

Outboard Tachometer Applications

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)	
Honda Through 2011 Older tiller models require Honda jumper wire 32197-ZH8-003, BF 40/50 HP require 06383-ZV5-315 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)	12
Mercury/Mariner 1977 - 2011 (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)(after 1998-2004)	
	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)	10
	6 to 25 HP 1999 & up, *2002 & up	
	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	
Evinrude/Johnson 1977 - 2011 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)	
	70 HP & greater, including sea drives	
Suzuki through 2011 A System Monitor Tach or 2" gauge is required	All FICHT models	4
	All E-Tech 40 HP - 250 HP	
	Less than 55 HP - All, DT55, 2-Stroke Models	6
	60 HP, 65 HP thru 1985, DT 2-Stroke Models	
	50 - 60 HP Cabrea, DT 2-Stroke Models	12
	DF 2.5 through DF 15, DF 25 V(TWIN) 2006 & later (4 Stroke)	
	25 HP & 30 HP (1993 & later) DT 2-Stroke Models	
Tohatsu / Nissan through 2011 (See note "e").	55 HP & 65 HP (1985 & later) DT 2-Stroke Models	
	75 HP & up (1985 & later) DF 25 thru DF 30 (3 Cyl Models), (4 Stroke) DT 2-Stroke Models	12
	75 HP and up (Cabrea) DT 2-Stroke Models	
	115 HP and up (1988 & later), DT 2-Stroke Models	
	DF 40 through DF 250, (4 stroke) ALL	
	M40C or smaller 2 Cylinder, 2 Stroke Carbureted Models	4
	All TLDI (Direct Injected) Models D40 thru D115	
Yamaha 1984 - 2011 S250B and V8 four stroke will not support a conventional tachometer.	M40D thru M90A 3 Cylinder, 2 Stroke Carbureted Models	6
	4 Strokes 2 Cylinder Models F8/9.8	12
	M115 Thru M140 4 Cylinder, 2 Stroke Carbureted Models, 4 Stroke 2 Cylinder	
	F9.9 Thru 20, 4 Stroke	4
	3 Cylinder Models F25 Thru F30	
	6 HP - 25 HP (2 cyl '84-'87), F/T 9.9 ('85-'91)	6
	C25 - C55 (2 cyl) Except C30 (2cyl '93-'97)	
	F/T 9.9 (MID '92 on), C30-C70 (3 cyl)	12
	C30 (2 cyl '93-'97), 25 HP (3 cyl),	
	25 HP (2 cyl, '88-'05)	6
	C/P/E 30-70, F8, F15, F20	
	F/T 25-F250, HPDI 150-300, 80-SX250	12
	F/T 9.9 (early '92), C75-C150, P75-P200	
	V/VX 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 inductor 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
SLIGHTLY DEPRESS WHILE TURNING			

6000 RPM w/12 Pole option

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