

TABLE 1 ENGINE PPR SELECTION GUIDE

Gas Outboard	
Engine Make/Model	Pulses / Alternator Poles (ppr = 1/2 poles)
1. Chrysler	
35Hp, 70Hp & up	12
55 Hp & 60 Hp	20
2. Evinrude/Johnson	
9.2Hp - 15 Hp 4 stroke after 2001	6
All 2 cylinders less than 70Hp	10
9.9HP & 15HP (2 cylinder) (4 stroke), 25-35HP 3CYL, 40-50HP, 2 cylinder (1993 and later)	12
60HP, 3 cyl 1985 and later, 70HP & greater, inc. sea drive, All FICHT models, All E-Tech 40HP - 250HP	12
3. Force	
50Hp through early 1987 (A,B modes)	8
35Hp (1986 & later), 40Hp (1991 & later), 50 Hp (1992 B models & later)	12
70Hp (1991 & Later), 90-120 Hp L-Drive (1991 B & later), 145 Hp L-Drive (1991 & later)	12
50Hp (1987 C thru 1992 A), 90-120 Hp (Before 1991 B), 85-125Hp L-Drive (1989)	20
4. Honda	
8,9,9, 15 Hp require Honda Harness	4
BF 75/100A, BF 25/30, BF 75/90, BF 40/50 (2006 & later), BF 115/130HP, BF 135/150HP, BF 200/225HP	4
BF 35/45, BF 40/50 HP (thru 2005)	6
BF 8D, 9.9D, BF 15D/20D - includes Power Thrust Models	12
5. Mercury/Mariner	
Less than 40Hp, 48, 60Hp Mariner (40Hp serial # 582399 and older)	4
8.9.9 & 50Hp (4 stroke), 40Hp (after serial # 582399), 45Hp (1987), 50Hp and above	12
135Hp,150Hp,200Hp,225Hp, DI, 3.OL, EFI 225 & 250Hp, Pro Max 3.OL 300Hp EFI	12
6. OMC	
All 2 cylinders less than 70Hp	10
9.9Hp & 15Hp (2 Cyl, 4 stroke), 50Hp, 2 Cyl (1993 & later), 60Hp, 3 Cyl (1985 & later)	12
70Hp & greater, including sea drives, All FICHT models	12
7. Suzuki	
Less than 55HP (All), 60Hp, 65Hp, (through 1985), 50-60Hp Cabrea	4
9.9Hp & 15Hp (4 Stroke), 25Hp & 30Hp, (1993 and later), 55Hp & 65Hp (1985 and later)	6
75Hp & up (1985 & later), 75Hp and up (Cabrea), 115Hp and up (1988 & later)	12
8. Tohatsu/Nissan	
8Hp through M40C (all 2 Cylinder)	4
M40D through M90A (all 3 cylinder)	6
115Hp, 120Hp, 140Hp (all 4 cylinder)	12
9. Yamaha	
6Hp-25Hp (2 cylinder),C25-C40 (Except C30)	4
F/T 9.9, C30 & C60, 25 U2 (3 cylinder), 30Hp, 40Hp, 50EJ, 50T-70	6
F/T 50, P75, C75-C150, 90-250	12

Diesel	
Engine Make/Model	Pulses
1. Caterpillar	
3208, D334, D336, D346, D348, D398, D399	8
3126B	*12
3176, 3196, 3406, 3408, 3412	*113
3056, 3116, 3126	*126
3306	*132
3512, 3516	*183
2. Cummins	
555 Series	*8
"B" Series	*159
"C" Series	*127
KTA19M3, MTA855	*142
KT1150M	*118
3. Detroit	
DDEC Series	12
53, 71, 92 Series	8
<i>Note# 1: Cam drive is twice crankshaft speed</i>	
<i>Note #2: Turbo 71 (2 1/2% slower than crankshaft)</i>	
<i>Note #3: Turbo 92 (2 1/2% faster than crankshaft)</i>	
8.2 Liter	*126
4V-71	*102
8V & 12V 71, 8V & 12V 92	*118
4. EMD	
All Mechanical Senders	8
All Flywheel Sensors	265
5. Hino	
All	8
6. John Deere	
"Older" Mechanical Senders	8
Flywheel	*129
Timing Gear	*24 or *27
7. Ford Lehman	
	8
8. Lugar	
	*148
9. Man	
Inline & Vee Engines	8
826	*143
2840, 2842, 2848, 2866, 2886	*160
10. MTU	
	8
11. Perkins	
1980 & Earlier, 4-236, 6-354, 4-107, 4-108, M-800-TI	8
M-135, M-225 TI, M-300 TI	*126
M-30	*96
12. Volvo	
70, 100, 120 A&B	8
3, 17	*28
30, 40, 42, 43	*33
60	*28
61 & Up, 71 & Up, 100C & Up, 102, 121C & Up, 122	*30
13. Yanmar	
1GM-30, 2GM-20/30, 3GM30, 3QM30	*97
2QM-15, 3HM-35	*114
6LPSTE	*117
2QM20, 3QM	*126
4JH, 4LH, 6LHA-DTE	*127
6CXM, 6LY	*129
14. Diesel Engines with ECM	
	12

If your tach is not listed contact Aetna at 1.800.776.7962

* Indicates gear teeth

