

# Bass Sniper RFL Installation Guide

## For Minn Kota Terrova Trolling Motors

### Contents:

TurretHead  
TacBracket  
StealthPedals + wiring  
Shaft Segments (Socket Shaft + 3 Shaft Lengtheners)  
TracerTag  
Mounting Bolts (2) (in clamp)

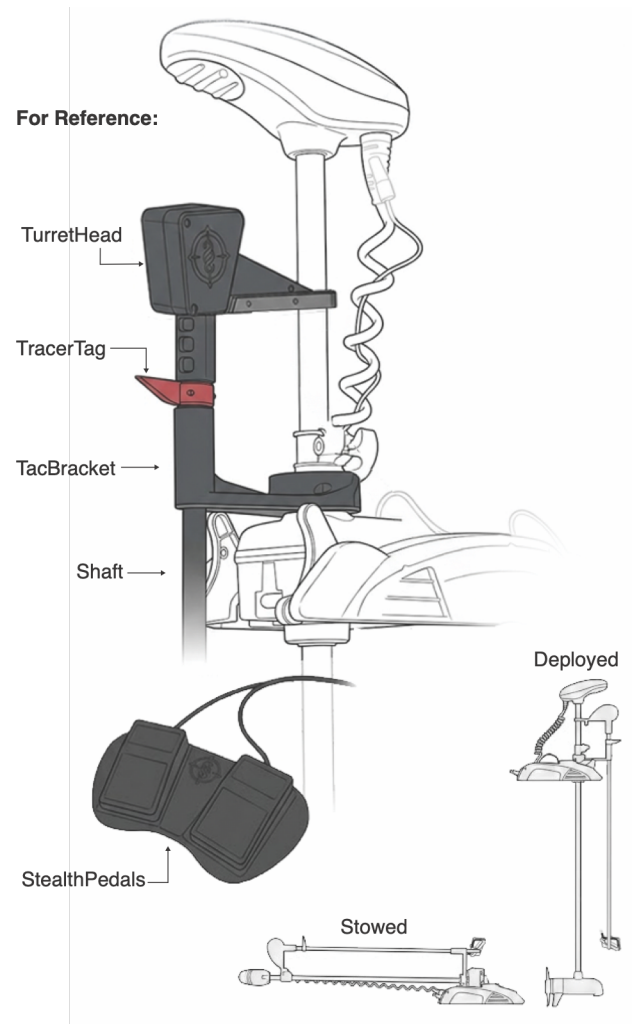
### Assembly:

#### Phase 1: Bracket & Drive Mounting

1. **Installing the TacBracket:** With the motor stowed, remove the two bolts to separate the back clamp from the bracket. Wrap the assembly around the upper portion of the **motor pivot housing**. Reinstall the bolts and tighten until the bracket no longer moves.
2. **Position TurretHead:** Remove the rail bracket from the TurretHead by removing the two pin bolts that run through the rail and head housing. Place the TurretHead and its bracket around the upper portion of the Terrova shaft, ensuring it is positioned **above the factory depth clamp**.
3. **Secure TurretHead:** Reattach the rail bracket and tighten the bolts until the TurretHead is firmly fixed to the shaft. Choose the tightest available through hole and insert long bolts first. Be sure that you can see the bolts on the opposite side (this helps you line up the cap for ease of attachment) and screw the bolt cap from the other side.
  - o **Note:** The wider bolt cap only fits on one side.

#### Phase 2: Shaft Assembly & Sizing

4. **Measure Length:** Make sure the shaft clears the prop when stowing and deploying and doesn't sit deep enough when deployed to put the transducer in the prop's path.
  - o **Note:** You may cut the bottom shaft segment to length without voiding your warranty.



5. **Assemble Shaft:** Twist the modular segments together firmly by hand. The **Shaft Socket** (with pre-installed TracerTag) should be at the top, followed by any **Lengtheners** to achieve preferred (and in some cases required) depth.
  - **Pro Tip:** Wrap a layer of electrical tape around the shaft exactly where the TracerTag will sit. This creates a high-grip surface between the shaft and the TracerTag to prevent sliding.

### Phase 3: Stealth Pedal & Power Setup

6. **Placement:** Position the **Stealth Pedals** on your boat deck in a comfortable location for your foot.
7. **Power Connection:** Connect the wiring harness to your boat's **12V battery**.
  - **Red Wire:** Positive (+) terminal
  - **Black Wire:** Negative (-) terminal
8. **Cable Routing:** Route the pedal connector end toward the head of the trolling motor. Avoid "pinch points" in the Terrova mount where the wire could be crushed during stowing/deploying. Best practice is to route it through your trolling motor's factory cable coil and bring it out at the top, near the motor head.
9. **Final Plug:** Connect the plug from the Stealth Pedals into the lead coming from the **TurretHead**.

### Phase 4: Final Integration

10. **Install Downshaft:** Slide the assembled shaft (bottom-end first) down through the top of the **TacBracket**.
11. **Lock to Motor:** Press the **Shaft Socket** firmly into the bottom of the **TurretHead** until it snaps into place.
12. **Mount Sonar:** Attach your forward-facing sonar transducer to the shaft bottom.
  - **CRITICAL:** Ensure the transducer is aligned to point in the exact same direction as the **TracerTag** on the upper shaft.
  - **Pro Tip:** If running a **SniperLink**, route the transducer cable through the trolling motor coil too — in reverse, since it connects at the bottom. Easiest if done before it's run through the deck but alongside the trolling motor coil works fine too.

### Recommended Accessories

The TurretHead can't be mounted tight to the shaft — that's what allows independent rotation. Two accessories protect that connection during normal use: the **StowStabilizer** keeps the head and transducer from bouncing around and putting stress on the shaft and its alignment while stowed. **SniperLink** manages the transducer cable along the shaft, keeping it clear of the pivot and deployment path so it doesn't pinch or snag. Both are sold separately and are recommended for every RFL install.