

ENGINE DATA SHEET

Exact component measurements and clearances are critical in order to build a reliable, powerful engine. Use this form to record component sizes and clearances so your project is a success.

	PISTON-TO-WALL CLEARANCE							
CYLINDER #	1	2	3	4	5	6	7	8
BORE DIAMETER								
PISTON DIAMETER								
CLEARANCE								

	PISTON-TO-HEAD CLEARANCE							
CYLINDER #	1	2	3	4	5	6	7	8
HEAD GASKET THICKNESS								
PISTON DECK HEIGHT								
TOTAL CLEARANCE								

	PISTON DOME VOLUME							
VALVE RELIEF DEPTH								
INTAKE VALVE								
EXHAUST VALVE								

	MAIN BEARING CLEARANCE				
JOURNAL #	1	2	3	4	5
BEARING ID					
JOURNAL OD					
CLEARANCE					



FASTENER TORQUE: INNER: OUTER:

	ROD BEARING CLEARANCE							
JOURNAL #	1	2	3	4	5	6	7	8
BEARING ID								
JOURNAL OD								
CLEARANCE								

CRANKSHAFT STROKE								
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THRUST CLEARANCE:

		PISTON RINGS							
CYLINDER #		1	2	3	4	5	6	7	8
END GAP	TOP								
	SECOND								
	OIL								
		SIDE CLEARANCE							
	TOP								
	SECOND								
	OIL								
		CONNECTING RODS							
ROD #		1	2	3	4	5	6	7	8
WRIST PIN OD									
SMALL END ID									
CLEARANCE									

FASTENER TORQUE: _____

ROD #	1+2	3+4	5+6	7+8
SIDE CLEARANCE				

		VALVE SPRINGS															
CYLINDER#		1		2		3		4		5		6		7		8	
VALVE		IN	EX	IN	EX	IN	EX	IN	EX	IN	EX	IN	EX	IN	EX	IN	EX
INSTALLED HEIGHT																	
SHIM																	
SEAT PRESSURE																	
OPEN PRESSURE																	
COIL BIND																	
PISTON-TO-VALVE																	
CLEARANCE																	

CAMSHAFT

GRIND NUMBER:_____ DURATION @ 0.050": _____ LOBE CENTER: _____

INSTALLED @ INTAKE CENTERLINE: _____ LOBE LIFT: _____

ROCKER ARM RATIO:_____ THEORETICAL LIFT: _____ ACTUAL LIFT: _____

VALVE LASH INTAKE: _____ EXHAUST: _____ HEAD FASTENER TORQUE: _____