not more than 1" is overlapping onto itself. An overlap greater than 1" may make it difficult to separate the Velcro when recovering the anchor.
9. When confident that you have the correct tether length, cut the tether chain to length with a suitable tool. Note: It's easier to shorten a chain than to lengthen one!

Installation Tips

1. If possible, it is best to lead the tether along the anchor shank on the side away from the protruding pin on the anchor shackle to avoid interference.
2. Always keep the tether chain secured to the shank and out of the way during anchoring. This practice will prevent interference with the bow roller and avoid fouling with objects on the bottom.
3. For pivoting anchors like the CQR, you will want to use additional ties to create some slack in the tether at the crown to allow for movement.
4. If your anchor rode is a combination of chain and line, you may need a chain to rope splice as the connecting thimble will likely be too large to allow the retriever to pass over.
5. If the Velcro straps are too difficult to break apart, you can cut the end tips into two 1" fingers and fold one of the fingers back onto itself, reducing the amount of Velcro securing the tie by half. Refer to Fig. 9
6. Do not secure the tether chain to the anchor rode when installing the AnchorRescue II with a swivel. Refer to special instructions for installing with a swivel.
7. If additional length is required, Velcro can be connected together

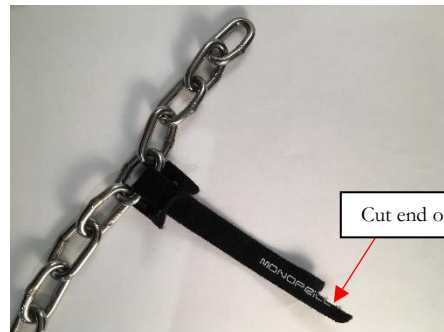


Figure 9

Changing the size of your anchor chain

The AnchorRescue II kit can accommodate chain sizes from 1/4" to 3/8" (6mm to 10mm) by inserting or removing the slider insert. The product ships ready to accept 1/4" to 5/16" (6 - 8mm) chain but by removing the insert you can use up to 3/8" BBB chain (8 - 10mm). This is done by simply removing the two setscrews and slider insert.

To revert to a smaller chain size, place the insert back into the slider and secure by tightening the two setscrews into the corresponding divots. We recommend securing the setscrews with Loctite.

Installing the AnchorRescue II with a Swivel

Chain swivels are designed to connect an anchor to the rode, while allowing the vessel to swing with the wind/current with minimal twisting of the anchor chain. The intent is to prevent unintentional tripping of the anchor and by minimizing twist, allow the chain/anchor to pass more easily over the bow roller during retrieval.

The AnchorRescue II system is engineered to work with most popular types of swivels. These include standard, double shackle and double eye, locking, and twisted swivels.

Notes: The AnchorRescue II system isn't compatible with certain types of twisted swivels. Always follow the swivel manufacturer's installation instructions for their swivel.

When installing the AnchorRescue II with a compatible swivel, follow the standard installation instructions except for steps 3 and 4. DO NOT attach the tether chain to the anchor chain.

Proceed to step 5 and attach the tether chain to the head of the anchor as shown in Fig. 5 and complete installation per the standard instructions. Prior to finishing the installation, check to make sure the slider rotates freely.

The slider is designed to rotate on top of or over the swivel and it is important that the anchor chain and swivel rotate independently of each other. The tether chain connecting the slider to the anchor's trip point should not interfere with the swivel's rotation.

Installing the AnchorRescue II with Roll-bar Anchors

The AnchorRescue II is compatible with roll-bar anchors, including the Excel, Rocna and Manson. The preferred method of attaching the tether chain to the trip point of these anchors is to run the tether chain up and over the roll-bar and down to the top of the plow.

This is advantageous because during retrieval of a fouled anchor, this extra length of chain increases the leverage by pulling the anchor out from the top of the plow.

The ARSS Kit comes with 54' of tether chain. In some cases, it may be necessary to extend the length of tether chain to facilitate the connection. Scanmar offers an optional tether extension kit containing an extra length of chain and a connector link.



Using the AnchorRescue II

Once installed, the AnchorRescue II is designed to integrate seamlessly into your anchoring system and should not interfere with your anchoring system or routine.

Whenever retrieving the anchor and stowing it back on deck, conduct a quick visual inspection to check that the Velcro ties that secure the tether chain to the anchor's shank are still in place. Replace any missing ties before re-deploying the anchor.

Once you determine that your anchor is fouled and you're ready to deploy the AnchorRescue II, make sure the conditions allow for a successful recovery operation. **Always wear a PFD and tethered safety harness when using the AnchorRescue II to recover a fouled anchor.**

1. Remove the AnchorRescue II retriever from stowed location. Using a bowline knot or equivalent, attach a retrieval line to the bridle of the retriever (the bridle is the loop of line at the top of the retriever). Make sure that the line is long enough to reach the depth of the anchor and attach the bitter end of the retrieval line to a secure fitting on the boat.
2. Make sure the AnchorRescue II shackles located on the inside of the retriever move freely.
3. Open the retriever gate and slide the retriever onto the anchor rode below the bow roller. Close the gate and secure it with the locking tab. Do not feed the retriever line through the bow roller.
4. Slowly position the boat until the anchor rode is near vertical and there is tension in the system. This ensures that the slider is pointed towards the surface of the water, ready to accept the retriever.
5. Lower the retriever down the anchor rode until it connects to the slider. Once the retriever is successfully connected; the line will go slack, and you will no longer be able to easily raise the retriever. In some conditions, the retriever may not capture the slider on the first try. If this happens, gently raise and lower the retriever until the slider is successfully captured.
6. Once the retriever connects to the slider and **before** pulling up on the tether line, it is important to remove the tension in the system and create slack in the anchor rode. This allows the lift point to transition from the shank to the crown of the anchor.
7. Pull up on the retriever line with enough force to release the Velcro ties that secure the tether chain to the anchor shank. Using a hand-over-hand technique, raise the retriever, preferably without relying on the windlass' capstan until the anchor is free of the bottom.

Note: If your anchor is large and you use the capstan or a winch, the load limit of the AnchorRescue II may be exceeded when lifting the retriever line. The AnchorRescue II maximum load limit is 1,000 lb.

8. Once the anchor is free of the foul and clears the obstruction, you can begin to retrieve the anchor rode as you normally would using the windlass or by manual operation. As the anchor rode is being recovered, retrieve the AnchorRescue II retriever line (which is still attached to the anchor) to prevent fouling.
9. When the anchor reaches the surface and before the retriever contacts the bow roller, move the retriever's locking tab allowing you to open the retriever gate and remove the retriever from around the anchor rode.

10. Once the retriever is removed from the anchor rode, the anchor can be brought over the bow roller and secured normally.
11. With the anchor safely stowed and the boat under control, take this opportunity to inspect the anchor and anchor attachment points (Velcro straps, tether chain, swivel, shackles, etc.) and repair or replace as necessary. The AnchorRescue II is now ready to protect the anchor from a snag the next time you deploy the anchor.
12. Before stowing the retriever, inspect the unit to make sure that all the bolts are tight and rinse with fresh water when available.

Using the AnchorRescue II with a GoPro Style Camera

The AnchorRescue II has a standard 1/4"-20 tripod thread on the retriever gate for attaching a camera. This allows the anchor to be viewed at any time prior to beginning the recovery operation.

Note that the camera and fittings for connecting the camera to the retriever are not included with the AnchorRescue II.

When attaching a camera, we suggest using a thread locker like Loctite to secure the camera mount to the retriever.

To allow retrieval of the camera and to avoid having the retriever "lock" onto the slider, pin back the stainless shackles on the retriever with wire ties as shown in Figure 10. This will prevent the shackles from engaging with the slider, allowing the retriever (with camera) to be raised and lowered freely.

When ready to retrieve the anchor, remove the camera and cut the wire ties. Proceed with the anchor recovery as normal.

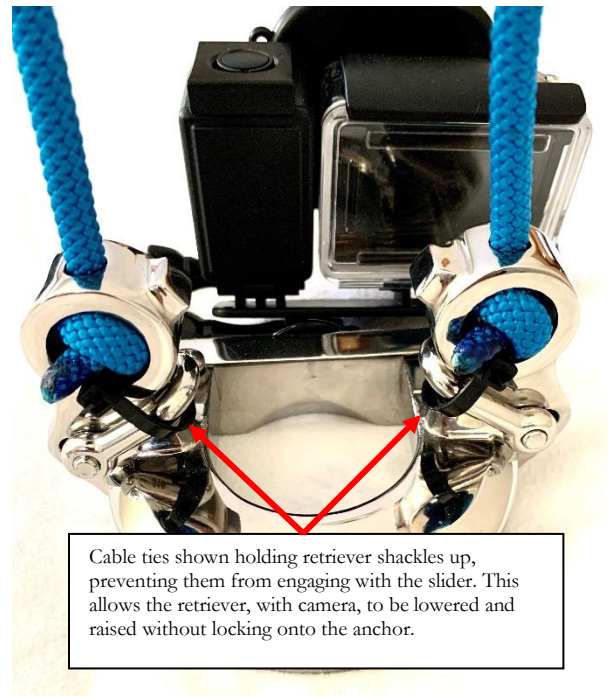


Figure 10