



Engine Build Sheet

Customer Name	
Bike model	FLSTF 2000
Date	17-11-2024
Engine VIN	GJYY054836
Crankshaft	
Manuf./PN	S&S 320-0354
Stroke	4.375"
Conn. Rod	S&S full width
Drive side bearing type	Tinken
Welded pin	No
Pinion runout	.0011"
Dynamic balance	No
Balance Factor	-----
Cam Chest	
Cam plate manuf. / PN	S&S 310-0623
Oil pump manuf. / PN	S&S 310-0641
Pressure relief valve test	50 Psi
Camshaft	
Manuf. / PN	S&S 585 330-0005
Intake dur @.053	245°
Exhaust dur @.053	260°
Intake lift	.585"
Exhaust lift	.585"
Intake open	20°
Intake close	45°
Exhaust open	60°
Exhaust close	20°
TDC lift	.186" / .176"
Overlap	40°
Compression	
Chamber vol.	86 cc
Piston dome vol	2.48 cc
Ring land vol	-.77 cc
Deck height negative if piston is above cyl.	.000"
Head gasket manuf. / PN	C10083-036
Head gasket thicness	.036"
Head gasket bore	3.955"
Static comp ratio	10.54:1
Corrected comp ratio	9.49:1

Engine info	
Model	Twin Cam B
Cubic inch	107
Bore	3.937"
Stroke	4.375"
Cylinders	
Manuf. / PN	Daytona / JTM
Bore size	3.937"
Lenght	4.938"
Pistons	
Manuf. / PN	CP-Carillo BHM107-6
Piston to cyl. clear	.0025"
Compression hight	1.085"
Dome hight	.037" (Milled down .078")
Dome/dish vol	2.48 cc
Top land vol	-.77 cc
Weigt total	524 g
Top ring end gap	.018"
2nd ring end gap	.020"
Top ring Manuf. / PN	MALE RS1MG660-3937THG
2nd ring Manuf. / PN	MALE RS1MG660-3937THG
Oil ring Manuf. / PN	MALE RS1MG660-3937THG
Valve train	
Rocker arm manuf./PN	H-D Stock
Rocker arm ratio	1.625 : 1
Pushrod manuf./PN	S&S 93-5059
Lifter manuf./PN	DCV-61-058
Cylinder heads	
Manuf. / PN	H-D 99-05 JTM CNC 1.9
Chamber vol	86 cc
Surface deck	.047"
Intake valve Manuf./PN	KPMI 20-20940
Exhaust valve Manuf./PN	KPMI 20-20326R
Intake valve size	1.900"- 7 mm
Exhaust valve size	1.630"- 7 mm
Intake guide type	KPMI Cast
Exhaust guide type	KPMI Cast
Valve spring Manuf./PN	H-D 18242-02 OEM '05-up
Valve spring Install height	1.814"
Coil bind height	1.120"
Seat pressure	140 Lbs
Intake shim thicness	2 x .022"
Exhaust shim thicness	2 x .022"
Max setup lift	.600"
Intake runner dia	1.790"

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