

ENGINE BEARING FIT-UP FORM

ENGINE NO. Derek Davis DATE _____ TECH _____

MAIN BEARING MFG. AND PART NO. King MB 5013XP

MAIN CAP FASTENER TORQUE Innce 15lbs 80° Outec 15lbs 53° SDC 18/1 LUBE ALP

MAIN NO.	1	2	3	4	5
BEARING ID.					
SHAFT OD.	2.5587	2.5586	2.5585	2.5586	2.5586
CLEARANCE	.0026	.0028	.0027	.0026	.0026
SHELL THK.					

ROD BEARING MFG. AND PART NO. Clevite CB 663-HN

ROD CAP FASTENER TORQUE 75lbs LUBE EPI

ROD NO.	1	2	3	4
BEARING ID.				
SHAFT OD.	2.0995	2.0995	2.0993	2.0993
VERT CLNCE.	.0025	.0025	.0027	.0028
40\40 CLNCE.				
SHELL THK.				

ROD NO.	5	6	7	8
BEARING ID.				
SHAFT OD.	2.0993	2.0993	2.0994	2.0994
VERT CLNCE	.0025	.0028	.0026	.0026
40\40 CLNCE.				

Engine: *LS*
Tick Performance
 Grind # : *TP238-360-254-355-114*
 Core : *315647*

Lobe size bc/ht IN: EX:

Enter (2) : 2

Camshaft Data= 3 CRNK DEG
 DURATION AT .05 IN
 INTAKE - Rocker Ratio= 1.7
 Lash 23 24 25 *Hyd* IN
 EXHAUST - Rocker Ratio= 1.7
 Lash 23 24 25 *Hyd* IN

INSTALL CAM ON * * below Cyl# 1

Intake & Exhaust
 LOBE SEPERATION = 114.1 CAM DEG
 valve overlap= 18 CRANK DEG

INTAKE
 valve open = 9.3 'BTDC
 * CENTERLINE---> 111.1 'ATDC
 valve close= 49.2 'ABDC
 DURATION-----> 238.4 CRANK DEG
 lobe lift= .36051 IN.
 VALVE LIFT---> .61287 IN.
 lobe area= 29.78 IN * DEG

EXHAUST
 valve open = 65.4 'BBDC
 * CENTERLINE---> 117.1 'BTDC
 valve close= 8.7 'ATDC
 DURATION-----> 254.1 CRANK DEG
 lobe lift= .35571 IN.
 VALVE LIFT---> .6047 IN.
 lobe area= 31.52 IN * DEG

Engine No: Derek Davis

Date: _____

Assembled by: _____

Rings:

Manufacture and Part No.: Wiseco 4032 GFY

End Clearance, Tops: .018 2D .022 Oil .019

Vertical Clnce., Top: _____ 2D _____

Top Ring Chamber: _____ Compressed Cup: _____

Ring Drag, Top: _____ 2D _____ Oil _____

Notes: _____

Rings Fit By: _____

Crankshaft:

Manufacture and Part No.: K1 4" Stroke

Stroke: 1 _____ 2 _____ 3 _____ 4 _____

Run-Out: _____ Thrust: .005 Blk Clnce.: _____

Pistons:

Manufacture and Job No.: Wiseco K464X3

In. Pocker Dia.: _____ In. Pocker Dpth.: _____

Ex. Pocker Dia.: _____ Ex Pocker Dpth.: _____

Bore Clnce.: _____ Pin Dia.: .0927 Pin Clnce.: _____

Piston Pin Clnce.: _____ Rod Pin Clnce.: _____

Notes: _____

Pins Fit by: _____

Engine No: DEREK DAVIS

Date: _____

Assembled By: _____

Block: _____

Finished Bore Size	1 _____	3 _____	5 _____	7 _____
	2 _____	4 _____	6 _____	8 _____

Cylinder Wall Finish _____ Plates: _____

Honed By: _____ Gasket: _____

Deck Clearance	1 <u>+4</u>	3 <u>+3</u>	5 <u>+5</u>	7 <u>+5</u>
	2 <u>+6</u>	4 <u>+5</u>	6 <u>+6</u>	8 <u>+6</u>

Head Fastner Torque _____ Lube _____

Deck Checked by: _____

Camshaft:

Manufacture and Grind No.: TP 238-360-254-355-114

Core Type: 315647 Lifter Type: Hyd

Cam Drive Thrust: _____ Cam Serial #: _____

Timing:

In Open @ .050 8 Ex Open @ .050 244.5

In Close @ .050 230 Ex Close @ .050 10

In C/L @ .050 111 Ex C/L @ .050 117.25

L/C 114.125

In Duration 238 Ex Duration 254.5

Lobe Lift In. 360 Lobe Lift Ex. 355

Valve/Piston Clnce In Lash _____ Ex Lash _____

I _____ E _____ I _____ E _____ I _____ E _____ I _____

I _____ E _____ I _____ E _____ I _____ E _____ I _____

Notes: Push Rods 7.325

Degreed and Checked by: _____

Piston Kit Specifications

Date: 10/06/2015

Kit #: K464X3

Piston(s) #: 6464LX3
 6464RX3

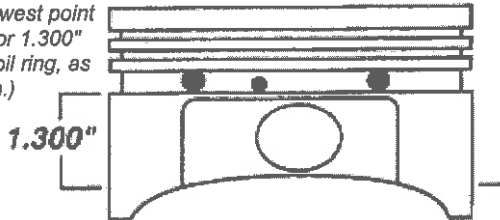
General Information

Comp Height: 1.110

Bore Size: 4.0300

Suggested Clearance: 0.0035

(Measured at lowest point of piston skirt, or 1.300" from bottom of oil ring, as shown in sketch.)



Rings

Oil Rail Support #: GLS25

Ring Set #: 4032GFX

	Land Thick	Grv Width	Grv Root Dia
Top Ring	.2950	.0490	3.651
Second Ring	.1600	.0490	3.639
Third Ring	.0800	.1498	3.640

Piston Pins / Retainer Clips

Replacement Piston Pin #: S643

Diameter: 0.9270

Length: 2.2500

Replacement Retainer Clip #: CS24

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Installation of these parts voids manufacturer's warranty.



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DYNOJET Performance Evaluation Program

DYNOJET RESEARCH

JR RACING - 206B KERNS AVE, GREENVILLE, SC - 864-552-1988

CF: SAE Smoothing: 5

