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OFFBOARD® brand marine mooring line vermin shields

The OFFBoard® Vermin Shield

15 Inch Guard Upgrade Kit

Instructions for use

“The trademark OFFBOARD® for brand marine mooring line vermin shields is a registered federal trademark of Foothills Products, Inc.”

The Upgrade Kit.

While white components are shown, a black version is also available.

The Upgrade Kit consists of a new door, four new inserts and the connecting screw shown here.



The upgrade kit includes one door. The picture shows the bottom of the door where the inserts are attached with the screw.

The Upgrade Process

To upgrade the existing 15 inch OFFBoard® Rat Guard to the new design requires the replacement of the door. **Note that the spring is “loaded” and requires special handling. Before starting notice the hook on one end of the spring and the long handle on the other end.**

Tools Needed

- 1) A flat blade screw driver
- 2) A ¼ inch Allen Wrench
- 3) A Needle nose pliers
- 4) A heavy hand glove. (Optional)

Dis-assembly Process

This is the removal of the bolt and nut that holds the door to the disc.

1) Using a ¼ Allen wrench , unscrew the bolt from the nut. Because the nut has a self-sealing washer, it may be necessary to use a flat blade screw driver to hold the nut from turning. **Keep the Nut.**

2) After the nut is removed, push the bolt to expose the head. Use the needle nose pliers to pull the bolt out. **Keep the bolt.**



3) While pulling the bolt out, hold your hand over the spring so that as the bolt is withdrawn (You may want to use a glove over the spring at this point) so the spring does not fly off the door. **Retain the spring.**

4) After the bolt is removed , remove the door and appropriately discard it along with the old inserts.

Assembly Process

- 1) Place the new door in the disc.
- 2) Insert the bolt partially so the screw threads are visible between bolt retaining holes.
- 3) Place the spring with the hook end over the screw threads. Hook it on to the wall of the disc. Take the long handle and rotate it clockwise. Place the end of the long handle in the hole provided for it.
This loads the spring so the door will close.

4) Push the spring down into the slot, then push the bolt onto the disc until it goes through the bolt retaining hole .

5) Use the ¼ inch Allen wrench to screw the bolt on to the nut until it reaches the self-sealing washer.

Installation of the door is complete.

6) Next : Select and install the insert on the OFFBoard® Vermin Shield if your mooring line is less than an inch in diameter.

Instructions for Center Insert

Use an insert to reduce the size of the center hole to ensure a tight fit of the OFFBoard® Vermin Shield on your mooring line.

The following are instructions to adjust its size.

This package holds a set of four inserts for the 15 inch Vermin Shield. There is one of each for 1/2, 5/8, 3/4, and 7/8 inch mooring line. Select the one that matches the size of your mooring line. Keep the unused inserts for possible future use.

After selecting the right size, open the spring door and place the insert in the end of the door. It is designed so that it goes in only one way.



The fit is intended to be snug. Due to various sizes of ropes and their age, it might be necessary to select the next smaller or larger size insert.



Make sure that the insert is fully seated in the door as shown in this picture.

Use the stainless steel screw provided and place it into the retaining hole until it is all the way in. Do not over tighten.



Close the door and the shield is ready for use.