

## RV-100 Jack Plate Mount and Spacer Kit

### Applicable products

This document is applicable to the following products:

- RV-100 Jack Plate Mount (part no. A80480)
- RV-100 Jack Plate Spacer Kit (part no. A80482)

**Note:** The Jack Plate Mount and Jack Plate Spacer Kit are supplied separately.

### Parts supplied

#### Parts supplied — Jack Plate Mount

The parts supplied with your product are listed below.

1. Jack-plate bracket
2. Mounting fixings x 4
3. Bracket fixings x 2
4. Documentation

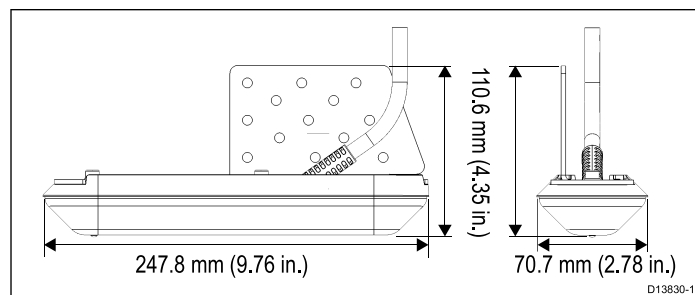
#### Parts supplied — Jack Plate Spacer Kit

The parts supplied with your product are listed below.

1. Mounting fixings x 4
2. Documentation

### Product dimensions - Jack Plate Mount

The transducer's dimensions including the bracket are shown below.



### Selecting a location for the Transducer

The guidelines below should be followed when selecting a location for your transducer.

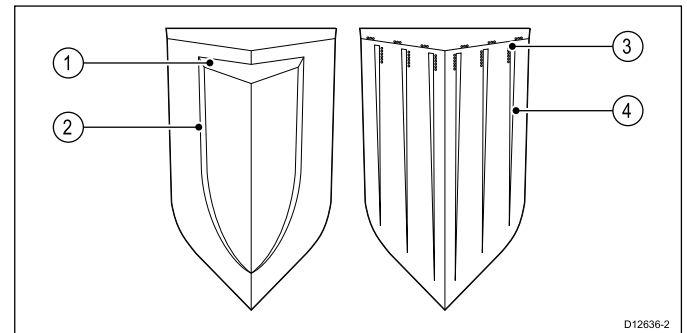
**Note:** The transducer with Jack Plate Mount fitted is designed for mounting on the side of a jack plate, only.

For best performance the transducer must be installed in a location with the least turbulence and aeration.

- The transducer should be mounted to the side of a jack plate.
- Care should be taken to ensure the transducer does not interfere with jack plate operation. On certain installations the jack plate space kit will be required to provide clearance between the transducer and the jack plate's motion.
- Always mount the transducer on the down-spinning side of the propeller to minimize cavitation. Mount a suitable distance from

the propeller(s) to avoid wake. If necessary, use the Jack Plate Spacer kit to position the transducer further from the propeller(s).

- Turbulence can be caused by a number of other factors such as steps (1), ribs (2), rows of rivets (3) and strakes (4). The turbulence appears aft of these locations.



- Air trapped under the front of the vessel can travel under the hull and appear as aeration.

**Note:** Optimum transducer location will vary depending on hull type, and the jack-plate mounting position.

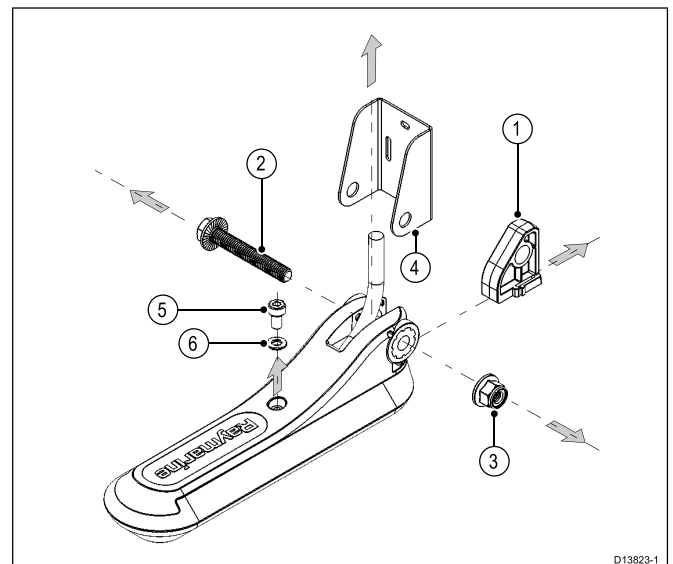
### Preparing the transducer

The RV-100 RealVision™ 3D transducer (part number A80464) is supplied already attached to a transducer hanger.

Before mounting the transducer using the accessory bracket, you must remove the transducer from the transducer hanger.

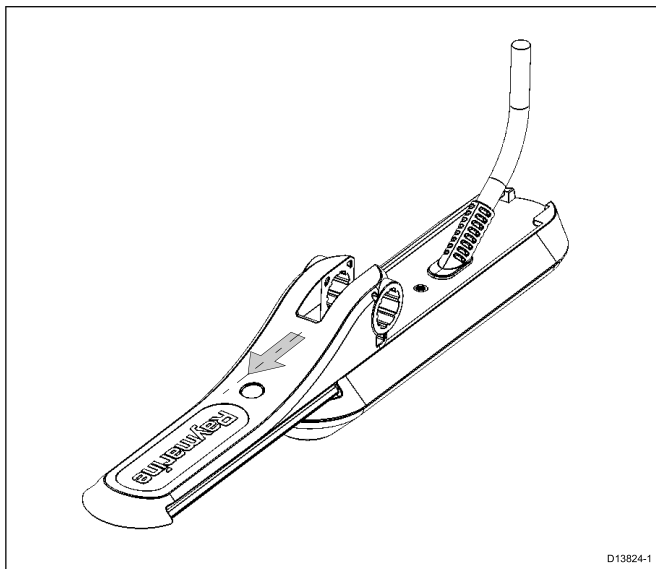
1. Remove the bracket fixing bolt (5) and washer (6).

*Store the loose parts in a safe place; you will need these parts if you want to mount the transducer on a transom using the standard mounting bracket in the future.*



2. Using a 4 mm hex key, remove the flanged mounting bolt (2), flanged nyloc nut (3), and mounting bracket (4).
3. Slide the plastic chock (1) away from the transducer assembly.
4. Remove the transducer carrier from the transducer by sliding the carrier to the rear of the transducer.

*Store the transducer carrier in a safe place; you will need this if you want to mount the transducer on a transom using the standard mounting bracket in the future.*



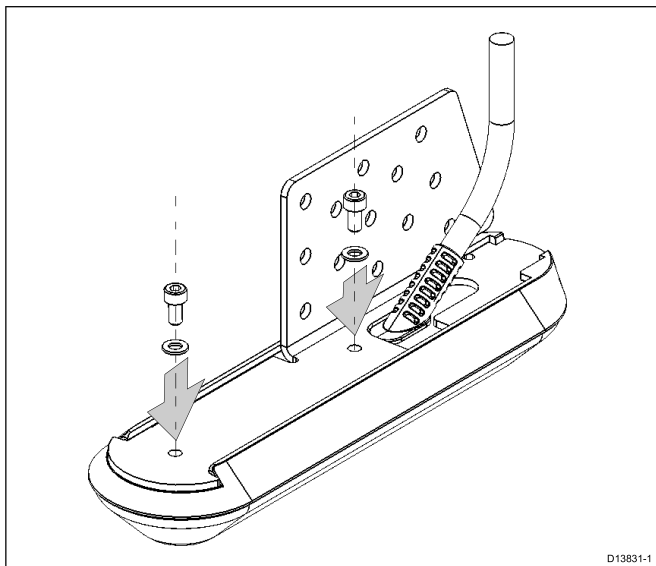
The transducer is now ready for attaching the accessory bracket.

## Attaching the jack-plate bracket to the transducer

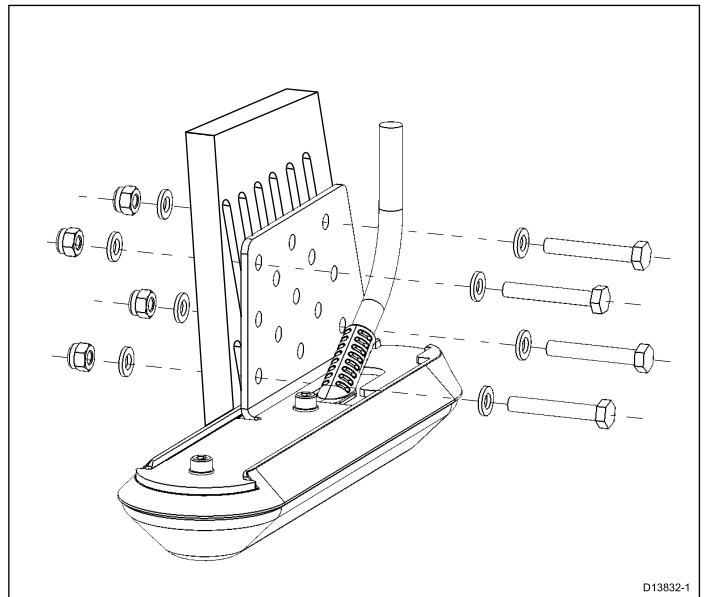
With the transducer carrier removed from the RV-100 transducer, you can now attach the jack-plate bracket.

1. Place the bracket on the top surface of the transducer, ensuring that the transducer cable is positioned within the slot in the bracket, and the bracket tabs have slotted beneath the retaining tabs on the transducer. Ensure that the 2 holes on the bracket align with the holes on the top face of the transducer.
2. Using the bolt and serrated washer provided with the jack-plate bracket, secure the jack-plate bracket to the transducer. Use a 4 mm hex key to hand tighten both bolts.

*Do not overtighten the bolts, as this may damage the transducer.*



**Note:** Where applicable, feel free to re-purpose any existing bolts or pre-drilled holes that exist on the jack plate. If a sufficient number of pre-existing bolts / holes are not available, additional holes will need to be drilled in the jack plate. Before drilling any holes, consult with your jack plate manufacturer to ensure your selected location will not interfere with jack plate operation.



1. Align the bracket with the identified jack plate mounting surface, then thread the 4 bolts through the bracket and jack plate; ensure that the supplied washers are used as illustrated.
2. Using a spanner (wrench), tighten the nyloc nuts.

**Note:** If you wish to position the transducer laterally from the jack plate, use the extra-long bolts and spacers provided in the Jack Plate Spacer Kit (part no. A80482; not illustrated). You should thread the bolts through the aluminium spacers before passing the bolts through the jack plate.

## Mounting the transducer

The steps below describe using the bracket to mount the transducer to the side of a jack plate.

Before mounting ensure that you have:

- identified suitable mounting points on the side of the jack plate.
- checked the final position of the transducer in the water, with the jack plate positioned as it will be while the transducer is in use.
- identified the route that the cable(s) will take.