



Automatic Fender Care & Operation Instructions



The Automatic Fender™ eliminates the need to climb onto the bow to deploy fenders, significantly reducing the risk of falling or injury while docking! Now you can dock without leaving the cockpit, improving safety and eliminating hassle. The fenders are stored horizontally under the railing, almost invisible, eliminating the need for Fender Baskets.



Your boat may pull the fenders with a very significant force that creates tension on the fender line and may cause serious injury, particularly if a body part is wrapped in the line.

Use the Automatic Fender safely:

Stay clear while docking. Keep yourself and others away from the Automatic Fender while docking.

Do not touch the Automatic Fender while in operation. Make sure no one touches or pulls on any part of the Automatic Fender while it deploys or lifts.

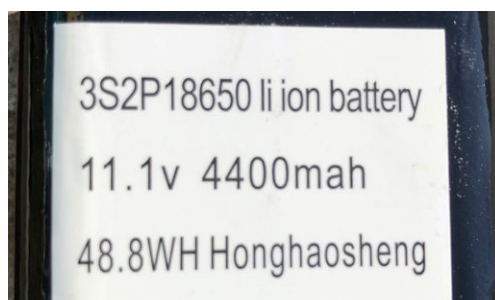
Do not attempt to repair, open, or modify. All repairs must be done by Boat Innovation® only.

Before docking, always verify that the fenders are deployed to the desired height and position/angle.

Do not use in rough weather or high waves.
Do not exceed the product's maximum ratings.

BATTERY WARNINGS

This unit contains a battery pack; the following are the manufacturer's warnings:



You can watch the installation and Application configuration process on the Automatic Fender YouTube channel.

INSTALLATION TOOLS

- Only use a large head (P3 or P4) Phillips screwdriver.
- Do not use an electric screwdriver or any other power tool, as the bolts and nuts are stainless steel and may get welded together.



AUTOMATIC FENDER SET CONTENT:

- 2 Automatic Fenders
- 16 bolts and 16 nuts
- 4 large clamps and 6 small clamps
- Inside the envelope: 6 rubber strips and 16 bolt covers
- Documentation

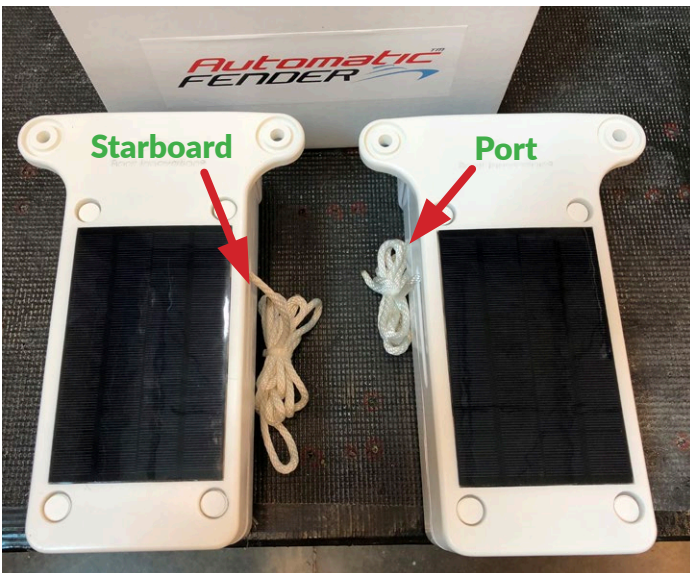


Please contact us with any questions that you may have at:
support@BoatInnovation.com or +1-925-418-2448.

Please add support@BoatInnovation.com to your contacts.

IDENTIFY THE PORT VS STARBOARD AUTOMATIC FENDER

The set product box includes two Automatic Fenders, one for the Port and one for the Starboard side. When looking at the product front (large solar panel), the Port Automatic Fender has the line exiting from the left side.



On the bottom of each Automatic Fender please find a label specifying its planned location. First line specifies Bow vs Mid Ship (will be blank in case of a single pair purchase). Second line specifies Port vs Starboard. Please install accordingly to make sure the picture on the application matches the physical location of each Automatic Fender. Lines 3 and 4 specify System ID, line color and Automatic Fender ID:

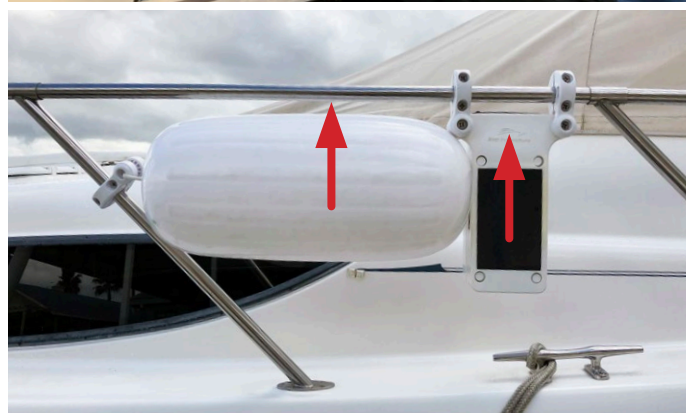


To handle the line tension/force while docking, we tested thick docking line implementations, a spring addition, a rubber strip addition and quite a few additional creative options. Testing showed that the best solution is deflecting that force by using a strong, shock absorbing line. Nylon is a great shock absorber. The longer the line, the better it absorbs. When manually deploying fenders, the total line length from the fender

to the cleat or stanchion is about 4 feet. The Automatic Fender's Nylon line is 19 feet long and provides good shock absorption!

PORT SIDE INSTALLATION

Start with the Port Automatic Fender installation. The Automatic Fender should always be installed to the right of the fender towards the stern:



Connect a clamp to the Automatic Fender using a single bolt and a single nut. **Lightly** tighten the bolt.





The box includes small and large clamps. Use the clamps that best fit your boat. If the clamps are too wide, add the rubber strip provided with the product:



Install the Automatic Fender just before the stanchion, towards the stern. Lightly tighten the bolts to allow clamp movement along the railing during the installation:





Proper placement:



Note: The nut lock is to the outside. The nut is fully inserted into the plastic groove.

Wrong placement:

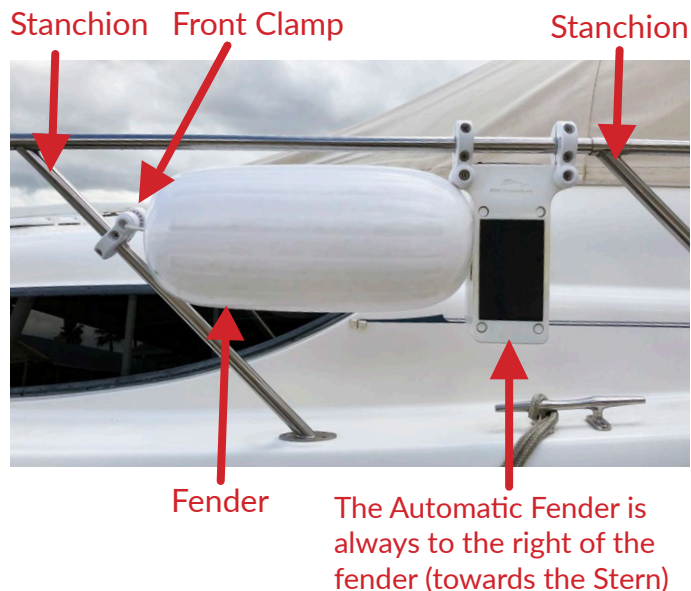


Nut is not fully inserted.



FRONT CLAMP INSTALLATION

Install the front clamp about 7" below the railing. Do not tighten the bolts. Accurate positioning is NOT important at this stage; positioning will be adjusted later. Add bolts to the left and middle holes only.



If the boat has a lifeline, it should be placed under or behind the Automatic Fender. Make sure the lifeline doesn't interfere with the fender's movement. The lifeline should not be too tight, as when temperatures drop it will get tighter and may damage the Automatic Fender's enclosure.

Always make sure that the nuts are inserted properly into the Automatic Fender part.

Insert the line through the front clamp's right hole:



Tie a knot on the line that went through the clamp hole:



Remove the rubber band from the Automatic Fender line and run it through the fender's center hole:



Pull the line firmly while holding the front clamp, and confirm that the knot doesn't slip out through the clamp hole. The first installation stage is complete:



Install the Starboard Automatic Fender in the same manner.

TROUBLESHOOTING:

In case of a problem or a special installation, please refer to our troubleshooting document at: AutomaticFender.com/Support or call us at + 1 (925) 418 2448.

THE BOAT INNOVATION APPLICATION

Use or configure the application only after installing ALL PORT AND STARBOARD Automatic Fenders and the fenders on the boat by following all installation steps. Configuring the application before fully installing all Automatic Fenders may tangle the line and cause a malfunction. Internet connectivity is required through the configuration stage.

Download the **Boat Innovation** application from the Apple or Android store. You can search the application stores or find a link on our web site: **BoatInnovation.com**



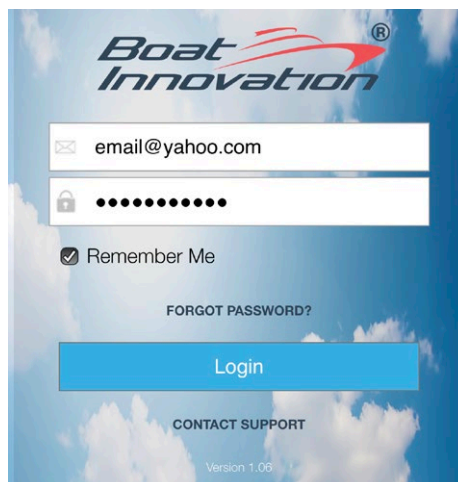
SAFETY: THE STOP BUTTON

Pressing on the “**Stop All**” button or exiting the application will stop all fender movement. Please use this button as needed.




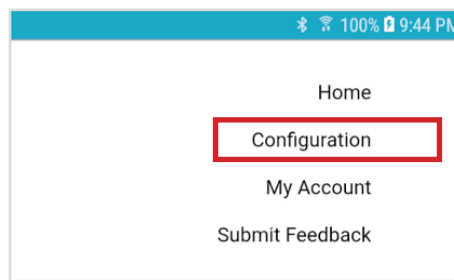
Insert the email address provided at purchase; the default password is: **Innovation**

The password is case sensitive.



CONFIGURATION

At first login, the application will direct to the configuration page. You can always get to the configuration page through the main menu, by choosing  on the right top corner of the mobile screen and then selecting the “**Configuration**” page from the main menu:



Configuration Page:

Configuration

Found: 2. Searching for more...

Port: Show front
AF-A831-44-D0

Starboard: Show back
AF-8C063B-83

Is Boat located in a Covered Area? Yes No

Boat Size < 28' 28' to 45' > 45'

Fly Bridge? Yes No

Full Size Cabin? Yes No

Diagram showing fender layout with buttons: Dock, Rub Rail, Stop All, Save Configuration.

In that case, refer to the troubleshooting document.

Get the fender to its lift position:

1. Select a fender by pressing a fender icon . The selected fender will turn green .
2. Press "Hold lift"; stop pressing as soon as the line is tight and the fender stopped moving up.

Diagram showing fender layout with buttons: Dock, Rub Rail, Stop All, Save Configuration.

To provide the best customer service, we need some information about your boat and its home docking location. For boats normally docked in a covered berth or stored for winter in a covered area, please mark "Yes" on the first line below:

Is Boat located in a Covered Area? Yes No

Boat Size < 28' 28' to 45' > 45'

Fly Bridge? Yes No

Full Size Cabin? Yes No

You can always release line by pressing "Hold deploy".

Move the bottom of the Automatic Fender and the top of the front clamp outwards until they are beyond the bow line. Make sure they are not exceeding the rub rail line:



Confirm that the Automatic Fenders are connected:

Configuration

Found: 2. Searching for more...

Starboard: AF-FF-6A:0A:83

Port: AF-6A:9B:8C:7A

If the Automatic Fenders are not connected the application will show:

Configuration

Found: 0. Searching for more...

Starboard: AF-FF-6A:0A:83

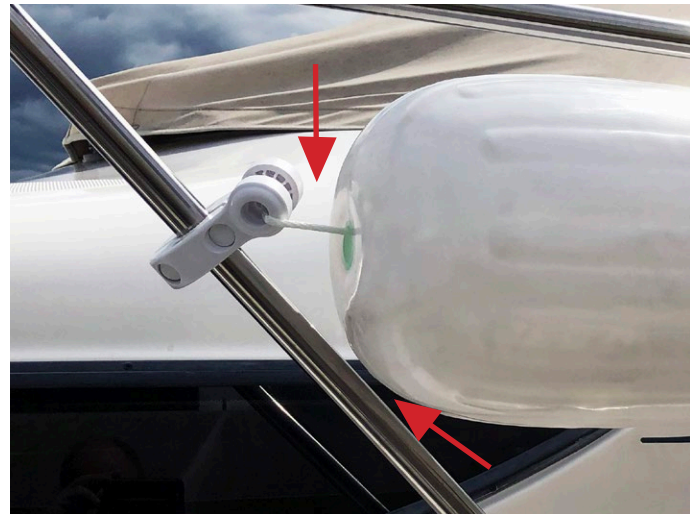
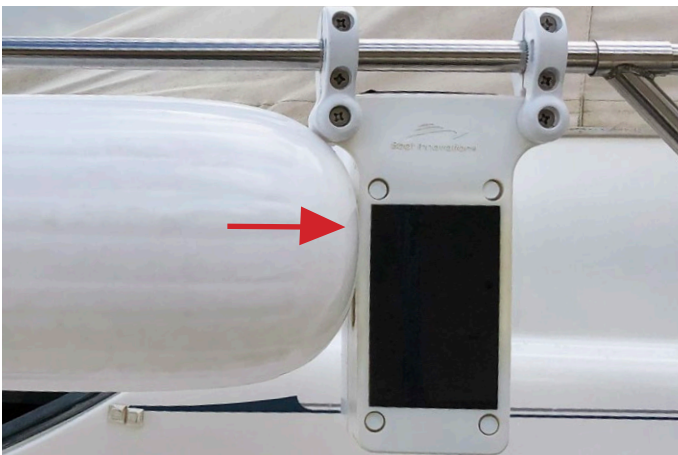
Port: AF-6A:9B:8C:7A




Move the front clamp up or down the Stanchion until the fender is parallel to the railing:



While the fender is touching the Automatic Fender; the distance between the fender to the front clamp and the Stanchion should be about 1/2". Move the Automatic Fender along the railing to achieve the desired location:



CONFIGURING RUB RAIL LINE LENGTH

Select a fender  and press on **"Rub Rail"**:

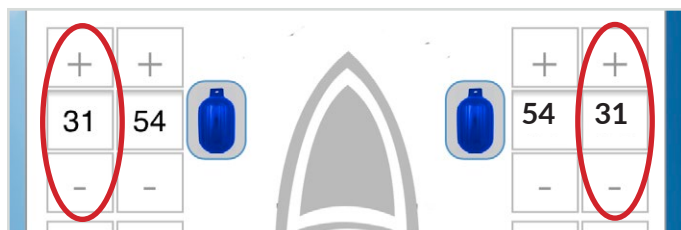
The selected fender will be lifted all the way to the rail, and may perform few short movements to confirm reaching the railing.



Then it will deploy to the default rub rail level.



Adjust to the desired height by pressing + or - on the rub rail line length:



TESTING AND ENJOYING THE AUTOMATIC FENDERS

From the main menu , choose the “**Home**” page and test the different functionalities:

1. Press “**Lift**” and confirm that all fenders are lifted to rail level.
2. Press “**Dock Deploy**” to deploy to dock height. Repeat the configuration stage if necessary.
3. Before docking always confirm that the fenders were deployed to the correct height, adjust line length if needed.

It is always best to deploy the fenders in calm waters (when getting inside the marina). Fenders deployed too early in choppy waters may change to a horizontal angle:



You can always change them back to vertical deployment by lifting and deploying again. If docked in choppy water, hang your manual bow fenders and lift the Automatic Fenders to rail level. While docked, hanging the manual fenders is usually easily done from the dock.

4. Press “**Lift**” again to lift the fenders to rail level.
5. Press “**Rub Rail**” to deploy to rub rail height. Repeat the configuration stage if necessary.

Press “**Rub Rail**” again to test the new line length. Repeat these steps until the desired rub rail line length has been achieved.

If the fender doesn’t deploy in a consistent manner, refer to the troubleshooting document at AutomaticFender.com/Support.

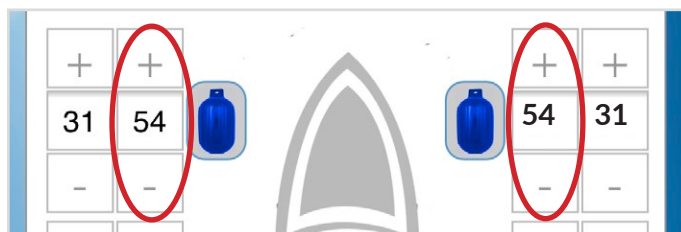
CONFIGURING DOCK LINE LENGTH

Select a fender and press on “**Dock**”:



The selected fender will be lifted all the way to the rail, make few short movements by the rail, and then will deploy to the default dock level.

Adjust to the desired height by pressing + or - on the dock line length:



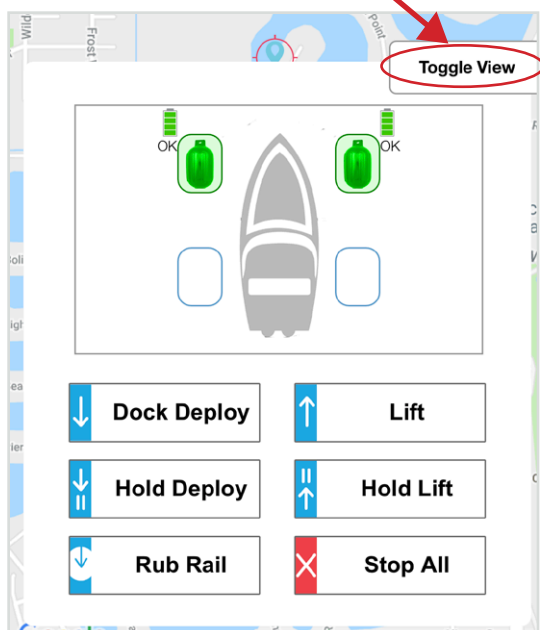
CONFIGURING ALL AUTOMATIC FENDERS

Repeat these steps for all installed Automatic Fenders.

SAVE CONFIGURATION



6. Press **"Toggle View"** to switch between map, control and hybrid views.



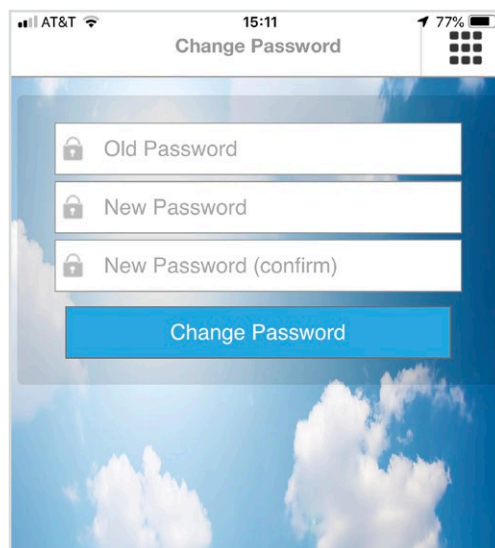
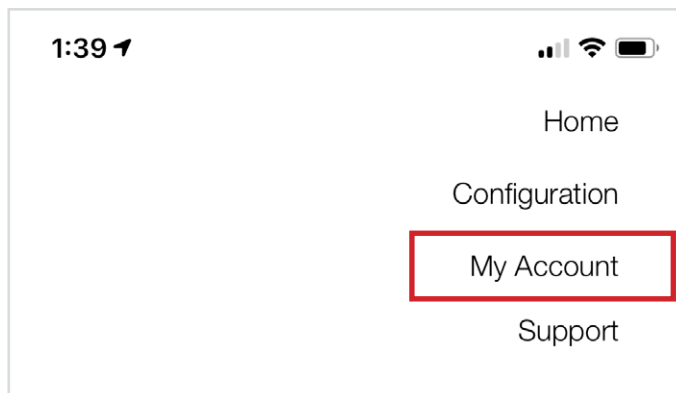
TIGHTEN THE BOLTS

Add all remaining bolts to all clamps, and tighten them.



CHANGING PASSWORD

From the main menu, choose the **"My Account"** page. Change the password from the default (**Innovation**) to your desired password.

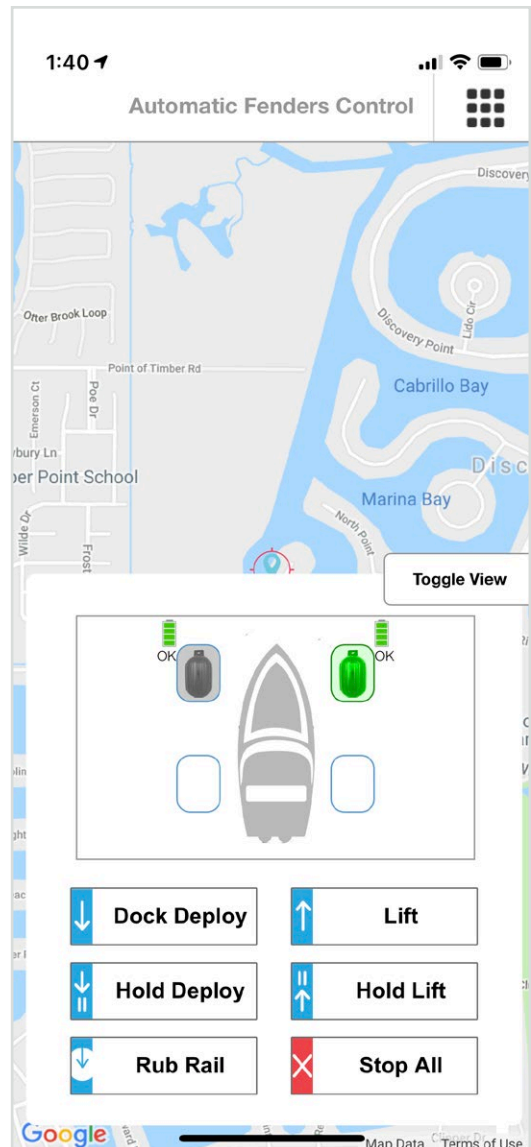
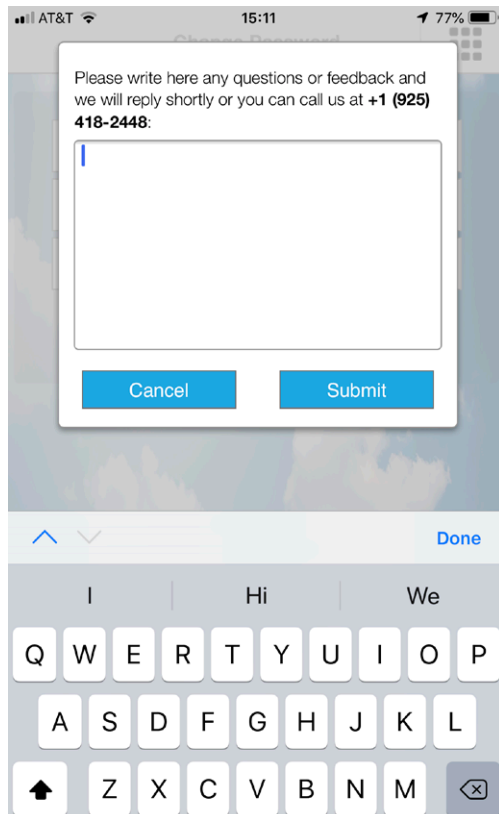
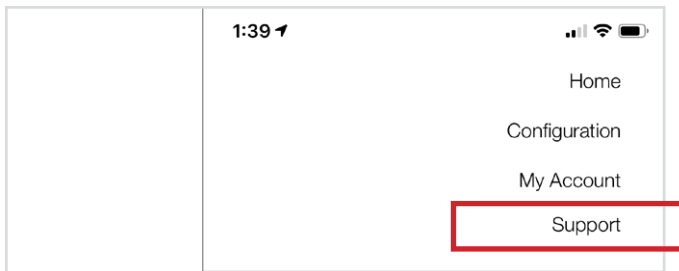


MY NEW PASSWORD IS:


SUPPORT


From the main menu choose the **"Support"** page. Use this page to send us questions, feedback on problems, improvement ideas and any additional comments you may have.

You are welcome to call us at: 925-418-2448 (California, USA).



SUSPENDING FENDER MOVEMENT BOLT COVERS

To disable movement on any given fender, press the fender icon .

A suspended fender will show as gray  and will not react to commands.

To activate a suspended fender, press on the fender icon again.

Install the bolt covers (optional) only after your first cruise using the Automatic Fenders and after one last bolt tightening.





We love seeing our product on Yachts!

Please e-mail us pictures with Automatic Fender on your boat and add your positive product review to our FaceBook page, under reviews!

We will post it on our Social Media pages and website.

We will be VERY THANKFUL and will provide you with an additional one year Product Warranty for FREE!!!



*Thank
You!*

Thank you for your
Automatic Fender purchase!

To help your friends and family with their
safe boating adventures, we give an
exclusive \$50 discount on their
Automatic Fender set purchase!

They can use this promo code
at checkout: XXXXXXXX

AUTOMATIC FENDER™ LIMITED WARRANTY

Warranty

Arditi Holdings LLC (DBA Boat Innovation) ("Company") warrants that any defects in materials and workmanship in a properly installed and used Automatic Fender™ ("Product") will be corrected by the Company for a period of 1 year. The beginning of the foregoing period shall be the date of the first retail purchase of the Product. This warranty does not cover damage caused by improper use, improper care, accidents, or natural breakdown of materials over time and use.

A Product for which a warranty claim is being made should be returned to the Company for a warranty coverage evaluation. If the Company determines that the Product is covered under this limited warranty, then the Company will repair the Product with new or refurbished parts, or replace the Product with the same Product or an equivalent Product. Such repairs or replacements will be your sole remedy under this limited warranty.

The Warranty Does Not Apply To:

1. Any failure resulting from lack of maintenance.
2. Normal wear and tear.
3. Misuse or damage.
4. A Product which has been altered, changed, or repaired by anyone other than the Company.

This limited warranty is the only warranty applicable to the Product, and is in lieu of all other warranties.

Limitations

IT IS YOUR SOLE RESPONSIBILITY TO INSTALL AND USE THE PRODUCT IN A MANNER THAT WILL NOT CAUSE ACCIDENTS, PERSONAL INJURY OR PROPERTY DAMAGE. YOU ARE SOLELY RESPONSIBLE FOR OBSERVING SAFE BOATING PRACTICES. YOUR USE OF, OR INABILITY TO USE, THE PRODUCT IS AT YOUR SOLE RISK. THE COMPANY DOES NOT ASSUME ANY LIABILITY, AND SHALL NOT BE RESPONSIBLE FOR, ANY DAMAGE INCURRED BY USING THE PRODUCT, INCLUDING ANY PERSONAL INJURY INCURRED AS A RESULT OF USING THE PRODUCT. EXCEPT AS EXPRESSLY STATED ABOVE, THE PRODUCT IS PROVIDED FOR YOUR USE ONLY WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, AND NON-INFRINGEMENT. SOME JURISDICTIONS DO NOT ALLOW THE LIMITATION OF LIABILITY FOR PERSONAL INJURY, OR OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. USE OF THE PRODUCT IS NOT ALLOWED IN SUCH JURISDICTIONS.

TO THE EXTENT NOT PROHIBITED BY LAW, IN NO CASE SHALL THE COMPANY, ITS MEMBERS, MANAGERS, DIRECTORS, OFFICERS, EMPLOYEES, AFFILIATES, AGENTS, CONTRACTORS, OR LICENSORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, PUNITIVE, SPECIAL, OR CONSEQUENTIAL DAMAGES ARISING FROM YOUR USE OF THE PRODUCT OR FOR ANY OTHER CLAIM RELATED IN ANY WAY TO YOUR USE OF THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, PERSONAL INJURY, OR ANY LOSS OR DAMAGE OF ANY KIND INCURRED AS A RESULT OF THE USE OF THE PRODUCT, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH LOSS OR DAMAGE. SOME COUNTRIES, STATES OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR THE LIMITATION OF LIABILITY FOR PERSONAL INJURY OR CONSEQUENTIAL OR INCIDENTAL DAMAGES, AND THE USE OF THE PRODUCT IS NOT ALLOWED IN SUCH JURISDICTIONS.

IN NO EVENT SHALL THE COMPANY'S TOTAL LIABILITY TO YOU FOR ALL DAMAGES EXCEED THE AMOUNT OF FIFTY UNITED STATES DOLLARS (\$50.00). THE FOREGOING LIMITATIONS WILL APPLY EVEN IF THE ABOVE STATED REMEDY FAILS OF ITS ESSENTIAL PURPOSE.

EXCEPT AS OTHERWISE EXPRESSLY PROVIDED IN THIS LIMITED WARRANTY, COMPANY DOES NOT REPRESENT OR GUARANTEE THAT THE PRODUCT WILL BE FREE FROM DEFECT.

Care and Operation Instructions

Follow the Automatic Fender™ Care and Operation Instructions dated May 2019 or newer. It contains important information about personal safety and property damage.





Please contact us with any questions that you may have at:
Support@BoatInnovation.com or +1-925-418-2448.



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