

# 3-LINE (PRESSURIZED) OUTBOARD SYSTEMS



## 3-LINE (PRESSURIZED) COMPACT STEERING FOR OUTBOARDS

Economical Systems For Single And Multi-Station Applications

3-Line Systems offer distinct advantages over 2-Line Systems. The reserve valve allows single-location monitoring of system pressure and fluid levels, plus the helms required for 3-Line multi-station applications are more economical than 2-Line helms since they do not contain the reservoir or valve. Hynautic offers several different Compact 3-Line Systems for outboards. The systems differ in the type of cylinder (front mount, side mount, or base mount) and also the helm unit included in each system. The primary step in system selection is your choice of cylinder type. Once the cylinder type is chosen, simply consult the adjacent selection charts and drawings.

Outboard 3-Line (Pressurized) System Selection Guide

Engine Mtg	APPLICATIONS				HYNAUTIC SYSTEMS			Additional Base Mount Information
	Model*	Type	No. Engines	Counter Rotation	Front Mount Cylinder K-10	Side Mount Cylinder K-13	Base Mount Cylinder K-6	
EVINRUDE & JOHNSON	90	V-4	1 OR 2	NO	OB 750-11	OB 250-11	OB 700-11	KIT REQUIRED FOR 1989 TO 1991 ENGINES ALSO SPECIAL & COMMERCIAL ENGINES
	115	V-4	1 OR 2	NO	OB 750-11	OB 250-11	OB 700-11	
	130	V-4	1 OR 2	YES OR NO	OB 750-11	OB 250-11	OB 700-11	
	150	V-6	1 OR 2	YES OR NO	OB 750-11	OB 510-11	OB 700-11	
	175	V-6	1 OR 2	YES OR NO	OB 750-11	OB 510-11	OB 700-11	
	200	V-6	1 OR 2	YES OR NO	OB 750-11	OB 510-11	OB 700-11	
	225	V-6	1	N/A	OB 750-11	OB 510-11	OB 700-11	
	225	V-6	2	NO	OB 750-12	OB 510-12	OB 700-12	
	225	V-6	2	YES	OB 750-11	OB 510-11	OB 700-11	
	250	V-8	1	N/A	OB 750-11	OB 510-11	N/A	
	250	V-8	2	YES OR NO	OB 750-12	OB 510-12	N/A	
	300	V-8	1	N/A	OB 750-11	OB 510-11	N/A	
300	V-8	2	YES OR NO	OB 750-12	OB 510-12	N/A		
MERCURY & MARINER	75	3	1 OR 2	NO	OB 750-11	OB 250-11	OB 700-11	150, 200, 225 PRO MAX & SUPER MAGNUM REQUIRE KITS
	100	4	1 OR 2	NO	OB 750-11	OB 250-11	OB 700-11	
	115	4	1 OR 2	NO	OB 750-11	OB 250-11	OB 700-11	
	125	4	1 OR 2	NO	OB 750-11	OB 250-11	OB 700-11	
	135	V-6	1 OR 2	YES OR NO	OB 750-11	OB 250-11	OB 700-11	
	150	V-6	1 OR 2	YES OR NO	OB 750-11	OB 510-11	OB 700-11	
	175	V-6	1 OR 2	YES OR NO	OB 750-11	OB 510-11	OB 700-11	
	200	V-6	1 OR 2	YES OR NO	OB 750-11	OB 510-11	OB 700-11	
	225	V-6	1	N/A	OB 750-11	OB 510-11	OB 700-11	
	225	V-6	2	NO	OB 750-12	OB 510-12	OB 700-12	
	225	V-6	2	YES	OB 750-11	OB 510-11	OB 700-11	
	250	V-6	1	N/A	OB 750-11	OB 510-11	OB 700-11	
250	V-6	2	NO	OB 750-12	OB 510-12	OB 700-12		
SUZUKI	90	V-4	1 OR 2	NO	OB 750-11	OB 250-11	OB 700-11	115 & 140 REQUIRE KIT
	100	V-4	1 OR 2	NO	OB 751-11	OB 250-11	OB 700-11	
	115	4	1 OR 2	NO	N/A	OB 250-11	OB 700-11	
	140	4	1 OR 2	NO	N/A	OB 250-11	OB 700-11	
	150	V-6	1 OR 2	YES OR NO	OB 750-11	OB 510-11	OB 700-11	
	200	V-6	1 OR 2	YES OR NO	OB 750-11	OB 510-11	OB 700-11	
	225	V-6	1	N/A	OB 750-11	OB 510-11	OB 700-11	
	225	V-6	2	NO	OB 750-12	OB 510-12	OB 700-12	
YAMAHA	115	V-4	1 OR 2	NO	OB 750-11	OB 250-11	OB 700-11	
	130	V-4	1 OR 2	YES OR NO	OB 750-11	OB 250-11	OB 700-11	
	150	V-6	1 OR 2	YES OR NO	OB 750-11	OB 510-11	OB 700-11	
	175	V-6	1 OR 2	NO	OB 750-11	OB 510-11	OB 700-11	
	200	V-6	1 OR 2	YES OR NO	OB 750-11	OB 510-11	OB 700-11	
	225	V-6	1	N/A	OB 750-11	OB 510-11	OB 700-11	
	225	V-6	2	NO	OB 750-12	OB 510-12	OB 700-12	
	225	V-6	2	YES	OB 750-11	OB 510-11	OB 700-11	
	250	V-6	1	N/A	OB 750-11	OB 510-11	OB 700-11	
250	V-6	2	YES OR NO	OB 750-12	OB 510-12	OB 700-12		

\* MODEL YEAR 1995

\*\* NEW LOW PROFILE BASE MOUNT CYLINDER

3-Line (Pressurized) Outboard System Performance Data

System	Helm Displacement (cu.in.)	Helm Displacement (cu.cm.)	Number Steering Cylinders	Wheel Turns	Max. Torque (in./lbs.)*
OB 250-11	2.0	33	1	5.5	4500
OB 251-11	2.0	33	1	5.5	4500
OB 510-11	2.0	33	1	5.5	8550
OB 510-12	2.75	45	2	7.3	18900
OB 511-11	2.0	33	1	5.5	8500
OB 511-12	2.75	45	2	7.3	18900
OB 750-11	2.0	33	1	3.75	7000
OB 750-12	2.75	45	2	5.5	14000
OB 706-11	2.0	33	1	4.5	9300
OB 706-12	2.75	45	2	6.5	18600

\* Torque @ 60"