

ENGINE SPECIFICATION SHEET

Built for M... Application Turbo Street Date 7-5-90
 Disp. 219 c.i. / 3595 cc B.S. 3.530 X 2.8 Comp. Ratio 7.75 Block _____
 Ex. _____ Ign. _____ Cam Crower A-5804 ^{Special turbo} Tappets HT 896 Timing Set C 3017 Cloyes
 Valves In. _____ Ex. _____ Sprgs. _____ Retainers _____ Valve locks _____
 Pistons Arias Pin Locks dbl. .850 spirolax Rings 2 Free. F 1240 .635 Plugs use short type
 Rockers rebuilt Pushrods _____ Heads * alum. Hd. Gasket. 7984 Fel Pro
 Rods _____ Crank cast iron Flywheel _____ Brngs. MS 558 std lowers 0.240 pos
 Oil _____ Pan _____ Pump _____ Tray none Pump Dr. _____

Cylinder Wall Finish: AN-500

Cyls. 1 3.531 2 " 3 " 4 " 5 " 6 " 7 " 8 "
 Pistons 1 3.527 2 " 3 " 4 " 5 " 6 " 7 " 8 "
 Clear. 1 .004 2 " 3 " 4 " 5 " 6 " 7 " 8 "
 1.1" down from oil groove.

Mainline Bore Dia. 1 Aligahone 2 Mainline to: 3 _____ 4 _____ 5 _____ Conrod Bore Dia. _____Main Bearings Dia. 2.3002 Con. Rod Bearings Dia. 2.0002Main Journals Dia. 2.2978/2983 .445 Con. Rod Journals Dia. 1.9978/9980Main Brng. Clear. .0025 1-3 .0020 4-5 Con. Rod Bearing Clear .0022/.0024Pin Clear. in Rod dimpled In Piston dimpled Block Ht. decked .015Head V 35.2 cc Piston to Top of Blk. V. 23.0 cc Gskt V. 8.5 Dome V. — Tot. V. 66.5Valve Spring Inst. Ht. In. 1.635 Press 108 Net V. Lift 449 Open Press 235Ex. 1.635 108 428 230

Amount Head Surfaced _____ Valve Stem Clear. In. _____ Ex. _____

Amount Block Decked .015" off lowest corner.Piston Flat to Top of Blk. 1 .033 2 .032 3 .029 4 .031 5 .030 6 .029 7 .029 8 .030Crank End Clear. .005 Cam End Clear. .005 Conrod Side Clear .009Ring End Gap 1 .0182 .015 Oil .036 Static Rail Gap .225 Tension Thru Bore lightCam Timing 1 1/2 AIO -8 ILC 113° EO 34 ELC 116° Cam Lift Ex. .266 Dur. Ex. 196°IC 38 EC -18 In. .282 In. .210°Valve to Piston Clear. In. — Ex. — Piston to Hd. Clear. w/ — Gskt. —

Flywheel Housing R.O. Face _____ Bore _____ Bore Diameter _____

Oil Pump Spring std. Gear End Clear .003 Oil Press. 4216 Pickup Ht. 1/4"Main Caps 65 Rod Caps 32 Cam Sprocket 40 B Thrust Plt. —Head upper 70 middle 65 Flywheel — Clutch — Filter Adpr. 20 Bal. 90 BOil Pump outer 60 Wind. Tray — rocker shafts 40Valve Lash In. app. .100 down (1/2 travel) Ex. — Torque Test _____ Spark Plug _____ Gap _____Dist. Cent. Adv. 0° rpm Initial Adv. — Balancer Scribed @ 30°Leakage/Comp. Test 1 _____ 2 _____ 3 _____ 4 _____ 5 _____ 6 _____ 7 _____ 8 TDC correct

rope rear seal
 rope front seal

* heads O-ringed w/.043 stainless wire +.013, 3.935 dia.

2 pist. down .100 = 43.4 cc

THIS SHEET CONTAINS IMPORTANT INFORMATION ABOUT YOUR CAM. PLEASE KEEP.

Work Order/Part No. *2B-5804*
Engine Application *1950 Buick*
Grind No. *1.6:1*
Rocker Ratio *1.6:1*

ADVERTISED DURATION:

Intake *270*
Exhaust *258*

Intake Lift *449* Clearance (Hot) *000*
Exhaust Lift *428* Clearance (Hot) *000*

RECOMMENDED VALVE SPRING INFORMATION:

Part Number ☐ Single ☐ Dual ☐ Triple

Approximate spring pressure:

valve closed:

valve open:

On all cams, use modeling clay to check the clearance between the valve and pistons. With valves set at running clearance, there should be a minimum of .060" on the intakes and .120" on the exhaust valves. Failure to comply may result in serious damage.

CROWER

CAMS & EQUIPMENT COMPANY 3333 Main Street Chula Vista, Ca. 92011 (619) 422-1191

THE INFORMATION BELOW IS FOR DEGREEING CAM ONLY. CORRECT ONLY AT .050" TAPPET LIFT.

INTAKE Opens *-6* *A* TDC
Closes *34* ABDC

EXHAUST Opens *36* BBDC
Closes *20* *B* TDC

DURATION at .050" Intake *208*
Exhaust *196*

Lobe separation *114*

Intake Lobe Lift: *291*

Exhaust Lobe Lift: *268*

If using "Lobe Center" method of degreeing, cam should be installed on an intake centerline of..... ATDC

Cams damaged from excessive spring pressure, over-shimming, valve train bind, or retainers contacting guides are void from warranty. Increase length of rocker slot as necessary on all ball-type rockers.

Use of this product on public highways may not be legal in your area. Check state/local emissions laws.

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