



FE290-400 SPECIFICATIONS & TORQUE VALUES

Call Porcellato Engineering for additional info.

Direct 604.526.7964 or Text 604.418.5682

TORQUE SPECIFICATIONS

ITEM	SIZE	VALUE		
Cylinder Head Bolts	M8	17.5ft-lb	220in-lb	24Nm
Valve Clearance Adjusting Nuts	M5	7.5ft-lb	90in-lb	10Nm
Connecting Rod Bolts 290 (Oiled Threads)	M7	16.5ft-lb	198in-lb	23Nm
Connecting Rod Bolts 350/400 (Oiled Threads)	M7	16.5ft-lb	198in-lb	23Nm
Flywheel Retaining Nut 290	M16	63ft-lb		85.4Nm
Flywheel Retaining Nut 350/400	M18	100ft-lb		136Nm
Crankcase Cover Bolts	M8	21ft-lb	250in-lb	28.2Nm
Oil Pump Cover Bolts	M5	7ft-lb	84in-lb	9.5Nm
Oil Screen Cover Bolts	M5	2.5ft-lb	30in-lb	3.4Nm
Oil Level Sensor	M6	4.1ft-lb	50in-lb	5.9nm
Ignition Coil Bolts	M5	2.5ft-lb	30in-lb	3.4Nm
Counter Balance Guide Shaft Nuts	M6	4.1ft-lb	50in-lb	5.9Nm
Spark Plug	M14	20ft-lb	240in-lb	27.12Nm

CYLINDER BORE SPECIFICATIONS

ENGINE	OVERSIZE	LIMITS
FE290 Std bore 3.07	.010"	3.08"
	.020"	3.09"
FE350 Std bore 3.267	.020"	3.287"
FE400 Std bore 3.4278	(Contact us for oversize pistons)	

ITEM	SERVICE LIMIT
Camshaft Axial Play (290)	.014"
Camshaft Axial Play (350)	.014"
Camshaft Axial Play (400)	.024"
Crankshaft Axial Play (290)	.014"
Crankshaft Axial Play (350)	.014"
Crankshaft Axial Play (400)	.014"

NOTES
