Specifications - CONTINENTAL - F227

Basic Engine Values

Make:	CONTINENTAL	Engine Cylinders:	6
Engine Model:	F227	Engine Displacement CID:	226
Litre:	4	Firing Order:	1-5-3-6-2-4
Engine Displacement CC:	3703	Stroke:	3.375
Bore:	3.313	Spark Plug Type:	L14-U
Oil Capacity w/Filter:	5.5 U.S. qts	Oil Pressure:	
Compression Ratio:	7.28	Engine Compression:	140 PSI
Spark Plug Gap:	.023-.028	Distributor Gap:	0.02
Point Gap:	.017-.022	Idle RPM:	550 RPM
Ignition Timing Idle Speed:	TDC @ 600		

Torque Values

Location	Ft Lbs.	Location	Ft Lbs.
Main Bearing Caps:	85-95	Oil Pan Drain Plug:	
Rod Bearing Caps:	40-45	Oil Pump Bolt:	
Cylinder Head Bolts:	40	Rocker Arm Nut:	
Cam Sprocket Bolt:		Rocker Shaft Bracket Bolt:	
Crank Pulley Bolt:		Timing Cover:	
Flywheel Bolt:	"5/16""(20-25)	Spark Plug:	3/8""(35-40)
Flywheel Housing:	7/16""(70-75)	Water Outlet Bolt:	1/2""(85-95)
Mainfold Bolt & Nut:	9/16""(100-110)	Water Pump Bolt:	5/8""(145-155)"
Oil Pan Bolt:		Water Pump Pulley Bolt:	"5/16""(15-20)

Piston

Piston Diameter:	3/8""(25-30)	Cylinder Bore Clearance:	7/16""(50-55)
Piston Pin Diameter:	1/2""(80-90)	Piston Sleeve Clearance:	9/16""(115-125)"
Piston Pin Hole Bore:			

Rings

Ring Gap-Top:	"5/16""(15-20)	Side Clearance Top:	3/8""(25-30)
Ring Gap-2nd:	7/16""(40-50)	Side Clearance 2nd:	1/2""(50-60)
Ring Gap-3rd:	9/16""(50-60)	Side Clearance 3rd:	5/8""(60-70)"
Ring Gap-4th:		Side Clearance 4th:	"5/16""(12-16)
Ring Gap-5th:	3/8""(12-16)"	Side Clearance 5th:	
Ring Gap-Oil:		Side Clearance Oil:	0.003

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Crankshaft

Main Journal Diameter:	.8591-.8593	Rod Journal Diameter:	
Main Run Clearance:		Rod Run Clearance:	.008-.018
Front Main Journal Diameter:	.002-.004	Thrust Washer Thickness:	.008-.015
Front Interior Diameter:	.0025-.004	Thrust Bearing Thickness:	
Center Diameter:	.0025-.0075	End Play:	
Rear Interior Diameter:		Rear Main Journal Diameter:	

CamShaft

1st Journal Diameter:		Cam Front Bushing ID:	.010-.030
2nd Journal Diameter:		Cam Center Bushing ID:	2.3744-2.3752
3rd Journal Diameter:	2.0619-2.0627	Cam Rear Bushing ID:	.0007-.0028
4th Journal Diameter:	.0006-.0022	Cam Lift Intake:	
5th Journal Diameter:		Cam Lift Exhaust:	
Journal End Play:		Cam End Play:	

Valves

Intake Length:	.002-.006	Exhaust Length:	
Intake Stem Diameter:		Exhaust Stem Diameter:	1.8715-1.8725
Intake Head Diameter:		Exhaust Head Diameter:	1.8085-1.8095
Intake Face Angle:		Exhaust Face Angle:	1.7457-1.7465
Intake Clearance:		Exhaust Clearance:	1.2465-1.2475 ,,,,,.005-.009 ,,,.3406-.3414,.3377-.3385,,,45 Deg,45 Deg,.012 HOT ,.020 HOT

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