



Step #4: Install

Tools needed: *Small file included w/ InFlataSaver Kit, scissors (SHARP), small knife or razor knife, ballpoint pen, regular Sharpie marker

NOTE: This guide is for the installation of each InFlataSaver Valve system location. You must complete the Plan, Measure, and Purchase Steps beforehand to order specifically sized InFlataSaver inner tubes to fit your boat or article. Once your InFlataSaver Valve Kits arrive you will use this as a guide to help install each individual valve. You will repeat these installation steps for each individual valve and location.

If you must install the InFlataSaver valve in a location other than the factory valve location due to clearance issues, the best practice is to permanently mark all future relocated valve locations upon completion of the previous Measurement Step. This will make it easy to install your InFlataSaver valves exactly where you measured from when ordering and be sure to install them in exactly where you marked them from the previous steps. This is important because you must measure and purchase InFlataSaver Valve Kits for each and every chamber on your boat. Also you may not install the purchased InFlataSaver Kit until later when needed, so the mark must be long lasting so as not to lose the mark over time if not installing at the time of delivery. This is why it is imperative to permanently mark these locations beforehand, even if only with the tiniest of CROSSHAIRS, but with a marking you understand to be the future location of your InFlataSaver valve if it is different than the original valve placement when manufactured.

****NOTE: Using a new Sharpie to mark the six holes for the threaded studs is recommended to get the 6 dots in exactly the center of each hole. If using another type of pen to mark for these bolt holes it is easy to mark them off center and incorrectly so pay extra attention if you can not use sharpie.... proceed at your own risk!***

- 1) Please familiarize yourself with all steps both before and after this Install step so you have no surprises as you progress from the Step 1 Plan through Step 5 Deploy. If you must relocate any InFlataSaver valves to a different place other than the original location it is imperative that you completed all the previous steps correctly. If not you may have a problem with your installed InFlataSaver inner tube fitting your boat properly. This is why it is so important that you follow all the individual steps to the letter as this is the easiest way to insure a quick and easy transition to the InFlataSaver system for your inflatable boat.

- 2) You will need the Trim/Locking Ring , ballpoint pen and Sharpie for this step. First inflate the tube fully, and then begin by centering the Trim/Locking ring over your desired mounting location whether the original valve location or a new reference mark for relocation. For best results the two holes at the top and bottom of the Trim/Locking Ring should be exactly horizontal and in-line with the tube when marking for installation. Once centered and in the correct position hold the Trim/Locking Ring firmly so it does not move while you use the ballpoint pen to mark along the inner diameter circle where you can between the 3 ears/tabs, then use the Sharpie to put a small dot in every bolt hole while making sure the Locking Ring does not move during this operation. Once marked you now rotate the Locking Ring 120 degrees to mark where the tabs were previously in the way . Now you should have a full complete perfectly connected circle with the six dots centered around which mark the locations of the bolt holes.

- 3) In this step you will poke a hole in the center of all 6 dots with the included round 4mm file. Make sure to work the file in and out several times to ready it for the threaded studs of the inner body to easily poke through when installing later.

***It is very important that you use the included file, awl, or small Phillips head screw driver 4-5mm(3/16") in diameter as this lessens the possibility of making a mistake when poking each hole either off center or too large.**

4) Now you will use your knife or razor knife to poke/cut a small slit just inside of the circle you drew between the line and the old valve or reference mark. This is for a starting point for the scissors so you may next cut around the circle just outside the line.

*NOTE: Do not poke through the outer skin material on or near the drawn line as it is too easy to tear the material or go past the line and damage the mounting area outside the line. You only need a small starting slit as a starting point to start with the scissors.

5) Now cut 1/16-1/8 inch outside the line to allow the mounting of the InFlataSaver valve holder. As your drawn line is just inside the Lock Ring, it is important to cut between 1/16" and 1/8" outside the line so the material will not interfere with the locking mechanism of the InFlataSaver valve system and why the recommendation to cut a little outside the line in a perfect circle all around.

*Note: Please be advised that the outer skin can be cut more easily along the weave than across it. This is why you should use scissors to cut this hole as if using a knife or blade the material around the mounting hole can be damaged if not properly cut. This can happen because the knife will ride against weave and cut along the grain in a direction and length you did not believe could happen that easily. This is what you must avoid and just use a little extra caution during this step. As most people and scissors are right handed, it will be easier to cut in a counterclockwise direction as this also allows you to easily see where you are cutting as you go. If you cut the other way your view of the line will be blocked by the scissors and is the reason to go in a counterclockwise circle when cutting.

Cutting this circle is not difficult, just take your time, get in a comfortable position and go slow. You should also move around the tube or boat as you fully cut the circle and stay in as comfortable position as possible as you proceed. If you get slightly off line just get back on line and keep going around slowly. Take your time and once around you are now done with Step 3 Install for this particular valve mounting location.

- 6) You will repeat these steps for all the InFlataSaver valves you plan to install at this time, whatever their location. It is easier to repeat these steps for each and all the individual valves you will install at the same time.
- 7) For this first installation and all following installations of the InFlataSaver system it is recommended to assemble the InFlataSaver inner tubes with the Inner Body as a unit for insertion into the chamber, then to bolt the Lock Ring to the Inner Body for attachment of the InFlataSaver system to your inflatable boat.
- 8) You will now move onto **Step #5 Deploy** in which you will insert the InFlataSaver inner tube into and bolt the InFlataSaver valve system to the outer skin of your boat for inflation. Please watch the videos which explain all the steps and you may also download all our Guides and needed information at

www.InFlataSaver.com