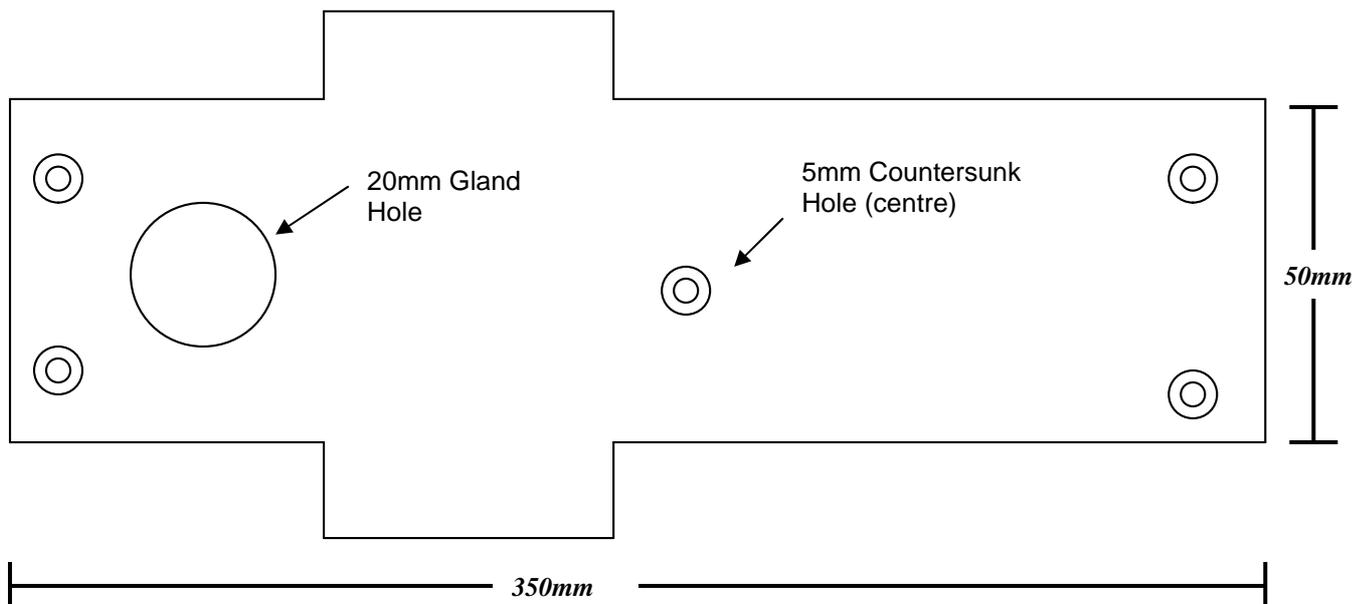


Catch 390 Fish Finder (FF) Installation Guide

a. Tools Required for Fish Finder Installation

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- § Pencil/Marker
 - § Drill (Battery/Electric)
 - § Drill bits; 4mm, 5mm, 9mm, Philips-head (or Philips-head screwdriver)
 - § 35mm Holesaw (can be substituted with one of the aforementioned drill bits and a round file)
 - § # 8 spanner
 - § Vise-grip pliers
 - § Side-cutter pliers (refer step 6 to determine if side-cutters are required)
 - § Sharp knife
-

b. Plastic Base Outline



c. Step by Step Installation

Step 1. Positioning holes on kayak:

§ Hold plastic base 20mm in front of Rod Park.



§ Using the 20mm gland hole on the plastic base as a guide scribe cable outlet position.

§ Drill 4mm pilot holes into kayak through the five 5mm countersunk holes in the plastic base.

Step 2. Drill Holes:

§ Remove plastic plate.

§ Re-drill the 4mm pilot holes to 9mm.



§ Use holesaw to drill a 35mm outlet on the scribed line.

(Tip: If a 35mm holesaw is not available, drill a series of holes inside the scribed line with one of the aforementioned drill bits, remove plastic and file the hole out to 35mm)



Step 3. Fit well-nuts into the 9mm holes.



Step 4. Attach gland to base. Fully tighten bottom gland screw.

(Tip: Use the vise grip to hold bottom nut while tightening gland)

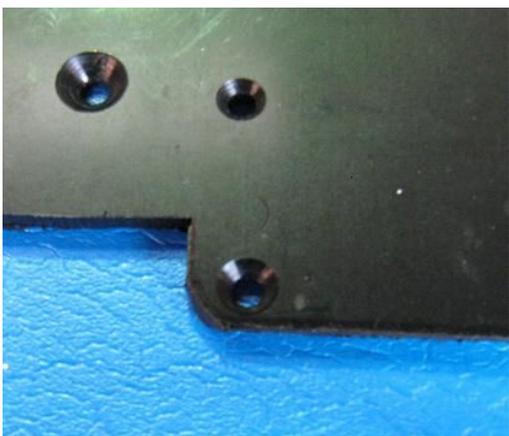
Step 5: Prepare plastic base to fit FF bracket:



§ Position FF bracket on plastic base and mark locations for screw holes as shown.

§ Drill 5mm holes through the marks.

(Tip: Drill out holes on FF bracket to 5mm if standard holes are smaller than 5mm)



§ Countersink the bolt holes on the underside of the plastic base (foam side). This allows the plastic base to sit flush onto the kayak and form a watertight seal.

(Tip: The 9mm drill bit can be used to countersink these bolt holes. If necessary, remove excess foam before drilling holes. Take care while drilling to avoid drilling through the plastic base.)

Step 6: Attaching FF bracket:

i. External Plug In:



- § Fix bracket to plastic base using M5 x 20 CSK bolts and M5 nut. Fully tighten nut with spanner.

ii. Internal Plug In :

- § Route transducer cables before securing bracket. Refer to Step 11 for details.



- § Use the side cutters to cut off two tabs from the bottom of the FF bracket.



- § Feed cables through the opening on the bottom of the bracket.

- § Secure cables to FF bracket according to manufacturers guide.



- § Position bracket on plastic base ensuring cables run through the gaps on the bottom of the bracket.
- § Attach bracket to plastic base using M5 x 20 CSK bolts and M5 nut. Fully tighten nut with spanner.



Step 7. Attach plastic base to kayak using M5 x 30 countersunk screws. If necessary trim off any overhanging foam.

Step 8. Installing transducer:

- § Sand inside surface of the transducer box with sandpaper. After sanding, thoroughly clean the surface with a fast solvent (e.g. whitespirits) to remove any sanding debris.
- § Evenly fill base of transducer box with approximately 5mm of Polymer Sealant (silicone).



- § Push transducer firmly into the silicone until it comes into contact with the hull, keeping the pointed end of the transducer body pointed towards the bow.
- § Secure transducer using alloy rod and foam block as shown.
- § Fill approximately 10mm of silicone around the transducer to permanently fix it to the box.

(Tip: Refer to manufacturers installation guide for detailed instructions on transducer installation)



- § Fit foam cap over transducer box.
(*Tip: The foam cap requires stretching to fit over the alloy rod.*)

- § Allow 24 – 48 hours for the silicone to fully cure.

Step 9. Cable Set-Up

- § Route transducer and power cables through to the gland outlet.
(*Tip: Feed one end of a secondary wire through the cable gland to the transducer. Use this wire to guide the transducer and power cables through the cable gland. Feed one cable at a time through the gland opening.*)
- § Cut block of foam to size and wrap around the two cables and push it into the gland outlet. Feed cables through gland nut. Tighten nut, closing the gland outlet, and squeezing foam around wires for a watertight seal.
- § Install an inline **waterproof fuse holder** and a 1 amp fuse on the +ve power cable for the protection of the unit. (*Most good marine shops carry waterproof fuse holders*)
- § Loose cables can be tidied up using the cable ties provided.

Step 10. Securing Battery



- § Feed bungee (end without loop) through tags on kayak.
- § Attach hook to bungee.
(*Tip: Slide sleeve through bungee. Attach hook onto end of bungee and lock in place by sliding sleeve over the tags on the hook.*)



- § Fix battery into foam box.
- § Position foam box between tags and secure with bungee.
- § Plug wires to battery and unit before use.