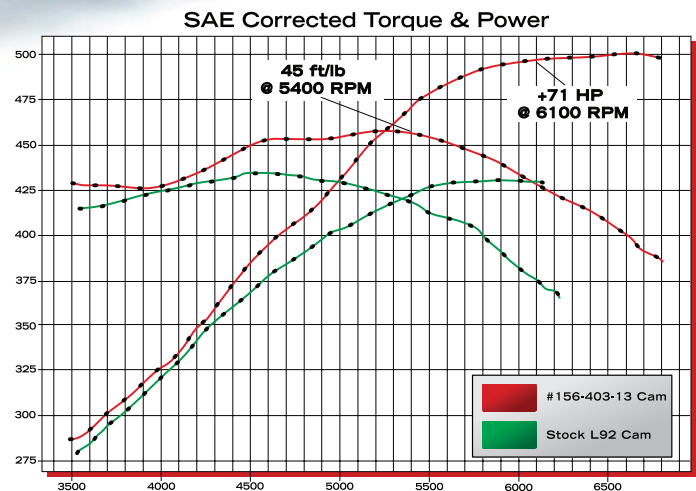
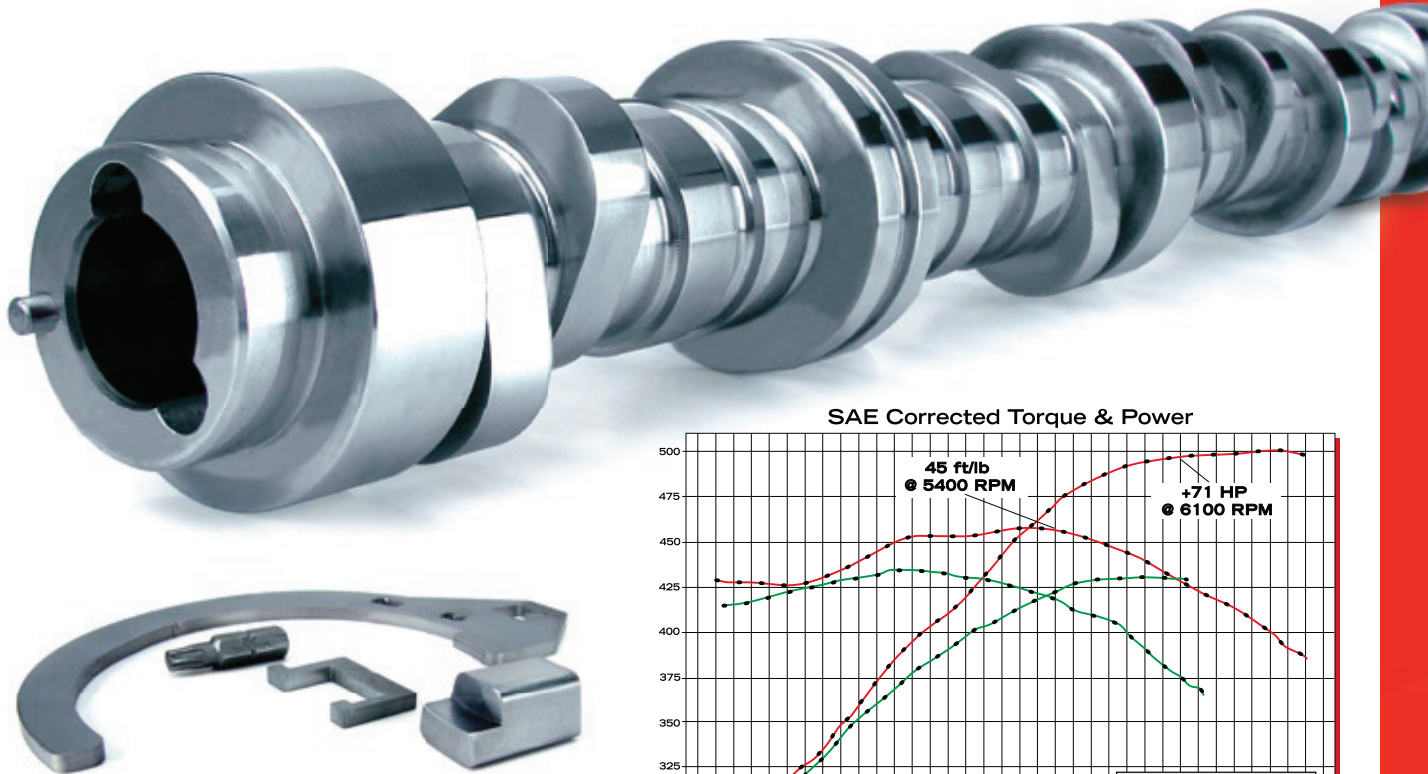


## ■ XFI™ SPR CAMS & PHASER LIMITER KIT FOR GM GEN IV VVT ENGINES

The 2007 & newer GM L92 engines utilize Variable Valve Timing (VVT) controlled via cam phasers. Cam phasers 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 cams due to the wide range of valve timing movement and constantly changing piston to valve clearance. As a result the COMP Cams® engineers have developed a Cam Phaser Limiter Kit that restricts the range of cam timing movement from 50° to 20°. This modification provides the necessary valve clearance for serious performance camshafts with tighter lobe separations – while still utilizing the benefits of the VVT technology. The resulting upper-rpm gains are some of the largest we've ever seen from a camshaft swap without sacrificing any bottom-end or mid-range performance.

- Cams designed for use with Phaser Limiter Kit (#5456) & #26918 Beehive™ Valve Springs
- Four application-specific cam grinds, all with significant power and torque gains
- Limiter restricts movement to 20° to allow use of larger, more powerful cam profiles



DESCRIPTION	PART #
Cam Phaser Limiter Kit	5456

\*Phaser Limiter Kit sold separately from camshafts.

APPLICATION/CAMSHAFTS	VALVE SETTING		RPM OPERATING RANGE	CAMSHAFT PART NUMBER	CAM GRIND NUMBER	DURATION		@ .050"		VALVE LIFT W/1.7 ROCKER		LOBE SEP. ANGLE
	IN.	EX.				IN.	EX.	IN.	EX.	IN.	EX.	
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°