

TAM QUICK ENGINE SPECIFICATION

specs_con_f163.xlsx

Continental F163				
162 CU. IN.				
BORE	STROKE	FIRING ORDER	MAIN JOURNAL	ROD JOURNAL
3.4375	4.375	1-3-4-2	2.3754	2.0627
DISTRIBUTOR GAP	SPARK PLUG GAP	SPARK PLUG TYPE	IGN.TIMING	OIL CAPACITY WITH FILTER
0.02	0.025	L14-U	TDC @ 600	4.5 U.S.qts.
		TORQUE VALUES		
		FT. LB.		
Flywheels: 5/16"(20-25), 3/8"(35-40), 7/16"(70-75), 1/2"(85-95), 9/16"(100-110), 5/8"(145-155)				
Cylinder heads: 3/8"(35-40), 7/16"(70-75), 1/2"(100-110), 9/16"(130-140), 5/8"(145-155)				
Manifolds: 5/16"(15-20), 3/8"(25-30), 7/16"(40-50), 1/2"(50-60), 9/16"(50-60), 5/8"(60-70)				
Covers, W/pumps, End plates: 5/16"(15-20), 3/8"(25-30), 7/16"(50-55), 1/2"(80-90)				
Oil pans: 5/16"(12-16), 3/8"(12-16)				
Flywheel Housings: 5/16"(15-20), 3/8"(25-30), 7/16"(50-55), 1/2"(80-90), 9/16"(115-125)				
Cam nuts, C.I. Shafts: 3/4"(65-70), 7/8"(70-80), 1"(95-100), 1 1/8"(125-130), 1 1/4"(145-150)				
Cam nuts, Forged steel shafts: 7/8"(120-125), 1"(175-180)				
Elastic stop nut with C.I.: Or forged steel shafts: 7/8"(65-70)				
		PISTON		
Pin diameter	.8591-.8593		Cyl.bore clearance	0.003
		RINGS		
Ring gap-Top	.008-.018		Side clearance Top	.002-.004
Ring gap-2nd	.008-.018		Side clearance 2nd	.0025-.004
Ring gap-Oil	.010-.030		Side clearance Oil	.0025-.0075
		CRANKSHAFT		
Main journal dia.	2.3744-2.3754		Rod journal dia.	2.0619-2.0627
Main run clearance	.0007-.0028		Rod run clearance	.0006-.0022
End play	.002-.006			
		CAMSHAFT		
No.1 journal dia.	1.8715-1.8725		End play	.005-.009
No.2 journal dia.	1.7455-1.7465			
No.3 journal dia.	1.2465-1.2475			
		VALVES		
Intake length			Exhaust length	
Intake stem dia.	.3406-.3414		Exhaust stem dia.	.3377-.3385
Intake head dia.			Exhaust head dia.	
Intake face angle	45 deg.		Exhaust face angle	45 deg.
Intake clearance	.012 hot		Exhaust clearance	.020 hot