

Specified tightening torque

Specified tightening torques are provided for specific nuts, bolts, and screws. When tightening these fasteners, follow the tightening torque specifications indicated throughout the manual to meet the design aims of the outboard motor.

Power unit

Part to be tightened		Screw size	Tightening torques		
			N·m	kgf·m	ft·lb
Spark plug		—	28	2.8	20.7
Power unit mounting bolts	1st	M10	42	4.2	31.0
	2nd		42	4.2	31.0
Cylinder head bolt	1st	M11	39	3.9	28.8
	2nd		180°		
	1st	M8	14	1.4	10.3
	2nd		28	2.8	20.7
Oil pump cover screw		M6	4	0.4	3.0
Oil cooler bolt	1st	M6	6	0.6	4.4
	2nd		12	1.2	8.9
Bracket bolt		M6	12	1.2	8.9
Oil filter union bolt		UNF	49	4.9	36.1
Oil pressure sensor		—	13	1.3	9.6

Ttr 90 Engine Torque Specs

IEEE Industry Applications Society

A red circular graphic with a gradient, appearing as a stylized arrow or a partial circle, located to the right of the IEEE Industry Applications Society text.

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Conference Record, Industry Applications Society, IEEE-IAS ... Annual Meeting IEEE Industry Applications Society, 1982

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