



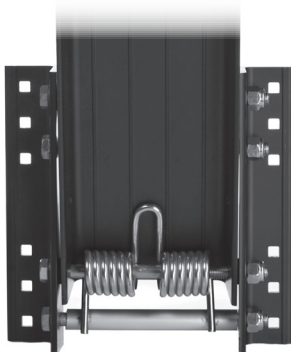
MODEL 550416
ADJUSTABLE ALUMINUM BRACKET
DESIGNED FOR AUXILIARY MOTORS UP TO 35 HP



INSTALLATION
AND OPERATING INSTRUCTIONS

For technical help or warranty assistance, please call
+1 757-916-9676 before removing installed product from boat.

**CUSTOMER MUST RECEIVE THIS MANUAL AT TIME OF SALE
OR AFTER INSTALLATION**



**This is the side
that faces the transom.**

Vertical travel:

16 inches [40.64 cm]

Setback up:

8-3/4 inches [22.22 cm]

Setback down:

18 inches [45.72 cm]

**Motor Mount Plate
dimensions:**

11.5 wide x 12.5 high [inches]

29.21 wide x 31.75 high [cm]

Product weight:

34 lbs [15.4 kg]

4-Stroke Auxiliary Outboard Motor Bracket Mounting and Operating Instructions

For the following products only: 550407AL, 550408SS, 550410, 550416

AUXILIARY OUTBOARD MOTOR BRACKET CAUTION GUIDELINES

1. Always remove your motor from bracket when trailering. Failure to do so may result in damage to boat, motor, or bracket.
2. Do not exceed the stated H.P. rating or weight.
3. Verify that the motor clamps are tight before every use.
4. You must always use a safety cable when operating your motor.
5. Operate motor at low speed. Avoid turning motor at full throttle. Refrain from sharp turns.
6. Operate your motor in lowest position possible for best performance.
7. Raise and tilt motor ONLY when motor is NOT in use or running.
8. Do not alter the motor mounting plate or bracket in any way.
9. Occasional greasing of the pivoting bolts will provide a smoother operation of the bracket.

Different Panther brackets have varying amounts of "travel", be sure you have selected the proper bracket for your application.

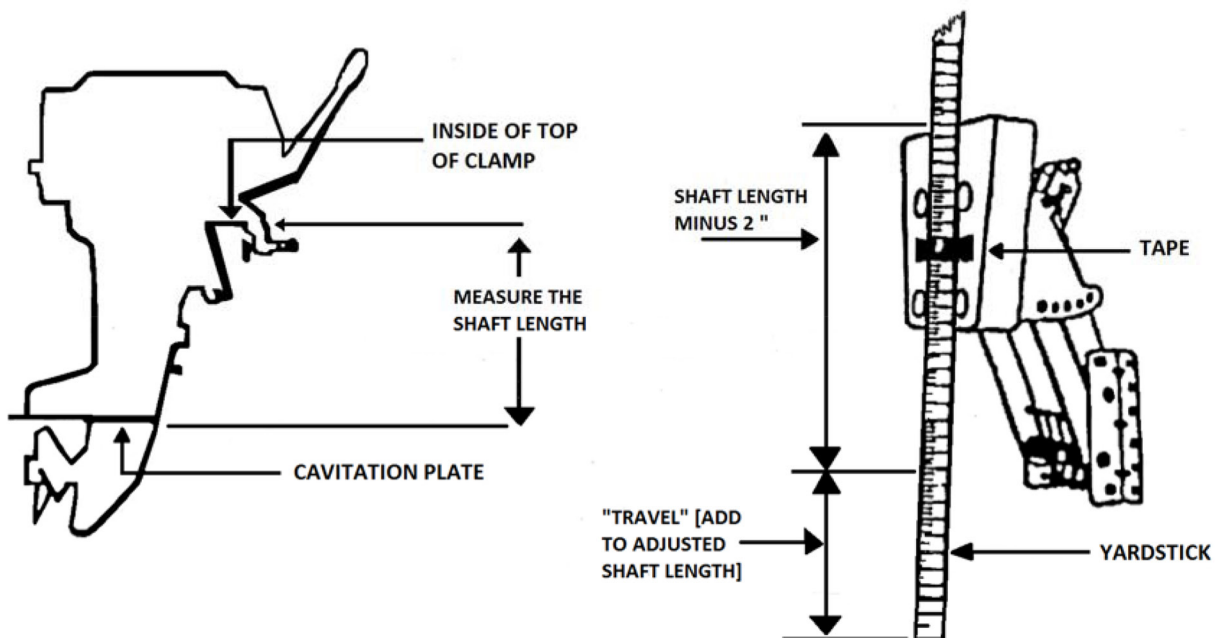
Panther Bracket Model	Vertical Travel
550407AL	10"
550410	10"
550408SS	11"
550416	16"

INSTALLATION

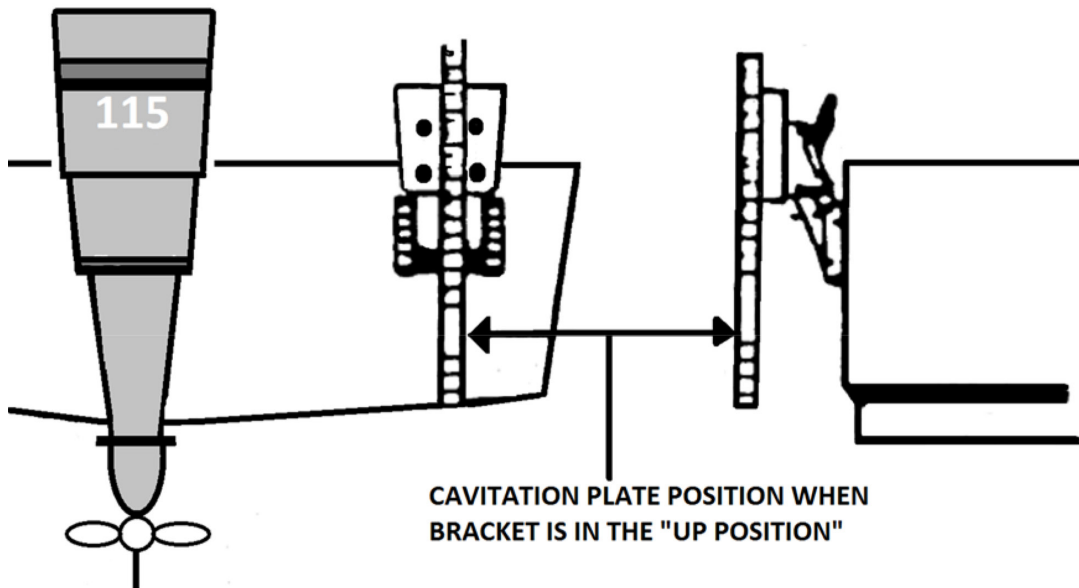
Measure the distance from inside the top of the motor clamp to the cavitation plate. This is the "shaft length". Subtract 2" from this measurement, this gives you the "adjusted shaft length". Now add the amount of travel your bracket has. In the case of Model 550416 the travel is 16". Most kicker motors have a 20" shaft. In this case, the math would be $20 - 2 = 18$. You then add 16 to represent the bracket's travel, so your total is 34. Take a yard stick (you could use any stick with 34" measured on to it) and tape it to the motor bracket so that the 34" mark is at the top of the motor mount plate. If your kicker motor has a different shaft length, adjust the numbers accordingly.

When your kicker motor is deployed, the cavitation plate must be at or slightly below the bottom of the boat relative to the center point of the bracket. Now position the bracket on the transom so the bottom of the yardstick is where the cavitation plate needs to be. Have a helper mark four holes for the attachment of the bracket to the boat. The primary holes to be used are the extreme top and bottom holes on each side of the mounting bracket. In the event of obstructions on the inside of the transom, alternative holes are provided. Always use the holes closest to the top and bottom of the bracket as possible.

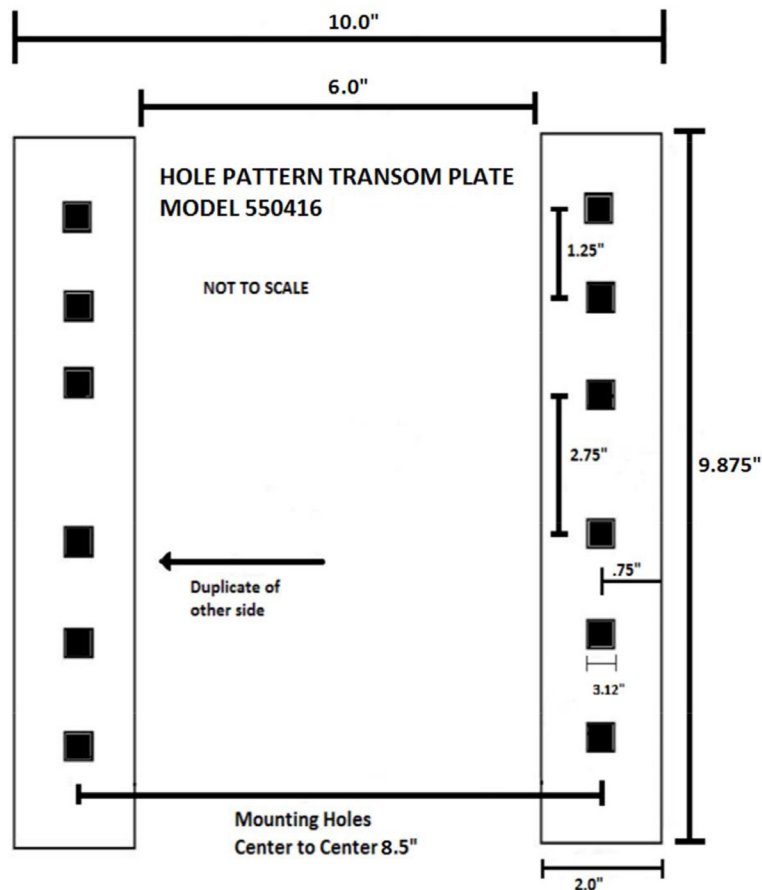
DRAWINGS NOT TO SCALE



Once you have your measuring stick in place, position the outboard motor bracket on the transom of the boat on either the starboard or port side. Care should be exercised to make sure that the bracket will not interfere with the movement of the existing engine or a rudder.



Check again to make sure that there are no obstructions on the inside of the transom and then drill four 3/8" holes at the marked locations. Apply a bead of RTV silicone sealant around each hole to ensure a waterproof seal. Attach the outboard bracket to the transom with 5/16" stainless steel fasteners [not included].



For transoms that are 2" or less in thickness a backing plate should be used. When tightening the locking nuts on the attachment bolts, there should be at least two threads of the bolts protruding through the nut to insure good locking characteristics.

Trim adjustment should now be made to insure that the engine's cavitation plate is parallel to the bottom of the boat.

While standing on either side of the boat, sight down the boat bottom and compare with the plane of the cavitation plate.

If adjustment is necessary, try moving the engine's built-in trim adjustment pin, it will probably have around five positions to try.

SERVICE AND WARRANTY

Should your unit ever require service, please ***do not return the product to your dealer!*** Instead, call the number below for special instructions on shipping and handling. Be sure to call between 8:00 AM and 4:00 PM (Central Time) Monday through Friday. If the service required is covered by the warranty, it will be repaired or replaced as described below. If the service required is not covered by warranty (such as damage caused from improper trailering or from water intrusion, replacement parts are available for purchase and may be paid for by Visa, MasterCard or Discover.

The warranty coverage on this equipment is limited to the terms set forth below:

CMP Group LTD. warrants this product to be free of defects in material and workmanship for a period of ONE (1) YEAR from the date of original retail purchase. **Positive proof of date of purchase is required for warranty service.** If the service required is covered by warranty, the unit will be repaired or replaced with new or factory rebuilt parts at no charge. The defective components must be returned to the address specified, with shipping charges prepaid. Be sure to include your name, address, telephone number and a copy of the sales receipt showing the date of original retail purchase. All sales receipts are subject to verification.

This warranty does not apply if the unit has been damaged by accident, abuse, misuse, poor installation or misapplication, or if it has been modified from its original condition, or if any serial number has been removed or defaced or altered. **This warranty does not cover any expense to remove or reinstall the unit or any of its components.** If a returned unit is not covered by warranty, the sender will be notified and given an estimate of the charges to repair or replace the unit, together with the return shipping charges.

THIS WARRANTY DOES NOT COVER SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY, OR UNDER ANY OTHER LEGAL THEORY, INCLUDING BUT NOT LIMITED TO DAMAGE TO OR REPLACEMENT OF OTHER EQUIPMENT AND PROPERTY. THE WARRANTY AND REMEDIES SET FORTH ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS, WHETHER ORAL OR WRITTEN, EXPRESS OR IMPLIED. DUE TO THE SPECIAL AND UNIQUE CONDITIONS THAT MAY EXIST IN EACH APPLICATION, THE MANUFACTURER SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. NO DEALER, AGENT OR EMPLOYEE IS AUTHORIZED TO MAKE ANY MODIFICATION, EXTENSION OR ADDITION TO THIS WARRANTY.

Some states do not allow exclusion of incidental or consequential damages, so the above exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other legal rights, which may vary from state to state.

FOR SERVICE, send an email to info@cmpgroup.net or call +1 757.916.9676

**CMP Group LTD.
7733 Progress Way, Delta, BC Canada V4G 1A3
<https://panthermarineproducts.com/>**

Expand your Panther experience with these CMP Group brands:



Our product lineup includes solutions for motor mounting, remote steering, tilt and trim, shallow water anchors, security systems, rod holders, trolling motor supports, and GPS/sonar mounts.



Auxiliary outboard motor steer systems.



Throttle control for gas powered auxiliary motors.

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