



▲ SMALL-BLOCK CAMSHAFTS AND COMPONENTS

A great deal of exacting engineering, extensive development/testing, and precision manufacturing practices go into every Chevrolet Performance camshaft. In many ways, the camshaft can be considered the heart of a high-performance engine. This vital function is why Chevrolet Performance puts so much effort into making sure its camshafts deliver maximum power and drivability.

NOTE: IMPORTANT! Distributor with melonized steel gear **MUST** be used with steel camshafts or engine damage will occur.

Part Number	Description	Duration @ .050" Lift (deg)	Maximum Lift (in) w/1.5 rocker*	Lobe Centerline (deg)	Technical Notes
3896962	Hydraulic flat tappet	I: 222 / E: 222	I: .450 / E: .460	114	Used in 350/290 HP crate engine
24502476	Hydraulic flat tappet	I: 212 / E: 222	I: .435 / E: .460	112.5	Used in 350 HO and CT350 engines
14097395	Hydraulic roller design	I: 196 / E: 206	I: .431 / E: .451	109	For the HT383 truck engine with 1.5 rockers
10185071	Hydraulic roller tappet	I: 208 / E: 221	I: .474 / E: .510	112	For ZZ3, 350 HO, ZZ4, Fast Burn 385 engines; use with spring P/N 10134358 or 12551483
24502586 (1.5 rocker)	Hydraulic roller (LT4 hot cam)	I: 218 / E: 228	I: .492 / E: .492	112	Service only; for all V-8 engines with roller cams. (See note below chart)
24502586 (1.6 rocker)	Hydraulic roller (LT4 hot cam)	I: 218 / E: 228	1.6 rocker I: .525 / E: .525	112	Service only; for all V-8 engines with roller cams. (See note below chart)
12480002 (1.6 rocker)	Hydraulic roller (LT4 hot cam kit)	I: 218 / E: 228	1.6 rocker I: .525 / E: .525	112	Same as P/N 24502586 except this is a kit that includes 1.6 ratio aluminum rockers, valve springs, and retainers (See below for content)
19210723	Hydraulic roller design	I: 222 / E: 230	I: .509 / E: .528	112	Off-highway use only; contains eccentric for mechanical fuel pump
19244485	Hydraulic roller design	I: 234 / E: 242	I: .539 / E: .558	112	Off-highway use only; contains eccentric for mechanical fuel pump

*Unless otherwise specified

NOTE: The LT4 camshaft P/N 24502586 was designed to be used in many different engines. The following change may be necessary for correct engine assembly: For LT1 and L98 engines (pre-1996) the dowel pin in the end of the camshaft must be pushed in so extension from end of cam is .30" +/- .01". For 1996 LT1 and LT4 engines, the dowel pin is in the correct position extending .620" from the end of the camshaft. This cam has a fuel pump lobe.

CAMSHAFT KITS, RETAINERS AND REAR COVER KITS

Part Number	Description	Technical Notes
12499229	5.7L Vortec Camshaft Install Kit (not shown)	Convenient, inclusive kit. Includes 2 water pump gaskets, intake manifold gasket set, 2 valve cover gaskets, a distributor gasket and a front crankshaft seal assembly
10088128	Camshaft Retainer (not shown)	First design with 3.620" bolt center as used on ZZ3, ZZ1 and ZZ2 engines
10168501	Camshaft Retainer (not shown)	Second design with 3.294" bolt center as used on ZZ3 and ZZ4 engines
24502459	Camshaft Rear Cover Kit (not shown)	Cover and O-ring gasket for sealing rear camshaft hole on all "CNC" aluminum and iron blocks. Includes bolts



▲ 12480002 350 Hot Cam Kit

Off-highway kit converts production LT1 engine for showroom stock racing. Improves Small-Block originally equipped with roller tappet camshaft for significant horsepower gains. For roller lifter blocks only. Lifters are not included (re-use original roller lifters).

This kit includes the following items:

Part Number	Description	Quantity
24502586	Camshaft	1
19210729	Roller Rocker Arms	16
12551483	Valve Springs	16
19169661	Retainers	16
24503856	Valve Keys	16
10212809	Valve Spring Shims	16

