

Merryman Modifications ENGINE REBUILD

CUSTOMER NAME: _____

DATE: 8/27/04 TYPE: J Series YEAR: _____ DISCPLAC: 1275

BLOCK:

Cooked	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Line Bored	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No		
Bored	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
Pistons	<u>CAJ 3378-40</u>	Size	<input checked="" type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
	<u>1.5</u>	Clearance		
	<u>AE</u>	Make		
Rings	<u>014</u>	Gap	<input checked="" type="checkbox"/> Replaced	
Freeze Plugs			<input checked="" type="checkbox"/> Replaced	

CRANKSHAFT:

Rod Big Size	<u>010</u>	<input type="checkbox"/> Replaced	<input checked="" type="checkbox"/> Reworked
Main Big Size	<u>010</u>	<input checked="" type="checkbox"/> Replaced	
End Play	<u>.002</u>	Twashers	<input checked="" type="checkbox"/> Replaced

RODS:

Bolts	<input checked="" type="checkbox"/> Replaced	<input checked="" type="checkbox"/> Reworked
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CAMSHAFT

Clearance: Int	<u>018 H</u>	Exh	<u>020 H</u>	<input checked="" type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
Grind	<u>SPVP5-SN</u>				
Brgs:				<input checked="" type="checkbox"/> Replaced	

LIFTERS

OIL PUMP	<input checked="" type="checkbox"/> Replaced <i>Composit</i>	<input type="checkbox"/> Reworked
PILOT BRG.	<input type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
TIMING CHAIN	<input checked="" type="checkbox"/> Replaced <i>(R.H.)</i>	<input type="checkbox"/> Reworked
TENSIONER	<input type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
HD GASKET SET	<input checked="" type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
CONV SET	<input checked="" type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
FRT SEAL	<input checked="" type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
REAR SEAL	<input type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
PRESSURE RELIEF VALVE	<input checked="" type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
PRESSURE RELIEF SPRING	<input checked="" type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
FLYWHEEL	<input checked="" type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
RING GEAR	<input checked="" type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
WATER PUMP	<input checked="" type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
FAN BELT	<input type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
THERMOSTAT	<input checked="" type="checkbox"/> Replaced <i>Blank P.</i>	<input type="checkbox"/> Reworked
CLUTCH DISC	<input checked="" type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
PRESSURE PLATE	<input checked="" type="checkbox"/> Replaced	<input type="checkbox"/> Reworked

TOP END:

- | | | |
|--------------------------------------|---|--|
| Valve Job | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Valve Springs | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Adjusted Pressure | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Guides Replaced | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Guides Knurled | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Stem Seals | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Valves Replaced: | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Int <u>4</u> Exh <u>4</u> | | |
| Seats Replaced <u>4</u> | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Studs Replaced _____ | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Head Magnifluxed | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Head Degreased | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Head Glassbeaded | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Head CC'D <u>16.38</u> | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Ported | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Compression <u>B.5 - T.CC's 26.2</u> | | |
| Rocker Shaft | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Rocker Bushings | <input checked="" type="checkbox"/> Yes - 1.5 Rockers | <input type="checkbox"/> No |

MISC. PARTS:

Cam Part Number	VP7	Torque w/oil	Torque w/ARPA Lube
Timing @ 0.020" Lift	25/51-66/26	55	38
Lobe Center Angle	106		
Duration @ 0.020" In./Ex.	256 - 272		
Cam Lobe Lift	0.286 - 0.293		
Lash Clearance (hot - max.)	15 In. / 15 Ex.		
Time To: (A.T.D.C.) #1 Inlet	103 - 104		
Best Rocker Ratio	1.26		
Spring Seat Pressure	60		
Fully Open Pressure	155		
Installed Height	1.365 - 1.375		
Spring Part Number	VPS-02		
Retainer Part Number	903-0000		
RPM Range	1500 - 6500		
Max. RPM	7000		
Idle Characteristics	Fairly Smooth		
Suggested Comp. Ratio	8.5 - 9.5		
Adjustable Cam Gear	VCS-01		
Cam Duration @ 0.050" Lift	220/234		

Merryman Modifications ENGINE REBUILD

CUSTOMER NAME: _____

DATE: 3-18-05 TYPE: A Series YEAR: 59 DISCPLAC: 998

BLOCK:

- Cooked Yes No *(cold tanked)*
- Line Bored Yes No
- Bored Yes No *(LITONED to clean only)*
- Pistons Approx. 1200 Size Replaced *only* Reworked
- 1.5 Clearance
- STE Make
- .010-.012 Gap Replaced Replaced
- Rings Replaced
- Freeze Plugs Replaced

CRANKSHAFT:

- Rod Big Size STD Replaced Reworked
- Main Big Size STD Replaced
- End Play STD Twashers Replaced Replaced

RODS:

- Bolts Replaced Reworked

CAMSHAFT

- Clearance: Int 016 Exh 018 Replaced Reworked
- Grind SPVP#
- Brgs: Replaced

- LIFTERS Replaced Reworked
- OIL PUMP Replaced Reworked
- PILOT BRG. Replaced Reworked
- TIMING CHAIN Replaced Reworked
- TENSIONER Replaced Reworked
- HD GASKET SET Replaced Reworked
- CONV SET Replaced Reworked
- FRT SEAL Replaced Reworked
- REAR SEAL Replaced Reworked
- PRESSURE RELIEF VALVE Replaced Reworked
- PRESSURE RELIEF SPRING Replaced Reworked
- FLYWHEEL Replaced Reworked
- RING GEAR Replaced Reworked
- WATER PUMP Replaced Reworked
- FAN BELT Replaced Reworked
- THERMOSTAT Replaced Reworked
- CLUTCH DISC Replaced Reworked
- PRESSURE PLATE Replaced Reworked

TOP END:

- | | | |
|----------------------|---|--|
| Valve Job | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Valve Springs | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Adjusted Pressure | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Guides Replaced | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Guides Knurled | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Stem Seals | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Valves Replaced: | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Int _____ Exh _____ | | |
| Seats Replaced _____ | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Studs Replaced _____ | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Head Magnifluxed | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Head Degreased | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Head Glassbeaded | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Head CC'D _____ | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Ported } Pret-Done | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Rocker Shaft | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Rocker Bushings | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |

MISC. PARTS:

Notes.	End Play	.002
	Main Big Cl.	.002
	Rod Big Cl.	.002
	Rod Torque	37ft/lb (stated .005-.006)
	Lobe Center Angle	102.5 #1 intake
ADD. Note: - Small crack starting in cylinder Head Gasket		
FACE from water Jacket heading toward		
#2 push Rods Hole. (ok for now)		

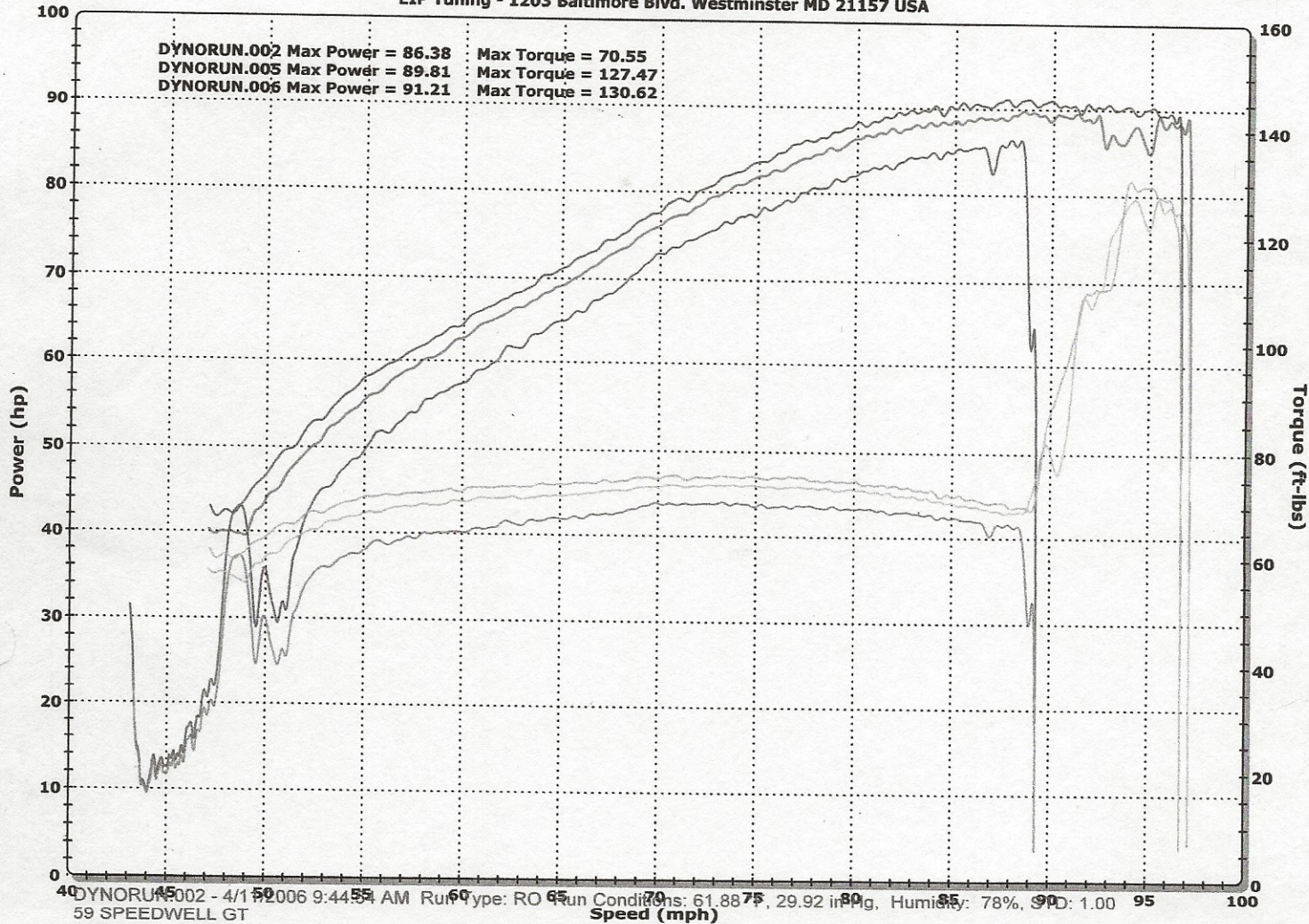
Dynojet WINPER 7

DYNOJET Performance Evaluation Program

DYNOJET RESEARCH

CF: STD Smoothing: 5

EIP Tuning - 1203 Baltimore Blvd. Westminster MD 21157 USA



40 DYNORUN.002 - 4/11/2006 9:44:54 AM Run Type: RO Run Conditions: 61.88 °F, 29.92 in-Hg, Humidity: 78%, STD: 1.00 95 100

59 SPEEDWELL GT
Max Power = 86.38 Max Torque = 70.55
TUNING RUNS
3RD GEAR

DYNORUN.005 - 4/11/2006 10:10:24 AM Run Type: RO Run Conditions: 62.41 °F, 29.92 in-Hg, Humidity: 76%, STD: 1.00

59 SPEEDWELL GT
Max Power = 89.81 Max Torque = 127.47
TUNING RUNS
3RD GEAR

DYNORUN.006 - 4/11/2006 10:17:34 AM Run Type: RO Run Conditions: 62.60 °F, 29.97 in-Hg, Humidity: 76%, STD: 1.00

59 SPEEDWELL GT
Max Power = 91.21 Max Torque = 130.62
TUNING RUNS
3RD GEAR

Merryman Modifications ENGINE REBUILD

CUSTOMER NAME: _____

DATE: Spring 2008 TYPE: Spike YEAR: _____ DISCPLAC: 1275

BLOCK:

Cooked	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
Line Bored	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
Bored	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
Pistons	<u>040</u>	Size	<input checked="" type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
	<u>AE</u>	Clearance	<u>Pistons</u>	<u>Ca j 3378.400</u>
	<u>017</u>	Make		
Rings		Gap	<input type="checkbox"/> Replaced	
Freeze Plugs			<input type="checkbox"/> Replaced	

CRANKSHAFT:

Rod Big Size	<u>010</u>	<u>0015-002</u>	<input type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
Main Big Size	<u>010</u>	<u>0015-002</u>	<input checked="" type="checkbox"/> Replaced	
End Play	<u>003</u>	Twashers	<input checked="" type="checkbox"/> Replaced	

RODS:

Bolts	<input type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
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CAMSHAFT

103° center line

Clearance: Int	_____	Exh	_____	<input type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
Grind	<u>unchanged</u>				
Brgs:				<input type="checkbox"/> Replaced	

LIFTERS

OIL PUMP	<input type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
PILOT BRG.	<input type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
TIMING CHAIN	<input checked="" type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
TENSIONER	<input type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
HD GASKET SET	<input checked="" type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
CONV SET	<input checked="" type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
FRT SEAL	<input checked="" type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
REAR SEAL	<input type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
PRESSURE RELIEF VALVE	<input type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
PRESSURE RELIEF SPRING	<input type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
FLYWHEEL	<input type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
RING GEAR	<input type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
WATER PUMP	<input type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
FAN BELT	<input type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
THERMOSTAT	<input type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
CLUTCH DISC	<input type="checkbox"/> Replaced	<input type="checkbox"/> Reworked
PRESSURE PLATE	<input type="checkbox"/> Replaced	<input type="checkbox"/> Reworked

Merryman Modifications ENGINE REBUILD

CUSTOMER NAME: _____

DATE: 12/2011 TYPE: Spike YEAR: _____ DISCPLAC: 1275

BLOCK:

Cooked Yes No
 Line Bored Yes No
 Bored Yes No
 Pistons 305/96 Size 060 Replaced Reworked
 Job 826548 Clearance _____
 HONDA CIVIC JE Make _____
 Rings 206174 018 Gap Replaced TR 1.0mm 2R 1.2 OR 2.8
 Freeze Plugs Replaced PW DIA 812

CRANKSHAFT:

Rod Big Size 010 Replaced Reworked
 Main Big Size 010 Replaced
 End Play 0025 Twashers Replaced

RODS:

ARP Bolts Torque 38 Ft. Lbs w/lube Replaced Reworked

CAMSHAFT

Clearance: Int 018 Exh 020 Replaced Reworked
 Grind unchanged Replaced
 Brgs: _____

- | | | |
|----------------------------|--|-----------------------------------|
| LIFTERS | <input type="checkbox"/> Replaced | <input type="checkbox"/> Reworked |
| OIL PUMP | <input type="checkbox"/> Replaced | <input type="checkbox"/> Reworked |
| PILOT BRG. | <input type="checkbox"/> Replaced | <input type="checkbox"/> Reworked |
| TIMING CHAIN <u>(Belt)</u> | <input checked="" type="checkbox"/> Replaced | <input type="checkbox"/> Reworked |
| TENSIONER | <input type="checkbox"/> Replaced | <input type="checkbox"/> Reworked |
| HD GASKET SET | <input type="checkbox"/> Replaced | <input type="checkbox"/> Reworked |
| CONV SET | <input checked="" type="checkbox"/> Replaced | <input type="checkbox"/> Reworked |
| FRT SEAL ^s | <input checked="" type="checkbox"/> Replaced | <input type="checkbox"/> Reworked |
| REAR SEAL | <input type="checkbox"/> Replaced | <input type="checkbox"/> Reworked |
| PRESSURE RELIEF VALVE | <input type="checkbox"/> Replaced | <input type="checkbox"/> Reworked |
| PRESSURE RELIEF SPRING | <input type="checkbox"/> Replaced | <input type="checkbox"/> Reworked |
| FLYWHEEL | <input type="checkbox"/> Replaced | <input type="checkbox"/> Reworked |
| RING GEAR | <input type="checkbox"/> Replaced | <input type="checkbox"/> Reworked |
| WATER PUMP | <input type="checkbox"/> Replaced | <input type="checkbox"/> Reworked |
| FAN BELT | <input type="checkbox"/> Replaced | <input type="checkbox"/> Reworked |
| THERMOSTAT | <input type="checkbox"/> Replaced | <input type="checkbox"/> Reworked |
| CLUTCH DISC | <input checked="" type="checkbox"/> Replaced | <input type="checkbox"/> Reworked |
| PRESSURE PLATE | <input checked="" type="checkbox"/> Replaced | <input type="checkbox"/> Reworked |

