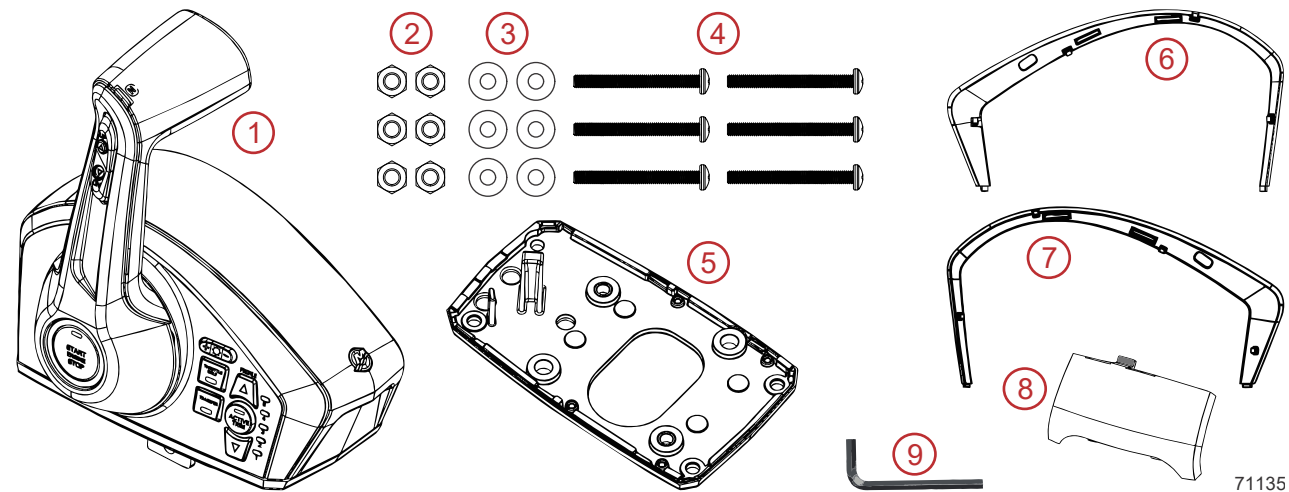


# SINGLE CONSOLE ERC

**IMPORTANT:** This document guides our dealers, boatbuilders, and company service personnel in the proper installation or service of our products. If you have not been trained in the recommended servicing or installation procedures for these or similar Mercury Marine products, have the work performed by an authorized Mercury Marine dealer technician. Improper installation or servicing of the Mercury product could result in damage to the product or personal injury to those installing or operating the product. Always refer to the appropriate Mercury Marine service manual for component removal and installation instructions.

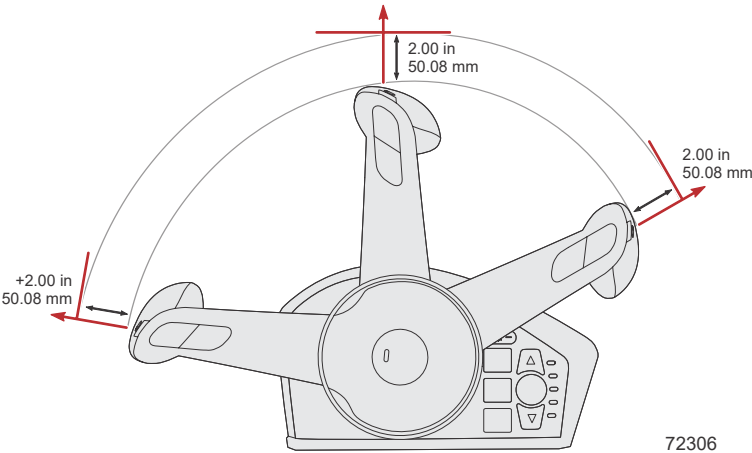
**NOTE:** After completing installation, place these instructions with the product for the owner's future use.

## Components Contained in Kit



Ref.	Qty.	Description
1	1	Single-engine console ERC
2	6	M5 x 0.8 stainless steel locknuts (nylon insert)
3	6	Stainless steel washers
4	6	M5 x 35 pan head stainless steel screws
5	1	Baseplate assembly
6	1	Port accent cover
7	1	Starboard accent cover
8	1	Access cover
9	1	Hex wrench
-	1	Flush mount lanyard stop kit (not shown; separate instructions supplied with lanyard kit)

## Single Console ERC Handle Clearance

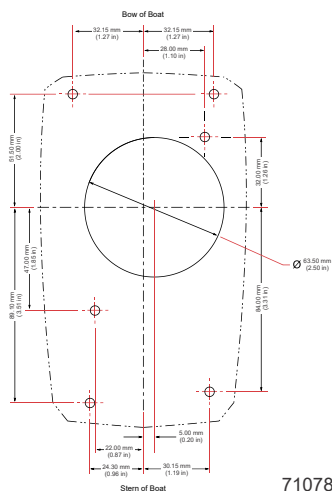


## Locating and Drilling the Mounting Area

**IMPORTANT:** After cutting the mounting area, ensure that the opening is free of sharp edges.

1. Locate the area of the boat where the remote control is to be mounted. Allow sufficient clearance for handle movement and clearance for the wiring.
2. Select the correct template for the mounting application. Templates are supplied with the control.
3. Place the template over the mounting area.
4. Cut and drill as instructed.

## Single Console ERC Template

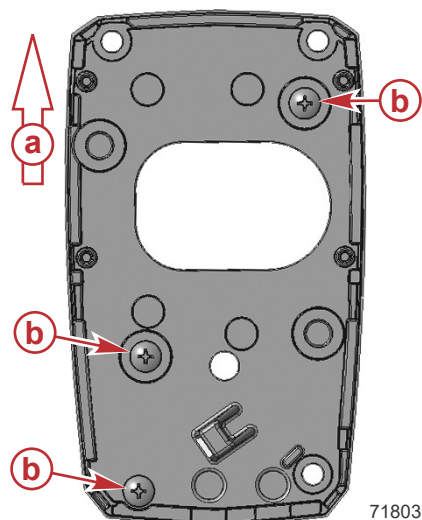


## Single Console ERC Installation

**IMPORTANT:** Do not mount a VHF radio, speakers, or related radio wiring within 46 cm (18.0 in.) of the ERC.

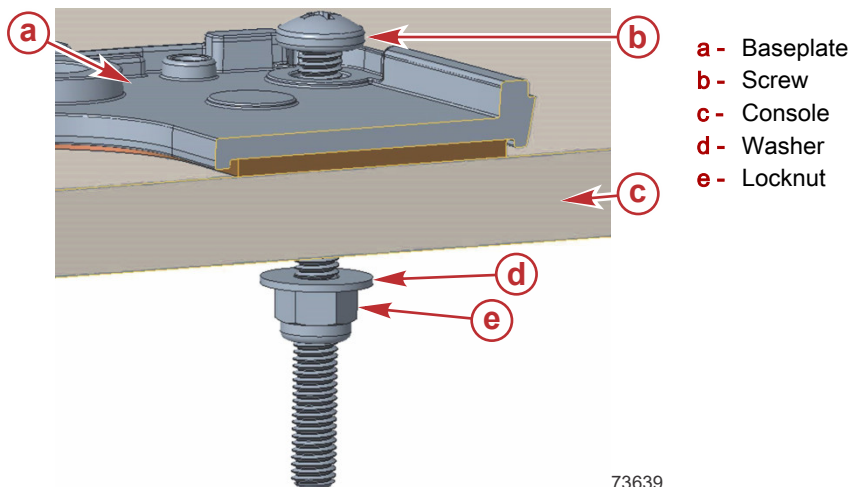
**IMPORTANT:** The ERC can be through-bolted using the supplied mounting hardware (six screws, six washers, and six nuts) or mounted to the console using six 12 x 1.25 wood screws (purchased separately). Be sure to drill the correct size pilot holes for the selected mounting method.

1. Using the provided template, drill the required holes in the console.
  - When through-bolting using the supplied mounting hardware, drill six 5.56 mm (7/32 in.) holes.
  - When using the optional (purchased separately) 12 x 1.25 wood screws, drill six 3.97 mm (5/32 in.) pilot holes.
  - Ensure that the template is positioned correctly, with the large cutout closer to the bow.
2. Attach the baseplate assembly to the console, using the selected mounting method (through-bolted or wood screws), at the three points shown following.



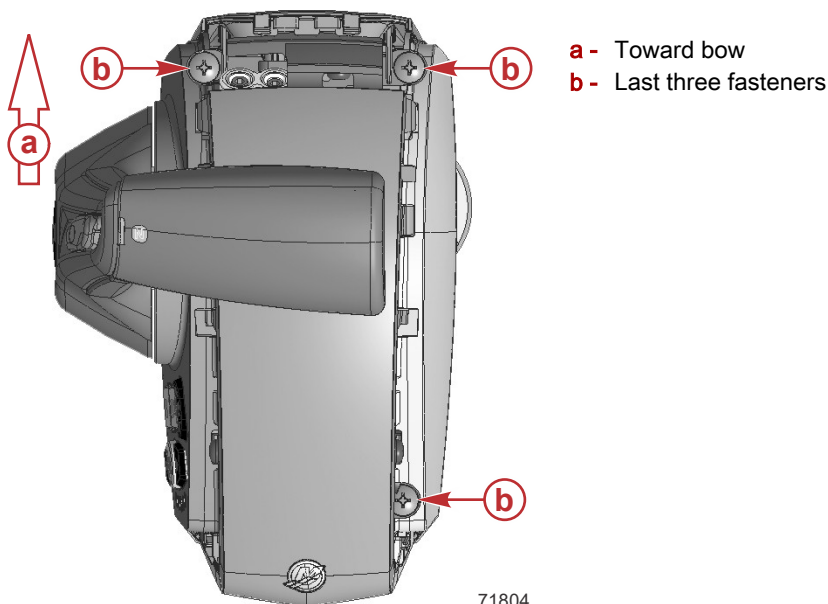
- a - Toward bow
- b - First three fasteners

**NOTE:** When through-bolted, the washer and locknut should be beneath the console, as shown.



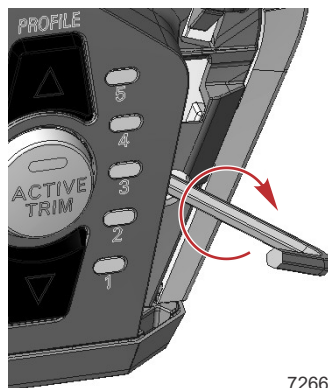
73639

3. Insert the last three fasteners into the holes in the ERC.
4. Feed the ERC harness through the hole in the baseplate and console.
5. Position the ERC on the baseplate, ensuring that the last three fasteners line up with the three remaining drilled holes.
6. Tighten the fasteners (nuts on the through-bolts or the optional wood screws) to secure the ERC and baseplate to the mounting surface.



71804

7. Use the supplied hex wrench to tighten the set screw inside the port rear corner of the ERC.



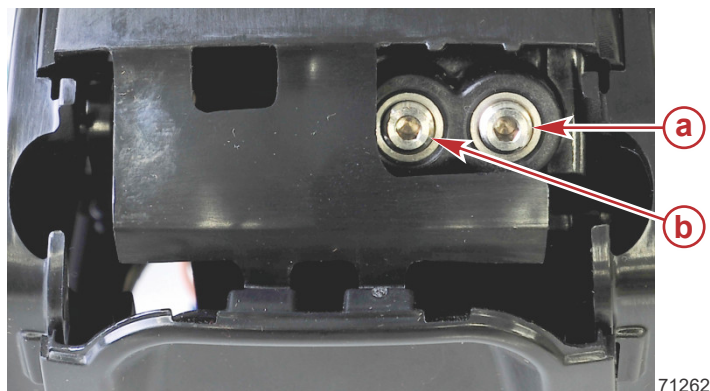
72664

8. Connect the ERC harness to the helm harness: green connector to green connector and blue connector to blue connector.

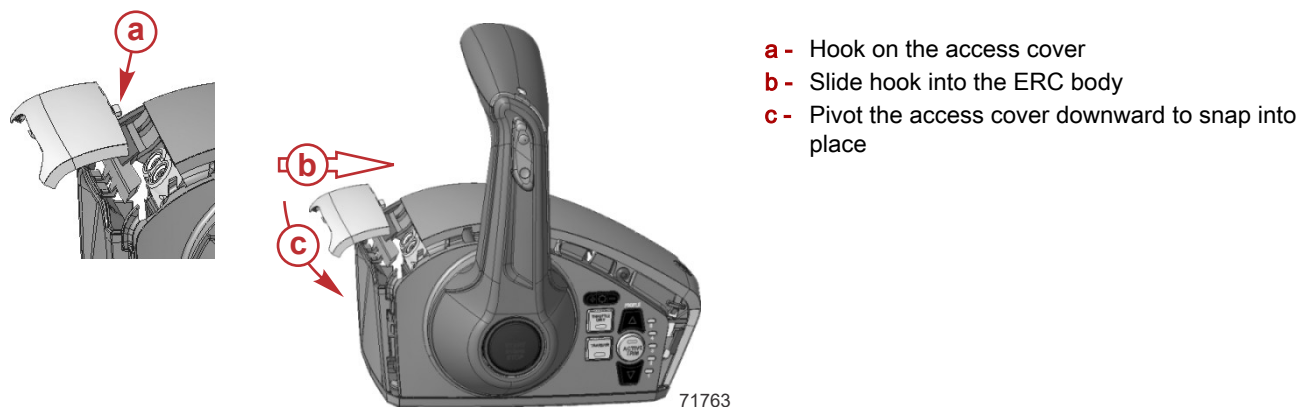
**NOTE:** The following is a partial architecture diagram, showing only the ERC connections.



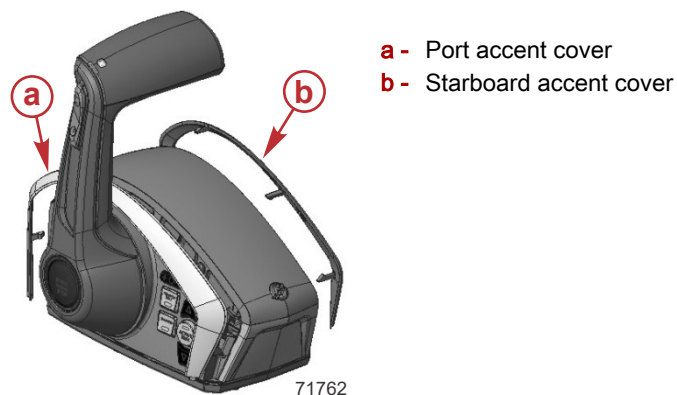
9. Adjust the handle friction and detent as required, using the supplied hex wrench and the adjustment screws at the front of the ERC.



10. Install the access cover onto the ERC.



11. Install the port and starboard accent covers onto the ERC.



- a. Hold the cover at an angle to the ERC, and insert the bottom tabs into the baseplate.



- a** - Accent cover (port shown, starboard similar)
- b** - Angle creates gap at top
- c** - Bottom tabs insert into baseplate

**IMPORTANT:** Pressing the accent cover into the side of the ERC with the bottom tabs not fully inserted into the baseplate can damage other tabs on the cover.

- b. With the bottom tabs fully inserted into the baseplate, press the cover into the side of the ERC until it snaps into place.

**NOTE:** If either of the accent covers must be removed:

1. Use a small flat-blade screwdriver or equivalent tool to pry around the perimeter of the cover, separating the cover from the ERC plastic housing. Use care to not mar the ERC.
2. Discard the used accent cover and replace it with a new one.

## ERC Configuration

The ERC included in this kit is programmed for single-helm configuration. It may be necessary to configure the system further with the CDS G3 tool. Connect CDS G3 and scan the boat to detect if any further configuration is required.

## Active Trim Setup and Configuration

**IMPORTANT:** The Active Trim feature requires a GPS source to function.

### Configuration Notes

**IMPORTANT:** Always configure Active Trim with a major profile that will allow the operator to select an adjustable profile with additional trim in. That is, avoid selecting a major profile that results in normal operation in adjustable trim profile 1. This will ensure that the operator can always bring the bow down to correct porpoising without having to manually trim the engine or drive.

Active Trim has two categories of profiles: major and minor. In simple terms, major profiles are the course trim setting, while minor profiles are the fine-tuning within that major profile. Major profiles are selected by the technician during configuration, whereas minor profiles are chosen by the user during operation. Selecting the correct major profile during configuration is critical to providing the proper range of minor profiles by which the user can perform the fine-tuning.

### Configuration Procedure

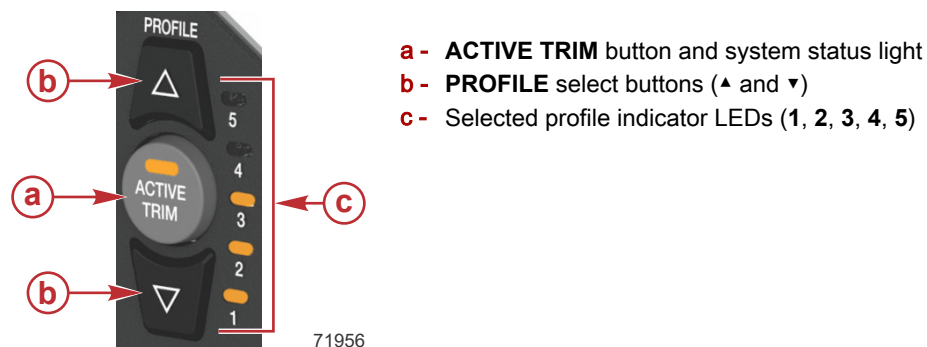
1. Turn the ignition key switch to the **ON** position.
2. Use the remote control handle trim switch to establish the full trim and tilt range:
  - a. Trim the engine or sterndrive to the full down position and hold the switch for five seconds after the engine or sterndrive reaches the full down position.
  - b. Trim the engine or sterndrive to the full up (trailer) position and continue to hold the trim up switch for five seconds after the engine or sterndrive reaches the full up (trailer) position.
3. Return the engine or sterndrive to the down position before starting the engine.

### NOTICE

**Avoid damaging the engine and drive from overheating. Never start or run the power package without water circulating through the cooling system.**

4. Observe the **PROFILE** LEDs on the ERC. Flashing amber LEDs indicate that the Active Trim system is **ON**, in the setup mode, and ready for activation. If the LEDs are not on, press the **ACTIVE TRIM** button to turn the feature on.

**NOTE:** If necessary, the system can be returned to the setup mode by simultaneously pressing and holding the **ACTIVE TRIM + ▲ (UP arrow)** buttons for five seconds, until the **PROFILE LEDs** begin flashing.



5. Operate the boat in open, navigable water.
6. Accelerate until the boat is on plane and cruising at the approximate desired speed. A comfortable cruising speed for most applications is typically achieved between half and three-quarter throttle.

**IMPORTANT:** RPM will increase as the sterndrive or engine is trimmed out.

7. Momentarily press **▲ (Up Arrow)** or **▼ (Down Arrow)** to adjust the trim profile to the most efficient running attitude.
  - The number of flashing LEDs will increase or decrease, accordingly.

**NOTE:** In setup mode, the number of flashing LEDs indicates the major trim profile currently selected.

  - Higher number profiles trim the engine or drive out more, lower number profiles trim the engine or drive in more.
  - As a general rule, increase the profile level until the boat begins to porpoise. Then decrease one level.
  - Vary the boat speed, and monitor the running attitude to verify the proper profile has been selected.
8. Simultaneously press and release **▲ (Up Arrow) + ▼ (Down Arrow)** for two seconds to capture the most efficient running attitude and retain the optimum trim profile in memory. The amber LEDs will stop flashing, and the display will move to the center profile position (**3**).

**NOTE:** Profile 3 is the center (or unscaled) Active Trim setting. Pressing **▲ (Up Arrow)** or **▼ (Down Arrow)** allows the operator to fine-tune the system setting via the minor profiles. The minor profiles apply scaling to the stored major profile to make the system more aggressive (trimmed out more) or less aggressive (trimmed in more).

Active Trim is now ready to use.