

LINGENFELTER

PERFORMANCE ENGINEERING

Camshaft:

GT1

LPE part #: L210055297

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):	0.331	0.331			
Valve lift (inches):	0.563	0.563	with	1.7	rocker ratio
Valve lift (inches):	0.596	0.596	with	1.8	rocker ratio
Duration @ 0.006":	277	288			
Duration @ 0.050":	218	229			
Lobe Separation Angle (LSA):	113.0				
Degrees of advance:	0.0				
Valve timing @ 0.050" tappet lift:		Opening		Closing	
	Intake	-3.9 BTDC		42.1 ABDC	
					Overlap angle -2.4
	Exhaust	47.6 BBDC		1.6 ATDC	

These specs are with cam installed at: 113.0 intake center line 113.0 exhaust center line

Recommended installation angle: 113 (intake center line angle)

Recommended valve springs: GM LS9 or LS6/LS2 valve springs (90 lbs seat/290 lbs open) 1.7:1 rocker applications
 LPE checked and sorted LS9 valve spring kit (PN L230045297) 1.7:1 rocker applications
 LPE LPE beehive LSx spring set (PN L230055297) 1.7 or 1.8:1 rocker applications
 Comp Cams 26918 valve springs 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 also 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). These engines will need an installation kit from LPE.

This camshaft is ground with 0 advance so no offset bushing or adjustable timing gear should be needed for proper installation.

LPE recommends always degreasing in the camshaft to confirm the camshaft location.