

**INTERNATIONAL HOT ROD ASSOCIATION  
TECHNICAL INFORMATION FORM**

MAKE: Ford DATE RELEASED:  
1/12/02

BRAKE H.P. & DISP: 351ci / 385hp MODEL YEAR: 98 OPTION #: \_\_\_\_\_

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BORE & STROKE: 4.00 X 3.50 CAMSHAFT P/N: M-6250-A351

COMPRESSION RATIO: NOMINAL 9.2:1 LIFTER TYPE: hydraulic flat  
MAX: 9/7:1

CYL. HEAD VOLUME: In. 178cc Ex. 62cc ROCKER ARM RATIO: Aluminium style 1.6 roller

HEAD GASKET THICKNESS: .035 total  
(compressed)

DECK CLEARANCE (MIN): .035 total  
(above or below)

COMB. CHAMBER VOL: 58 cc  
(max. comp. ratio may not be exceeded)

NOTE: Timing and lift specifications must be those found at the valve when checking clearances are set as specified below. On hydraulic cams give clearances to be used when checking MINIMUM cam with solid lifter.

**PISTONS:**

DESC: (flat,dish, dome) Dish or\* flat top  
7 cc 2 valve relief flat top

DISPLACEMENT OF DISH, DOME: 16cc+ 2cc

HEIGHT OF DOME: \_\_\_\_\_

DEPTH OF DISH: .185 +-10cc

WEIGHT OF PISTON W/PIN: 782 +-10 g

**TIMING:**

**INTAKE EXHAUST**

CHECKING CL: 0 0

OPENS: \_\_\_\_\_

CLOSES: \_\_\_\_\_

OVERLAP: \_\_\_\_\_

DURATION: \_\_\_\_\_

LIFT: .520 .538

**CYLINDER HEAD:**

CASTING NUMBER: M-6049-X302  
M-6049-Y302, M-6049-X306, M-6049-X307

**VALVES:**

HEAD DIAMETER: 1.94 1.540

ANGLE OF SEAT/FACE: 45 45

VALVE STEM DIAMETER .341

**INDUCTION:**

TYPE: single 4 bbl

**SPRINGS:**

OUTER CLOSED: Dual with damper 1.55 OD

MAKE: OEM Holley Type

OUTER OPEN: \_\_\_\_\_

INNER CLOSED: \_\_\_\_\_

INT. MAN. CASTING #: M-9424-H429

INNER OPEN: \_\_\_\_\_

MATERIAL OF INTAKE: cast alum

CARB OR FUEL INJECTION: 750 cfm\_max

\*Flat Top piston : 2 valve relief -7 cc volume.