

MarineTech

A family of quality marine products

Product Catalog



WIRELESS
Controller
Available For **T4**



www.MarineTechProducts.com



55-0025

INTEGRAL TRIM AND TILT

55-0025

The Panther Integral Trim and Tilt is designed for use with Johnson and Evinrude, 20HP to 35HP two-stroke outboard motors, made since 1976. Made to provide trim and tilt features on motors that don't have factory trim and tilt. In a matter of minutes the Panther Integral Trim and Tilt fastens directly to your existing motor bracket without modification. The Panther Integral Trim and Tilt offers a patent pending break-away safety feature that releases the motor in the event of striking a log or any underwater stationary object.



55-0035 (7" Setback)



55-0035 (13" Setback)

MODEL 35

55-0035

The heavy-duty bracket easily handles auxiliary outboards up to 35hp or 150 pounds. Kicker motors are supported in any position with this durable design. In addition to its ruggedness, the model 35 is the only kicker motor lift with a convertible setback. This unit can be adjusted from 7 to 13 inches of setback, making it ideal for inboards, I/Os, jet-drives, and outboards when over the transom mounting is unavailable. 3" Setback bracket (55-9035) also available for those boats that need 16" of clearance.

MANUAL VERSION OF MODEL 35

55-0435

This "fixed" motor bracket is designed for those who prefer to use their own strength to lift up their motors. It comes with the adjustable 13" setback feature and is made of 713-alloy aluminum. Down the road if lifting your motor becomes a strain this bracket can be converted to a power lift by adding our 12 volt actuator.

MODEL 35 LE

(for use with Ranger boats)

55-0350

The auxiliary motor lift 35LE is the same rugged design as the powerful Model 35 with the exception of the convertible setback. The specially designed transom plate is made to fit the contoured transom of Ranger boats.



MODEL 40 TRIM AND TILT

55-0040

This trim and tilt is designed specifically for the weekend fisherman. The Model 40 is a heavy duty fabricated aluminum bracket. It will hold 2 and 4 strokes motors up to 150lbs. It's powerful electro-mechanical actuator provides automatic trim and tilt with the push of a button. Bracket comes with electrical relay and 2 button switch (12' cord).



MODEL 45 AUXILIARY MOTOR LIFT

55-0045

- Up to 40hp four stroke motors
- Up to 15.5" vertical lift
- Fabricated aluminum plate
- Powder coat paint
- Stainless steel hardware
- Electro/Hydraulic
- Includes all wiring (25 feet), relays and switches
- Works with optional wireless control 55-0105



MODEL 55 TRIM AND TILT

55-0055

The compact trim and tilt model 55 conveniently matches outboards from 15 to 55hp, weighing up to 250lbs. Perfectly designed for pontoons, fishing or pleasure boats. Adapts to clamp on or bolt-through outboards. Standard BIA bolt pattern made of heavy duty 713 cast aluminum.



MODEL 135 TRIM AND TILT

55-0135

The model 135 is the perfect option for older outboard motors with bad hydraulic trim and tilts, when repair costs are prohibitively expensive. The heavy duty bracket is designed for outboards up to 135hp or 350 pounds and it maximizes lifting power (even greater than the outboards tilt range), and it also allows for increased tuck-under to get heavy boats on plane quickly.



55-0010

OUTBOARD MOTOR BRACKET SS MAX 10HP 55-0010

This Adjustable Outboard Motor Bracket is designed for motors up to 10HP or 80lbs max weight and is constructed of stainless steel. Manual lifting required to raise and lower your auxiliary outboard motor. *(Not to be used with 4 stroke engines.)*

OUTBOARD MOTOR BRACKET SS MAX 20HP 55-0020A

This adjustable outboard motor bracket is designed for motors up to 20hp or 115lbs. It has the same stainless steel construction as the 10hp model. Can be adjusted for use on positive angle transoms. Unit is spring loaded. (11" of travel with 4 stops.) *(Not to be used with 4 stroke engines.)*



55-0020A



55-0021

OUTBOARD MOTOR BRACKET ALUMINUM MAX 20HP 55-0021

This adjustable outboard motor bracket is designed for motors up to 20hp or 115lbs. Its heavy duty, light weight aluminum is designed for fresh water use on both powerboats and sail boats. Unit is spring loaded. 11" of travel with 5 stops. *(Not to be used with 4 stroke engines.)*

OUTBOARD MOTOR BRACKET ALUMINUM MAX 12HP 55-0012

Same design as the 55-0021, this heavy duty, lightweight aluminum bracket is designed for motors up to 12HP or 82 pounds. (14" of travel with 5 stops.) *(Not to be used with 4 stroke engines.)*



55-0012



55-0023

TRANSOM ADAPTOR 55-0023

For use with the 55-0021 and 55-0022, this adapter plate allows you to easily install and remove your outboard motor bracket within seconds. Solid construction makes sure your motor is as secure to your boat as if it were bolted direct. *(Not to be used with 4 stroke engines.)*

STATIC MOTOR MOUNT PLATE 55-0405

If trolling motors are your thing – then our static plate is a must. It offers a sturdy and flat mounting area for your trolling motor clamps. When direct to transom motor mounting is difficult, Panther's Static Motor Mount Plate provides a flat secure mounting surface for clamp-on or bolt-on kicker motors up to 40hp or 150lbs.



55-0405

Set Back Brackets



2" SET-BACK PLATE 55-0220

This cast aluminum spacer provides two inches of set-back for bolt-on motors, allowing performance seekers to fine tune their boats. Dipped in a zinc rich primer then powder coated, this solid

spacer installs directly to the transom, or adds additional set-back to an existing JackPlate. A standard BIA hole pattern makes mounting a snap, but is drillable for non-standard patterns.



4" SET-BACK PLATE 55-0240

An innovative flared shape allows this four inch set-back bracket more transom contact area to reduce stress and improve the motor's stability. The two piece, T-6 heat treated anodized aluminum bracket

will work with even the most powerful main engines. This is an inexpensive solution for lagging performance, while maintaining maximum durability. The pre-drilled hole patterns allow for an extensive range of motor installations.



6" SET-BACK PLATE 55-0260

This one piece plate is made of 1/4" black powder coated aluminum channel. Designed to fit auxiliary kicker motors up to 30HP. It offers a flared angle style design allowing easy access to tighten mo-

tor clamps. Used especially on aluminum boats with step down transoms.

SET BACK BRACKET 55-0027

Fixed kicker motor bracket is designed for adjustable mount on the transom, designed for the heavier 4 stroke motors.



5 DEGREE REVERSIBLE PLATE 55-0420

The Reversible Wedge Plate provides five degrees of trim or tuck. It's one piece; cast aluminum design provides a stable platform for the largest of today's outboards. Standard BIA bolt pattern when used in either the tuck or trim position.



4 - STROKE BRACKET 55-0410

Adjust your trolling or auxiliary motor to five vertical running positions for changing water or load conditions. The anodized aluminum bracket is built to handle the increased weight and torque output of today's four strokes with long or short shafts. Hand-adjustable with just the turn of a knob, stainless steel torsion springs counterbalance motor weight making adjustments a breeze -- while the 2"-thick, extra-wide mounting board, along with aircraft-type stainless steel hardware deliver heavy-duty performance. Handles up to 35hp, 263# motor, with 10" of travel.



4 - STROKE BRACKET 55-0416

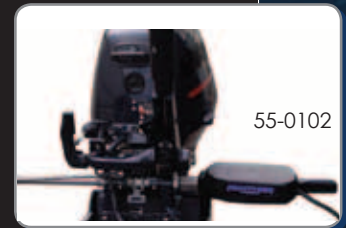
Adjust your trolling or auxiliary motor to four vertical running positions for changing water or load conditions. The anodized aluminum bracket is built to handle the increased weight and torque output of today's four strokes with long or short shafts. Hand-adjustable with just the turn of a knob, stainless steel torsion springs counterbalance motor weight making adjustments a breeze -- while the 2"-thick, extra-wide mounting board, along with aircraft-type stainless steel hardware deliver heavy-duty performance. Handles up to 35hp, 263# motor, with 16" of travel.



T-4 ELECTROSTEER

55-0102 / 55-0103

This Electrosteer provides a unique solution to steer a kicker motor. Can be installed on any kicker motor that has a threaded tilt tube without drilling any holes in your boat. Mounts Thru-The Tilt-Tube of the kicker motor. Installs in Minutes. 9" needed between main engine and kicker motor. Mounting hardware included. Controlled by a 24' cable and two button hand held remote. Mounting hardware included. (See optional wireless remote 55-0105.)



55-0102 Freshwater use. All component hardware is made of zinc.

55-0103 Saltwater use. All component hardware is made of stainless steel.



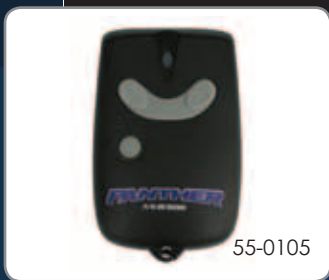
ELECTRO STEER

55-0100 / 55-0101

Trolling made easy....Steer your kicker from anywhere in the boat. The Panther 100 Electro Steer is easy to install anywhere in the transom area. Operated with a 24' cable and two button hand held remote. The Electro Steer will move from full right to left in only 4 seconds, with fast, precision kicker control, necessary for contour trolling. The connecting rod between the Steer and the kicker easily disconnects, allowing versatile applications.

55-0100 Freshwater. All component hardware is made of zinc.

55-0101 Saltwater. All component hardware is made of stainless steel.



WIRELESS REMOTE CONTROL

55-0105

50 ft. Range. The receiver is operated from a standard 12V battery. The transmitter operates from a A23 type battery. Adapted to fit all Panther steering and Trim and Tilt units. Universal use with any 2 prong molded wiring harness. FCC and IC approved. Lanyard included.



AUXILIARY MOTOR STEERING KIT

55-2400 / 55-2600

An auxiliary motor steering kit is the ideal way to connect your main engine to the kicker motor. For use with trolling motors up to 25 horsepower.

55-2400 Freshwater. Constructed of zinc plate steel.

55-2600 Saltwater. Constructed of stainless steel.



55-2700

MAIN ENGINE TROLLING MOTOR TIE BAR KIT

55-2700 / 55-2900

The Panther Trolling Motor Tie Bar Kit connects an auxiliary trolling motor to Sea-Star® hydraulic steering. The Trolling Motor Tie Bar is ½" thick and along with the drive bracket composed entirely of stainless steel. Extremely heavy duty. The rod is fully threaded so it can be cut for custom installations.

55-2700 -Main engine trolling motor tie bar for Sea Star steering

55-2900 -Same as 55-2700, fits U-Flex steering



55-2750

DRIVE BRACKET - STAINLESS STEEL

55-2750

The Panther Drive Bracket is composed of stainless steel, and is the same bracket that is included with the Panther Model 55-2700 Trolling Motor Tie Bar Kit. The bracket attaches directly to the most common hydraulic steering units including the Sea-Star® and can be combined with our Model 55-2400 and 55-2600 for a professional installation. It's never been easier to install a main engine/kicker tie bar kit.

Battery Energy Gauges

The Panther battery energy gauges allows you to determine the exact amount of charge remaining in your batteries. There are several gauges for many types of applications. They are perfect for any boating, automotive, or industrial use, and can be used with all standard and deep cycle 12 volt lead acid batteries.



55-6000



55-6100



55-6200



55-6400

HAND HELD PORTABLE ENERGY BATTERY GAUGE

55-6000

TWO BATTERY ENERGY GAUGE

55-6200

INSTRUMENT PANEL ROUND BATTERY GAUGE

55-6100

FOUR BATTERY ENERGY GAUGE

55-6400

Rope and Cutters



PANTHER ANCHOR ROPE

75-7000 / 75-7010



75-7000

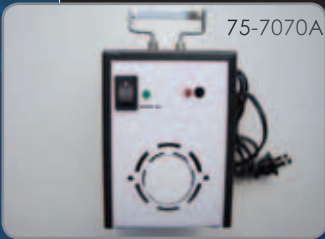
Panther anchor rope is manufactured with the outdoorsman in mind. Made from heavy duty 3/8" blue polypropylene it has an amazing tensile strength of 2800lbs. Comes packaged with a no-tie rope cleat and snap hook. Available in both 50' and 100' lengths.

75-7000 - 50'

75-7010 - 100'

PANTHER TABLE TOP ROPE CUTTER

75-7070A



75-7070A

Panther's Table Top Rope Cutter is a fast and convenient way to cut and trim all types of synthetic rope. Lightweight, (only 2 lbs), and compact (3 1/2"w X 4 1/2"h X 4 1/2"d) but powerful. Operates from 120V AC / 150W it draws only 1.5 Amps.

Replacement Blades: 75-7071

PANTHER PORTABLE ROPE CUTTER

75-7060B



75-7060B

Panther's portable Rope Cutting Gun is ideal for boat, camper and home use. Lightweight (1.5 lbs), the handle fits in the palm of your hand with easy finger pull operation. It makes quick clean cuts in all types of synthetic ropes, lines and strapping. Comes with a generous 4ft cord. Operates on 120V AC power. Replacement blades available. Overall Dims: 6"h X 6"l X 2"d

Replacement Blades: 75-7061

The Rope Cleat



55-8100

A no tie, no knot, rope cleat that will secure any rope or line, up to 3/8" diameter (55-8300 and 55-8500 will secure 1/2" rope) with no knots, is just what is needed for a variety of purposes ranging from boats and docks to trucks and trailers. You can use the Rope Cleat to secure just about any object up to 200 lbs with no knots. The Rope Cleat "It's a Cinch".



55-8200

ROPE CLEAT DIE CAST ZINC PLATED

55-8400 - 3" 2 pack

55-8500 - 4" 2 pack (special order)

ROPE CLEAT DIE CAST CHROME PLATED

55-8200 - 3" 2 pack

55-8300 - 4" 2 pack (special order)

3" ROPE CLEAT BLACK NYLON 2-PACK

55-8100



WATER SPIKE ANCHOR
55-9200 / 55-9300 / 55-9400

Made of 1/4" plated steel
Unmatched holding power
Completely collapsible.
Incredibly light weight.

55-9200 -Up to a 16' boat - 7 lbs
55-9300 -Up to a 22' boat - 10 lbs
53-9400 -Up to a 35' boat - 13 lbs



ADJUSTABLE TRANSOM SAVER
55-1900

The transom saver adjusts from 28" to 59" to reach where others won't on hard to access trailer crossbars, that extend under the boat. Comes with easy to install bracket attachment. Fits most popular brands of trailers and is easily removed for loading and unloading.



LIFT GAUGE
55-1100

This unit will fit all the Panther jack plates and trim and tilts, providing an accurate indication of the trim and tilt that is occurring. Will also work with many other lifts and plates other than Panther.

OUTBOARD STABILIZER CLIPS
HYCL-001

Fits most cylinder rods on engines manufactured from 1997 and newer. Snaps over outboards hydraulic steering and cylinder rods. Helps keep engine centered during transport. (2 in a package.)

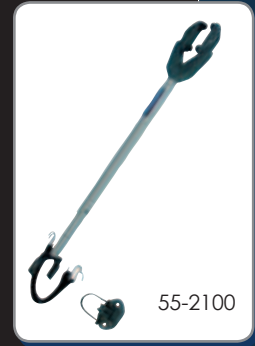


PRO STRAP KICKER TIE DOWN
55-1500

The Panther Pro-Strap provides hands-free, heavy duty retention for the Model 35. As the motor is lowered, the two inch diving belt strap stays secured and tucks to the side. Will fit any auxiliary outboard with a Panther Model 35. Adjustable buckles and stainless clevis are included.

ADJUSTABLE MOTOR SUPPORT
55-2100

The adjustable motor support has a universal design and comes with both the bolt-on bracket and the over-the-roller bracket. It is adjustable from 34" to 46" and comes with 2 rubber straps.



PUSH BUTTON TRIM SWITCH
55-1200

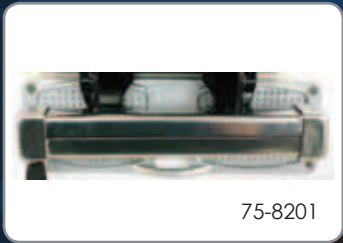
12 feet of cable allows each user easy and custom installation of this remote push button switch. This splices into existing applications or can be plugged directly to any Panther product.

SHORE SPIKE
55-9500 / 55-9525 / 55-9600

Make quick work of anchoring your boat or personal watercraft in shoreline materials including sand, clay, or firm soil. Securely holds boats up to 26 ft. Dimension: 1/2" x 4" x 36".

55-9500 -Zinc Plated Carbon Steel
55-9525 -Same as 9500, but with rope
55-9600 -304 Solid Stainless Steel





75-8201

OUTBOARD MOTOR LOCK

75-8201

Polished 316 Stainless Steel high security key locks with anti-drill protection secure outboards to your boat. Bar Lock model fits most outboard engines with turnbuckle installations.

- Noise dampeners reduce rattle
- Each lock includes two keys, which cannot be duplicated without 4 digit key card (also included)



75-8101

HIGH SECURITY OUTBOARD LOCK

75-8101

Polished 316 Stainless Steel high security key locks with anti-drill protection secure outboards to your boat. Bolt Lock model's backing plate installs under engine transom nut and fits up to 1/2" engine bolts.

- Noise dampeners reduce rattle
- Each lock includes two keys, which cannot be duplicated without 4 digit key card (also included)



75-8000

PANTHER OUTBOARD LOCK

75-8000

- Heavy carbon steel design
- Fits turnbuckle mounted engines
- Recessed solid brass lock
- Noise dampeners reduce rattle

LADDER

25-0070

This 5 step, folding ladder is made of 1 1/4" inch diameter, corrosion resistant stainless steel tubing. Ladder has integrated large radius handles that provide solid support while climbing. Wide Plastic steps provide safe and comfortable climbing. Overall height is 60". Mounts directly to deck of pontoon and includes ladder support against pontoon or side of boat.



25-0070

OIL EXTRACTOR

75-6025 / 75-6060

These compact, powerful pumps make oil changes fast, efficient and cleaner than you ever thought possible. They take less than 10 seconds to prime and have see-through calibrated containers for quick visual reference of oil level. Both have non-kinking, flexible metallic extractor tubes. Model 75-6060 has a large 6-liter capacity to meet the needs of most boaters. Model 75-6025 is a down-sized, 2.5-liter version of the 75-6060 that's perfect for four-strokes up to 50hp and sailboats with small engines. Available; Model 75-6025, Model 75-6060. Note! Not for use with flammable products.



Let's face it, you've invested quite a bit of money in your equipment because you take fishing seriously. Quality rods, reels, fishfinders, flashers, and GPS units have all become vital tools for the serious angler. For that reason, we created a full line of products that will help you fish better and protect your investment.



MULTI-MOUNTS

AP-MT10 / AP-MT14 / AP-MT17

Angler's Pal Multi-Mounts offers the flexibility to mount your fish finder/depth sounder anywhere in the boat for easy reading. They give you a 360 degree full hemisphere of possible positions. The units feature a universal ball locking device with a "select position" locking knob making them virtually vibration free. Made of rust resistant stainless steel/black hard anodized aluminum for fresh and saltwater usage. Easily removed for security or storage.

AP-MT10 overall length 10"

AP-MT14 overall length 14-5/8"

AP-MT17 overall length 17"



ROD HOLDERS

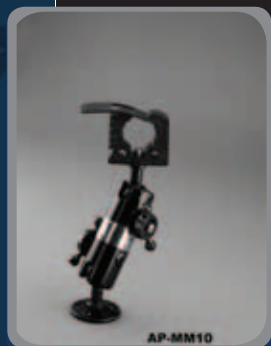
AP-100 / AP-700 / AP-800

Angler's Pal Rod Holders are precision-made out of rust-resistant stainless steel and chrome plated steel for fresh and salt water. They have a unique 360 degree full hemisphere of possible positions. They can be easily adjusted and locked into exact position for optimum fishing performance. The rod holders can quickly be removed from the base mount for storage. Available in a variety of sizes.

AP-100 -Chrome plated Steel tube, 6" deep tube socket, 1-3/8" diameter.

AP-700 -Stainless Steel Tube/black anodized aluminum, 7-3/4" deep tube socket, 1-3/4" diameter.

AP-800 -Stainless Steel Tube/black anodized aluminum, 10' deep tube socket, 1-3/4" diameter.



TROLLING MOTOR MOUNT

AP-MM10

Angler's Pal Trolling Motor Mounts feature a unique rubber lock down strap that eliminates your trolling motor from moving when flying across the lake or traveling down the road. Made of stainless steel/black hard anodized aluminum for fresh and saltwater use. Protect your trolling motor from excessive vibration that can cause cosmetic damage to the trolling motor shaft.

AP-MM10 overall length 10"

Hydraulic Jack Plates

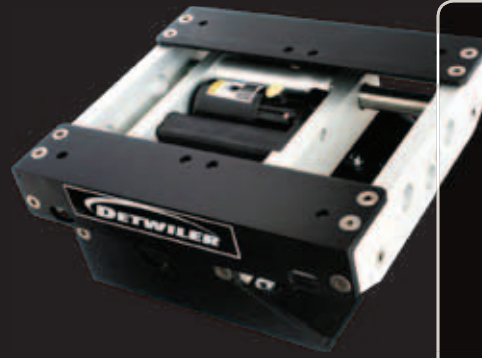


EX-ZACT DIAL OEZ

OEZ600 / OEZ800

Dash-Mounted hydraulic jack plate adjustment. Returns plate to within 1/8" of desired location. Eliminates need to visually reference engine position.

- OEZ600 - 6" Setback with Ex-Zact Dial
- OEZ800 - 8" Setback with Ex-Zact Dial



ALL-IN-ONE-SERIES

PLATE-MOUNTED PUMP

Saves space and installation time. 625 lbs Maximum rating. Available in 4", 6" and 8" setback.



TOGGLE OBD

OBD400 / OBD600 / OBD800

Instrument panel mounted rocker switch.

- OBD400 - 4" Setback w/ Rocker Switch
- OBD600 - 6" Setback w/ Rocker Switch
- OBD800 - 8" Setback w/ Rocker Switch

GAUGE AND TURN SIGNAL OGT

OGT600/OGT800

Teleflex® pro trim switch combined with our Detwiler position indicator gauge for jack plate positioning.

- OGT600 - 6" Setback with Gauge and Turn Signal Switch
- OGT800 - 8" Setback with Gauge and Turn Signal Switch



Manual Jack Plates



M SERIES - MANUAL JACK PLATE

600M / 800M / 1000M

Interlocking flat bars for added strength. 585 lbs maximum rating. Available in 6", 8" and 10" set-back. Ideal for bass boats, aluminum boats, skiff boats, flat boats, and off shore racing. Features a unique on-the-water adjustment with a turn of the wrench.*

- 600M - 6" setback
- 800M - 8" setback
- 1000M - 10" setback



SS SERIES - MANUAL JACK PLATE

400SS / 600SS / 800SS / 1000SS

Interlocking flat bars for added strength. 585 lbs maximum rating. Available in 4", 6", 8" and 10" set-back. Ideal for bass boats, aluminum boats, skiff boats, flat boats, and off shore racing.*

- 400SS - 4" setback
- 600SS - 6" setback
- 800SS - 8" setback
- 1000SS - 10" setback



*(wrench-001) Custom offset wrench for use with all manual jack plates.



AUXILIARY OUTBOARD STEERING KITS

STEER YOUR AUXILIARY OUTBOARD MOTOR FROM
YOUR MAIN UNITS STEERING WHEEL

All brackets are made of stainless steel and powder coated to prevent scratching engines. Quick connectors are brass with stainless steel balls and spring. Since the rod is so simple to connect and disconnect with the finger tip connectors, it is suggested that if the boat is being trailered or left unattended that the rod be removed to prevent theft.

The E.Z. Steer system is a patented self-adjusting rod, which steers the auxiliary outboard motor from the main wheel. The rod will self-adjust by using the built in turn stops on the engines. When both engines are in the down running position and straight ahead, the rod will be at its shortest measurement. With the auxiliary motor in the raised position, the rod will extend the first time the main unit is turned away. Then, as the main unit turns back and forth, the auxiliary unit will follow the main unit. When the auxiliary engine is lowered, the rod will shorten the first time the main unit is turned towards it. Again, the auxiliary will follow the main unit back and forth.

Self-Adjusting Steering Rod



STEERING ROD: The rod consists of two stainless steel tubes. To assemble, simply insert the inner, grooved tube, into the outer, smooth tube with a twisting motion. Extend or contract the rod to approximate length. Attach one end of the rod to the main unit bracket pushing the quick connector's moveable collar down, inserting the end of the ball joint into the quick connector, and releasing the collar. The end should now be held securely in place. Repeat for other end. Reverse the order to remove the rod. Now check for tension. The rod is pre-set to approximately 20# of pressure and should adjust to compensate for this position. Do not oil or grease the rod, as it will gum up the détentes and cause damage to the inner rod.



ROD SIZES AVAILABLE FOR C-C* MEASUREMENTS

ORDER #	C-C	DESC.	ORDER #	C-C	DESC.
10001	19"-22"	SHORT	10004	27"-28"	MEDIUM
10002	23"-26"	STANDARD	10005	39"+	X-LONG
10003	29"-33"	LONG	10006	34"-38"	ULTRA

DÉTENTE SYSTEM ADJUSTMENT

The détente system is factory set for 18-20# of pressure. Follow the reset steps only if the rod needs to be re-adjusted. To adjust the tension, make sure the détente pins are in a groove of the inner rod. Tighten the allen screws (under the white caps) until they are snug. Observe the position of the allen wrench, and then back off the allen screws by about 2 turns. To increase the tension, tighten the screws by 1/8 turn increments. To decrease the tension, loosen the screws by 1/8 turn increments. The pins must be set equally for proper adjustability. **DO NOT OVER TIGHTEN AS IT WILL DAMAGE THE E.Z. STEER BRACKETS.**

* C-C MEANS CENTER TO CENTER IN DOWN POSITION.

RESTRICTOR CORD NEEDED ON SOME 4-STROKE APPLICATIONS:

If the auxiliary is being tipped up and after off setting the E.Z. Steer bracket towards the main engine, you are still having a problem of it locking over away from the main engine, you will need a restrictor cord. Contact customer service. Order # 18710





OMC Bracket Assembly consists of:

1. 20100 Bracket only
2. 13200 Quick Connector
3. 20350 Edge Clamp (will need 2)
4. 20400 Hardware

If C-C = 23"-26" Order Kit #: 20002

If C-C = 27"-28" Order Kit #: 20004

If C-C = 29"-33" Order Kit #: 20003

If C-C = 34"-38" Order Kit #: 20006

If C-C = 39"-44" Order Kit #: 20005



Standard OMC kit consists of:

1. Bracket Assembly #20010
2. Auxiliary Assembly #50010
3. Rod Assembly #10002

All 4-Stroke 15" Short Shaft bracket assemblies and longer rods are available with this kit.

OMC Swimplatform kit consists of:

1. Bracket assembly #21010
2. Auxiliary Assembly #50020
3. Rod Assembly #10003

If the center to center distance between the housing of the engines exceeds 33" see Rod section for longer rod options.



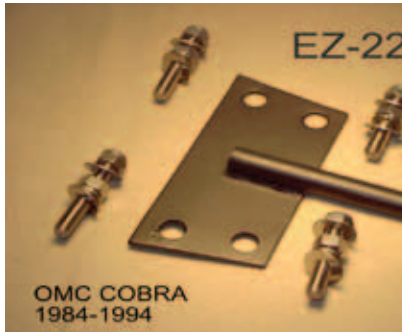
Standard 2-Stroke or 4-Stroke
Long Shaft Bracket Assembly
Catalog # 50010
(S/P models use 50020)



If C-C = 29-33" Order Kit #: 21003



Long Rod Assembly
Catalog # 10003



Cobra Bracket Assembly consists of:

1. 22100 Bracket only
2. 13200 Quick Connector
3. 20400 Hardware

- If C-C = 23"-26" Order Kit #: 22002
- If C-C = 27"-28" Order Kit #: 22004
- If C-C = 29"-33" Order Kit #: 22003
- If C-C = 34"-38" Order Kit #: 22006
- If C-C = 39"-44" Order Kit #: 22005



Standard Cobra kit consists of:

1. Bracket Assembly #22010
2. Auxiliary Assembly #50010
3. Rod Assembly #10002

All 4-Stroke 15" Short Shaft bracket assemblies and longer rods are available with this kit.

Cobra Swimplatform kit consists of:

1. Bracket assembly #23010
2. Auxiliary Assembly #50020
3. Rod Assembly #10003

If the center to center distance between the housing of the engines exceeds 33" see Rod section for longer rod options.



Standard 2-Stroke or 4-Stroke
Long Shaft Bracket Assembly
Catalog # 50010
(S/P models use 50020)



If C-C = 29-33" Order Kit #: 23003



Long Rod Assembly
Catalog # 10003

MerCruiser Alpha I



MerCruiser Alpha I Bracket Assembly
Minimum C-C required 23"

1. 30100 Bracket only
2. 13200 Quick Connector

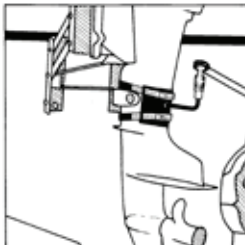
If C-C = 23"-26" Order Kit #: 30002

If C-C = 27"-28" Order Kit #: 30004

If C-C = 29"-33" Order Kit #: 30003

If C-C = 34"-38" Order Kit #: 30006

If C-C = 39"-44" Order Kit #: 30005



Alpha I kit consists of:

1. Bracket Assembly #30010
2. Auxiliary Assembly #50010
3. Rod Assembly #10002

All 4-Stroke 15" Short Shaft bracket assemblies and longer rods are available with this kit.



Alpha I Swim Platform kit consists of:

1. Bracket assembly #30010
2. Auxiliary Assembly #50020
3. Rod Assembly #10003

If the center to center distance between the housing of the engines exceeds 33" see Rod section for longer rod options.

USE THE STANDARD ALPHA I BRACKET, HOWEVER, TURN THE QUICK CONNECTOR DOWN.



If C-C = 29-33" Order Kit #: 30003



Standard 2-Stroke or 4-Stroke
Long Shaft Bracket Assembly
Catalog # 50010
(S/P models use 50020)



Long Rod Assembly
Catalog # 10003

MerCruiser Alpha 1 2nd Gen



MerCruiser Alpha I 2nd Generation Bracket Assembly

1. 37100 Bracket only
2. 13200 Quick Connector
3. 37300 Adaptor Clip Assembly

Adaptor Clip Assembly consists of:

1. 37350 Left Clip
2. 37360 Right Clip
3. 35400 Hardware Pack



If C-C = 23"-26" Order Kit #: 37002

If C-C = 27"-28" Order Kit #: 37004

If C-C = 29"-33" Order Kit #: 37003

If C-C = 34"-38" Order Kit #: 37006

If C-C = 39"-44" Order Kit #: 37005

Alpha I 2nd Generation kit consists of:

1. Bracket Assembly #37010
2. Auxiliary Assembly #50010
3. Rod Assembly #10002

All 4-Stroke 15" Short Shaft bracket assemblies and longer rods are available with this kit.



Alpha I 2nd Generation

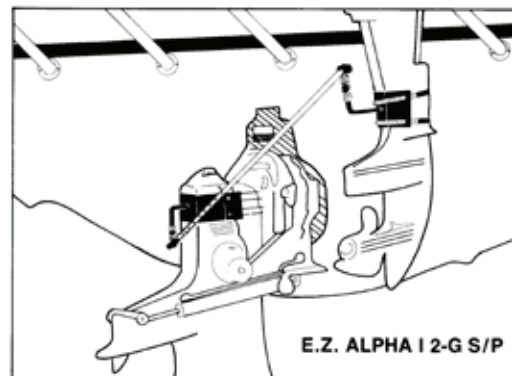
Swim Platform kit consists of:

1. Bracket assembly #37010
2. Auxiliary Assembly #50020
3. Rod Assembly #10003

If the center to center distance between the housing of the engines exceeds 33" see Rod section for longer rod options.



Standard 2-Stroke or 4-Stroke
Long Shaft Bracket Assembly
Catalog # 50010
(S/P models use 50020)



If C-C = 29-33" Order Kit #: 37003



Long Rod Assembly
Catalog # 10003

MerCruiser Bravo



MerCruiser Bravo Bracket Assembly

1. 35100 Bracket only
2. 13200 Quick Connector
3. 35300 Adaptor Clip Assembly

Adaptor Clip Assembly consists of:

1. 35350 Left Clip
2. 35360 Right Clip
3. 35400 Hardware Pack

If C-C = 23"-26" Order Kit #: 35002

If C-C = 27"-28" Order Kit #: 35004

If C-C = 29"-33" Order Kit #: 35003

If C-C = 34"-38" Order Kit #: 35006

If C-C = 39"-44" Order Kit #: 35005



Bravo kit consists of:

1. Bracket Assembly #35010
2. Auxiliary Assembly #50010
3. Rod Assembly #10002

All 4-Stroke 15" Short Shaft bracket assemblies and longer rods are available with this kit.



BRAVO

Swim Platform kit consists of:

1. Bracket assembly #35010 point quick connector down for clearance
2. Auxiliary Assembly #50020
3. Rod Assembly #10003

If the center to center distance between the housing of the engines exceeds 33" see Rod section for longer rod options.



Standard 2-Stroke or 4-Stroke
Long Shaft Bracket Assembly
Catalog # 50010
(S/P models use 50020)



If C-C = 29-33" Order Kit #: 35003



Long Rod Assembly
Catalog # 10003



Volvo I (Pre-1989) Bracket Assembly

1. 40100 Bracket only
2. 13200 Quick Connector
3. 18020 Bands

If C-C = 23"-26" Order Kit #: 40002

If C-C = 27"-28" Order Kit #: 40004

If C-C = 29"-33" Order Kit #: 40003

If C-C = 34"-38" Order Kit #: 40006

If C-C = 39"-44" Order Kit #: 40005



Volvo I kit consists of:

1. Bracket Assembly #40010
2. Auxiliary Assembly #50020
3. Rod Assembly #10002

All 4-Stroke 15" Short Shaft bracket assemblies and longer rods are available with this kit.

Volvo I

Swim Platform kit consists of:

1. Bracket assembly #41010
2. Auxiliary Assembly #50020
3. Rod Assembly #10003

If the center to center distance between the housing of the engines exceeds 33" see Rod section for longer rod options



Standard 2-Stroke or 4-Stroke
Long Shaft Bracket Assembly
Catalog # 50020
(S/P models also uses 50020)



If C-C = 29-33" Order Kit #: 41003



Long Rod Assembly
Catalog # 10003



Volvo II Bracket Assembly

1. 42100 Bracket only
2. 13200 Quick Connector
3. 18020 Bands

- If C-C = 23"-26" Order Kit #: 42002
- If C-C = 27"-28" Order Kit #: 42004
- If C-C = 29"-33" Order Kit #: 42003
- If C-C = 34"-38" Order Kit #: 42006
- If C-C = 39"-44" Order Kit #: 42005

Volvo II kit consists of:

1. Bracket Assembly #42010
2. Auxiliary Assembly #50020
3. Rod Assembly #10002

All 4-Stroke 15" Short Shaft bracket assemblies and longer rods are available with this kit.



Volvo II

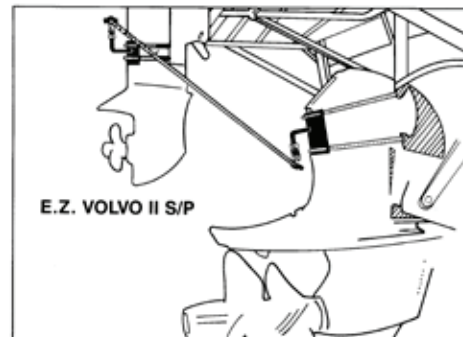
Swim Platform kit consists of:

1. Bracket assembly #43010
2. Auxiliary Assembly #50020
3. Rod Assembly #10003

If the center to center distance between the housing of the engines exceeds 33" see Rod section for longer rod options.



Standard 2-Stroke or 4-Stroke Long Shaft Bracket Assembly
Catalog # 50020
(S/P models also uses 50020)



If C-C = 29-33" Order Kit #: 43003



Long Rod Assembly
Catalog # 10003



Volvo SX kit consists of:

1. Bracket Assembly #44010
2. Auxiliary Assembly #50010
3. Rod Assembly #10002

All 4-Stroke 15" Short Shaft bracket assemblies and longer rods are available with this kit.

Volvo SX Bracket Assembly

1. 44100 Bracket only
2. 13200 Quick Connector
3. 44300 Adaptor Clip Assembly

Adaptor Clip Assembly consists of:

1. 44350 Left Clip
2. 44360 Right Clip
3. 35400 Hardware Pack

If C-C = 23"-26" Order Kit #: 44002

If C-C = 27"-28" Order Kit #: 44004

If C-C = 29"-33" Order Kit #: 44003

If C-C = 34"-38" Order Kit #: 44006

If C-C = 39"-44" Order Kit #: 44005

Volvo SX

Swim Platform kit consists of:

1. Bracket assembly #45010
2. Auxiliary Assembly #50020
3. Rod Assembly #10003

If the center to center distance between the housing of the engines exceeds 33" see Rod section for longer rod options.



Standard 2-Stroke or 4-Stroke
Long Shaft Bracket Assembly
Catalog # 50010
(S/P models use 50020)

If C-C = 29-33" Order Kit #: 45003



Long Rod Assembly
Catalog # 10003

Volvo Ocean Series XDP



Volvo Ocean Series XDP Bracket Assembly

1. 46100 Bracket only
2. 13200 Quick Connector
3. 46300 Front Plate
4. 20400 Hardware

If C-C = 23"-26" Order Kit #: 46002

If C-C = 27"-28" Order Kit #: 46004

If C-C = 29"-33" Order Kit #: 46003

If C-C = 34"-38" Order Kit #: 46006

If C-C = 39"-44" Order Kit #: 46005



Volvo XDP kit consists of:

1. Bracket Assembly #46010
2. Auxiliary Assembly #50010
3. Rod Assembly #10002

All 4-Stroke 15" Short Shaft bracket assemblies and longer rods are available with this kit.



If the center to center distance between the housing of the engines exceeds 33" see Rod section for longer rod options.



Standard 2-Stroke or 4-Stroke
Long Shaft Bracket Assembly
Catalog # 50010
(S/P models use 50020)

If C-C = 29-33" Order Kit #: 46003



Long Rod Assembly
Catalog # 10003



Sailboat Bracket Assembly

1. 70100 Bracket only
2. 13200 Quick Connector
3. 70300 Back Plate
4. 20400 Hardware

If C-C = 19"-22" Order Kit #: 70001

If C-C = 23"-26" Order Kit #: 70002

If C-C = 27"-28" Order Kit #: 70004

If C-C = 29"-33" Order Kit #: 70003

If C-C = 34"-38" Order Kit #: 70006

If C-C = 39"-44" Order Kit #: 70005



Sailboat kit consists of:

1. Bracket Assembly #70010
2. Auxiliary Assembly #50020
3. Rod Assembly #10001

All 4-Stroke 15" Short Shaft bracket assemblies and longer rods are available with this kit.

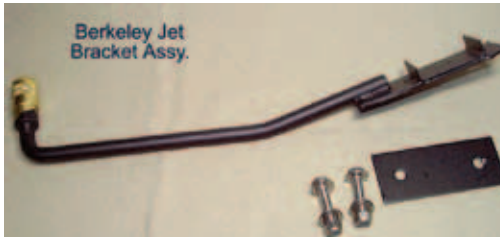
Hunter Wheel Steering kit consists of:

Bracket assembly # 74010 Auxiliary Assembly #50030 Rod Assembly # Varies

The center to center distance between the housing of the auxiliary and the tiller post is needed in this application with the auxiliary in the tipped up position.



Other kits available: Rhodes, Penyan, and any tip up style rudder application. Contact customer service for specific catalog numbers as each application is different. Please have the distance between the rudder casing (or rudder if no casing) when both the auxiliary and rudder are in the down position.



Berkeley Jet Bracket Assembly

1. 75100 Bracket only
2. 13200 Quick Connector
3. 75200 Back Plate
4. 75400 Hardware

- If C-C = 23"-26" Order Kit #: 75002
- If C-C = 27"-28" Order Kit #: 75004
- If C-C = 29"-33" Order Kit #: 75003
- If C-C = 34"-38" Order Kit #: 75006
- If C-C = 39"-44" Order Kit #: 75005



Berkeley Jet kit consists of:

1. Bracket Assembly #75010
2. Auxiliary Assembly #50010
3. Rod Assembly #10002

All 4-Stroke 15" Short Shaft bracket assemblies and longer rods are available with this kit.

Dominator Jet

- If C-C = 23"-26" Order Kit #: 77002
- If C-C = 27"-28" Order Kit #: 77004
- If C-C = 29"-33" Order Kit #: 77003
- If C-C = 34"-38" Order Kit #: 77006
- If C-C = 39"-44" Order Kit #: 77005

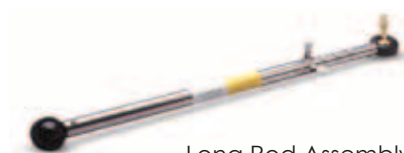


Dominator Jet Standard Kit consists of:

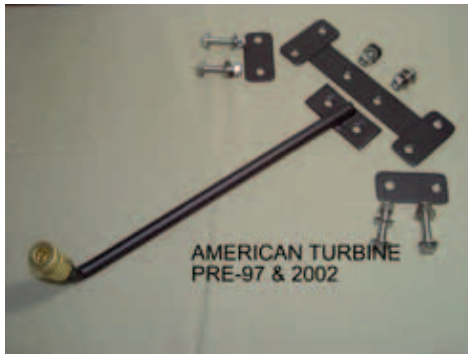
1. Bracket Assembly #77010
2. Auxiliary Assembly #50010
3. Rod Assembly #10002



Standard 2-Stroke or 4-Stroke Long Shaft Bracket Assembly
Catalog # 50010



Long Rod Assembly
Catalog # 10003



American Turbine Bracket Assembly

1. 72100 Bracket only
2. 13200 Quick Connector
3. 72300 Back Plate
4. 72400 Hardware
5. 72500 Mounting Clip

If C-C = 23"-26" Order Kit #: 72002

If C-C = 27"-28" Order Kit #: 72004

If C-C = 29"-33" Order Kit #: 72003

If C-C = 34"-38" Order Kit #: 72006

If C-C = 39"-44" Order Kit #: 72005

American Turbine Standard kit consists of:

1. Bracket Assembly #72010
2. Auxiliary Assembly #50010
3. Rod Assembly #10002

All 4-Stroke 15" Short Shaft bracket assemblies and longer rods are available with this kit.



American Turbine II

If C-C = 23"-26" Order Kit #: 73002

If C-C = 27"-28" Order Kit #: 73004

If C-C = 29"-33" Order Kit #: 73003

If C-C = 34"-38" Order Kit #: 73006

If C-C = 39"-44" Order Kit #: 73005



Standard 2-Stroke or 4-Stroke
Long Shaft Bracket Assembly
Catalog # 50010



American Turbine II Standard Kit consists of:

1. Bracket Assembly #73010
2. Auxiliary Assembly #50010
3. Rod Assembly #10002



Standard Rod Assembly
Catalog # 10002



Standard 2-Stroke or 4-Stroke
Long Shaft Bracket Assembly
Catalog # 50010



Auxiliary 4" Bracket Assembly
50100 Bracket only
13200 Quick Connector
18020 Bands
18520 6" Band Sleeves
50110 Bracket Liner

NOTE: All outboard brackets are furnished with a precut vinyl liner. This liner is to be attached to the inside of the outboard bracket. Position the sticky edge inside of the holes on one end of the bracket. Gradually pull the paper off while positioning the liner across the center of the bracket. DO NOT ATTACH TO ENGINE.

ON SOME APPLICATIONS IT IS NECESSARY TO POINT THE BRACKETS UPSIDE DOWN FOR CLEARANCE OR TO KEEP THE ANGLE UNDER 70 DEGREES.



4-STROKE 15" SHAFT BRACKET ASSEMBLIES

The picture to the right resembles all of the short shaft brackets. The size of the bracket will vary depending on which one you order. The brackets are designed to fit in between the wave plates on the lower housing. See Auxiliary Bracket Options page in front of catalog.



4-Stroke Short Shaft Bracket Assembly :

Bracket Assembly # Specify Model
Front Plate
Back Plate with quick connector
Hardware Pack

Customer Service is available to answer any application questions. Call, fax, or email with any questions and have the following information available.

Model and size of main engine, type of sailboat rudder and boat, or model number of jet.
Auxiliary engine model and size including the length of the housing shaft.
Center to Center distance between the housings, rudder, or jet control arm when both applications are in the down running position. This is the actual diagonal measurement where the brackets will be positioned.

OUTBOARD TO OUTBOARD STANDARD APPLICATION



Large Outboard Bracket
Assembly
Catalog #60010



Standard Rod Assembly
Covers Center to Center 23"-26"
Catalog #10002



Auxiliary Bracket
Assembly 4"
Catalog #50010



If your large engine sets back from the transom farther than the auxiliary, offset the bracket slightly towards the auxiliary. If the auxiliary sets back farther than the large engine then offset this bracket towards the large engine.

The auxiliary engine must be free to follow the main unit at all times. Be sure to loosen the steering tension on the auxiliary. Check on the port side of the engine under the head. It should be close to the junction by the horizontal and vertical pivot. On some models, you have a slider lever on the front of the engine. It may be necessary to slightly loosen (approximately 1/8" turn) the retaining screw with a box end wrench.



WHILE READING THE INSTRUCTIONS PLEASE KEEP IN MIND WE HAD TO REMAIN VERY GENERAL AS EACH APPLICATION IS INTENDED FOR SYSTEMS USING NO LARGER THAN A 25 HP. AUXILIARY ENGINE. IF YOU HAVE ANY QUESTIONS REGARDING YOUR SPECIFIC APPLICATION, CONTACT CUSTOMER SERVICE 8:30 A.M. TO 3:00 P.M. CENTRAL TIME, MONDAY THRU FRIDAY.

Outboard to Outboard



LARGE 4-STROKE OUTBOARD BRACKETS: All 4-stroke brackets will be installed basically the same way. Only the size and shape of the bracket vary. The hardware which will include 2 stainless bolts, 4 washers and 2 nyloc nuts are provided. Slide washer on bolt, slide through hole on back plate, place through hole on front plate, add 2nd washer, attach nyloc nut and secure loosely. Repeat on other side and then tighten securely. We are developing new brackets as engines come onto the market. If you do not see yours listed call customer service. Most brackets are installed between the wave plates. However, you will find that the brackets will only fit in one place on the engine. Where needed we have added "feet" to prevent the bracket from sliding up on slanted housings.



MERCURY 50
CAT. # 67010



MERCURY 75-90/115
ROUND NOSE #68010



MERCURY 75-90/115 EFI
SQ. NOSE #69010



YAMAHA 100 (20" Shaft)
CATALOG # 81010



YAMAHA 80-100 (25" Shaft)
CATALOG # 80010



YAMAHA F200/225
CATALOG # 84010



HONDA 75-90
CATALOG #62010



HONDA 115-130
CATALOG # 63010



HONDA 200-225
CATALOG #66010

MAIN BRACKET ASSEMBLY OPTIONS AVAILABLE

CATALOG #	DESCRIPTION	Minimum C-C	Auxiliary Bracket
20010	OMC 1984 & Older	23"	50010
21010	OMC S/P	29"	50020
22010	Cobra	23"	50010
23010	Cobra S/P	29"	50020
24010	King Cobra	23"	50010
25010	King Cobra S/P	29"	50020
30010	Alpha I (Pre-1992)	23"	50010
30010	Alpha I S/P	29"	50010
33010	Merc Cruiser TRS	Special Order Only	
34010	Merc Bravo III	23"	50010
35010	Bravo	23"	50010
35010	Bravo S/P	29"	50010
36010	Bravo Lower Bolt	29"	50010
37010	Alpha I 2nd Generation	23"	50010
37010	Alpha I 2nd Gen. S/P	29"	50010
38010	Merc 2G Lower Bolt	29"	50010
40010	Volvo I (Pre-1989)	23"	50020
41010	Volvo I S/P	29"	50020
42010	Volvo II	23"	50020
43010	Volvo II S/P	29"	50020
44010	Volvo SX	23"	50010
45010	Volvo SX S/P	29"	50020
46010	Volvo XDP	23"	50010
47010	Volvo SXA Series	23"	50010
60010	Large OB 2 Stroke	19"	50010
61010	Honda 35-50	23"	50070
62010	Honda 75-90	23"	50070
63010	Honda 115-130	23"	50070
64010	Evinrude/Suzuki	23"	50070
65010	Evinrude FFI	23"	50070

MAIN BRACKET ASSEMBLY OPTIONS AVAILABLE

CATALOG #	DESCRIPTION	Minimum C-C	Auxiliary Bracket
66010	Honda 200/225	23"	50010
67010	Mercury 50 & 25BF	23"	50010
68010	Mercury 75/90/115 (Round Nose)	23"	50010
69010	Mercury 75/90 & 115EFI Sq. Nose	23"	50010
70010	Sailboat	19"	50020
71010	Penyan	19"	50020
72010	American Turbine 7-3/4" Control Arm	23"	50010
73010	American Turbine II 6-1/2" Control Arm	23"	50010
74010	Sailboat Hunter Wheel Steering	23"	50030
75010	Berkeley Jet	23"	50010
76010	Evinrude E-Tec	23"	50010
77010	Dominator	23"	50010
78010	Hunter or Tip-Up Rudder Aux. Star- board	23"	50010
79010	Rhodes or Tip-Up Rudder Aux. Port	23"	50010
80010	Yamaha 80-100 25" Shaft	23"	50070
81010	Yamaha 100 20" Shaft	23"	50070
82010	Yamaha 200 HPDI	23"	50070
83010	Yamaha 115	23"	50070
84010	Yamaha F200/225	23"	50070
85010	Suzuki 90/115 20" Shaft	23"	50070
86010	Yamaha F150	19"	50020
87010	Mercury F50 EFI 4S	19"	50070
88010	Honda F135/150	19"	50070
90010	Suzuki 175	19"	50070
91010	Suzuki 200/225/250	19"	50070

AUXILIARY BRACKET OPTIONS AVAILABLE

Catalog #	Description	Suggested Applications
50010	4" Pin	Standard Bracket
50020	3" Pin	Swim Platform and most Sailboats
50030	Hunter	Special bracket for Hunter Sailboat Wheel Steering
50050	5" Pin	Needed if turning radius needs adjusting
50060	6" Pin	Same as above
50070	7" Pin	Large 4 Strokes where bracket attaches to wave plate area
50080	8" Pin	Needed if turning radius needs adjusting
50090	Honda BF 8-9.9 High Thrust 4-Stroke	
51010	2 HP (8" Pin)	Auxiliary turns 360°
52010	Yamaha 4-Stroke 15" housing length	
53010	4 HP (5" Pin)	When housing is too small for standard bracket
54010	Mercury 4-Stroke 15" shaft & 9.9/15 Bigfoot	
55010	Electric motor	Post type housing
56010	Johnson/Evinrude 4-Stroke 15" housing length	Some of the housing lengths vary from 15" to 17".
57010	Honda 4-Stroke 15" housing length	There must be at least 3" of available housing for 50010.
58010	Suzuki 4-Stroke 15" housing length	If less than 3" a different bracket will be required
59010	Honda 8/9.9/15 2003 4-Stroke	