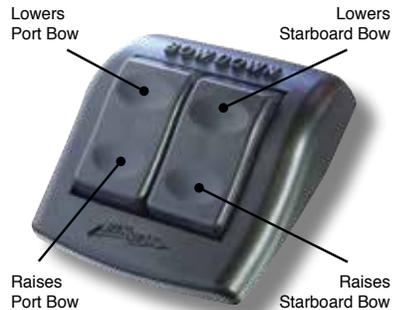


# BOLT Electric Rocker Switch/Controls

## BRC - BOLT Rocker Switch Control

The basic operation of the rocker switch control is based on the direction you want the bow to move. To lower the starboard bow, press the right (starboard) top portion of the rocker switch. This lowers the port tab. To lower the port bow, press the left (port) top portion of the rocker switch. This lowers the starboard tab.



**Rocker Switch Control**

## BCN - BOLT Control - With No Indication

The BOLT Control with Built-in Diagnostics and Auto Tab Retraction (ATR) is an upgrade to the basic Rocker Switch Control. It combines functionality with the auto tab retraction feature, just turn off your ignition switch and your tabs automatically retract.



**BOLT Rocker Control with Built-in Diagnostics and Auto Tab Retraction (ATR)**

## BCI - BOLT Control - With Indication

The BOLT Control with Built-In Diagnostics, Indication and Auto Tab Retraction combines three features into one. It's water resistant, highly accurate and features variable intensity LEDs for day or night.



**BOLT Rocker Control with Built-in Diagnostics, Indication and ATR**

# Installation Instructions - BRC

## BRC BOLT Rocker Control



1. Before you drill any holes, read the entire instructions.
2. Using the included template (Back cover), mark the locations for the 3/16" holes and the 2.5" center hole.
3. Check carefully to make sure there are no obstructions behind the console before drilling any holes.
4. Using a 2.5" hole-saw, cut the center hole. Use a 7/64" drill for the four mounting stud holes.
5. Unsnap the bezel from the control plate.
6. Remove four (4) #8 screws from the hardware bag and insert into the holes on each corner of the control plate.
7. Place the control plate onto the console, feeding the pre-connected wires through the 2.5" center hole while inserting the screws into each of the four holes.
8. Once the control plate is properly seated, screw down the four (4) #8 screws (do not over-tighten) and snap the bezel back onto the plate assembly.
9. Take the left (port) yellow/blue twisted cable with waterproof connector and connect into the left (port) **actuator** yellow/blue 20 ft. twisted wiring harness with waterproof connector. (If not long enough an extension can be ordered).
10. Take the right (starboard) yellow/blue twisted cable with waterproof connector and connect into the right (starboard) **actuator** yellow/blue 20 ft. twisted wiring harness with waterproof connector. (If not long enough an extension can be ordered).
11. Plug the left (port) yellow/blue 20ft. twisted cable to the left (port) connector on the BRC Rocker Control.
12. Plug the right (starboard) yellow/blue 20ft. twisted cable to the right (starboard) connector on the BRC Rocker Control.
13. Connect the orange and black wires with waterproof connector to a 12v power and ground source.

# Installation Instructions - BCN

## BCN BOLT Control with No Indication



1. Before you drill any holes, read the entire instructions.
2. Using the included template (Back cover), mark the locations for the 3/16" holes and the 2" center hole.
3. Check carefully to make sure there are no obstructions behind the console before drilling any holes.
4. Using a 2" hole-saw, cut the center hole. Use a 3/16" drill for the four mounting stud holes.
5. Use a small bead of sealant around perimeter of the display to seal. Place the helm display keypad onto the console, feeding the pre-connected wires through the 2" center hole while inserting the screws into each of the four holes.
6. Once the control plate is properly seated, use the 4 white nylon thumb nuts provided to secure the display.
7. Mount the BCN Control Box under the helm using the mounting hardware (2 screws provided) to secure it in place.
8. Plug the 3 ft. wire harness on the display to the 3 ft. wire harness on to the BCN - Control Box (If not long enough an extension can be ordered.)
9. Plug the (2) 20 ft. wire harnesses into the port and starboard actuators at one end. Then plug the other end of the (2) 20 ft. wire harnesses to the port and starboard plugs on the BCN Control Box. (If not long enough an extension can be ordered).
10. Connect the orange wire with waterproof connector to power source at the helm.
11. Connect the purple wire to the ignition switch (or any 12V circuit that turns ON and OFF with ignition) for auto tab retraction. This wire is used to initiate Auto Tab Retraction (ATR) when the ignition is switched to the OFF position. If ATR is not desired, this connection may be omitted.
12. Attach power cable and ground cable on the BCN Control Box. Attach the black wire to 12V negative ground and the orange wire with an in-line 20 amp fuse to 12V positive source. Can be connected to a breaker or bus bar. Power source must be capable of supporting 20 amps and properly fused.

# Installation Instructions - BCI

## BCI BOLT Control with Indication



1. Before you drill any holes, read the entire instructions.
2. Using the included template (Back cover), mark the locations for the 3/16" holes and the 2" center hole.
3. Check carefully to make sure there are no obstructions behind the console before drilling any holes.
4. Using a 2" hole-saw, cut the center hole. Use a 3/16" drill for the four mounting stud holes.
5. Use a small bead of sealant around perimeter of the display to seal. Place the helm display keypad onto the console, feeding the pre-connected wires through the 2" center hole while inserting the screws into each of the four holes.
6. Once the control plate is properly seated, use the 4 white nylon thumb nuts provided to secure the display.
7. Mount the BCI Control Box under the helm using the mounting hardware (2 screws provided) to secure it in place.
8. Plug the 3 ft. wire harness on the display to the 3 ft. wire harness on to the BCI - Control Box (If not long enough an extension can be ordered.)
9. Plug the (2) 20 ft. wire harnesses into the port and starboard actuators at one end. Then plug the other end of the (2) 20 ft. wire harnesses to the port and starboard plugs on the BCI Control Box. (If not long enough an extension can be ordered).
10. Connect the orange wire with waterproof connector to power source at the helm.
11. Connect the purple wire to the ignition switch (or any 12V circuit that turns ON and OFF with ignition) for auto tab retraction. This wire is used to initiate Auto Tab Retraction (ATR) when the ignition is switched to the OFF position. If ATR is not desired, this connection may be omitted.
12. Attach power cable and ground cable on the BCI Control Box. Attach the black wire to 12V negative ground and the orange wire with an in-line 20 amp fuse to 12V positive source. Can be connected to a breaker or bus bar. Power source must be capable of supporting 20 amps and properly fused.

# Troubleshooting - BOLT Electric

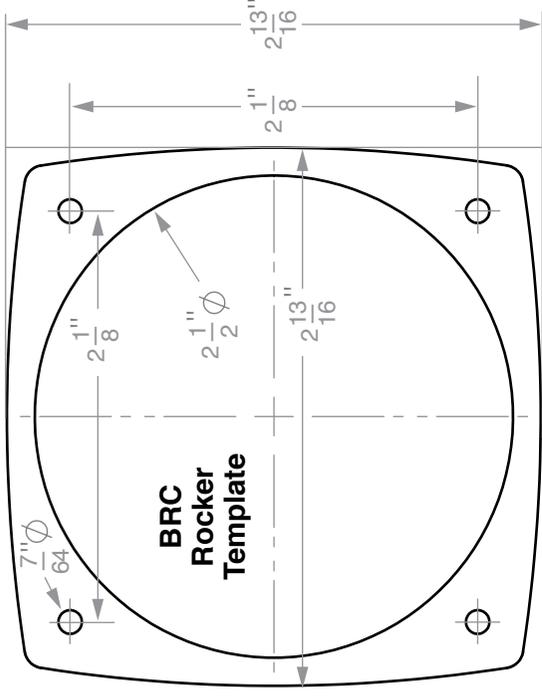
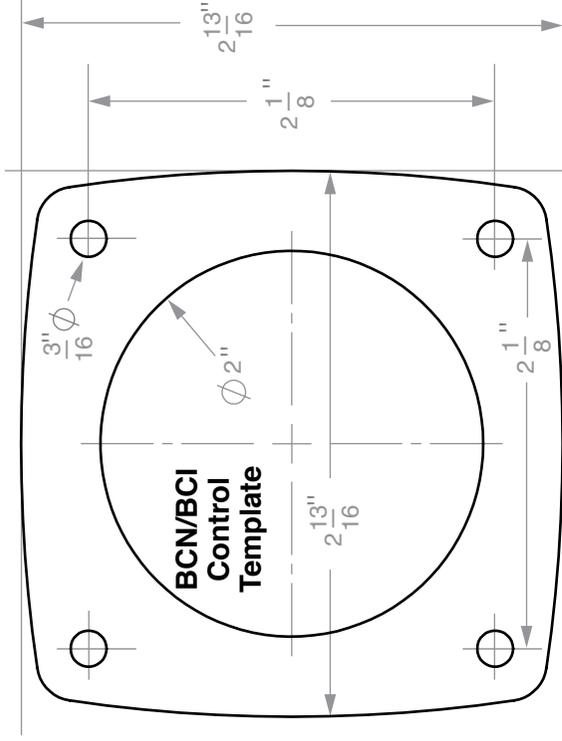
The BOLT Electric Trim Tab system is built with the same rigid quality standards as all of the other Bennett product lines. Bennett stands behind its products, providing exceptional customer service and support.

Please feel free to call Bennett at (954) 427-1400 for assistance in troubleshooting your particular issue. Bennett Marine Customer Service is available Monday through Friday, 8:00 a.m. to 5:00 p.m. Eastern Standard Time (EST).

Below are some useful tips, for troubleshooting the BOLT Electric BCN, BCI and BRC (Steps 1-3 only) systems:

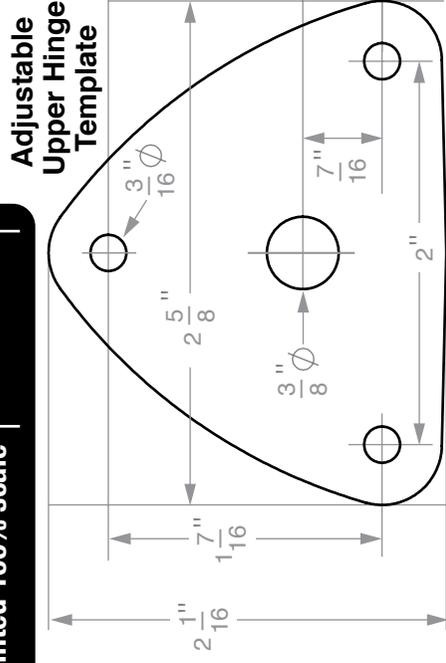
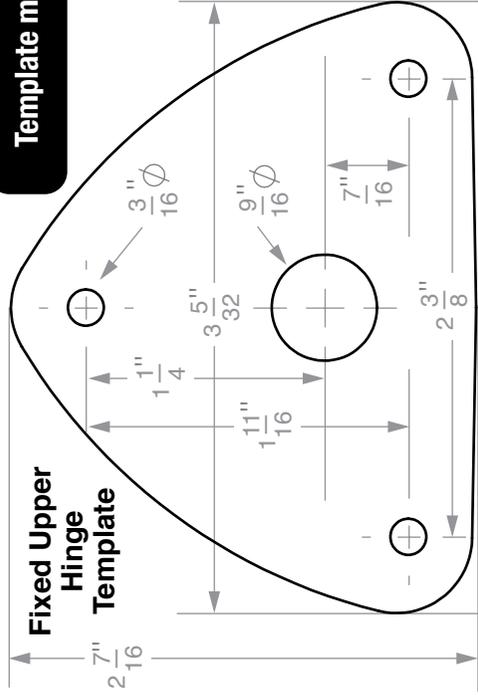
1. If trim tabs do nothing (no movement):
  - Inspect for blown fuse at the fuse panel. 20 amp fuse should be used.
  - Make sure that the control assembly has a solid ground.
  - Inspect for disconnected or corroded connections on the wires and wire connectors if helm key pad has no lights.
2. If one trim tab operates and the other one does not:
  - Inspect for disconnected or corroded yellow or blue wire connections for the side that is not working.
3. If trim tabs go down but will not retract:
  - Inspect for low voltage of the battery
  - Inspect for disconnected or corroded connections.
4. If the green light on the control diagnostics box is NOT lit:
  - Inspect connection between helm keypad and control box.
5. If the red light on the control diagnostics box is NOT lit:
  - Inspect connection between power source and control box.
6. If the blue light (port or starboard) on the control diagnostics box is NOT lit:
  - Inspect connection between the actuator and the control box for the side that is not working.
7. If the yellow light (port or starboard) on the control diagnostics box is NOT lit:
  - Inspect connection between the actuator and the control box for the side that is not working.

If the actuators still do not operate after following any of the steps above - STOP and call Bennett for further assistance at (954) 427-1400, Monday through Friday, 8:00 a.m. to 5:00 p.m. Eastern Standard Time (EST). Or email us anytime at [Info@BennettTrimTabs.com](mailto:Info@BennettTrimTabs.com).



Template must be printed 100% scale

1"





**Bennett Marine, Inc.**

550 Jim Moran Boulevard, Deerfield Beach, FL 33442, USA



**954-427-1400**

M-F 8am to 5pm (EST)



[BennettTrimTabs.com](http://BennettTrimTabs.com)

**FAX**

954-480-2897



[Info@BennettTrimTabs.com](mailto:Info@BennettTrimTabs.com)