

# CHEVROLET BIG BLOCK

**Chev, 396,400,427,454 1965-86 \*See Fitting Notes\***

<b>Hydraulic Lifter Camshafts</b>		<i>For standard replacement cams see front of catalogue</i>						
<b>PART NO.</b>	<b>VALVE TIMING</b>	<b>ADV DUR</b>	<b>.050" DUR.</b>	<b>L/C</b>	<b>VALVE LIFT</b>	<b>POWER RANGE</b>	<b>PART KIT</b>	<b>COMMENTS</b>
<b>2602</b>	IN. 26/64 EX.66/24	270 270	208 208	112	.484" .484"	1100 3900	K201	Mild street cam with smooth idle and good low end torque.
<b>2666<sup>1</sup></b>	IN. 25/65 EX.74/26	270 280	204 214	112	.484" .510"	1200 4200	K202	Dual pattern economy/performance cam for stock to mild engines.
<b>2605<sup>1</sup></b>	IN. 33/67 EX.75/37	281 291	222 235	115	.508" .512"	1900 4700	K202	Fair idle requires only minor engine modifications.
<b>21367<sup>1</sup></b>	IN. 33/73 EX.80/32	286 293	224 234	112	.525" .550"	2000 4800	K202	Hot street performance cam to suit strong street engines.
<b>2778<sup>1</sup></b>	IN. 34/70 EX.74/30	284 284	230 230	110	.530" .530"	2200 5100	K202	Mid range power cam to suit strong street engines.

<b>Custom Ground Flat Tappet &amp; Roller Camshafts</b>	
<b>PART NO</b>	<b>DESCRIPTION</b>
<b>2900</b>	Custom ground billet camshaft using selected master, SOLID or HYDRAULIC.
<b>2901</b>	Custom ground billet camshaft using 2 masters or modified lobe centres SOLID or HYDRAULIC.
<b>2902</b>	Custom ground profile ground on heavy duty high chrome billet SOLID or HYDRAULIC.
<b>2950</b>	Custom ground ROLLER profile on induction hardened billet.
<b>2951</b>	GEN VI Custom ground ROLLER profile on induction hardened billet.

<b>Performance Matched Valve Train Kits</b>						
<b>KIT NO.</b>	<b>VALVE LIFTER</b>	<b>VALVE SPRING</b>	<b>SPRING RETAINER</b>	<b>VALVE COLLETS</b>	<b>TIMING SET</b>	<b>COMMENTS</b>
<b>K201</b>	HT969C	7737 <sup>a</sup>	12702	12708	CS8454T	Mild street kit.
<b>K202</b>	HT969R	8337	12700	12708	CS8454T	Hot street kit.
<b>K203</b>	AT992	9936 <sup>3</sup>	13102	12108	CS8454T	Street/race solid lifter kit.
<b>K209</b>	5210	0967 <sup>3</sup>	13103	12108	CS8454T	Roller lifter kit.

<b>Performance Valve Train Components</b>			
<b>PART NO.</b>	<b>DESCRIPTION</b>	<b>PART NO.</b>	<b>DESCRIPTION</b>
<b>PR8830-210</b>	3/8 Race Pushrods Std Length 8.30"	<b>CS8454T</b>	9 Keyway 2 Row Chain Set with thrust brg
<b>PR8925-210</b>	3/8 Race Pushrods Std Length 9.25"	<b>CS8G6</b>	Multi Keyway Timing set suit Gen 6 engine
<b>PR8870-210</b>	+.400" (Tall deck ) Inlet	<b>HT817C</b>	Hydraulic Lifter, Chilled iron base
<b>PR8965-210</b>	+.400" (Tall deck) Exhaust	<b>H817R</b>	High Performance Hydraulic Lifter
<b>BG4</b>	Bronze Distributor Gear	<b>AT992L-16</b>	Pressure Lubricated Solid Lifter set.

## **FITTING NOTES.**

Pre 1967 engines must have cam or rear bearing grooved for correct oiling.

1. Must use performance valve springs.
2. Must use performance valve spring retainers.
3. Machining required to fit these components.
  - a. When using standard retainers care must be taken so that the inner damper does not coil bind.

\* Maximum spring diameter for cast iron heads is 1.550"

## Valve Springs

**Chev. Big Block 396-454** *Standard retainers have large step which may bind on damper.*

<b>PART NO.</b>	<b>INSTALLED HEIGHT</b>	<b>INSTALLED PRESSURE</b>	<b>PRESSURE @.5 LIFT</b>	<b>MAX. LIFT</b>	<b>SOLID HEIGHT</b>	<b>SPRING RETAINER</b>	<b>VALVE LOCKS</b>
7737	1.880"	90	250	0.525"	1.250"	12702	Std.
8937	1.900"	135	325	0.650"	1.130"	13102	12101
8337 <sup>2</sup>	1.980"	125	312	0.725"	1.115"	13102	12101
9936 <sup>5</sup>	1.980"	130	335	0.760"	1.140"	13102	12101
9950 <sup>5</sup>	1.980"	160	400	0.760"	1.140"	13102	12101
9946 <sup>5</sup>	1.980"	205	480	0.760"	1.170"	13102	12101
9954 <sup>5</sup>	1.980"	233	515	0.800"	1.100"	TR5650	12101