

Outboard Tachometer Applications

Make / Year	Model	# of Poles
Chrysler 1968 - 1983	35 HP, 70 HP & up 55 & 60 HP	12 20
Force 1984 - 1999 Some older Force engines are 20 pole (see note f.)	50 HP through early 1987 (A,B models) 35 HP (1986 & later) 40 HP (1991 & later) 50 HP (1992 B models & later) 70 HP (1991 & later) 90 - 120 HP L-Drive (1991 B & later) 145 HP L-Drive (1991 & later)	8 12
Honda Through 2005 Older tiller models require Honda jumper wire 32197-ZH8-003, BF 40/50 HP require 06383-ZV5-316 Tach Kit	BF-75/100A, BF 8A, BF 9.9/15A HP BF-25/30, BF 75/90 HP BF-115 /130 HP, BF 200/225 HP BF-135/150 BF-35/45, BF 40/50 HP BF-8D/9.9D BF 15D/ 20D (Includes Power Thrust Models)	4 6 12
Mercury/Mariner 1977 - 2005 (See note "e") *Use Tach adapter #17461A9 Service #17461T9 **Use Tach adapter MM #17461A8 or A10 Service #56-883040A1	18,25,48,60HP Mariner through 1983 8, 9.9, 15 and 25 HP (4 stroke)(after 1998-2004) Less than 40 HP - All Before 1999 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 25 HP & 30 HP (4 stroke) 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	4 6 10 12
Evinrude/Johnson 1977 - 2005 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 All 2 cylinders less than 70 HP 9.9 HP & 15 HP (2 cylinder) (4 stroke) 25-35 HP 3 CYL 40-50 HP, 2 cylinder (1993 & later) 60 HP, 3 cylinder (1985 & later) 70 HP & greater, including sea drives All FICHT models	6 10 12
Suzuki through 2005 A System Monitor Tach or 2" gauge is required	Less than 55 HP - All 60 HP, 65 HP thru 1985 50 - 60 HP Cabrea DF 4 through 30 (4 stroke) 25 HP & 30 HP (1993 & later) 55 HP & 65 HP (1985 & later) 75 HP & up (1985 & later) 75 HP and up (Cabrea) 115 HP and up (1988 & later) DF 40 through DF 250, DFV6 (4 stroke)	4 6 12
Tohatsu / Nissan through 2005 (See note "e").	(2 strokes) 8 HP, 9.8, 9.9, 15, 18, 25, 30, 40C (all 2 cylinder) (2 strokes) M40D,40D2, 50D, 50D2, 70D and C, 90A (all 3 cylinder) (2 strokes) 115 HP, 120 HP, 140 HP (all 4 cyl.) (4 strokes) 8, 9.8, 9.9, 15, 18, 25 & 30 HP	4 6 12
Yamaha 1984 - 2005	6 HP - 25 HP (2 cyl '84-'87), F/T 9.9 ('85-'91) C25 - C55 (2 cyl) Except C30 (2cyl '93-'97) F/T 9.9 (MID '92 on), C30-C70 (3 cyl) C30 (2 cyl '93-'97), 25 HP (3 cyl), 25 HP (2 cyl '88-'01) 30HP-70HP, 50EJ, 50-70, F15 F/T 25-F225, HPDI 150-300, 80-SX250 F/T 9.9 (early '92), C75-C150, P75, F30-250 V/VX 150-250, VZ 225-300, 90-300	4 6 12

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.