

Pontoonstuff.com “Quick Connect” Gauge panel Installation

- 1) Determine placement and carefully cut hole in Captain stand. Ensure proper clearance behind panel assembly (steering mechanism, stereo, cup holders, support braces, etc.)
- 2) Using the table below, rotate adjustment screw on back of tachometer to the correct number.
- 3) Install panel using #8 pan head screws. Please note that over-tightening will cause the panel corners to break.
- 4) Wires from the **Pontoonstuff.com “Quick Connect” Gauge panel** are connected directly to the existing outboard engine harness on your boat.
- 5) Your new Pontoonstuff.com “Quick Connect” Gauge panel comes with standard bullet connectors to connect to most outboard engine harnesses.
- 6) The wire functions are
 - a. Purple – Ignition power (switched battery + power)
 - b. Black - battery negative ground wire
 - c. Gray – tachometer signal
 - d. Brown w/white stripe – trim position

Current outboard engine wire colors are

Mercury

Purple – ignition power
Black – battery negative ground wire
Gray – tachometer signal
Brown w/white stripe – trim position

BRP

Purple – ignition power
Black – battery negative ground wire
Gray – tachometer signal
Brown w/white stripe – trim position

Yamaha

Xxxx – ignition power
Xxxx – battery negative ground wire
Xxxx – tachometer signal
Xxxx – trim position

Suzuki

Xxxx – ignition power
Xxxx – battery negative ground wire
Xxxx – tachometer signal
Xxxx – trim position

Make / Year	Model	# of Poles
Chrysler 1968 - 1983	35 HP, 70 HP & up	12
	55 & 60 HP	20
Force 1984 - 1999 Some older Force engines are 20 pole (see note f.)	50 HP through early 1987 (A,B models)	8
	35 HP (1986 & later)	12
	40 HP (1991 & later)	
	50 HP (1992 B models & later)	
	70 HP (1991 & later)	
90 - 120 HP L-Drive (1991 B & later)	12	
145 HP L-Drive (1991 & later)		
Honda Through 2008 Older tiller models require Honda jumper wire 32197-ZH8-003, BF 40/50 HP require 06383-ZV5-316 Tach Kit (thru 2005)	BF 75/100A, BF 8A, BF 9.9/15A HP	4
	BF 25/30, BF 75/90 HP	
	BF 40/50 (2006 and later)	
	BF 115 /130 HP	6
BF 135/150 HP, BF 200/225 HP		
	BF 35/45, BF 40/50 HP (thru 2005)	6
	BF 8D/9.9D, BF 15D/ 20D (Includes Power Thrust Models)	12
Mercury/Mariner 1977 - 2008 (See note "e") *Use Tach adapter #17461A9 Service #17461T9 **Use Tach adapter MM #17461A8 or A10 Service #56-883040A1 SmartCraft requires AGI converter for Analog Gauges.	18,25,48,60HP Mariner through 1983	4
	8, 9, 9, 15 and 25 HP (4 stroke)(after1998-2004)	
	Less than 40 HP - All Before 1999	6
	40 HP(serial # 582399 and before)	
	8, 9.9(Before 1999 and after 2005)& 50HP(4 stroke)	
	6 to 25 HP 1999 & up, *2002 & up	10
	25 HP & 30 HP (4 stroke)	12
40 HP (after serial # 582399)		
45 HP (1987), 50-60 HP (4 stroke EFI)		
50 HP & above, ** 75, 90,115 HP (4 stroke EFI)		
135, 150, 200, 225 HP, DI 3.0L EFI 225 & 250 HP Pro Max 3.0L 300 HP EFI		
Evinrude/Johnson 1977 - 2008 for 88 HP {90} & 112 HP {115} a voltage reg. kit is recommended. A System Check Tach or 2" gauge is required	9.9 HP -15 HP 4 stroke after 2001	6
	All 2 cylinders less than 70 HP	10
	9.9 HP & 15 HP (2 cylinder)(4 stroke)	12
	25-35 HP 3 CYL	
	40-50 HP, 2 cylinder (1993 & later)	
	60 HP, 3 cylinder (1985 & later)	12
70 HP & greater, including sea drives		
All FICHT models All E-Tech 40 HP - 250 HP		
Suzuki through 2008 A System Monitor Tach or 2" gauge is required	Less than 55 HP - All	4
	60 HP, 65 HP thru 1985	
	50 - 60 HP Cabrea	6
	DF 4 through 30 (4 stroke)	
	25 HP & 30 HP (1993 & later)	
	55 HP & 65 HP (1985 & later)	
75 HP & up (1985 & later)	12	
75 HP and up (Cabrea)		
115 HP and up (1988 & later)		
DF 40 through DF 250, DFV6 (4 stroke)		
Tohatsu / Nissan through 2008 (See note "e").	(2 strokes) 8 HP, 9.8, 9.9, 15, 18, 25, 30, 40C (all 2 cylinder)	4
	All TLDI 40 through 115	
	(2 strokes) M40D,40D2, 50D, 50D2, 70B and C, 90A (all 3 cylinder)	6
	(2 strokes) 115 HP, 120 HP, 140 HP (all 4 cyl.) (4 strokes) 8, 9.8, 9.9, 15, 18, 25 & 30 HP, EFI 25, 30	12
Yamaha 1984 - 2008 V8 four stroke will not support a conventional tachometer.	6 HP - 25 HP (2 cyl '84-'87), F/T 9.9 ('85-'91)	4
	C25 - C55 (2 cyl) Except C30 (2cyl '93-'97)	
	F/T 9.9 (MID '92 on), C30-C70 (3 cyl)	6
	C30 (2 cyl '93-'97), 25 HP (3 cyl),	
	25 HP (2 cyl, '88-'05)	
C/P/E 30-70, F15, F20	12	
F/T 25-F250, HPDI 150-300, 80-SX250		
F/T 9.9 (early '92), C75-C150, P75-P200		
V/V X 150-250, F15C/F20		

Notes:

a. 6000 RPM tachs are for Inboard & I/O gas engine applications only

b. 7000 RPM & 8000 RPM tachs are for all outboard motor applications only. 20 Pole Tachs are no longer available.

c. Electrical pulses per revolution are equal to 1/2 the number of alternator poles.

d. Older model outboards (prior to 1977) may have the tach signal wire originating at the ignition system though they are alternator equipped. All alternator tachometers may be used on these systems by disconnecting the tach signal wire at the engine and connecting that wire to the unrectified alternator signal at the rectifier. Be certain the number of alternator poles match the tachometer pole setting of the tach.

e. TOHATSU recommends, when using aftermarket tachs on TLDI engines, using indicator light kit part number 3Y9762510 and Harness 3T5710420. Strong alternator interference on some TOHATSU / NISSAN outboards and some pre 2001 Mercury 90HP outboards may require wiring a .1mf, 100 volt non-polarized capacitor between the signal and ground stud terminals.

f. Faria no longer makes a 20 pole tach.

7000 RPM Outboard Tach

OB ALT SWITCH SETTING
1 - 4 POLE
2 - 6 POLE
3 - 8 POLE
4 - 10 POLE
5 - 12 POLE
<u>SLIGHTLY DEPRESS WHILE TURNING</u>

6000 RPM w/12 Pole option

ENG. CYL. SWITCH SETTING
1 - 4 CYL
2 - 6 CYL
3 - 8 CYL
4 - 12 POLE OB ALT
<u>SLIGHTLY DEPRESS WHILE TURNING</u>