

# Safety Precautions

## Installation Instructions

### Bluff Manufacturing Edge of Dock

READ AND UNDERSTAND ALL SAFETY PRACTICES AND OPERATING INSTRUCTIONS before installing, servicing or operating the dock leveler. Failure to do so could result in damage to unit, to property, and personal injury to operator.

**FOR FULL OWNER'S MANUAL WITH DETAILED INSTALLATION INFORMATION VISIT**

**[WWW.BLUFFMANUFACTURING.COM/EOD](http://WWW.BLUFFMANUFACTURING.COM/EOD)**

1. Do not stand between leveler and trucks backing up to dock.
2. Do not operate the leveler with equipment, material or people on the deck section of the leveler.
3. Never attempt to work under the dock leveler without properly securing the front and center sections.
4. Keep clear of dock leveler while in operation.
5. Do not exceed capacity rating.
6. If dock leveler is not operating normally, discontinue use. Request maintenance personnel to inspect and contact your local Bluff dealer if necessary.
7. Keep clear of all pinch points that could cause injury.
8. Do not use leveler if it appears to be damaged or broken.
9. Damage to leveler could occur if product is misused or used in an abusive manner.
10. For additional information or concerns, contact your local Bluff representative.

---

### Type 1 Installation Instructions: Mechanical Edge-of-Dock (EP)

---

#### **TYPE I: Dock edge with imbedded steel channel**

CAUTION: STAND CLEAR OF UNIT WHEN CUTTING STEEL BANDING.

NOTE: REMOVE HANDLE AND BUMPERS BEFORE BEGINNING THE INSTALLATION. Handle is attached to mount plate for shipping purposes only.

1. Check straightness of embedded channel with a plumb line. If out of alignment shimming may be required. Any out of alignment condition will result in a binding problem.
2. Clean and prepare dock surfaces for installation.
3. Center the EZ-Pull leveler against the dock with the positioning tabs resting on top of embedded channel.
4. Tack weld mount plate alternating from right and left of center tack point and the vertical sides of the mount plate to the embedded channel.
5. Shim where necessary to keep leveler straight and plumb.
6. Tack weld mount plate alternating from right and left of center tack point and the vertical sides of the mount plate to the embedded channel.
7. Weld out the top of the mount plate from center out to the edges and down the vertical sides.
8. Position the bumpers flush with top of mount plate and butted up to the sides of the mount plate.
9. Mark the bottom hole location of bumper beam, drill an anchor hole and install a  $\frac{3}{4}$ " x 4" wedge anchor bolt.

10. Re-position the bumper on the dock and weld to embedded channel and secure the bottom of the bumper anchor bolt and nut.
11. Re-grease the unit as welding may burn out some grease in hinge tubes.
12. Re-paint any burned areas. Rustoleum smoke grey (7786) or blue (7727) aerosol.
13. The latch is factory installed with notch against mount plate. Latch should swing freely when leveler is in its rest position.
14. Remove bolt from bottom of handle and position handle into sleeve with bend facing away from dock face. Re-install bolt and nut into bottom of handle.
15. Test unit for correct operation. (See operating instructions online for mechanical levelers.)

---

## **Type II Installation Instructions: Mechanical Edge-of-Dock (EP)**

---

### **TYPE II: Dock edge without imbedded steel channel.**

CAUTION: STAND CLEAR OF UNIT WHEN CUTTING STEEL BANDING.

NOTE: REMOVE HANDLE AND BUMPERS BEFORE BEGINNING THE INSTALLATION. Handle is attached to mount plate for shipping purposes only.

1. Docks without imbedded steel channel require the installation of an approach plate, such as the Bluff EPAP12 model, in conjunction with a leveler unit.
2. Center the beveled approach plate in the desired location flush with the dock face. Cut if required to fit door opening.  
An approach plate requires 5 heavy duty expansion shield anchor bolts with ½" flat head socket cap screws such as can be found in Bluff EPAP1. Locate the approach plate and drill pilot anchor holes with a 9/16" concrete drill bit. Remove approach plate and drill over pilot holes with a 7/8" concrete bit. Install expansion shield into holes (insert with threads on bottom). Re-position approach plate and anchor.
3. Center the EZ-Pull leveler against the dock with the positioning tabs resting on top of the approach plate.
4. Tack the top of the mount plate at the center to the approach plate.
5. Make certain that the leveler is straight and plumb (shim as necessary).
6. Drill 3/4" anchor holes along the mount plate and install 5 each ¾"x 4" wedge anchors.
7. Weld top of mount plate to approach plate with a continuous weld from center out.
8. Remove weld slag and re-grease as needed as welding may burn out grease from hinges.
9. Re-paint any burned areas. Rustoleum smoke grey (7786) or blue (7727) aerosol.
10. The latch is factory installed with notch against mount plate. Latch should swing freely when leveler is in its rest position.
11. Remove the bolt from the handle and position it into sleeve tube with bend facing away from dock face. Re-install bolt and nut into bottom of handle.
12. Test unit for proper operation. (See operating instructions online for mechanical levelers.)

---

**For Hydraulic Set-Up Installation Instructions Visit  
[WWW.BLUFFMANUFACTURING.COM/EOD](http://WWW.BLUFFMANUFACTURING.COM/EOD)**

---