

Crankshaft, piston and connecting rod

Engine torque values chart

Fastener	P90		P92	
	in lbs	Nm	in lbs	Nm
Blower housing studs	80 - 106	9 - 12	80 - 106	9 - 12
Blower housing nuts	62 - 80	7 - 9	62 - 80	7 - 9
Breather cover	53 - 71	6 - 8	53 - 71	6 - 8
Carburetor bowl	53 - 71	6 - 8	53 - 71	6 - 8
Carburetor drain bolt	53 - 71	6 - 8	53 - 71	6 - 8
Carburetor mounting nuts	49 - 80	5.5 - 9	62 - 80	7 - 9
Connecting rod cap bolts	177 - 212*	20 - 24	177 - 212*	20 - 24
Drain plug	106 - 124	12 - 14	115 - 133	13 - 15
Flywheel nut	74 - 85 ft-lbs	100 - 115	74 - 85 ft-lbs	100 - 115
Head bolt	41-44ftlbsstep	55 - 60 step	41-44ftlbsstep	55 - 60 step
Module	80-106	9 - 12	80-106	9 - 12
Exhaust manifold at head	266 - 310	30 - 35	N/A	N/A
Exhaust manifold at muffler	177 - 212	20 - 24	N/A	N/A
Rocker jam nut	80-106	9 - 12	80-106	9 - 12
Rocker stud	195 - 221	22 - 25	195 - 221	22 - 25
Spark plug	177 - 212	20 - 24	177 - 212	20 - 24
Starter (recoil)	80-106	9 - 12	N/A	N/A
Starter (electric)	195 - 221	22 - 25	195 - 221	22 - 25
Sump bolts	195 - 221	22 - 25	195 - 221	22 - 25
Valve cover	62 - 80	7 - 9	62 - 80	7 - 9

NOTE: * - apply a small amount of releasable thread locking compound such as Loctite® 242 (blue).