

CHEV, HOLDEN V8 LS1, LS2, LS6

Commodore, LS Engine 1999-current with cathedral port heads.

Hydraulic Roller Lifter Camshafts

PART NO.	VALVE TIMING	DUR	.050" DUR.	L/C	VALVE LIFT	POWER RANGE	PART KIT.	COMMENTS
871265 ^{1a}	IN. 22/66 EX. 73/21	268 274	214 221	114	.521" .527"	1500 6000	K871	High torque cam with strong mid range power. Suits heavy vehicles.
871275 ^{1a}	IN. 32/76 EX. 74/22	287 282	218 224	114	.527" .527"	1800 6200	K871	Great street cam with excellent mid range power and torque.
871202 ^{1a}	IN. 29/73 EX. 82/30	282 292	219 224	114	.555" .562"	2000 6300	K873	Performance street cam for good mid range and top end power.
871248 ^{1a}	IN. 28/69 EX. 84/39	277 303	223 233	112	.580" .590"	2200 6500	K873	High lift, high acceleration cam to give sharp performance through the range.
871223 ^{1a}	IN. 32/74 EX. 79/33	286 291	227 231	112	.585" .585"	2400 6600	K873	Street Strip cam with strong mid range power and torque.
871249 ^{1a}	IN. 20/72 EX. 78/32	282 290	227 233	112	.608" .600"	2300 6600	K874	High lift street strip cam with wide power range.
871250 ^{1a}	IN. 32/74 EX. 79/33	289 296	231 241	113	.610" .608"	2400 6800	K874	Street strip cam with very strong mid and top end power and torque
871251 ^{1a}	IN. 35/77 EX. 83/33	292 296	235 243	113	.592" .608"	2600 6900	K874	Street strip cam for top end power Great with modified heads and intake.
871232 ^{1a}	IN. 33/79 EX. 83/33	292 297	239 242	114	.585" .590"	2800 7000	K874	Street able race cam with good torque through mid range and top end.
871252 ^{1a}	IN. 34/81 EX. 86/36	295 302	239 247	114	.614 .614	2900 7200	K872	Race cam for strong top end power. Works best with modified heads & intake
871253 ^{1a}	IN. 36/83 EX. 87/37	299 304	244 250	114	.612 .612	3000 7400	K872	Race cam for larger capacity engines with high flow heads and manifolds

Custom Ground Camshafts

PART NO.	DESCRIPTION
871950	Custom profile roller cam ground on induction hardened steel billet. Solid or hydraulic profile.

Performance Matched Valve Train Kits

KIT NO.	VALVE LIFTER	VALVE SPRING	SPRING RETAINER	SPRING SEAT	PUSH RODS	TIMING SET	COMMENTS
VTKLS8		4438-16	10708	VSS1251			With shims and seals
K871		4231			PR-957	CS8LS1	Suit Mild cams to 0.550" lift
K873		4918			PR-957	CS8LS1	Suit medium –hot cams to 0.600" lift
K872		4438-16	10708		PR5740 ³	CS8LS1	Suit hot race cams to 0.650"
K874		4919			PR-957		Suit hot race cams to 0.625" lift
KLS1-1 ^b	5250	4918	10707	VSS1258	PR957	CS8LS1	Engine kit for medium cams
KLS1-2 ^b	5257	4918	10707	VSS1258	PR5740	CS8LS1	Engine kit for hot street cams
KLS1-3 ^b	5257	4438-16	10708	VSS1251	PR5740	CS8LS1	Engine kit for street / race cams

Holden V8 LS1, Gen III Valve Spring Specifications

PART NO.	INSTALLED HEIGHT	INSTALLED PRESSURE	PRESSURE @.5 LIFT	MAX. LIFT	SOLID HEIGHT	SPRING RETAINER	VALVE LOCKS
4231	1.780"	110	260	0.550"	1.120"	Standard	10701
4918	1.780"	125	275	0.600"	1.080"	Standard	10701
4919	1.780"	135	285	0.625"	1.080"	Standard	10702
4438-16	1.780"	145	335	0.650"	0.950"	10708-16	10702

FITTING NOTES

Converter stall speed should be equal to or greater than the minimum rpm of the cam power range.

1. Must use recommended springs
2. Must use performance retainers
3. Check valve train geometry before ordering pushrod
 - a. Recalibration of computer required
 - b. Also available with LS2 and LS7 timing sets

CHEV, HOLDEN V8 LS

LS Gen III - Gen IV 3 Bolt Cams (must use matching 3 bolt gear)

to suit 2006 to current 6.0, 6.2, 7.0 with rectangular port heads.

Hydraulic Roller Lifter Camshafts								
PART NO.	VALVE TIMING	DUR	.050" DUR.	L/C	VALVE LIFT	POWER RANGE	PART KIT.	COMMENTS
871286 ^{1a}	IN. 29/73 EX.80/32	282 292	219 235	113	0.578" 0.592"	1500 6000	K873	Great street cam with excellent mid range power and torque.
871287 ^{1a}	IN. 25/73 EX.83/31	279 295	227 243	115	0.608" 0.608"	1800 6200	K874	High lift, high acceleration cam to give sharp performance through the range.
871288 ^{1a}	IN. 37/81 EX.89/41	298 310	233 249	114	0.610" 0.610"	2000 6300	K874	High lift street strip cam with wide power range
871289 ^{1a}	IN. 33/79 EX.85/35	291 301	235 251	114	0.592" 0.612"	2200 6500	K874	Street Strip cam with strong mid range power and torque.
871290 ^{1a}	IN. 38/84 EX.99/49	302 329	238 256	114	0.614" 0.614"	2250 6600	K872	High lift street / race cam. Works best with aftermarket or ported heads
871291 ^{1a}	IN. 36/83 EX.91/41	299 312	244 259	114	0.619" 0.622"	2400 7100	K872	Race cam for large cube engines. Good with aftermarket heads and intake.

Custom Ground Camshafts	
PART NO.	DESCRIPTION
871950	Custom profile roller cam ground on induction hardened steel billet. Solid or hydraulic profile.

Performance Valve Train Components suit LS engines			
PART NO	DESCRIPTION	PART NO.	DESCRIPTION
VTKLS8	Double springs, retainers, locks seals & shims	PR-957	Super duty Pushrod Std Length
4231	High Performance conical Valve Springs	PR-956	Super duty Pushrod -0.050
4918	Hot Street Conical Springs to 0.600"	PR-958	Super duty Pushrod +0.050
4919	Street / Race Conical Springs to 0.620"	PR-959	Super duty Pushrod -.025
4438-16 ²	Street / Race double spring	PR5740 ³	Chromoly Pushrod Std Length
10707	Chromoly retainers suit 4231 & 4918 spring	PR5745 ³	Chromoly Pushrod +0.050" Long
10708	Chromoly retainers suit 1.25" dual spring	5250	Std Replacement Roller Hydraulic Lifters
10701	Valve Locks (set)	5251	Hydraulic Roller Lifter with Tie Bar
10702-16	Machined valve locks (set)	5257	Heavy Duty Roller Hydraulic Lifters
VSS1258	Spring seat suit single springs	5258	Short travel hydraulic roller lifter.
VSS1251	Spring seat suit double springs	5260	Solid roller lifters
VS250	Valve spring shim. 0.015", 0.030", 0.060" avail	5261	Solid Roller Lifters with Tie Bar
CS8LS1	Multi Keyway Timing set LS1 5.7	CS8LS1-SR	Single Row Multi Keyway Timing set LS1
CS8LS2	Multi Keyway Timing set LS2 6.0	CS8LS7-SR	Single Row Multi Keyway Timing set LS7
CS8LS7	Multi Keyway Timing set suit 3 bolt cam in VE	CS8LS2-SRV	Vernier Cam Sprocket. LS1,LS2,LS3. 1 row
CS8LS1-VE	VE 3 Bolt cam gear. For use with 3 bolt cam	S9-16	Valve Stem Seals (without spring seat)

LS Supercharger and Turbo Grinds								
PART NO.	VALVE TIMING	DUR	.050" DUR.	L/C	VALVE LIFT	POWER RANGE	PART KIT.	COMMENTS
871292 ^{1a}	IN. 24/72 EX.84/32	276 296	225 244	115	0.606" 0.606"	2200 6500	K874	Supercharger street cam to give sharp performance through the range.
871293 ^{1a}	IN. 34/82 EX.87/36	291 301	235 251	111	0.591" 0.608"	2600 6900	K874	Supercharger street strip cam with strong mid range power and torque.
871294 ^{1a}	IN. 33/81 EX.83/31	293 295	239 242	115	0.585" 0.590"	2800 7000	K874	Street able supercharger race cam with good torque mid range and top end.
871295 ^{1a}	IN. 29/75 EX.75/25	285 280	231 225	114	0.602" 0.608"	2300 6400	K874	Street Strip Turbo cam with strong mid range power and torque.
871296 ^{1a}	IN. 34/76 EX.78/28	290 286	235 231	113	0.603" 0.612"	2600 6900	K872	Street / race Turbo cam. Very strong mid range and top end power.

FITTING NOTES

Converter stall speed should be equal to or greater than the minimum rpm of the cam power range.

WARNING When using earlier model 3 bolt cam gear in L98 engine cam timing will be out 3 degrees

1. Must use recommended springs
2. Must use performance retainers
3. Check valve train geometry before ordering pushrod
- a. Recalibration of computer required