

T2 Stealth Installation guide



**Back Ball Deck Mount
T2**



Front with swivel

Side-front to back	Best	1850mm-1900mm		
	Max	2200mm		
	Min	1750mm		
Front width	Max	2600mm	Min	1700mm
Back Width	Max	2600mm	Min	1700mm

These are the dimension we recommend for the T2 tower

If you can mount the front and back deck mounts 1900mm apart, We believe this gives the tower the best look, the tower in the above pic is mounted 1900mm front to back, however it can be adjusted to the minimum or maximum distance shown above without any problems, this allows you to adjust it slightly if needed to fit your boat and the width is adjusted to suit your boat, this makes no difference to the tower, your boat determines how wide the tower needs to be to fit.

Check where you are going to mount the tower on your boat, check the width to ensure the tower will adjust wide enough or narrow enough to suit your boat. If; Back mounting width needs to be between 2550mm and 1600mm
If you boat is wide you can mount the tower on top of the deck rather than on the outside, this will make the mounting width of the tower narrower, there for not needing to adjust the tower so wide to fit your boat, likewise if you boat is narrow, you can mount the fittings on the outside of the deck to give the tower a wider look. Both front and back mounts can be fitting to either the top of the deck or the side of the deck and the angled or verticle surface

There are 2 ways you can install the tower on your boat.

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- 1** you can assemble the complete tower adjusting the width to suit your boat and then sit the tower on your boat, if you need the tower to adjust narrower for your boat, trim the tubes where they go into the top centre section, this will allow the bars to go further into the top centre section to allow the tower to adjust narrower, adjusting the position until you are happy with where it is positioned on your boat, then you can mark where the mounts are on the deck, once the deck mount positions are marked then you can drill the deck and bolt the mounts in place leaving them slightly loose so they can rotate when the tower is re attached to them. Then once you attached the tower to the mounts, all you need to do is centralise the tower top section, make sure it is level and then you can drill the holes through the tower top to bolt the side bars to the centre section, fixing the width of the tower with the bolts.

If you are using the method you will need extra help to lift the tower onto your boat and hold it in position or adjust it before you mark the deck mounts.

- 2** The second way is you can mark, drill and attached the deck fittings using the dimension guide provided above. This is how we install the towers as it is easier to mark and mount the deck fittings without the tower attached, it saves having to assemble the tower first and also lift it onto your boat.
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Method 1-Assembling the tower to mark the deck fitting positions

Assemble the tower as shown in the picture. Do not drill or bolt the side bars into the top section yet as they will need to slide to adjust to suit the width of your boat. You may need to trim some length off the bars where they go into the top centre section to allow the tower to adjust narrower for your boat.

Attached the Ball Deck Fittings to the bottom of the Back tower bars using the 50mm Long allen key bolt, The Bolt goes thru the welded fitting, into the slot in the deck mount and screws into the stainless steel rotating pin in the Ball deck mount. Apply grease to all threads, This Ball Deck fitting allows the tower to adjust to the angle of your deck while still allowing the tower to fold down after installation.

Bolt the swivel fitting to the bottom of the front bar using the 30mm long allen key bolt up the centre of the fitting, leaving the bolt slightly loose so the fitting can still swivel.

screw the grub screw into place in the small offset thread in this same fitting, this is to stop the fitting turning later when tightening up the centre bolt after the tower is fitting, so put it in place but do not tighten yet.

Attach the deck fitting to the swivel fitting using the 50mm allen key bolt, apply some grease to the thread. Leave the bolt loose so the fitting can pivot.

Slide the front and back tower bars into the tower top centre tube, this allows the tower to adjust to the width of your boat.

The bolts will be drilled thru to fix the front bars to the tower top centre tube when the tower is attached to the deck mounts on the boat.

Apply some protective tape to your boat to protect it while sitting the tower in position.

The front and back tower mounts will be approx 1750mm-1800mm apart. However this can be wider or narrower if needed as per dimension guide for front to back distance

Lift the tower into position on your boat(2 or more people will be needed for this) with the front mounts just in front of the screen.

Slide the tower bars in and out of the top centre tube to adjust the tower to the width of your boat.

The distance between the front and back mounts does not need to be exactly 1750mm-1800mm. It can be greater or smaller depending on the look of the tower you like and where you need to mount it on your boat, this measurement is just a guide.

Ensure the distance between the front and back mounts is the same on both sides and that the tower is parallel on your boat. Measure from the point on the nose of your boat back to the front deck mounts to make sure they are equal distance from the front.

Once you are happy with the position of the tower on your boat, mark around the deck mounts the mark the position of the deck fittings. Then use the rubber gasket provided to mark the hole position in the centre of the mount.

Once you have marked the mounts positions, drill the marked hole positions using a 12.5mm drill.

Remove the deck fittings from the tower and attach the mounts to the deck. Screw the 12mm stud into the bottom of the deck mounts, using loctite or thread lock.

Place the rubber washer between the deck mount and the deck of the boat (this will cushion the mount on the fibreglass).

Put the stainless steel backing washer under the deck and screw the 12mm nyloc lock nut onto the thread. Apply some grease to the thread before screwing the nut on, wind the nut onto the thread but do not tighten it all the way, leave it slightly loose so the deck fitting can still pivot on the deck, this will allow the deck fittings to pivot into position when the tower is attached and the nuts will be tightened last after the tower is attached.

Now attached the tower to the mounts.

The tower is now mounted to the boat, adjust the angle of the top centre tube with the tow point, so that the tow point is level.

Before drilling the holes to lock the front and back tower bars to the centre top tube, check that the centre tube is central to the front tower bars and level with your boat. If you are unsure if it is exactly level always have the front of the top section slightly lower than the back as you boat will usually ride higher in the nose, there for levelling out the look of the tower.

Drill thru the holes in the centre top tube(8 X 10mm drill) for the bolts to lock the rear bars to the centre tube.

For the hole inside the top section you may need to drill a smaller hole thru first at a slight angle as the room between the front and back tubes is limited, then you can drill thru from the outside hole using the smaller hole to centralise the drill .

Alternatively, you can mark the hole position and remove the tower side tube to drill the inner hole.

Put the bolts in position, apply some grease to the bolts for the nyloc lock nuts, tighten the nuts completely.

Tighten the 2 bolts on each front deck fitting and swivel.

Tighten the 2 bolts on each uni fitting attached the back bars.

Remove the front deck mount bolts, the bolt that attaches the deck fitting to the swivel fitting, loosen the bolt up the centre of the swivel fitting half a turn so the fitting can swivel 360*. rotate the swivel fitting in the bottom of the front tower bar so it lines up with the deck fitting. The deck fitting may also rotate slightly on the deck to line up with the swivel fitting as you do this. Once they are lined up and the deck fitting is sitting flat on the deck, carefully hold the swivel fitting so it cannot turn out of position and nip up the allen key bolt in up the centre of the fitting, once it is nipped up screw the small grub screw in the thread in the swivel fitting, screw it in all the way and nip it up, this will stop the swivel fitting from turning when you lock up the centre swivel bolt. Now lock the centre swivel bolt tightly.

Re attached to the deck fitting and tighten the bolt.

Repeat this for both front bars.

Now tighten all the nuts under the deck, the tower is now holding the deck fittings in the correct position so all the nuts under the deck can be tightened.

Double check that all the bolts are tight, the tower is now installed.

Grab a cold beer and admire your work. Allow up to 1 hour for this last process!!

Method 2

If you are using method 2, follow the same steps but instead of assembling the tower and lifting it onto the boat to mark the position of the fittings, measure and mark the fittings using the dimension guide.

Folding the tower down



Only fold the tower down for storage, transport the tower in the upright position as this is when the tower is strongest and most stable.

To fold the tower down for storage, the front bolts are removed and the tower pivots on the back bars at the bottom, the tower will also fold in the middle of the top section to allow the front bars to lower as the tower pivots on the back deck fittings.

Loosen the two bolts that connect the back bars to the back deck fittings, this is where the tower will pivot to fold down.

Loosen the 2 bolts in the hinges in the top of the tower, this is where the front and back tower sections will pivot as the tower folds down

Remove the bolts from the front deck fittings.

Allow the tower to fold back supporting it as it lowers. (note; board racks may need to be removed for folding down)

Check that the tower isn't pressing on any upholstery where it may tear if left for a period of time, you may need to sit something in place for the tower to rest on when folded down to prevent any damage to your upholstery, also check that it is not resting on your windscreen.

It is best to transport the tower in the upright position and fold down only for storage.

Ensure that all the fittings are tight before transporting and using. Hit the tower with the palm of your hand, if something rattles, check for a loose fitting.

Fluid Core wakeboarding towers are designed to tow wakeboarders only, and a maximum of 1 person to be towed at any time.

Fluid Core Australia will not be held responsible for poor manufacturing standards by other boat builders.

Fluid Core Australia manufactures its products to the highest possible standards.

We cannot however guarantee the quality of every boat. If you are unsure about the suitability of this product for your boat, consult the manufacturer or an experienced marine dealer.



Swivel Fitting



Deck Fitting