

TECH DATA

CUSTOMER:

DATE: 10-30-12

Ph# _____ HM.
Ph# _____ WK.
Ph# _____ ALT.

MOTOR: Pontiac
SIZE: 455 Block + .040" = 464
INTAKE: 4 Barrel Dual plane
CARB (s): Holley 850

COLORS

BLOCK: Plasti-Kote #227
VALLEY COVER: 11
OIL PAN: Glossy Black
VALVE COVERS: Chrome
HEADS: Aluminum
INTAKE: 11
BALANCER: Glossy Black
H2O PUMP: Aluminum
PULLYS: N/A

BLOCK: 1976-WX 4-speed H.O. Rare
Line honed

MAINS CLEARANCE:

#1 .00/8.

#2 .00/8.

#3 .00/8 END PLAY--.006

#4 .00/8.

#5 .00/8.

REAR MAIN SEAL: Fel-pro neoprene #BS40012

TYPE: Neoprene SEAL CONTACT WIDTH: .060".

RODS: Eagle H-Beam, Press Fit w/Ross light
weight pins

FOOT POUNDS

RODS

ENDPLAY

ROTATIONAL

CLEARANCE

PER ROD PAIR

TORQUE:

14 FT. LBS.	#1 .00 2	#2 .00 2	.0 12".
23 FT. LBS.	#3 .00 2	#4 .00 2	.0 15".
30 FT. LBS.	#5 .00 2	#6 .00 2	.0 16".
38 FT. LBS.	#7 .00 2	#8 .00 2	.0 16".

COMPRESSION: (P.S.I.)

#1 - 151 #2 - 150

#3 - 151 #4 - 152

#5 - 150 #6 - 150

#7 - 151 #8 - 150 . DYNAMIC COMPRESSION @ SEA LEVEL: 10.20

11 11 @ 5000' ——— 8.5

BALANCING: Analog Wave 80% 1st harmonic
540 R.P.M.

GRAMS

.003"/oz. - .002"/oz. @ 540 RPM

ROD ROTATING	540.5
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ROD BEARING	58.5
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OIL ALLOWANCE	6.0
PISTON + PIN	733.5
PIN stock 190 grams / Ross 141 grams	—
LOCKS press fit	N/A
RINGS	56.0
ROD RECIPROCATING	222.2
BOBWEIGHT TOTAL	2215.5

.020 Rod bearing
.010 mains

CAMSHAFT: Ultra-Dyne custom ground

ENGINE: Pontiac

CAM GRIND NO. 288-296 H12 +6

CAM SERIAL # 876386

DURATION @ .050 " INTAKE 231 EXHAUST 239

LOBE LIFT INTAKE .3233" EXHAUST .3383"

LOBE SEPARATION 112 DEGREES.

SEAT DURATION @.006 " INTAKE 288 EXHAUST 296

GROSS VALVE LIFT w/ 1.5 Rockers INTAKE .485" EXHAUST .507"

VALVE LASH (HOT) 1/4 turn past zero INTAKE .0" EXHAUST .0"

DEGREE INTAKE LOBE TO 106 DEGREES ATDC

ACTUAL FINAL LOCATION 104.5 DEGREES ATDC +6 on timing set
Comp # 7112 (-).005

② .050 SEAT TIMING: INT 9.5 BTDC 41.5 ABDC 106 CENTER LINE.

② .050 SEAT TIMING: EXH 57.5 BBDC 1.5 ATDC 118 CENTER LINE.

LIFTERS: Comp # 863

HEADS: Kauffman Racing D-ports

PORTS: Mild short turn porting on intake and
exhaust. Dog leg intake runners @ push
Rid

COMP- SPRINGS: 995 RETAINERS: 740 VALVE LOCKS: 611 PUSHRODS:

MAGNESIUM / BRONZE GUIDES

EXHAUST VALVES:

Ferrea STAINLESS STEEL, SWIRL POLISHED #5079
EXH. VALVE: 45 DEGREES, SEAT 45 DEGREES
CONTACT LOCATION: .006 - .008 OFF OUTER EDGE OF VALVE FACE

INTAKE VALVES:

Ferrea STAINLESS STEEL, SWIRL POLISHED #5073
INT. VALVE: 45 DEGREES, SEAT 45 DEGREES
CONTACT LOCATION: .022 - .023 OFF OUTER EDGE OF VALVE FACE

DISTRIBUTOR / IGNITION:

Accel electronic Billet
MSD-Blaster 2 coil

IGNITION TIMING:

SPRING COLORS: Silver / Silver.

BUSHING COLOR Silver.

ADV. X DEGREES @ CRANKING SPEED

ADV. 14 DEGREES @ 600 R.P.M. VACUUM UNHOOKED

ADV. 22 DEGREES @ 2000 R.P.M. VACUUM UNHOOKED

ADV. 36 DEGREES @ 3200 R.P.M. WITH VACUUM - check timing with this one

ADV. — DEGREES @ — R.P.M. WITH VACUUM

NOTES:

CARB TYPE: Holley — Street Avenger w/ vacuum secondaries
C.F.M. 850 BASE PLATE 4150.

CARB TORQUE 13 FT.LBS.

Install : Primary Jets# 76 , Primary Rods # N/A.

Spring Color : N/A , Power valve # 6.5.

Install : Secondary Jets# 80 , Secondary Rods # N/A yellow spring on vacuum

Hanger #: N/A , Power valve # 4.5.

3/4 TURN ON 2 IDLE SCREWS.

SPARK PLUGS: Autolite # 3924.

.038" GAP, 20 FT.LBS. TORQUE w/ Anti-Sieze

OIL : Casteroil 10/30 6QT'S. INCLUDING FILTER, FILTER # 85258.
Car Quest

T-STAT: ROBERT-SHAW FAILSAFE TYPE 180 DEGREES.

~~DRILLED WITH AIR PURGE HOLES~~

ENGINE CUSTOM BUILT BY: GREG MERRICK 1-303-776-0877

HAVE FUN !!!