

INTERNATIONAL HOTROD ASSOCIATION  
TECHNICAL INFORMATION FORM

MAKE: Chevrolet

DATE RELEASED May 06

BRAKE HP & DISP: 440/454

MODEL YEAR: 2006

OPTION# ZZ454/440

BORE & STROKE: 4.251 x 4.00

CAMSHAFT P/N: 24502611

COMPRESSION RATIO: NOMINAL 9.6:1  
MAX:

LIFTER TYPE: hvd roller

CYL. HEAD VOLUME 110.0

ROCKER ARM RATIO: 1:71 stamped steel

HEAD GASKET THICKNESS:  
(compressed) DECK CLEARANCE  
(MIN): Total .035  
(above or below) COMR  
CHAMBER VOL: \_\_\_\_\_

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.

(max. comp. ratio may not be exceeded)

INTAKE EXHAUST  
TIMING:

PISTONS: 8448P S Power, 270-454 Ven, 981P

CHECKING CL:

Ertel, 2375PA FM, 153945 JE, H661CP FM

OPENS:

DESC: (flat, dish, dome) flat w notches \_\_\_\_\_

CLOSES:

DISPLACEMENT OF DISH, DOME: c \_\_\_\_\_

OVERLAP:

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

DURATION:

DEPTH OF DISH: valve reliefs \_\_\_\_\_

LIFT VALVES: .510 .540

WEIGHT OF PISTON W/PIN: \_\_\_\_\_

HEAD DIAMETER: 2.25 1.88

CYLINDER HEAD:

ANGLE OF SEAT/FACE: 45

PART NUMBER: 12363390 or 12363399 (3/8 stem  
size only)

SPRINGS: Dual spring

MATERIAL: Aluminum \_\_\_\_\_

OUTER CLOSED: \_\_\_\_\_

INDUCTION: Single 4 barrel \_\_\_\_\_

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

MAKE: Any cast typ

INNER CLOSED:

INT. MAN. CASTING #: \_\_\_\_\_

INNER OPEN:

MATERIAL OF INTAKE: Alum

CARB: Holley 850 cfm