## Trolling motor installation

Refer to the documentation included with the trolling motor accessories (000-0051-45).

## Technical specifications

| Environmental | Mid/High Skimmer | Low/High Skimmer |
|---|---|---|
| Operating temperature | 0°C to +50°C (32°F to +122°F) | 0°C to +50°C (32°F to +122°F) |
| Storage temperature | -30°C to +70°C (-22°F to +158°F) | -30°C to +70°C (-22°F to +158°F) |
| **Physical** | | |
| Weight (without cable) | 0.11 kg (0.24 lbs) | 0.37 kg (0.81 lbs) |
| Cable length | 6 m (19.5 ft) | 6 m (19.5 ft) |
| Mounting options | Transom, trolling motor, shoot-thru-hull | Transom, shoot-thru-hull |
| **Sonar** | | |
| Output | Depth and temperature | Depth and temperature |
| Frequency | Medium/High CHIRP (83/200 kHz) | Low/High CHIRP (50/200 kHz) |
| Beam width (at -3dB) | 38° at 83 kHz<br>17° at 200 kHz | 29° at 50 kHz<br>12° at 200 kHz |
| Max depth | 304 m (1000 ft) at 200 kHz | 914 m (3000 ft) at 50 kHz |
| Max speed (transom mount) | 60 knots (70 mph) | 60 knots (70 mph) |

→ ***Note:*** When mounted in-hull or shoot-thru-hull the transducer will read the temperature at the transducer's location.

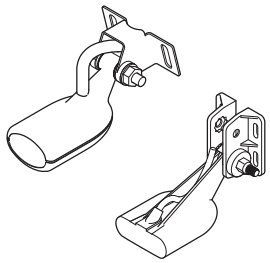
LOWRANCE

SIMRAD

B&G

# SKIMMER TRANSDUCERS

# INSTALLATION GUIDE



For product manuals, technical specifications, certificates and declarations refer to the product website:

**www.lowrance.com**

**www.simrad-yachting.com**

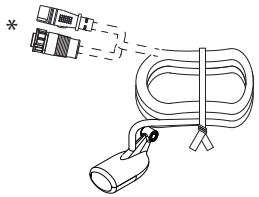
**www.bandg.com**

*988-12321-002*

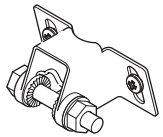
## Parts included

### Mid/High Skimmer

Transducer with cable



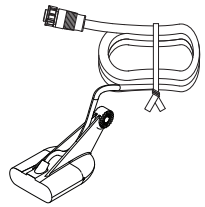
Bracket kit



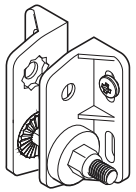
* Available with different connectors

### Low/High Skimmer

Transducer with cable

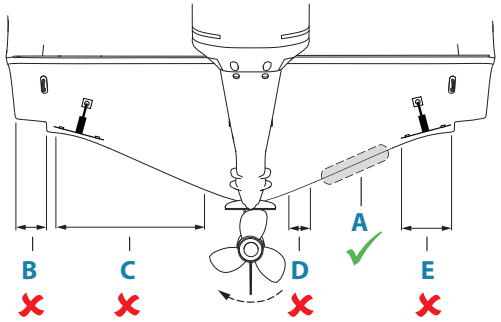


Bracket kit



## Mounting guidelines

The transducer could lose bottom signal when the boat is on plane.
The transducer will not work while it is out of the water.
If your boat has a counterclockwise propeller rotation configuration mirror the example shown in the illustration below.



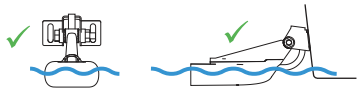

Best mounting location:

**A.** undisturbed water flow

Avoid mounting:

**B.** behind planing strake
**C.** 1 m (3.3') to port (left) of propeller
**D.** within 7.5 cm (3") to starboard of propeller
**E.** close to trim tabs

Mount the transducer parallel to the water surface.



## Shoot-thru-hull installation

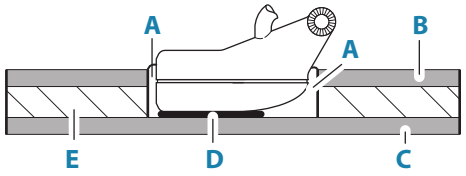
**Warning:** Do not remove any material from your inner hull unless you know the hull's composition. Contact your boat dealer or manufacturer to confirm your hull specifications.

Shoot-thru-hull transducers cannot shoot through:

- wood hulls
- metal hulls

Before you epoxy the transducer to the hull, make sure that:

- the area is clean, dry and free of oil or grease
- the surface of the hull is flat so the entire transducer face is in contact with the hull



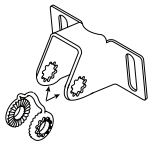

**A.** Resin
**B.** Inner hull
**C.** Outer hull
**D.** Epoxy
**E.** Flotation material

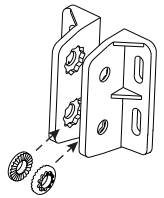
1. Sand smooth the face of the transducer and the bottom of the inner hull.
2. Apply epoxy to the face of the transducer and the bottom of the inner hull.
3. Glue the transducer to the inner hull (**D**).
4. Apply pressure to the transducer while the epoxy is setting.

## Transom mount

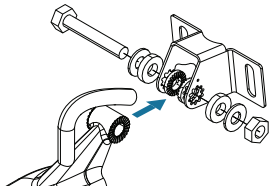
**Mid/High Skimmer** **Low/High Skimmer**

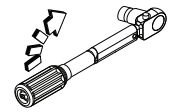
1



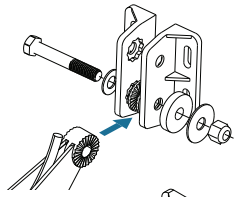


2

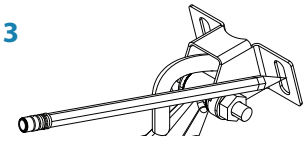


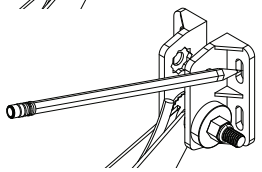


Torque to 1.7 Nm (15 lbf in).

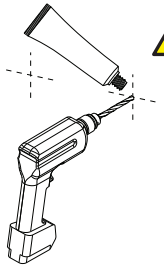


3



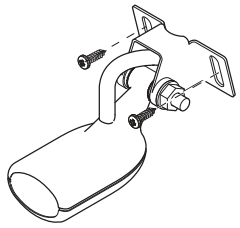


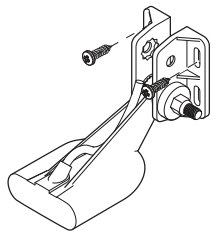
4



Apply a marine high-grade above- or below-waterline sealant/adhesive compound to the pilot holes.

5





Recommended pilot holes:

| Material | 10# screw |
|---|---|
| Soft materials e.g. Plywood | Ø 3.7-4.0 mm (5/32") |
| Hard materials e.g. Fiberglass, Acrylic, Hardwoods | Ø 4.1-4.7 mm (3/16") |