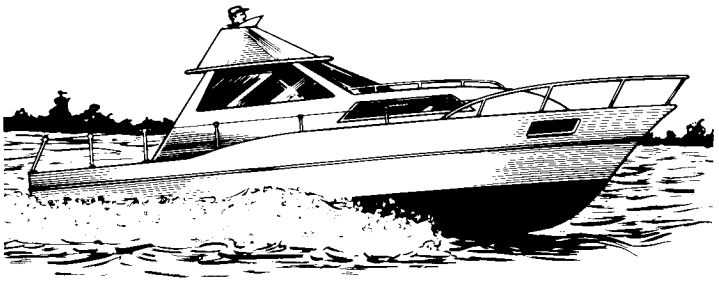
Bennett

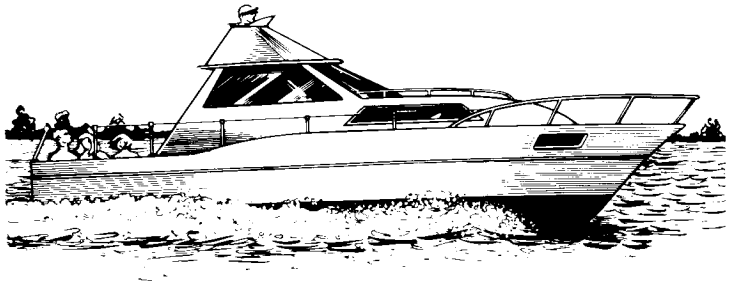
MODEL V35I

TRIM PLANES

Superior By Design

BENNETT
ELECTRO-HYDRAULIC TRIM PLANES
AIRCRAFT-TYPE PLANING CONTROL, ENGINEERED IN CORRECT DESIGNS AND SIZES FOR BOATS 16 TO 80 FEET IN LENGTH





UNTRIMMED

We commend boat builders and naval architects for designing and building boats to run bow-high as at left. Bow-high running provides positive response to rudder action — giving an excellent-handling, safe boat in a following sea or when running an inlet. Running "uphill," however, labors the engines, reduces speed and increases fuel consumption. The condition is further aggravated by the added weight of full fuel tanks and passengers in the cockpit. BENNETT TRIM PLANES are standard equipment on many boats and are offered as optional equipment by many major boat builders — not as a corrective measure, but rather to provide you with a higher performance, more versatile, safer boat.

BENNETT TRIM PLANES are guaranteed to enable you to trim your boat in seconds for maximum speed and efficiency, regardless of the load of fuel and passengers aboard.

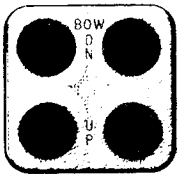
TRIMMED

- ☆ INCREASE SPEED
- ☆ REDUCE FUEL CONSUMPTION
- ☆ PROVIDE EXCELLENT VISIBILITY
- ☆ REDUCE POUNDING
- ☆ REDUCE LABORING OF ENGINES
- ☆ ELIMINATE LISTING
- ☆ ELIMINATE SQUATTING
- ☆ REDUCE WAKE
- ☆ ELIMINATE PORPOISING
- ☆ REDUCE HULL STRESS

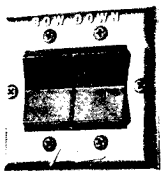
BENNETT TRIM PLANES consist of a pair of stainless steel afterplanes secured to the stern of motor boats — both hard chine and round bilge. A unique single lever control on the instrument panel allows you to control the trim planes together or individually from the pilot's seat. The action is gentle, making it easy to adjust a boat's trim precisely and safely. All components are selected on the basis of durability.

SINGLE-LEVER CONTROL

This is the ultimate trim plane control. It is an aircraft joy stick design, the movement of which is descriptive of the boat's reaction to the trim planes. It installs simply through a 1⅜" bored hole and fits neatly between instruments. This unique design is waterproof and made to last. Standard on all units.
Patent #3,695,204 and foreign.



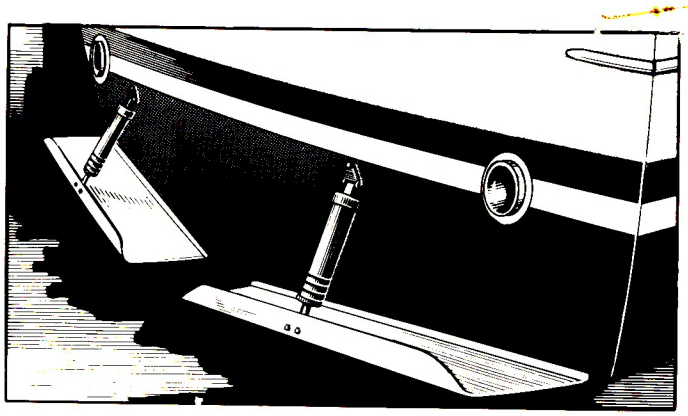
RACING-TYPE CONTROL
No Additional Charge
but must be specified



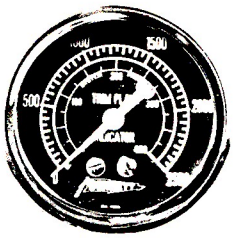
ROCKER-SWITCH CONTROL
$15 Additional

If "Bow Down" and "Bow Up" are pressed simultaneously with the R.T. or R.S. control, the fuse will blow. Although not necessary, an interrupter relay will eliminate this possibility. $10.25 additional. Both forward or both aft positions may be pressed at the same time with or without the relay.

ELECTRO-HYDRAULIC



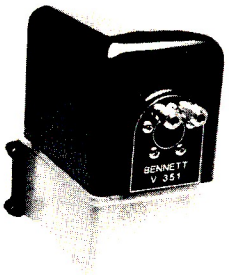
The power of hydraulic is ideal for trim plane application. Gentle plane action is provided by the design of the V-351 hydraulic power unit. High pressure in correct volume is possible due to the precise manufacturing tolerances we have set up for our pump. Two solenoid valves preclude the possibility of the trim planes retracting due to water pressure. All wiring and fusing meet the standards of the National Fire Prevention Association.



Impressive trim plane indicators read system pressure and total lift in pounds. Often they will show the planes lifting a ton or more! They indicate whether trim planes are full-up or full-down and come complete with all necessary fittings and tubing. Optional. $55.00 per pair includes 35' tubing.

Actuators are large and molded of nylon reinforced with fiberglas. There are no unsightly external hoses to fly off or burst from rot due to the elements. The fluid flows through a concealed feeder passage in the cap. The flexible neck is designed to fit transom angles from perpendicular to 25° rake. Neck can flex over 90° but, due to the geometric design, flexes only 5° in actual operation. Patent #3,628,487 and foreign.

V-351 HYDRAULIC POWER UNIT



This V-351 hydraulic power unit is extremely compact, measuring only 4 x 7 1/2 x 5 1/2 deep. The reservoir has 50% larger capacity in a transluscent fiberglas reservoir that enables you to see the fluid level. The fiberglas mounting bracket will support a weight 40 times the pump weight. A tough Lexan cover protects the more vulnerable parts from deck leaks or an occasional hosing. All manifolding is within the pump body eliminating fittings and the possibility of future leaks. The unit is manufactured by us and guaranteed for five years.

PRICES

STANDARD 9" CHORD
(Longitudinal Width)

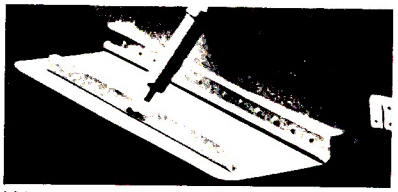
PLANE SPAN	PRICE	HULL LENGTH (Approximate)
12" (10")	$365.00	15' — 24'
18" (16", 14")	375.00	18' — 24'
24" (22", 20")	385.00	20' — 26'
30"	400.00	25' — 30'
36"	420.00	28' — 36'
42"	440.00	32' — 42'
48"	460.00	35' — 48'
54"	480.00	40' — 54'

Larger Planes Provide Greater Efficiency
SEE MEASURING INSTRUCTIONS ON BACK

12" CHORD
(Longitudinal Width)

PLANE SPAN	PRICE
12"*	$375.00
18"	385.00
24"	395.00
30"	410.00
36"	430.00
42"	460.00
48"	550.00
54"	575.00
60"	625.00
66"	650.00
72"	700.00

These units have two actuators per plane.



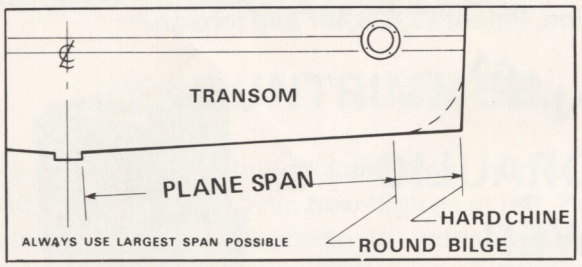
We recommend the 12" chord for boats where the configuration of the bottom limits the plane span (total of both planes) to less than 2" per foot of boat length. The 12" chord should always be used on heavy boats that have a relatively slow cruise (less than 15 mph) and on boats over 50 feet in length.

* This model has vertical stiffeners for high-performance boats, available with single or dual actuators.

ORDERING TRIM PLANES

PLEASE SPECIFY WHEN ORDERING:

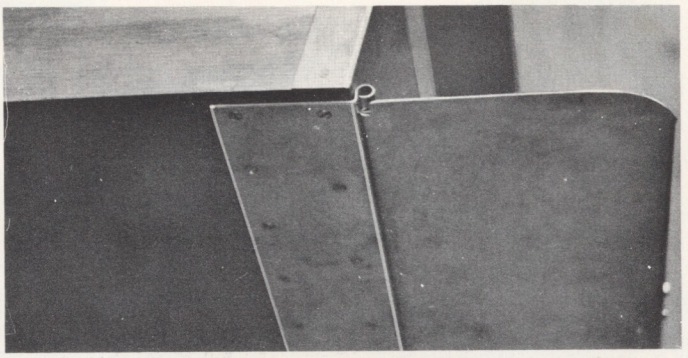
- ☐ Transom mounting planes
- ☐ Bottom mounting planes
- ☐ Wood or fiberglass hull
- ☐ Steel or aluminum hull
- ☐ 12 volt
- ☐ 32/24 volt - $10.00 additional
- ☐ Second control for bridge - $35.50 additional
- ☐ Trim plane indicators (pair) - $55.00 additional
- ☐ Epoxy - $10.50 additional



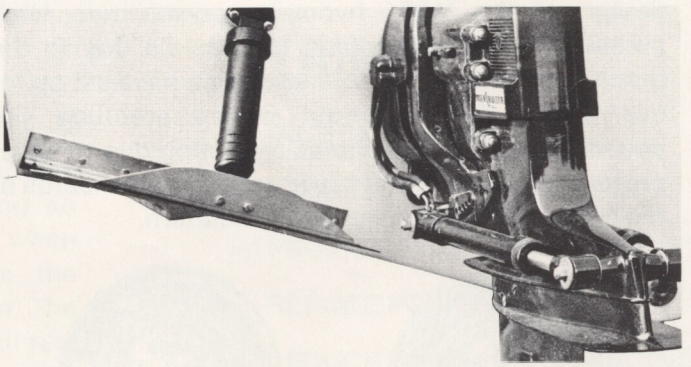
Maximum efficiency is obtained by using the longest-span planes possible. The planes are secured to the trailing edge of the bottom. The attaching plate is available for bottom or transom mounting. Measure the hull from centerline to the chine, or turn of the bilge, and select the longest-span planes that can be used (allowing 3"-4" of leeway). When bottom is convex, concave or lapstrake use transom-mount style.

5 year Limited Warranty

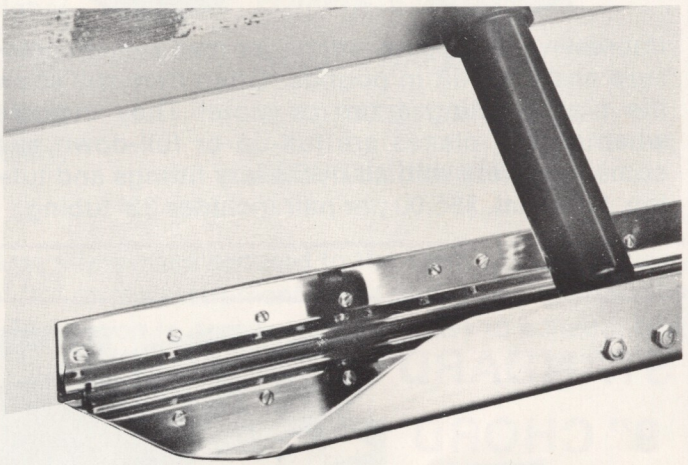
If any part of a Bennett trim plane system fails due to manufacturing defects or workmanship within a period of five years from date of purchase, Bennett Marine will repair or exchange it without charge. No labor will be allowed.



Flat bottom surfaces accept the bottom mounting plates.



Outdrive and outboard boats require minimum of 8" clearance from the centerline of the lower unit to the planes.



Curved bottom surfaces or flat transoms require transom mounting plates.

IF NOT SPECIFIED, TRANSOM MOUNT WILL BE SHIPPED.

COMPONENTS OF BENNETT TRIM PLANES ARE MADE UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS 3,062,167 • 3,111,103 • 3,399,643 • 3,628,486 • 3,628,487 • 3,695,204.

BENNETT MARINE, INC.
OF DEERFIELD BEACH
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