LINGENFELTER

PERFORMANCE ENGINEERING

Camshaft: GT12

LPE part #: L210165897 **UPC:**

Engine(s): GM Gen III & IV V8 engines except Displacement On Demand (DOD) & camshaft phaser applications
Firing order: 1-8-7-2-6-5-4-3 (per standard GM V8 cylinder numbering)

	Intake	Exhaust			
Valve adjustment:	HYD	HYD			
Lobe lift (inches):	0.361	0.365			
Valve lift (inches):	0.614	0.621	**with**	1.7	**rocker ratio**
Valve lift (inches):	0.650	0.657	**with**	1.8	**rocker ratio**
Duration @ 0.006":	277	285			
Duration @ 0.050":	227	235			
Lobe Separation Angle (LSA):	115.0				
Degrees of advance:	0.0				

Valve timing @ 0.050" tappet lift:	**Opening**		**Closing**		
	Intake	-1.5 **BTDC**	48.5	**ABDC**	
				Overlap angle	1.0
	Exhaust	52.5 **BBDC**	2.5	**ATDC**	

These specs are with cam installed at: 115.0 **intake center line** 115.0 **exhaust center line**

Recommended installation angle: 114 *(intake center line angle)*

Recommended valve springs:		
	LPE LPE beehive LSx spring set (PN L230055297)	1.7:1 rocker applications
	LSx double valve spring kit with titanium retainers (PN L230075897)	1.7 or 1.8:1 rocker applications
	Comp Cams 26921 valve springs (26921-KIT)	1.7 or 1.8:1 rocker applications
	Ferrea S99100	1.7 or 1.8:1 rocker applications

Notes: LPE recommends thoroughly cleaning the camshaft and liberally applying engine assembly lube prior to installation.
LPE recommends checking for proper pushrod length when installing a new camshaft.
Most 2006-2013 Gen IV engines use a single bolt camshaft (except the LS7 & LS9). These engines will need an installation kit from LPE.
LPE recommends always degreeing in the camshaft to confirm the camshaft location.
LPE recommends checking piston to valve clearance - especially on LS3 type cylinder heads, surfaced heads or remachined blocks.
Not recommended for use with 1.8 rockers on LS3 engines with stock LS3 pistons due to piston to valve clearance.
L99, L92 & LSA engines have large diameter, solid stem intake valves. Valve float is likely to be an issue on these valves. Recommend LS3 hollow stem.