

Installation Manual



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Safety

- Failure to follow all instructions listed in this manual may result in equipment failure or serious injury.
- If using trollbuddy for the first time, follow the Operation section of this manual to familiarize yourself with the feel and response of the system.
- Never deploy plate or leave in down position above idle speeds or in reverse.
- Stay alert, watch what you are doing, and use common sense when operating the Trollbuddy system.
- Do not use the Trollbuddy system when under the influence of drugs, alcohol or medication.

Introduction

The Trollbuddy system adjusts trolling speeds on both inboard and outboard motors to maintain optimal trolling speed. The Trollbuddy components include a linear actuator, microprocessor control option, and aluminum plate assembly. Visit Trollbuddy.com for more detailed product and application information.

Trolling speed can be easily adjusted with the control switch, allowing the engine to maintain the correct idle rpm while slowing the boat until the proper trolling speed is achieved.

Using the Trollbuddy system eliminates the added weight, expense and maintenance costs of a "kicker" motor or trolling motor and batteries.



5050200_TEMPLATE 10-24-18 Rev.O.I.

Print and measure outside dimensions - must be 6.75" x 8.5" (full scale) - cut out, align on cavitation plate and mark for mounting holes.

To get started

- Locate base plate template provided in kit (template also at trollbuddy.com)
- Align on top side of cavitation plate and center
- Check for hole placement (4 min.) and mark for drilling
- Clearance holes for 5/16" bolts needed



Base will be mounted to the antiventilation/cavitation plate as shown with (4) bolts, washers and locking nuts. Drilling (4) thru holes for 5/16"bolts will be required. Check with the manufacturer if any motor



Base can be used as template and should be evenly spaced on sides, same as if template was used Example of preferred mounting location



MARKING ANTI-VENTILATION/CAVITATION PLATE:

Assemble the base plate 5050200 to the cavitation plate of the outboard. Use the template to make proper alignment and to mark holes. All outboards are different—some alterations to the base may be needed for best fit. The template can be marked and transferred to the base.

- 1. Use full scale template provided with TrollBuddy kit or download from website.
- 2. Center template to have at least (4) screws, flatly located through plate; avoid any radiuses or areas close to an edge or zinc.
- 3. Alternate holes may be drilled into the base as needed for best fit to your outboard.
- 4. Hold in place, mark the preferred mounting holes (4) and drill for 5/16" bolts.
- 5. Confirm fit and alignment by installing bolts through base into the plate.
- 6. Remove to install actuator arm before mounting.



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	5050100	Arm, Actuator Upper Support
2	2	F825	Washer, 3/8" ID x 1.5" OD
3	1	F520	Shaft, Pivot/Upper
4	1	F705	Nut, Hex, 3/8-24
5	1	F715	Nut Hex, Nylock Thin, 3/8-24

ARM ASSEMBLY:

Assemble the "shaft, pivot/upper" #F520 to the actuator arm for all models. TrollBuddy can be mounted on either Port or Starboard sides of the motor. Actuator mounting and plate assembly must match (shown on starboard side).

- 1. Thread Nut F705 over shaft threads to the end.
- 2. Center washer F825 (1) over hole in arm and insert threaded end thru both.
- 3. Place washer F825 (1) over exposed threads of shaft, secure with lock nut F715.



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	5050200	Base, Mounting All
2	1	arm assy	Arm Assembly Stbd side
3	2	F550	Bolt, Hex 5/16-18 x 1"
4	4	F826	Washer, 5/16" ID x 1" OD
5	2	F710	Nut Hex, Nylon, 5/16-18

ARM AND BASE ASSEMBLY:

Pre-assemble the actuator arm to the base before mounting to the lower unit (shown on starboard side mounting).

- 1. Insert bolt F550 through washer F826 and into the lower hole of the actuator arm.
- 2. Assemble to base and secure with a second washer and locking nut F710.
- 3. Repeat for second hole and tighten assembly.
- 4. Bolts can be inserted through the base first, with the locking nut on the outside if needed.



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	5050000	Plate, TrollBuddy, Sr
2	2	5050301	Bracket, TrollBuddy All P&S
3	1	F500	Shaft, Pivot/Lower
5	2	F823	Washer, 5/16" ID x 3/4" OD
6	2	F710	Nut Hex, Nylon, 5/16-18
7	2	F544	Bolt Hex, 5/16-18 x .75"

PLATE ASSEMBLY

Assemble the "shaft, pivot/lower" #F500 to the Senior or Junior plate, using the same steps. Before starting, confirm the shaft matches that of the arm assembly (shown on starboard side).

- 1. Use (2) 5/16" X ³/₄" bolts with ³/₄"OD washers and 5/16-18 locking nuts.
- 2. Position brackets 5050301 (2) over holes in plate. Insert bolts (orient as shown).
- 3. Place washer F823 over bolt and hand tighten with nut F710.
- 4. Insert shaft with reduced end on the side, where the actuator will mount.
- 5. Tighten bolts to hold shaft in place.
- Adjustment is necessary—once installation is complete, adjustment of the shaft for alignment with actuator will be needed. Slide shaft through brackets to align; tighten brackets.



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	Sample	Typical Outboard
2	1	base and arm assembly	Actuator Arm Assembly
3	8	F826	Washer, 5/16" ID x 1" OD
5	4	F551	Screw, Pan Head, 5/16-18 x 1.25"
6	4	F710	Nut Hex, Nylon, 5/16-18

BASE ASSEMBLY TO THE ANTI-VENTILATION/CAVITATION PLATE:

Assemble the base with Actuator Arm to the cavitation plate.

- 1. Trim provided rubber strips and punch holes to match the drill pattern on the anti-ventilation/cavitation plate.
- 2. Locate screws F551 and insert through the washers F826 and insert into base hole pattern with the rubber strips between base and the cavitation plate.
- 3. Place a second washer F826 over exposed threads (underside) and secure.
- 4. Carefully tighten base plate, making sure it sets flat and even on the cavitation plate.



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	Sample	Typical Outboard
2	1	5050200	Base, Mounting All
3	1	5050100	Arm, Actuator Upper Support
4	2	F825	Washer, 3/8" ID x 1.5" OD
5	1	F520	Shaft, Pivot/Upper
6	1	F705	Nut, Hex, 3/8-24
7	1	F715	Nut Hex, Nylock Thin, 3/8-24
8	2	F550	Bolt, Hex 5/16-18 x 1"
9	14	F826	Washer, 5/16" ID x 1" OD
10	8	F710	Nut Hex, Nylon, 5/16-18
11	4	F551	Screw, Pan Head, 5/16-18 x 1.25"
12	1	5050000	Plate, TrollBuddy, Sr
13	2	5050301	Bracket, TrollBuddy All P&S
14	1	F500	Shaft, Pivot/Lower
15	2	F823	Washer, 5/16" ID x 3/4" OD
16	2	F544	Bolt Hex, 5/16-18 x .75"
17	1	F510	Shaft, Pivot/Hinge
18	1	C-79	HD Actuator, 12 VDC, 4 Sec. w/plug
19	2	F566	Clip, safety, closed end
20	2	F565	Clip, Bow Tie



FINAL ASSEMBLY

Assemble the plate and the Actuator to outboard, route cable and Control.

- 1. Align thru holes of plate assembly to the base (flanges on the outside), insert shaft, pivot/hinge F510 through both pieces.
- 2. Place (2) washers F826 over the exposed ends of the shaft, one each end.
- 3. Secure with Lanyard & (2) snap clips, one each end.
- 4. Install actuator over shaft, pivot/upper & lower F520 & F500.
- 5. Swing the plate with lower shaft so to align with the lower mounting hole on the actuator. Work the actuator until it seats against the shoulders of the shafts.
- 6. Some adjustment of the lower shaft may be needed for alignment with the upper shaft, so the actuator is not in a bind. Loosen bolts of holding bracket's 5050301 to move shaft, retighten bolts.
- 7. Secure the actuator to the shafts with Lanyard & (2) snap clips. Insert snap clips at top of hole and push downward.
- 8. To remove the plate and actuator for storage, disconnect power at the plug and reverse the steps above.

WIRING AND CONTROL INSTALLATION

Routing Actuator cable with plug to connect with control cable and SETR-61-TROLL

- 1. The actuator comes complete with 40" cable and weather tight plug. Once the actuator is installed to the TrollBuddy assembly, plan your cable route as follows:
- 2. The weather tight pug will need to be accessible for future disconnect--either exposed, just in side of the transom, or covered by an overhang—but it should be kept high and dry.
- 3. Use the (3) reusable cable clamps (B147) to secure the cable, preventing pinch points or snagging of the cable while underway. Turn the motor fully in both directions and tilt fully up and down to make sure there is enough slack in the cable as it transitions from the motor to the transom.
- 4. Use the (1) tie mount (B148) to secure the fixed plug, found on the end of the primary cable (W2-10 or W2-20) routing to the control.
- 5. Route this cable forward to the helm where the control will mount. Make sure there is enough cable to make the final connections.
- 6. Connect the plug to confirm proper fit, then begin to wire tie the fixed plug and cable running to the control.
- 7. Coil up any remaining cable at the control; or you can cut to fit, but new terminals will be needed to make final connections to the control.
- 8. Refer to the wiring diagram (085000) for final connections, power input to the control and fusing. **Power source voltage must match the actuator voltage.**
- 9. The plug attached to the Actuator should remain loose for future removal of the actuator when not in use. However, additional mounting and clamps can be added as needed.
- The cutout dimension to mount the SETR-61-TROLL control switch is 2" (51mm) diameter. The switch panel is mounted with bracket and nuts provided. Lightly tighten nuts to mounting studs (DO NOT OVERTIGHTEN).
- 11. The cutout dimension to mount the Rocker Switch is 7/8" (22.2mm) X 1 3/4" (44.5mm).
- 12. For the electronic control w/LED's an auto retract switch (SP-NC) will need to be installed. Refer to the installation instructions provided with the switch.
- 13. If a rocker switch is being installed (no auto retract function) you must remember to retract the plate manually when going in reverse or increasing throttle. Any damage that occurs to the TrollBuddy as a result of excessive force –due to non-retracting of the plate above idle speeds—will not be covered under warranty.

Operation

- 1. The SETR-61-TROLL Control Switch has LED indicators to show plate angle.
- 2. Only deploy the plate at idle speeds. Never deploy the plate above idle speeds or in reverse. Part failures caused by excessive force from the plate deployed or partially deployed above idle speeds will not be covered under warranty.

- 3. While at idle speed, push the button with the down arrow (or top of rocker switch for SF-SC) to deploy the plate and slow the boat speed. Release the button once the proper trolling speed is obtained.
- 4. Push the button with the up arrow (or bottom of rocker switch SF-SC) to retract the plate or increase boat speed while at idle speed.
- 5. Always fully retract the Trollbuddy plate during operating speeds above idle speed or in reverse.
- 6. Before increasing speeds above idle or reversing, press the SP-NC button to fully retract the Trollbuddy plate for SETR-61-TROLL systems.

Warranty

- The Trollbuddy system comes with a one-year warranty covering material and workmanship defects on complete Trollbuddy systems. If non-Trollbuddy parts are used, the Trollbuddy parts are covered by a 90-day warranty.
- The warranty period begins at the date parts were manufactured. A serial number is vertically stamped and located on the right-side cover of the actuator or on the back of the control switch. Contact Trollbuddy with this serial number to determine warranty.
- Part failures due to material and workmanship defects within the warranty period may be replaced with an exact or like model by obtaining a "Return Authorization" number from Trollbuddy and sending the failed part back for warranty evaluation. If the returned part is deemed to be covered under warranty, a replacement part will be shipped to you via ground freight, Destination Richmond, Virginia for domestic customers. An advanced replacement part may also be sent out prior to returning the failed part with a form of security provided by the customer or dealer. For international customers, please contact a Trollbuddy or Lectrotab distributor for warranty replacement information.
- Part failures due to normal wear and tear, misuse, abuse, neglect, negligence, incidental or consequential damages, leaving plate down above idle speeds or in reverse or a failure to follow Trollbuddy's written installation instructions are NOT covered under warranty.
- This warranty policy does NOT cover labor cost, hauling fees or any other associated fees pertaining to replacing the parts or parts installed on a non-Trollbuddy system.

