

Models Covered In This Manual

This manual covers service information on the following *Evinrude MFE 30* models:

- 35.1 cubic inch (.57 L), 2-Cylinder, starting with serial number 5442808.

Model Number	Start	Shaft	Drive
E30MRLAFA	Rope	20"	Propeller
B30MRLAFA	Rope	20"	Propeller
E30MALAFA	Rope	20"	Propeller

Identifying Model and Serial Numbers

Model and serial numbers are located on the swivel bracket and on the powerhead.



1. Model and serial number

007445



1. Serial number

007446

Service Specifications

		30 MFE Models
ENGINE	Full Throttle Operating Range RPM	30 HP – 5500 to 6100 RPM
	Power	30 HP (22.1 kw) @ 5800 RPM
	Idle RPM in Gear	750 ± 50 EMM Controlled
	Idle RPM in Neutral	700 ± 50 EMM Controlled
	Weight (may vary depending on model)	(MRL) Models: 160.5 lbs. (72.8 kg)
	Lubrication	<i>Evinrude XD100</i>
	Engine Type	In-line, 2 Cylinder, Two-Cycle
	Displacement	35.1 cu. in. (575 cc)
	Bore	2.992 in (76 mm)
	Stroke	2.500 in. (63.50 mm)
	Standard Bore	2.9916 to 2.9931 in. (75.989 to 76.026 mm) To bore oversize, add piston oversize dimension to standard bore
	Top Crankshaft Journal	1.6235 to 1.6245 in. (41.237 to 41.262 mm)
	Center Crankshaft Journal	1.7461 to 1.7470 in. (44.350 to 44.375 mm)
	Bottom Crankshaft Journal	2.0450 to 2.0459 in. (51.942 to 51.967 mm)
	Rod Crankpin	1.1815 to 1.1817 in. (30.011 to 30.016 mm)
Piston Ring End Gap, Both	0.011 to 0.019 in. (0.30 to 0.50 mm)	
FUEL	Fuel/Oil Control	EMM Controlled
	Starting Enrichment	EMM Controlled
	Minimum (High) Fuel Pressure	28 to 32 psi (193 to 220 kPa)
	Minimum Fuel Lift Pump Pressure	2 psi (14 kPa)
	Maximum Fuel Inlet Vacuum	4 in. Hg.
	Heavy Fuels	JP5, JP8, Jet A, Kerosene
	Gasoline Based Fuels	Gasoline, Gasohol, 87AKI (R+M)/2 or 90 RON minimum
	Emergency Fuel	Diesel DFM-F76, BioDiesel IMPORTANT: If outboard must be run on diesel, afterwards it should then be run on gasoline to clean internal components. See Fuel Requirements on p. 41 for additional information
Additives	2+4 [®] Fuel Conditioner, Fuel System Cleaner Use of other additives may result in engine damage.	