



**HSL (HIGH SPEED LIFT) CAMSHAFTS
HONDA B-SERIES DOHC VTEC**

**TUNER SERIES PART # BXCM-10104
COMPETITION SERIES PART # BXCM-10123**

PRODUCT DISCLAIMER – PLEASE READ CAREFULLY

Some products may not be legal in CA for use on pollution controlled vehicles, except those that have been exempt by the California Air Resource Board (CARB). These products have been designed and are intended for off-road use only. These non-exempt products may affect the vehicle's OEM warranty and/or insurance policies. It is the buyer's sole responsibility to check with local and state vehicular codes for compliance.

- **FOR PROPER INSTALLATION PLEASE REFER TO THE FACTORY SERVICE MANUAL OR USE A QUALIFIED AUTOMOTIVE TECHNICIAN OR MECHANIC**
- **IMPROPER INSTALLATION AND TUNING CAN RESULT IN MAJOR ENGINE DAMAGE**

SETTING SUGGESTIONS

The following settings provide a basic guideline for installation and tuning. Final performance results will vary based on quality of engine tuning and other performance parts used in conjunction.

!! WARNING !!

- **UPGRADED VALVE SPRINGS AND RETAINERS REQUIRED**
 - **DO NOT USE OVERSIZED VALVES**
- **ALWAYS DOUBLE-CHECK PISTON-TO-VALVE CLEARANCE**
- **HIGH PERFORMANCE CAMSHAFTS WILL PUT GREATER STRESS ON VALVETRAIN COMPONENTS WHICH MAY CAUSE FASTER WEAR**

Camshaft Specifications: DO NOT INCREASE LOBE SEPERATION

ADVERTISED SPECS

INTAKE: 290° @ 0.496" // EXHAUST: 294° @ 0.494"

INTAKE / EXHAUST

- LOBE CENTERS – 106+4 CAM DEGREES
- VALVE OVERLAP – 80 CRANK DEGREES

MEASUREMENTS TAKEN AT 0.050" VALVE RISE

INTAKE CAM

- VALVE OPENING – 25.5 'BTDC
- LOBE CENTERLINE – 102 'ATDC
- VALVE CLOSURE – 49.5 'ABDC
- DURATION – 255 CRANK DEGREES
- LOBE LIFT – 0.309"
- VALVE LIFT – 0.496"

EXHAUST CAM

- VALVE OPENING – 58 'BBDC
- LOBE CENTERLINE – 110 'BTDC
- VALVE CLOSURE – 18 'ATDC
- DURATION – 256 CRANK DEGREES
- LOBE LIFT – 0.309"
- VALVE LIFT – 0.494"

VALVE SETTINGS: SET ON COLD MOTOR

Intake: 0.008"
Exhaust: 0.009"

INITIAL CAM GEAR SETTINGS:

Intake: +1° to +2°
Exhaust: 0°

INITIAL FUEL PRESSURE SETTINGS:

+3 to +5 PSI

INITIAL IGNITION SETTTINGS:

16° to 17° (advanced)