

# **FORESPAR<sup>®</sup>**

## **QUIK DAVIT<sup>™</sup>**

### **QUIK DAVIT<sup>™</sup> and FAST KIT<sup>™</sup>** **Installation Instructions**

The Forespar<sup>®</sup> **QUIK DAVIT<sup>™</sup>** system provides a more secure and more stable solution to securing your inflatable boat to the swim step of your vessel. Loading and unloading people and gear is now easier and safer. And with the **QUIK DAVIT<sup>™</sup>** system your inflatable boat is pulled up out of the water and stowed on the swim step when your vessel is underway. No more towing.

These installation instructions will guide you through the process of mounting the pads on your inflatable boat and installing the davit heads and **FAST KIT<sup>™</sup>** on your swim step.

**Care must be taken to ensure that these components are mounted securely.**

**The outboard motor MUST be removed prior to pulling the inflatable boat up and out of the water onto the swim step.**

**Not for use in rough conditions or where significant wakes are present. Although this davit system facilitates loading and unloading people and gear, care must be taken to ensure the safety of people transiting to and from your dinghy. It is prudent to always expect the unexpected.**



<u>QUIK DAVIT<sup>™</sup></u>	<u>Full Kit</u>	<u>153470</u>	<u>P/N</u>
Davit Heads (2)	Only		153475
RIB Pads (2)	} Kit*		153476
S/S Yokes (2)			
Yoke Pins (2)			
Adhesive Kit (1)	Only		153478
Fasteners (8 sets)			

<u>FAST KIT<sup>™</sup></u>	<u>Full Kit</u>	<u>153477</u>
Fast Kit Shoes (2)		
Fast Pins w/ Wire Lanyards (2)		
Fasteners (8 sets)		
Fast Pin Water Barriers (2)		



**First** check to ensure all listed components are present in your kit.

If parts are missing or if you need custom davit head adjustments **DO NOT RETURN THIS PRODUCT TO THE STORE WHERE YOU BOUGHT IT.** Work directly with Forespar<sup>®</sup>.

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The stainless steel yoke is designed to be installed into the pad from below, as shown.

If the inflatable boat is stowed deflated and rolled between uses, the yokes should be removed to prevent damage to the inflatable boat surface.

The davit heads can be installed permanently to the swim step or, combined with the **FAST KIT™** option, the davit heads can be removed from the shoes and stowed.

**You will need:**

- Adhesive Kit (Included)
- Acetone\* & lint free towel
- Hard Roller
- Pencil

\* In addition to or instead of acetone, MEK or Toluene both work well for preparation and cleanup. Check with local ordinances to ensure these solvents comply before use.

**Safety Procedures:**

- Adhesive and Curing agent are extremely flammable. Toxic. Vapor is harmful. Vapor may ignite explosively.
- Work in a well-ventilated area.
- Use of a respirator, chemical resistant gloves, and eye protection is recommended.
- FOLLOW ALL SAFETY INSTRUCTIONS ON THE INDIVIDUAL PRODUCT LABELS.

*Pad*

*Yoke*

*Pins*





**Carefully consider the placement of the pads with regard to swim step bracing and other impediments to davit head installation.**

While installing your davits can be accomplished in a controlled environment by the owner/ crewman, Forespar recommends having an experienced inflatable boat repair facility glue your pads. Forespar is not responsible for incorrectly glued pads or installed davits. If you have questions after these instructions have been studied call Forespar Customer Service.

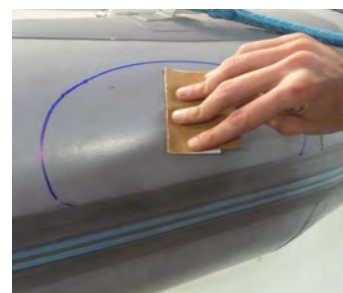
**See page 7 for complete Universal Adhesive Kit Instructions.**

**See page 8 for complete information about PVC vs. Hypalon.**

**NOT TO BE USED IN A HUMID OR DAMP ENVIRONMENT or in cool/cold temperatures below 65 degree (18C). Do not try to adhere items to your inflatable boat on the dock, in the rain or in very high humidity.**

1. Determine where the davit heads will be installed on the swim step and mark. Greater separation of the heads will give better stability for the inflatable boat and reduce loads on the components. Line up the inflatable boat with the swim step and mark the location of the mounting pads. Align and place the bottom of the pad on the top of the inflatable boat's rub strip.
2. **HYPALON BOATS ONLY.** Sand the area where the pads will be located. Just rough up these areas to remove the shine; take care not to sand down to the threads. Use a lint free towel and acetone to thoroughly clean the areas where the pads will be mounted on both PVC and HYPALON boats. Do not sand boats made of PVC. (See page 8.)
3. **FULLY DEFLATE** your boat so that you can roll the pad (in step 7 below) on a firm surface under the boat or so you can feel a hard surface "through" the boat fabric.
4. Mix your adhesive. (See page 7.) Keep glue covered when not in use.
5. Be sure the surfaces to be joined are clean and dry and apply a liberal, even coat of adhesive to both the davit and inflatable with the brush supplied. Wait until the adhesive is tacky in 8 to 10 minutes, depending on conditions. (Use the "knuckle" test. Touch your gloved knuckle to the glue. You should be able to feel tack without your knuckle sticking.)
6. Apply a second coat to both surfaces. **Immediately** press the pads onto the inflatable boat. If the adhesive dries too quickly, reactivate it by thoroughly heating with a heat gun or hair dryer.
7. Remember to **FULLY DEFLATE** your boat. Once the pads are pressed onto the dinghy thoroughly apply heavy pressure to the entire pad with a hard roller pressing from the center outward to remove all the air and ensure a strong bond. Use a lint-free towel and acetone to clean up excess glue.

**COMPLETE DRYING TIME TAKES APPROXIMATELY 48 HOURS. Do not inflate or fold your inflatable boat or leave it in the sun or disturb the pads until the adhesive has FULLY cured. Do not expose to sun for a minimum of 12 hours.**



**QUIK DAVIT HEADS DO NOT FLOAT**

You may want to tie a safety string onto the heads so they cannot go overboard and sink.

7. The next step is to install the davit heads on the swim step of the yacht. After the pads are fully cured, install the stainless steel yokes. Inflate your boat and use it to help position the davit heads as follows.

8. Hold the first davit head on the swim step and line it up with the pad on the dinghy. Mark and drill the holes. Insert the bolts provided (or longer, if necessary) and attach them under the swim step with the washers and nuts provided.



9. Attach the mounted davit head to your dinghy pad and use this to line up the second pad and davit head. Attach the remaining davit head to the second pad to ensure accurate marking of the fastener locations.

10. If the bolts provided are longer than needed, you should cut them to length to ensure a clean installation and avoid protruding bolt ends.

### Fast Kit™ Installation

1. The **Fast Kit™** can be installed over the mounting holes of your existing QUIK Davit™ heads – remove the davit heads and seal the existing holes. For new installations, position the **Fast Kit™** plate and davit heads to line up with the pads installed on your inflatable boat. Mark all five hole positions. Drill a 5/8" diameter hole about 1/2" deep in the center inboard hole position and install the fast pin water barrier plug and seal well. Drill 17/64" diameter holes for the four corner holes all the way through the swim step.



2. Fasten **Fast Kit™** plate to swim step. Insert the bolts provided (or longer, if necessary) and attach them under the swim step with the washers and nuts provided.



3. If the bolts provided are longer than needed, you should cut them to length to ensure a clean installation and avoid protruding bolt ends.

4. Attach the mounted davit head to your dinghy pad and use this to line up the second pad and davit head. Attach the remaining davit head to the second pad to ensure accurate marking of the fastener locations.

5. Wrap the fast pin lanyard around the base of the davit head once or twice, as preferred. Insert the small loop through the split ring completely to secure your davit head. Slide the davit into the **Fast Kit™** plate and insert the pin completely into the hole. If the bolts provided are longer than needed, you should cut them to length to ensure a clean installation and avoid protruding bolt ends.



6. With the Fast Kit now installed, this low profile stainless steel bracket/adaptor system makes it easy to move around your swim platform and allows quick, easy removal and storage of the davit heads.



## QUIK Davit™ Head Adjustments

If your boat requires adjusted QUIK Davit™ heads DO NOT RETURN THIS PRODUCT TO THE STORE WHERE YOU BOUGHT IT. Work directly with Forespar®.

We have multiple options for you to get what you need directly from us, some as quickly as the next business day, costing only \$89 (after return credit) plus shipping. Read these instructions, complete the QUIK Davit Adjustments Form, and send directly to Forespar or call us at 800-266-8820 after you have completed the form.

If you want more clearance between your inflatable and the swim platform due to:

- The need to miss an obstruction such as a ladder extension

- The trailing radius of the platform is curved

- The edge of the platform is heavily rounded

If your swim step is too low for convenient connection while your inflatable is in the water

Then you can order extended or raised davit heads:

- For immediate shipment (even with next business day delivery) or

- Send your davit heads to us for adjustment.

Simply locate the QUIK Davit Adjustments Form in your kit. Read these instructions, complete the QUIK Davit Adjustments Form, and send directly to Forespar or call us at 800-266-8820 after you have completed the form.



## Preparing To Get Underway

All gear including loose thwarts and the outboard motor must be removed prior to raising the inflatable boat up and out of the water. Once the inflatable boat is secured and lifting lines are attached to the outboard side, the inflatable boat can be pulled up and out of the water. The proper stowing position of the inflatable boat is near perpendicular to the swim step. Do not allow the inflatable boat to tip so far forward that the davit heads and yokes bind.

Inspect the davit heads and yokes to ensure proper connection and that the surface of the inflatable boat is not in contact with anything that will cause wear. Securely tie the inflatable boat to the yacht using your lifting lines.

***Although this davit system facilitates loading and unloading people and gear, care must be taken to ensure the safety of people transiting to and from your dinghy. Not for use in rough conditions or where substantial wakes are present. It is prudent to always expect the unexpected, and always wear PFDs (Personal Flotation Devices) when boating.***

## Optional Equipment

Forespar® offers two lifting systems to make outboard motor handling safer and easier. The MOTOR MATE™ and the NOVA LIFT™ are designed for both power and sailing yachts. The NOVA LIFT™ for a power yacht application comes with a Marelon winch installed. The sail version uses one of the yacht's deck winches and is purchased without the optional Marelon winch.

Both systems pivot to allow a hoisted outboard or other heavy piece of equipment to be safely brought onboard.

[forespar.com/products/boat-motor-mate-lift](https://forespar.com/products/boat-motor-mate-lift)

### MOTOR MATE™



100 Lbs. Max. Load

### NOVA LIFT™ *Sail*

[forespar.com/products/boat-nova-lift](https://forespar.com/products/boat-nova-lift)



### NOVA LIFT™ *Power*



220 Lbs. Max. Load



## Universal Adhesive Kit Instructions

**FOLLOW ALL SAFETY INSTRUCTIONS ON PRODUCT LABELS**

1. **NOT TO BE USED IN A HUMID OR DAMP ENVIRONMENT** or in cool/cold temperatures below 65 degree (18C). Do not try to adhere items to your inflatable boat on the dock, in the rain or in very high humidity.

2. Prepare your glue, mixing at a ratio of 10 parts adhesive/glue to 1 part curing agent/accelerator if mixing a small amount in the cups provided. Otherwise, the entire amount of curing agent can be mixed into the can of adhesive. Stir thoroughly. Keep the glue covered while not in use.

3. **HYPALON BOATS ONLY.** Sand the area where the pads will be located. Just rough up these areas to remove the shine; take care not to sand down to the threads. Use a lint free towel and acetone to thoroughly clean the areas where the pads will be mounted on both PVC and HYPALON boats. Do not sand boats made of PVC.

4. **FULLY DEFLATE** your boat so that you can roll the pad (in step 7 below) on a firm surface under the boat or so you can feel a hard surface "through" the boat fabric.

5. Be sure the surfaces to be joined are clean and dry and apply a liberal, even coat of adhesive to both the davit and inflatable with the brush supplied. Wait until the adhesive is tacky in 8 to 10 minutes, depending on conditions. (Use the "knuckle" test. Touch your gloved knuckle to the glue. You should be able to feel tack without your knuckle sticking.)

6. Apply a second coat to both surfaces. **Immediately** press the pads onto the inflatable boat. If the adhesive dries too quickly, reactivate it by thoroughly heating with a heat gun or hair dryer.

7. Remember to **FULLY DEFLATE** your boat. Once the pads are pressed onto the dinghy, thoroughly apply heavy pressure to the entire pad with a hard roller pressing from the center outward to remove all the air and ensuring a strong bond. Use a lint-free towel and acetone to clean up excess glue.

If you must work in a high humidity environment for an emergency repair only, you may try the "reactivation" method. However such repairs will not last as long and Forespar is not responsible for any aspect of such emergency repairs. Apply the first coat in step 5 and the second coats in step 6 but let it dry until the knuckle test stage. Then reactivate it by thoroughly heating with a heat gun or hair dryer. Press together and roll as in step 7.

**COMPLETE DRYING TIME TAKES APPROXIMATELY 48 HOURS.** Do not inflate or fold your inflatable boat or leave it in the sun or disturb the pads until the adhesive has FULLY cured. Do not expose to sun for a minimum of 12 hours.



**Curing Agent Label**

**DANGER:**

Extremely flammable. Toxic. Vapor is harmful. Vapor may ignite explosively. Provide adequate ventilation to prevent vapor concentrations in excess of permissible exposure levels. Keep away from heat, sparks and open flame. Do not smoke. Extinguish all flames and pilot lights and turn off all non-explosion proof electrical equipment and sources of ignition during use and until vapors are dissipated. Avoid breathing vapors. Close container after use. Contains aliphatic hydrocarbons, toluene and ketones. **Keep out of the reach of children.** Harmful or fatal if swallowed. If swallowed do not induce vomiting. Call physician immediately.

**FORESPAR<sup>®</sup>****Universal Adhesive  
for Inflatables**

- High Bond Strength
- Hypalon and PVC Inflatable Boats
- 2-Part System

[www.forespar.com/quikdavits](http://www.forespar.com/quikdavits)**CONSULT TECHNICAL DATA SHEET FOR INSTRUCTIONS FOR USING THIS PRODUCT****STORAGE:**

For maximum shelf life, store material in a cool dry area and keep container tightly sealed. Storage temperatures of 60° to 80° F. are recommended. Lower storage temperatures will cause a temporary increase in viscosity. Rotate stock on a first-come-first serve basis.

**IMPORTANT:**

Suggestions for the use of this product are based on tests believed to be reliable, however the user should determine suitability for the intended use by his own evaluation. Because the use of this material is beyond our control, neither the seller or the manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of the use or inability to use this product. The seller and manufacturer's sole obligation shall be replacement of the material proved to be defective.

**Determining if your inflatable boat is Hypalon or PVC**

Here are some tests and information we have gathered for you. If in any doubt, check with your boat's manufacturer to determine which material was used in the construction of your inflatable. It's essential to know what fabric your inflatable tubes are made from as it's very important to use the correct preparation procedures.

1. If you can see the inside of the tube, through the valve, Hypalon is a dark grey or black on the inside. PVC is the same color on both sides.
2. Wipe over lightly with Acetone on a clean, white lint free cloth. Hypalon will leave an oxidization and maybe some color on the cloth. The material will not be affected. For PVC you will have some color on the cloth but, the surface of the material will feel tacky.
3. Lightly sanding Hypalon will cause the surface to matt down and produce a dust. PVC will just scratch.
4. A trait of PVC is the fabric pattern is somewhat pronounced than in Hypalon. Note that if your inflatable boat is PVC, do not sand the areas to be bonded.

Below are guidelines based on historical information. However manufacturers change their materials from time to time. So if in any doubt, check with your boat's manufacturer to determine which material was used in the construction of your inflatable.

**HYPALON / PENNEL ORCA:**

AB, ACHILLES, AQUAFLYTE, AVON, BALLISTIC, BEAUFORT, BWM, CALAGARI, CAMPARI, CARIBE, CHINOOK, COMPASS, DELTA, DOMINO, EUROCRAFT, FLATACRAFT, GOMMONAUTICA, GORDON, HENSHAWS, HUMBER, LOMAC, ML LIFEGUARD, NOVAJOLLY, NOVAMARINE, NOVURANIA, OSPREY, PICTON, RED BAY, REVENGER, RIBCRAFT, RIBTEC, RIB-X, RING, ROBCRAFT, SCANNER, SCORPION, SELVA, SEMPRIT, SELVA, STINGHER, TINKER, WEST MARINE (can be Hypalon or PVC, check your specific model), YAM RIBS, (ZODIAC – some pre 1968 leisure models – and their custom/commercial range could be Hypalon).

**PVC:**

ARIMAR, BOMBARD, COMPASS II, EUROVINYL, EXCEL, HONDA, LODESTAR, MAXXON, NARWHAL, OMC EXPRESS, PLASTIMO, QUICKSILVER, SERIE, SEVYLOR, SUZUMAR, TOHATSU, TYPHOON, WAVELINE, WEST MARINE (can be Hypalon or PVC, check your specific model), YAM, ZED, ZOOM, ZODIAC (Zodiac is most often PVC. Some pre 1968 leisure models – and their custom/commercial range could be Hypalon).