

VERSACHOCK®

Innovative Marine Solutions
www.versachock.com

Owners Manual

Tilting Davits (3RD Generation)

(REV. 10/19/23)

Models: VCTILTG3/VCTILTG3WHL



VCTILTG3WHL



VCTILTG3



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Mission Statement

VersaChock is committed to offer our customers the most innovative, high-quality products, while providing the best customer service.



VCTILTG3WHL



VCTILTG3

Features and Specifications

- 2 removable tilting davit arms made of HDPE/Stainless steel hardware.
- 4 low-profile stainless steel threaded deck plates, bolts, and wrenches included.
- Self latching mechanism for hands free locking when davit arms are rotated down (hitch pins still need to be inserted for final securing).
- Mini wrenches attached to hitch pin lanyards for quick removal/attachment
- Capacity: 350 lbs.
- 20 soft rubber wheels included for VCTILTG3W model (assist for loading, as well as cradle rigid hull shapes).
- Dimensions (approximate): 47" L x 3"W x 7"H.
- Tie downs and pad eyes sold separately.
- Winch options are sold separately.
- Twelve #10 (3/16") screws required for installation (not included).



Thank you

for purchasing a VersaChock product! We strive at creating and manufacturing the most innovative, highest quality products. VersaChock products are manufactured by Jefferson Design Inc, based in Tampa Bay Florida. We support local suppliers whenever possible and assemble everything here in the Tampa Bay area. We hope our products offer you great enjoyment for many years. We always welcome your comments and feedback! If you have any questions or concerns, please do not hesitate to contact us. Your satisfaction is our number one priority!

Policies

Liability

The installation and use of VersaChock products are entirely the customers' risk. We highly recommend an experienced technician evaluate the product specification, usage and installation prior to purchase/installation. We also recommend professional installation. Safety and customer satisfaction are our number one priority!

Warranty

VersaChock warrants products due manufacturers defects for one year from date of purchase to original retail purchaser. VersaChock will, at its discretion, repair or replace the defective product. Shipping costs, labor for product removal/installation, loss of use, loss of time, consequential loss, or any other claim of loss arising, will not be the responsibility of VersaChock (unless required by law) VersaChock will not be responsible for improper installation/use, abuse, overloading product, extreme conditions, or neglect.

Returns

Returns will only be accepted with a pre-authorized RA (Return Authorization) Please contact customer service to obtain an RA.

Defective returns: will only be accepted with an RA. Return must include description of defect. Refund will be issued if defect is due to the fault of VersaChock.

Shipping Damage and Loss

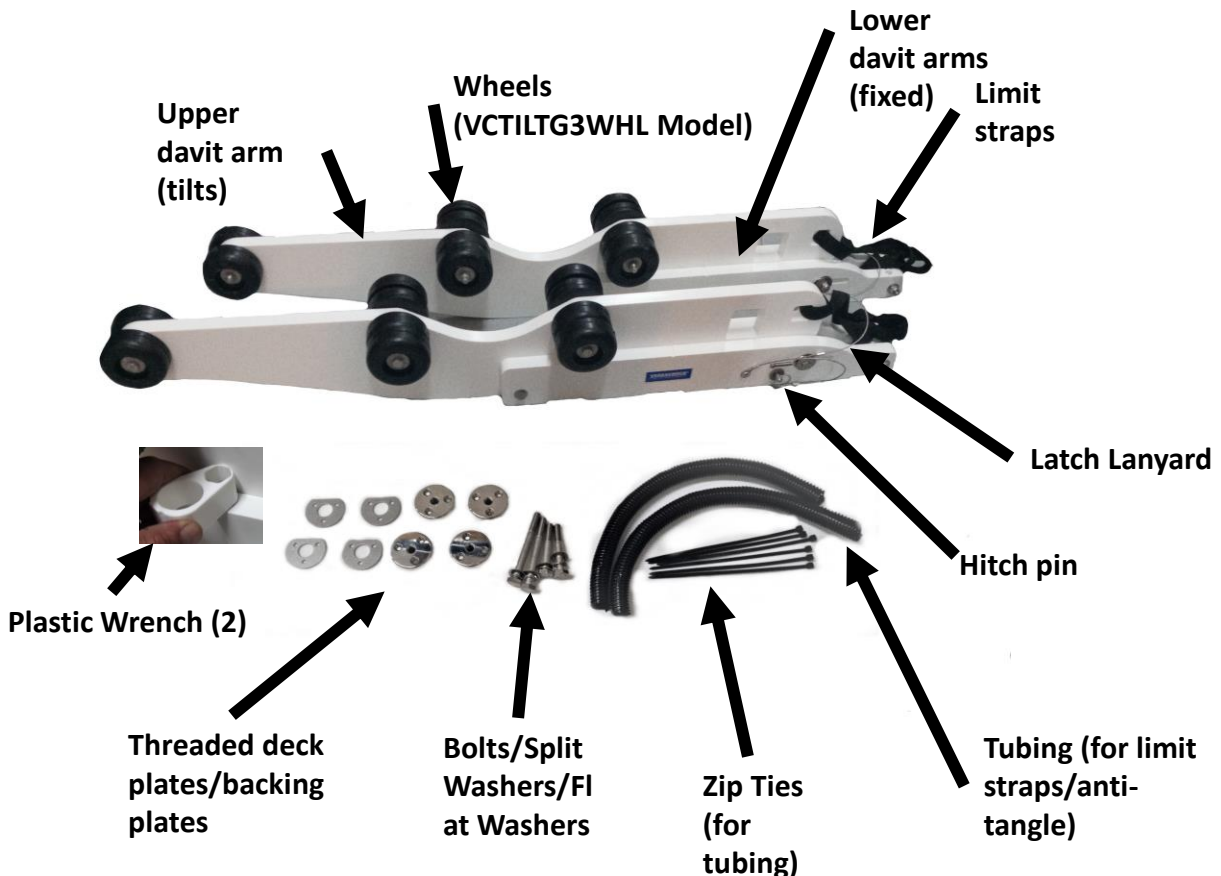
VersaChock inspects 100% of product packed and shipped, so it is not likely product to have damage caused prior to shipping. All damage and loss due to shipping will require claims be made with shipping carrier. Please contact carrier immediately upon damage or loss.

**** VersaChock Customer Service will provide assistance for returns and claims in order to provide the best experience for our customers! Your satisfaction is our number one priority!**

Important Notes:

- Please seek professional installation if you are not comfortable installing yourself.
- Under no circumstances should person/s or animal be allowed in watercraft whether loading, or in stored position.
- Do not add additional gear, etc. that may subject the watercraft to be over the maximum weight capacity.
- Always pull drain plug when stored to prevent excess water to accumulate, which could cause excess weight.
- Ample Tie downs must be installed in order to secure watercraft.
- Be sure the attachment bolts are secure before each use.
- Rinse with freshwater after each use, as saltwater and other contaminants can cause staining, even though we use the most corrosion resistant materials. A periodic thin coat of corrosion proof spray can also help protect the metal parts.
- Not intended for use in extreme conditions (ie: high forces from water, wind, etc)
- Not following any of the above may result in damage, loss and/or serious injury.

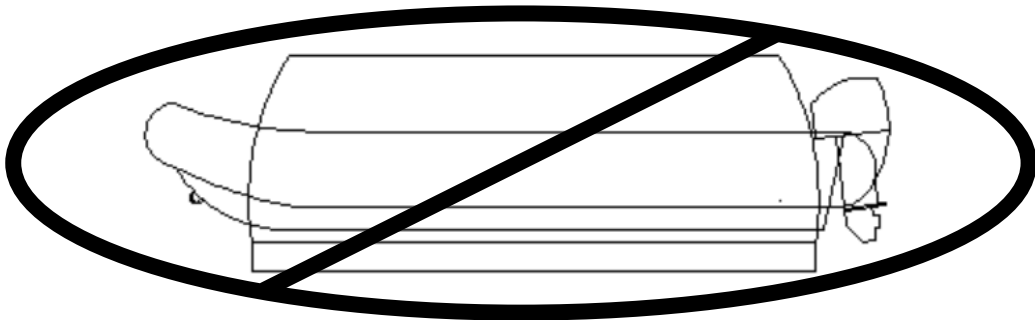
Get Familiar With Your Kit



Installation Tips

- Please seek professional installation help if you are not comfortable installing yourself.
- Avoid locating watercraft where it may be subject to extreme forces (ie: avoid allowing outboard exposure to water running along side of platform, cross waves, back wash, etc.
- Check the integrity of the hull to make sure proper support will be provided.
- Be sure to install adequate tie downs. There are too many variables to specify exact tie down locations for every application, but we have provided some recommendations on the attached diagrams.
- There are too many variables to give specific instructions for every application.
- Please contact a professional installer if you are not comfortable installing this product.
- Please note there are two spacing options. Standard spacing for most swim platforms and an optional spacing for narrower swim platforms. Standard spacing holes are provided in all models and provide optimal . For narrower swim platforms, the optional holes must be drilled by installer (see diagrams in the following pages).

Size Configuration

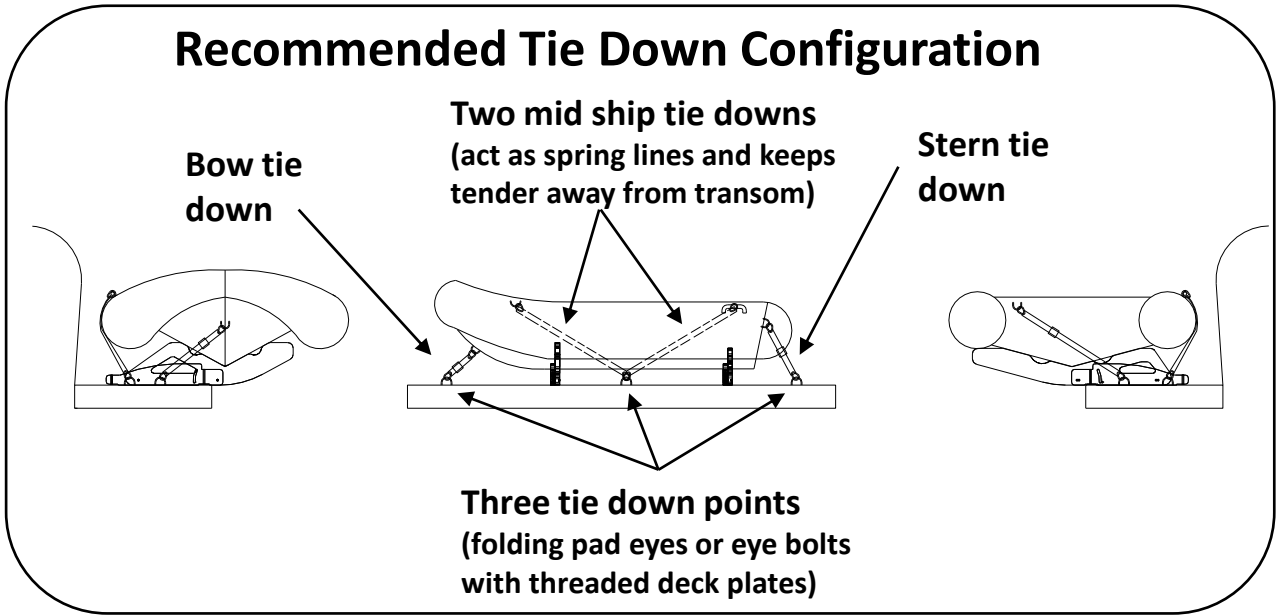


Not Recommended



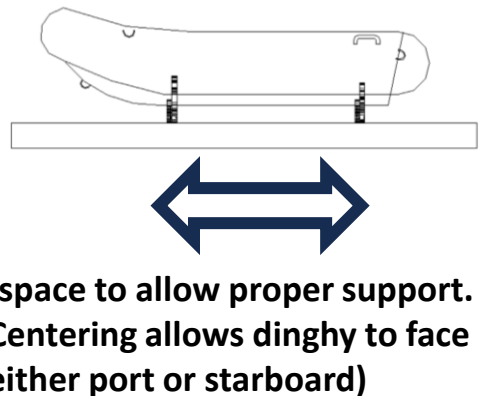
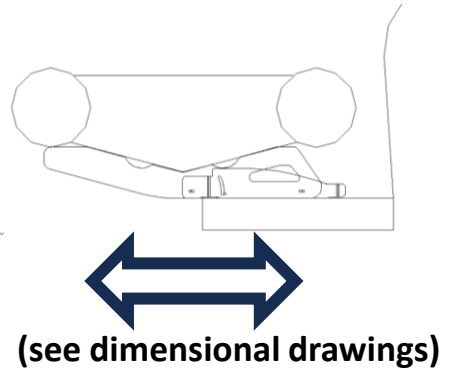
Recommended

Recommended Tie Down Configuration



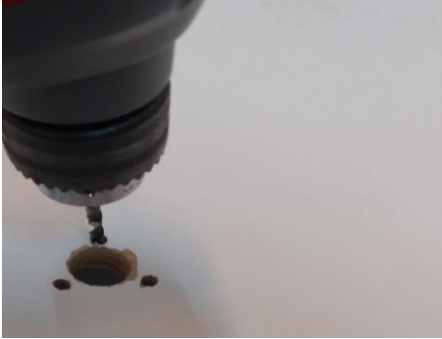
Basic Steps for Tilting Davit Installation

1. Determine whether standard hole locations or narrower platform hole locations are required (see dimensional drawings on following pages).
2. Position davit arms on platform fore/aft by using the dimensional drawings in the back of this manual.
3. Position the davit arms laterally (side to side). This may be accomplished by determining optimal spacing to support the dinghy. A good start point is 3' for an 8-9' dinghy, 4' for a 10-12 foot dinghy (these are only for reference only. Watercraft can have many variables that can affect spacing for proper support). Also, centering the davit arms on the platform may allow for positioning the dinghy facing port or starboard (if possible). This can be helpful with certain docking situations.
4. Check that davit arm locations will offer ample structure to support the weight and force for the davits and dinghy, as well as there are no obstructions or clearance issues for the davits, deck plates, and deck plate screws.





5. Once davit arms are located in desired position, mark the two holes closest to the edge of the platform.



8. Remove the deck plates and drill the six screw holes.



9. Apply sealant, as desired.

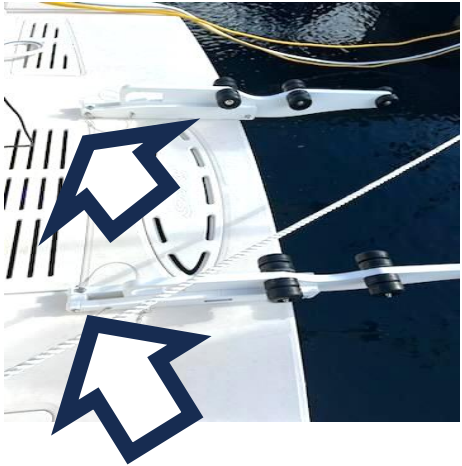
10. Install deck plates with six screws, backing plates, washers and nuts.



6. Drill a 3/4" hole in each of the two locations.



7. Insert the threaded deck plates and mark the six screw holes.



11. Temporarily install davit arms with bolts and mark forward mounting hole locations.

12. Repeat installation steps for threaded deck plates.

13. DONE!

How to Use Davits



1. Install davits threading the longer (M10) bolts towards the edge of the platform, and the shorter bolts towards the transom into the threaded deck plates.
2. Tighten bolts with 17 mm wrench, or plastic wrench provided.



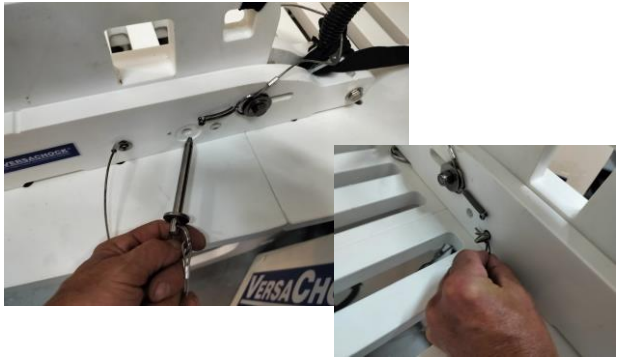
3. Remove hitch pins.
4. Pull lanyard cable to release latch.



5. Adjust limit straps so the tips of the davit arms are just below the center of the dinghy tubes.
6. Slide the corrugated tubes up tight to the davit arms
7. Attach zip ties so corrugated tubes can't slide down (Leave at least one inch of the zip tie tail when trimming so tubes can't slide down).



8. Once dinghy is loaded onto the davits, rotate the arms downward until both latches engage.



9. Insert hitch pins and hair pins to completely secure dinghy.

10. Be sure to secure with tie downs.

11. Enjoy!

Other Helpful Hints



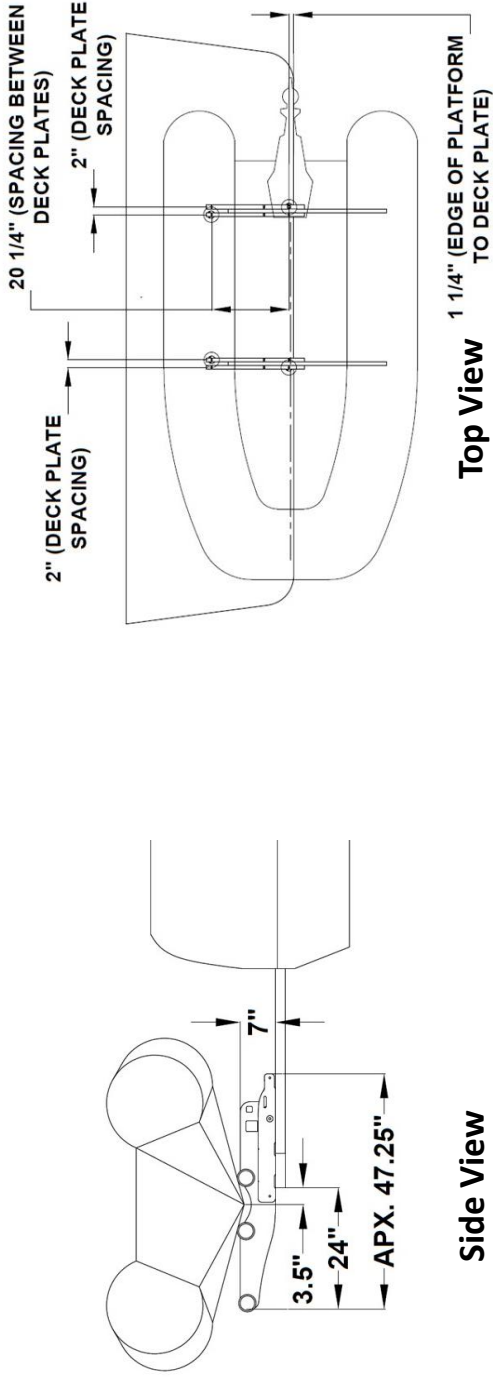
- Periodically, apply grease (white lithium works well) onto the latch surfaces.
- Rinse system with fresh water after use, especially if used in salt water.
- Periodically, apply anti-corrosion protectant to all hardware.



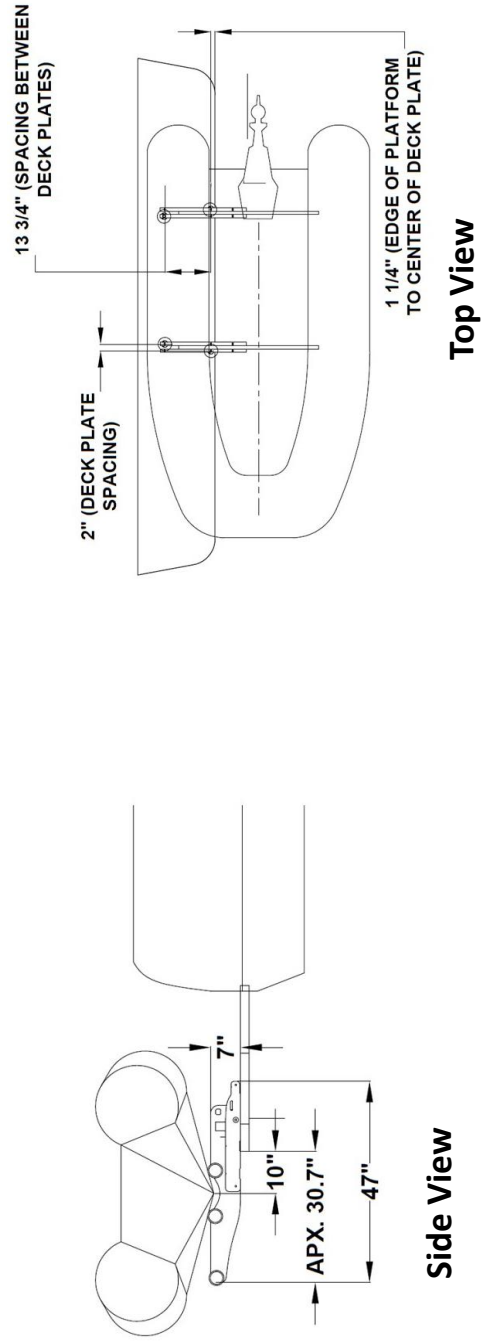
- Be sure latch cable release is routed behind limit strap so cable does not get pinched under davit arm.

Dimensional Drawings

Standard Platform Setup Dimensions



Narrow Platform Setup Dimensions





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Jefferson Design Inc, specializes in marine accessories,
automotive and consumer product design/development
and manufacturing. With over 35 years of experience,
Jefferson Design Inc has the expertise to provide our
customers with the highest quality products with the most
innovative design.
All VersaChock® products are proudly made in the USA.

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