

XFI™ SPR Cams & Phaser Limiter Kit For GM Gen IV VVT Engines

New camshaft kit from COMP Cams® modifies L92 cam phasers to provide significant gains in upper-rpm power without hurting bottom-end & mid-range performance

Rather than find ways around the recent advances in GM engine technology, engineers at COMP Cams® have found a way to work with the innovation to produce a powerful line of cams for the newer L92 engines. This new series of XFI™ SPR (Valve Springs & Phaser Modifications Required) Camshafts features four unique cam grinds that each provide substantial gains in both torque and horsepower.

The 2007 and newer GM L92 engines utilize Variable Valve Timing (VVT) technology, which changes the timing of the valves while the engine is in operation. VVT is controlled via cam phasers, which are computer controlled cam gears that automatically optimize camshaft timing based on the current engine rpm. While this technology provides tremendous efficiency benefits, it presents a challenge when designing performance camshafts. This is due to the wide range of valve timing movement which causes piston-to-valve clearance.

As a result, the COMP Cams® engineers have developed a Cam Phaser Limiter Kit (Part #5456) that restricts the range of cam timing movement from 50 degrees to 20 degrees. While still utilizing the efficiency benefits of the VVT technology, this modification provides the necessary valve clearance for larger, more serious performance camshafts with tighter lobe separations. The resulting increases in upper-rpm horsepower (70+ hp) from a simple camshaft swap are some of the largest ever seen by valve train experts at COMP Cams®, and these gains occur without any sacrifice to bottom-end or mid-range performance.

These new performance camshafts are designed for use with the COMP Cams® Phaser Limiter Kit (#5456) and Beehive™ Valve Springs (#26918). For more information about the COMP Cams® XFI™ SPR Cams & Phaser Limiter Kit for GM Gen IV VVT Engines or any other COMP Cams® product, call 1-800-999-0853 or visit us online at www.compcams.com.

**Part #156-400-13****Part #5645**

APPLICATION/CAMSHAFTS	VALVE SETTING		RPM OPERATING RANGE	CAMSHAFT PART NUMBER	CAM GRIND NUMBER	DURATION				VALVE LIFT		LOBE SEP. ANGLE
	IN.	EX.				ADVERTISED	IN.	EX.	IN.	EX.	W/1.7 ROCKER	
HYDRAULIC ROLLER-Excellent responsiveness and low end torque with good power gains.	Hyd.	Hyd.	1300 to 6500	156-400-13	263PHR14	263	277	210	224	.556	.568	114°
HYDRAULIC ROLLER-Substantial power and torque gains across the board.	Hyd.	Hyd.	1600 to 6700	156-401-13	267PHR14	267	281	214	228	.559	.571	114°
HYDRAULIC ROLLER-Extremely strong from 4500 past 6700 rpm. Noticeable idle.	Hyd.	Hyd.	1800 to 6900	156-402-13	271PHR14	271	285	218	232	.563	.575	114°
HYDRAULIC ROLLER-Best choice for maximum power in aftermarket/CNC head application.	Hyd.	Hyd.	2000 to 7100	156-403-13	275PHR14	275	289	222	236	.566	.578	114°

Features & Benefits:

- Cams designed for use in 2007 and newer GM L92 engines with cam phasers
- Amazing horsepower gains (up to 70+ hp) without sacrificing torque or mid-range
- 4 unique cam grinds provide significant power & torque gains with use of a phaser limiter
- Limiter restricts phaser movement to 20° to allow use of larger, more powerful cam profiles