GARMIN®

LIVESCOPE™ 2 JACK PLATE MOUNT

Installation Instructions

Important Safety Information

⚠ WARNING

See the *Important Safety and Product Information* guide in the chartplotter product box for product warnings and other important information.

You are responsible for the safe and prudent operation of your vessel. Sonar is a tool that enhances your awareness of the water beneath your boat. It does not relieve you of the responsibility of observing the water around your boat as you navigate.

⚠ CAUTION

Failure to install and maintain this equipment in accordance with these instructions could result in property damage or injury.

NOTICE

For the best possible performance and to avoid potential damage to the device or to your vessel, you must install this device according to these instructions.

Read all installation instructions before proceeding with the installation. If you experience difficulty during the installation, go to support.garmin.com for more information.

Operating Considerations

⚠ CAUTION

While operating at speeds greater than 19 km/h (12 mph), the performance of the transducer is limited, the bottom return is diminished, and the depth information and alarm may not provide warnings for potential shallow depth areas.

NOTICE

The jack plate mount is not designed to break away on impact, and striking an underwater object may damage the transducer, the jack plate mount, the jack plate, or the transom of your vessel. Operate your boat slowly in shallow water, areas of unknown depth, or areas where there may be underwater obstructions.

While traveling at higher speeds, the transducer may have noticeable effects on the operation of your vessel due to the drag of the transducer in the water. At higher speeds above 50 km/h (30 mph), this effect should not persist because the mount should be out of the water. If the effect does persist, your transducer may be incorrectly mounted too low.

The steering of your vessel may pull toward the side where the transducer is installed. At higher speeds above 50 km/h (30 mph), this effect should not persist because the mount should be out of the water. If the effect does persist, your transducer may be incorrectly mounted too low.

The top speed of your vessel may be lower than it is without the transducer installed.

Tools Needed

- Torque Wrench
  - 10 mm ($^3/_8$ in.) socket
  - 13 mm ($^1/_2$ in.) socket
- 10 mm ($^3/_8$ in.) wrench
- 13 mm ($^1/_2$ in.) wrench

Mounting Considerations

You should mount the transducer in a location where it will not be jarred when launching, hauling, or storing.

All jack plates are different. You must install the jack plate mount on your jack plate so the transducer is about 75 to 100 mm (3 to 4 in.) from the back of your transom. The transducer should not contact anything when rotated upward approximately 30 degrees.

Installing the Jack Plate Bracket

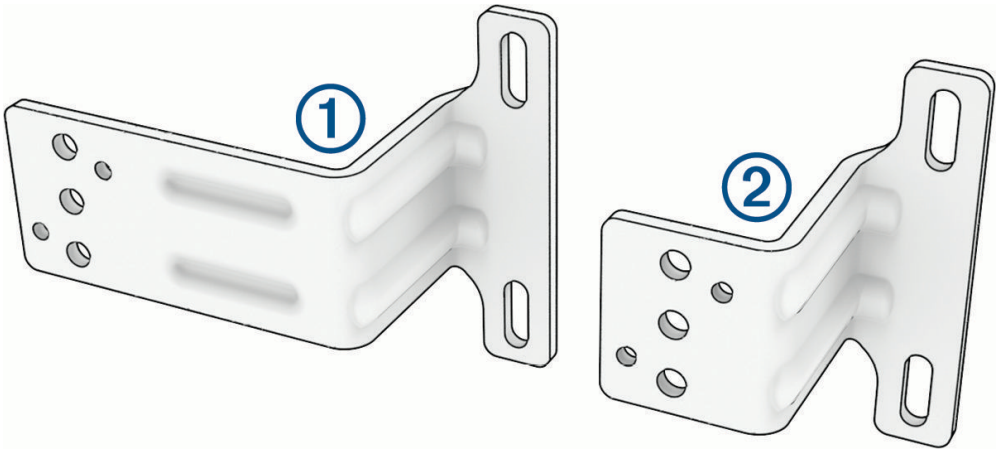
1 Identify the style of jack plate installed on your vessel.

NOTICE

This mount is compatible with only Atlas® brand and Bob's Machine® brand jack plates.

2 Locate the two L-shaped jack plate brackets and choose the correct one for your vessel.

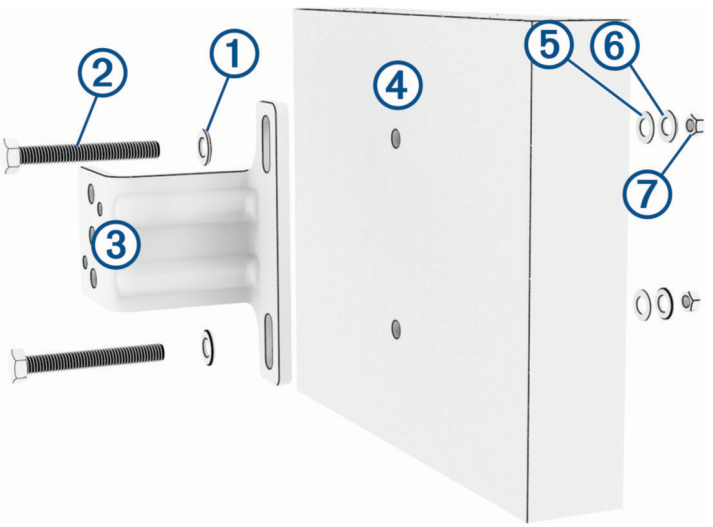
Bracket ① is designed for an Atlas jack plate and bracket ② is designed for a Bob's Machine jack plate.



3 Align the holes in the bracket with the holes in the side of your jack plate.

4 Locate the included 40 mm bolts, 8 mm washers, and 8 mm nuts in the bag labeled Ⓐ.

5 Place the steel washers ① on the bolts ②.



6 Insert the bolts through the bracket ③ and the jack plate ④.

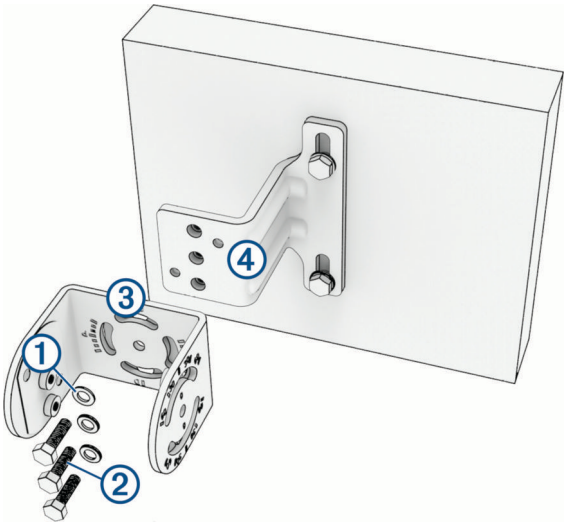
7 Place the plastic washers ⑤ and then the steel washers ⑥ on each bolt, and finger-tighten a nut ⑦ onto the end.

Do not fully tighten the nuts yet.

Installing the Tilt Bracket

The tilt bracket connects to the jack plate bracket and allows you to rotate your transducer for different viewing modes.

1. Place the tilt bracket against the jack plate bracket so that the holes align for your preferred configuration:
   - To mount your transducer in perspective mode, center the holes with the slots marked with **P**.
   - To mount your transducer in downward mode, center the holes with the slots marked with **D**.
2. Locate three 20 mm bolts and three 6 mm washers in the bag labeled Ⓑ.
3. Place the washers ① on the bolts ②. .

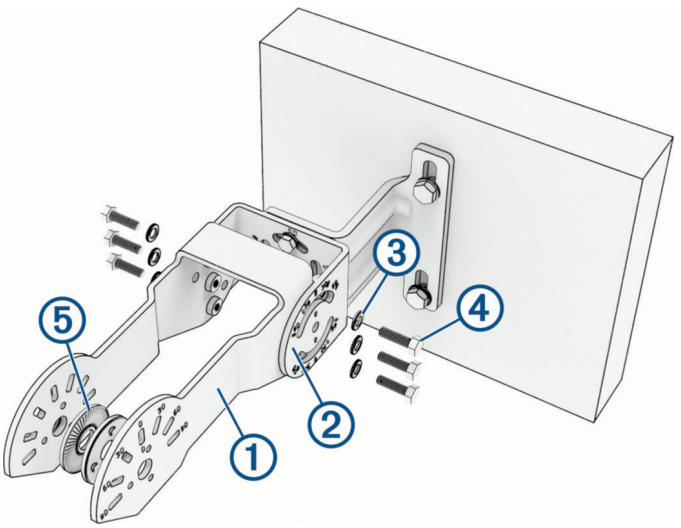


4. Use the bolts to secure the tilt bracket ③ to the jack plate bracket ④.
   For now, finger-tighten the bolts. Do not fully tighten them at this time.

Installing the Transducer Bracket

The transducer bracket holds the transducer in place at your preferred installation angle.

1. Locate six 20 mm bolts and 6 mm washers in the bag labeled Ⓑ.
2. Place the transducer bracket ① inside the tilt bracket ② and align the holes for your preferred angle.



3. Slide the washers ③ onto the bolts ④.
4. Use the bolts to secure the transducer bracket to the tilt bracket.
   For now, finger-tighten the bolts. Do not fully tighten them at this time.
5. Locate the two adapter discs ⑤.

There are two sets of adapter discs included with the jack plate mount. The all-black set is designed for use with a LiveScope™ Plus transducer, and the set with a blue ring is designed for use with a LiveScope 2 transducer. Make sure to install the discs that are appropriate for your transducer.

6 Remove the plastic liner from the adhesive on the back of one disc and press it onto a slot on either side of the unit bracket.

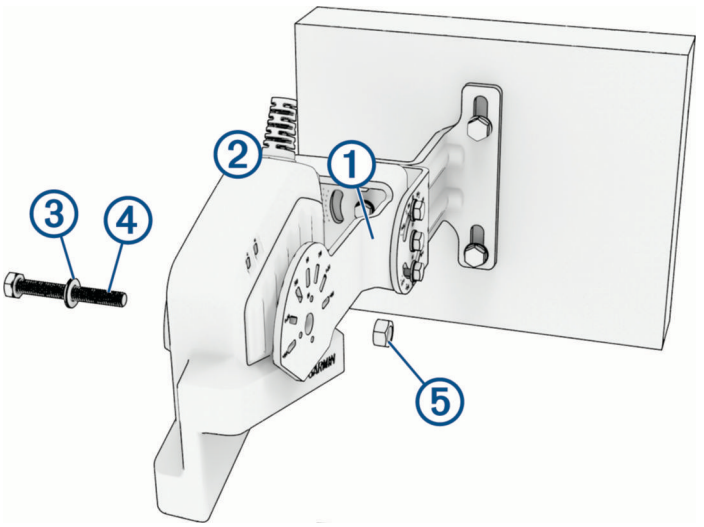
Apply pressure to the disc for 30 seconds to ensure a strong bond.

7 Repeat the previous step for the other disc.

Installing the Transducer

After you have installed the transducer bracket, you can install your LiveScope™ 2 transducer on the jack plate mount.

1 Place the arms of the transducer bracket ① against both sides of the transducer ② so the adapter discs press against the ridges in the transducer.



You may need to spread the arms of the transducer bracket slightly so the transducer fits.

2 Locate the 70 mm bolt, 8 mm washer, and 8 mm nut in the bag labeled Ⓒ.

3 Place the washer ③ on the bolt ④ and insert it through the transducer bracket and transducer.

4 Finger-tighten the nut ⑤ on the end of the bolt.

Do not fully tighten the nut at this time.

Positioning Considerations

After you have installed the jack plate mount and connected your transducer, you must adjust the angle and depth.

For the sonar to function properly, the transducer must be fully submerged when operating at speeds up to 19 kph (12 mph). The water line on your boat changes when operating at different speeds so you should test the transducer depth several times.

NOTICE

Your transducer should not be submerged when operating at speeds above 32 km/h (20 mph). Improper installation depth can result in excessive drag forces that damage your transducer, jack plate mount, or your vessel.

The installation angle and depth depends on which viewing mode you select for the transducer.

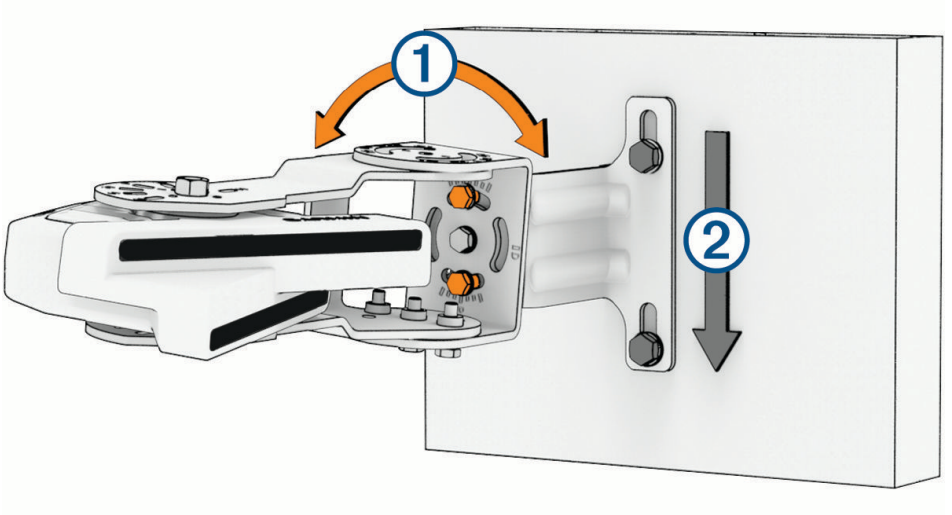
- In perspective mode, the transducer is mounted sideways and angled to display a wide view of fish and structures, like rocks and weeds, to the rear of your vessel (*Installing the Jack Plate Mount in Perspective Mode*, page 5).
- In downward/forward mode, the transducer beam is perpendicular to your direction of travel. While your vessel is stationary, you can see individual fish or structures. When used at speed, you can quickly scan bottom structures and scout for schools of fish (*Installing the Jack Plate Mount in Downward or Forward Mode*, page 5).

Installing the Jack Plate Mount in Perspective Mode

1 Confirm that the tilt bracket is installed with the bolts located in the slots marked with **P**.

If the bolts aren't in the **P** slot, you must remove them, rotate the tilt bracket, and reinstall them in the correct slot.

2 Rotate the tilt bracket ① so that the transducer is angled slightly downward.



An angle of approximately 7.5 degrees is recommended for best sonar performance, but you may need to adjust this angle depending on your experience. Each tick mark on the tilt bracket represents 7.5 degrees.

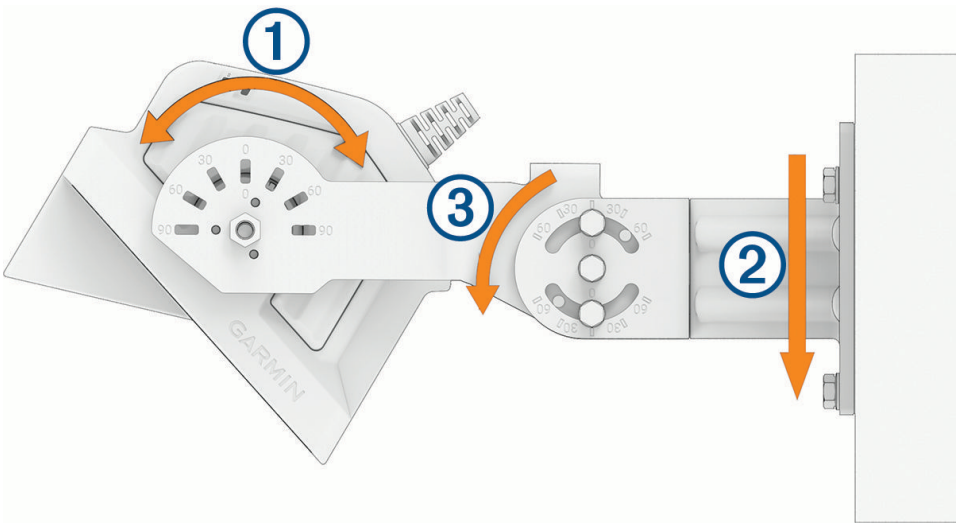
3 Adjust the height of the jack plate bracket ② to ensure the transducer is submerged when the boat is in the water.

Installing the Jack Plate Mount in Downward or Forward Mode

1 Confirm that the tilt bracket is installed with the bolts located in the slots marked with **D**.

If the bolts aren't in the **D** slot, you must remove them, rotate the tilt bracket, and reinstall them in the correct slot.

2 Rotate the transducer ① to adjust the angle of the sonar beam.



As a starting point, align the marking on the transducer with the 30-degrees slot closest to the jack plate. From there you can test the results on your vessel and adjust the angle as needed. Every boat is different and you may need a different angle for the best performance.

3 Adjust the height of the jack plate bracket ② to ensure the transducer is submerged when the boat is in the water.

If you must move the transducer deeper than the slots on the jack plate bracket, you can rotate the transducer bracket ③.

Tightening the Bolts

After you have oriented the transducer in your preferred viewing mode, you must fully tighten each bolt to the specified torque.

NOTICE

You must tighten each bolt to the specified torque. Over- or under-tightening the bolts can result in damage to the transducer or jack plate mount.

1. Using a torque wrench, tighten the two larger 8 mm bolts to 20 N-m (15 lbf-ft.).
2. Tighten the nine smaller 6 mm bolts to 9 N-m (6.5 lbf-ft.).

You should regularly inspect the jack plate mount for loose bolts, and tighten them as needed.

Routing Cables Over the Transom

To connect your transducer cable, you should route it over the top of your transom before connecting it to your chartplotter.

NOTICE

When routing the transducer cable over the transom, you must secure it so it won't get caught on any passing debris such as floating logs or tree limbs.

Avoid routing the cable close to electrical wires or other sources of electrical interference. Electrical interference can result in poor product performance.

If the included transducer cable is not long enough, you can connect optional extension cables. Extension cables are available at buy.garmin.com or from your local Garmin® dealer.

1. Route the transducer cable over the top of the transom, and connect it to your chartplotter.
2. Secure the cable along the route so it cannot snag on debris in the water or people in the vessel.

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