

SHELBY RACING CAMSHAFT KITS

Shelby Camshafts have been used throughout the world for many years and have won their owners countless victories and trophies in all types of racing. All our Cams are ground on new castings that are produced from a special high grade iron alloy compounded for impact and wear resistance and protected from scuff and friction by our own composition of phosphate coating. Our Camshafts are computer designed and conceived and then thoroughly proven on our Shelby

Dynos. Our specifications and performance estimates are based on truth, not fiction, and dollar for dollar or compared in any way, will out-perform any produced in the world today. We offer a complete line of Cams for Ford and Chevrolet engines. Components for our Camshaft kits, such as valve lifters, rocker arms, retainers etc., are the finest available. Make your next Camshaft a Shelby and you will be surprised at the impressive performance and pleased with the price.

camshaft kits - 352-428 cid engines

HYDRO THRUST CAMSHAFT

This camshaft is designed to produce maximum induction flow when used with a free flowing intake manifold and a 715 C.F.M. carburetor or larger. Equal length headers should be used. Camshaft works best with reworked heads but still very strong without. Some loss of torque below 3,300 but still pulls the heavy cars very well. Use with 4-speed or reworked automatic. Good street strip cam. Slightly lumpy on idle. For "63" and later engines only.

GFMD-6250-V	\$ 80.00	Camshaft Only
GFMK-6250-S	\$134.00	Camshaft & Lifters
GFMK-6250-R	\$167.50	Camshaft, Lifters, Springs & Retainers

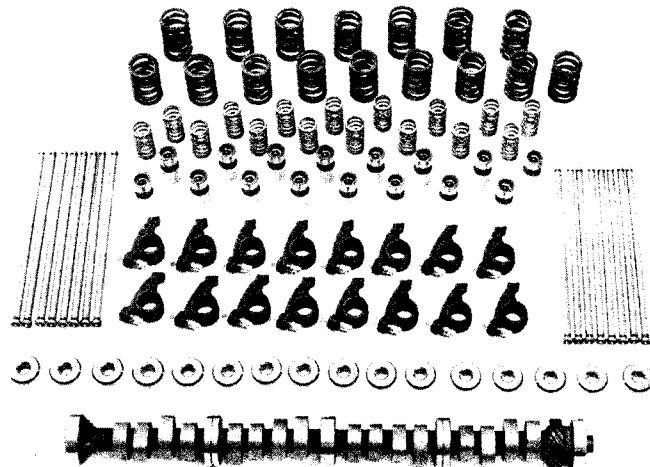
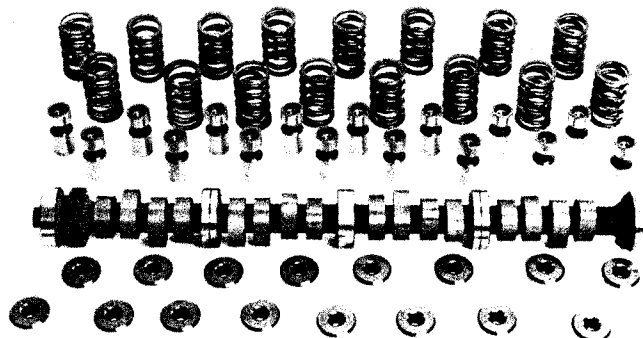
LEMANS KINETIC SUPER FLOW

This camshaft will enable a properly equipped engine to produce a fantastic amount of horsepower and torque. For best results this should be used with 780 cfm carburetor or larger 2-4V induction or fuel injection. Equal length headers are a must. High compression ratio 11 or 12:1. Best with reworked heads and large valves. Develops peak horsepower at around 6,800 so gear accordingly. Use racing type ignition system. Use with 4-speed or beefed hydro.

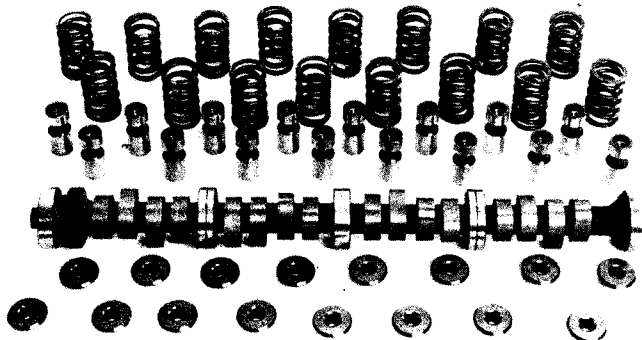
LATE TYPE '63 & LATER

GFMD-6250-W	\$ 96.00	Camshaft Only
GFMK-6250-U	\$124.00	Camshaft & Lifters
GFMK-6250-T	\$190.00	7,000 RPM Camshaft Kit - Includes camshaft, lifters, springs, retainers, push rods, adjustable rocker arms.
GFMK-6250-X	\$225.00	Same as above but with springs that allow up to 8,000 RPM.

**NOTE: Early type is identified by the thrust spring and button used on the front of the camshaft. Usually 1962 and earlier. Late type has a thrust plate that bolts into the front of the block.*



camshaft kits - 352-428 cid engines



SUPER COBRA-JET CAMSHAFT KIT

SHELBY breaks the price barrier or street-strip hydraulic camshafts. Now this new, fantastic camshaft is available for only \$42.50. This is the best all-around camshaft yet developed for the large Ford block (352 thru 428 CID). Fantastic low end torque, and plenty of mid-range and maximum RPM power. Excellent for slightly modified engines, this camshaft can also be used without other high performance equipment. This camshaft gives performance like our famous High Performance Camshafts used in the 289 Ford engines.

GFQD-6250-A	\$ 59.00	Camshaft Only
GFQK-6250-A	\$113.00	Camshaft and Lifters
GFQK-6250-B	\$146.50	Camshaft, Lifters and Springs

HYPER-LIFT ANNIHILATOR CAMSHAFT

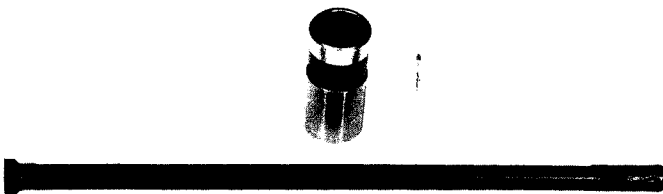
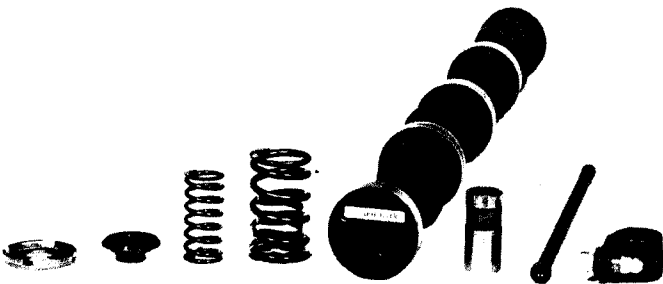
Here is our new camshaft for the serious Drag Race Enthusiast. This camshaft has 330° of exhaust and intake duration and .625" lift. Not designed for street usage, but for maximum output and maximum RPM only. In order to obtain maximum horsepower with this camshaft it is vital that the engine be in full competition trim. Large valve cylinder heads should be used along with equal length extraction headers, multiple carburetion or injection, and modified ignition. The complete kit includes: Camshaft, rocker arms, special lightweight, shell-type lifters, chrome Moly push rods, aluminum valve spring retainers, and special valve springs with inner and outer coils, and damper, and special bottom valve spring seats. This camshaft kit should only be installed by a competent racing mechanic, and it is mandatory to check for piston to valve clearance as pistons may have to be flycut to eliminate interference.

GFPD-6250-A	\$ 96.50	Camshaft only
GFPK-6250-B	\$295.00	Camshaft Kit -
		Complete as described above
GFPK-6250-C	\$264.00	Camshaft Kit - Above described kit less Rocker Arms

LIGHTWEIGHT PUSH ROD AND LIFTER KIT

This push rod and lifter combination can be used with any of our large engine solid lifter camshafts. Reduces valve gear weight and allows higher RPM. Lifters are special hardenable iron lightweight shell type. Push rods are chromemoly alloy and work directly off the base of the lifter.

GFMK-6501-A	\$ 85.00
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TYPE GRIND	Engine Size	Tappet	INTAKE				EXHAUST				Valve Lift (Inches)
			Open BTDC (Degrees)	Close ABDC (Degrees)	Duration (Degrees)	Tappet Clearance - Hot (Inches)	Open BBDC (Degrees)	Close ATDC (Degrees)	Duration (Degrees)	Tappet Clearance - Hot (Inches)	
Super Cobra-Jet	352 thru 428	Hydraulic	24	78	282	-	82	34	296	-	.500
Hydro Thrust	352 thru 428	Hydraulic	38	82	300	-	82	38	300	-	.515
Le Mans Kinetic	352 thru 428	Solid	51	93	324	.025	89	55	324	.025	.528
Hyper-Lift Annihilator	352 thru 428	Solid	60	90	330	.025	94	56	330	.025	.625

NOTE: Above data is theoretical and taken at the cam lobe.



THE PERFORMANCE LINE

camshaft kits 221-351 cid boss engines

STREET HYDRAULIC CAMSHAFT KITS

A revolutionary camshaft design provides optimum performance for street use. Hydraulic lifters operate smoothly and without noise. This camshaft will add 25 horsepower and run to 6000 rpm. High performance valve springs, as furnished in kit, are required for best results.

Description	Part No.	Price
Camshaft only	GFJD-6250-C	\$ 50.00
Camshaft and Lifters	GFJK-6250-E	\$104.50
221-289 CID Camshaft, Lifters and Springs	GFJK-6250-F	\$130.50
302 CID Camshaft, Lifters and Springs	302K-6250-F	\$130.50
351 CID Camshaft, Lifters and Springs	351K-6250-F	\$130.50

HIGH PERFORMANCE CAMSHAFT KITS

This camshaft provides excellent performance for street use and weekend competitive events. Adds more than 25 horsepower to engine output and affords excellent torque. Solid lifters allow revs to 6500 rpm.

Description	Part No.	Price
Camshaft only	GFJD-6250-J	\$ 42.50
Camshaft and lifters	GFJK-6250-G	\$ 72.50
221-289 CID Camshaft, lifters and springs	GFJK-6250-H	\$ 98.50
302 CID Camshaft, Lifters and springs	302K-6250-H	\$ 98.50
351 CID Camshaft, Lifters and Springs	351K-6250-H	\$ 98.50

ROAD AND DRAG CAMSHAFT KITS

This camshaft is recommended for competition and "hot" street use. Provides excellent torque and increases output by 30 horsepower. This unit is designed specifically for operation between 3000 and 6800 rpm. NOTE: Duration of 284° requires that flycut racing pistons be used with this camshaft.

Description	Part No.	Price
Camshaft only	GFJD-6250-A	\$ 77.50
Camshaft and Lifters	GFJK-6250-D	\$107.50
221-289 CID Camshaft, Lifters and Springs	GFJK-6250-A	\$133.50
302 CID Camshaft, Lifters and Springs	302K-6250-A	\$133.50
351 CID Camshaft, Lifters and Springs	351K-6250-A	\$133.50
Boss 302—Camshaft, Lifters, Springs, Retainers and Spring Seats	BOSK-6250-A	\$190.00

SUPER ROAD & DRAG CAMSHAFT KITS

This camshaft has been a winner on race courses around the world. Designed strictly for competition, it increases engine output by 35 horsepower and operates well from 4000 to 7000 rpm. Operates particularly well with multiple carburetion. NOTE: Valve lift of 0.508" requires that flycut racing pistons be used with this camshaft.

Valve springs are competition type with inner and outer springs and aluminum retainers.

Description	Part No.	Price
Camshaft only	GFJD-6250-B	\$ 87.50
Camshaft and Lifters	GFJK-6250-C	\$117.50
221-351 CID Camshaft, Lifters and Springs	GFJK-6250-B	\$161.50
Boss 302—Camshaft, Lifters, Springs, Retainers and Spring Seats	BOSK-6250-B	\$190.00

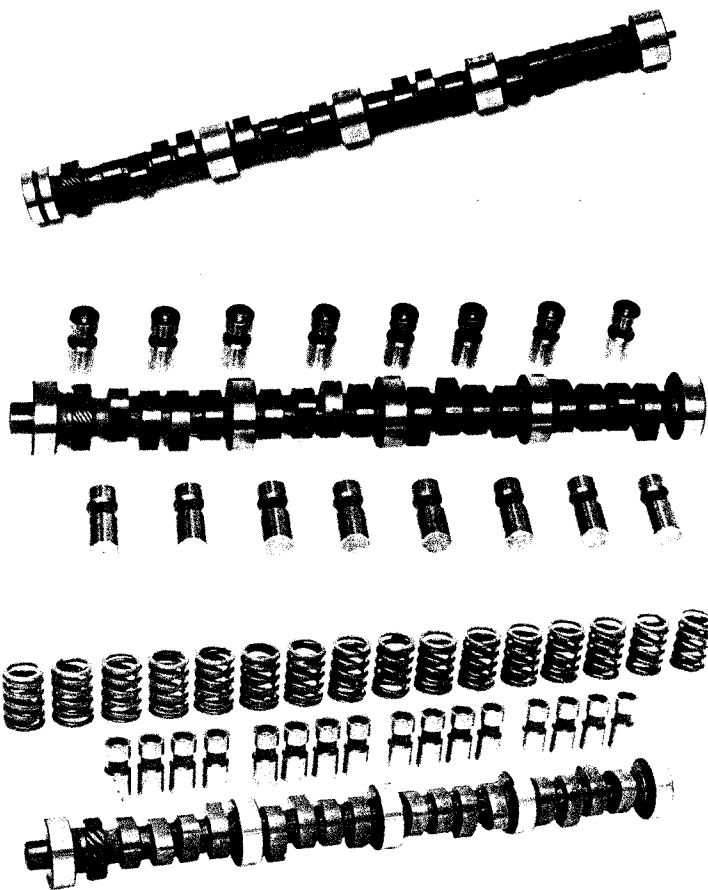
SPECIFICATIONS

Camshaft timing specifications are valuable only when related to valve action. The specifications shown below reflect actual valve movement and not camshaft lobe readings. Timing is measured at the valve with 0.001" lift.

Although camshafts are sold separately, we strongly recommend the installation of new lifters when installing new camshafts. This prevents lobe scuffing and early cam failure.

When the following Camshafts are used in the 302 BOSS, there is a slight variation of these specifications because of a different Rocker Arm Ratio. The correct data is included with the Camshaft.

TYPE GRIND	Engine Size	Tappet	INTAKE				EXHAUST				Valve Lift (Inches)
			Open BTDC (Degrees)	Close ABDC (Degrees)	Duration (Degrees)	Tappet Clearance - Hot (Inches)	Open BBDC (Degrees)	Close ATDC (Degrees)	Duration (Degrees)	Tappet Clearance - Hot (Inches)	
Street Hydraulic	221, 260, 289, 302, 351	Hydraulic	21	61	262	—	71	11	262	—	.446
High Performance	221, 260, 289, 302, 351	Solid	24	68	272	.018	72	19	272	.018	.450
Road & Drag	221, 260, 289, 302, 351	Solid	29	75	284	.018	75	29	284	.020	.445
Super Road & Drag	221, 260, 289, 302, 351	Solid	37	72	289	.025	76	33	289	.025	.508
Supersnake Dragster 291*	221, 260, 289, 302, 351	Solid	44	77	291	.030	81	44	291	.030	.522



SUPERSNAKE DRAGSTER 291°

One step beyond the super road and drag this camshaft was developed to keep pace with improvements in induction systems, carburetors, connecting rods etc., that have allowed higher RPM. This cam will produce an increase in horsepower at the higher range (5000 rpm and over) over the super road and drag camshaft. However the engine must be equipped with the new large CFM carburetors and the best in headers and ignition. The springs provided in the cam lifters and spring kits are the finest inner and outer with damper and aluminum retainer. Pistons must be fly cut to provide proper piston to valve clearance or use Shelby Pistons 289 #GFJK-6108-B 351 #351K-6108-A

Description	Part No.	Price
Cam only	GFJD-6250-E	\$100.00
Cam & Lifters	GFJK-6250-L	\$130.00
221-351 CID Cam Lifters springs & retainers	GFJK-6250-M	\$174.00
Boss 302—Camshaft, Lifters, Springs, Retainers and Spring Seats	BOSK-6250-C	\$230.00

camshaft kits 351 cid cleveland engines

The following new camshafts for the 351-C engine are all new and have been created only after countless hours of exhaustive dyno and engineering tests. This new engine, with its extremely large intake valve and port configura-

tion, demands special cam profiles to maintain the velocity of the incoming fuel air charge. These new camshafts are the finest, and we know you will be more than pleased with the performance these cams offer.

STREET HYDRAULIC CAMSHAFT KITS

A revolutionary camshaft design provides optimum performance for street use. Hydraulic lifters operate smoothly and without noise. This camshaft will add 55 horsepower and run to 6000 rpm. High performance valve springs, as furnished in kit, are required for best results.

Valve springs are competition type with inner and outer springs and aluminum retainers.

Camshaft only	351D-6250-F	\$ 50.00
Camshaft and Lifters	351K-6250-L	\$104.50
Camshaft, Lifters, Springs, Retainers and Bottom Spring Seats	351K-6250-M	\$176.00

HIGH PERFORMANCE CAMSHAFT KITS

This camshaft provides excellent performance for street use and weekend competitive events. Adds more than 60 horsepower to engine output and affords excellent torque. Solid lifters allow revs to 6500 rpm.

Valve springs are competition type with inner and outer springs and aluminum retainers.

Camshaft only	351D-6250-D	\$ 50.00
Camshaft and Lifters	351K-6250-J	\$ 80.00
Camshaft, Lifters, Springs, Retainers and Bottom Spring Seats	351K-6250-K	\$150.00

ROAD AND DRAG CAMSHAFT KITS

This camshaft is recommended for competition and "hot" street use. Provides excellent torque and increases output by 70 horsepower. This unit is designed specifically for operation between 3000 and 6800 rpm.

Valve springs are competition type with inner and outer springs and aluminum retainers.

Camshaft only	351D-6250-C	\$ 90.00
Camshaft and Lifters	351K-6250-N	\$120.00
Camshaft, Lifters, Springs, Retainers and Bottom Spring Seats	351K-6250-P	\$191.00

SUPER ROAD & DRAG CAMSHAFT KITS

This camshaft has been a winner on race courses around the world. Designed strictly for competition, it increases engine output by 80 horsepower and operates well from 4000 to 7000 rpm. Operates particularly well with multiple carburetion. NOTE: Valve lift requires that flycut racing pistons be used with this camshaft, or use Shelby pistons #351K-6108-B.

Valve springs are competition type with inner and outer springs and aluminum retainers.

Camshaft only	351D-6250-G	\$100.00
Camshaft and Lifters	351K-6250-R	\$130.00
Camshaft, Lifters, Springs, Retainers and Bottom Spring Seats	351K-6250-S	\$200.00

SPECIFICATIONS

Camshaft timing specifications are valuable only when related to valve action. The specifications shown below reflect actual valve movement and not camshaft lobe readings. Timing is measured at the valve with 0.001" lift.

Although camshafts are sold separately, we strongly recommend the installation of new lifters when installing new camshafts. This prevents lobe scuffing and early cam failure.

TYPE GRIND	Tappet	INTAKE				EXHAUST				Valve Lift (Inches)
		Open BTDC (Degrees)	Close ABDC (Degrees)	Duration (Degrees)	Tappet Clearance - Hot (Inches)	Open BBDC (Degrees)	Close ATDC (Degrees)	Duration (Degrees)	Tappet Clearance - Hot (Inches)	
Street Hydraulic	HYD.	36°	74°	290°	HYD.	84°	26°	290°	HYD.	.498
High Performance	Solid	39°	78°	297°	.025	83°	34°	297°	.025	.494
Road & Drag	Solid	41°	76°	297°	.025	79°	38°	297°	.025	.494
Super Road & Drag	Solid	57°	84°	321°	.025	87°	54°	321°	.025	.589

NOTE: When installing solid lifter Camshaft in this engine, Adjustable Push Rods or the adjustable Rocker Guide Plate and Stud Kit must be used. See page 20.



THE PERFORMANCE LINE

camshaft kits 429-460 cid engines

STREET HYDRAULIC CAMSHAFT KITS

A revolutionary camshaft design provides optimum performance for street use. Hydraulic lifters operate smoothly and without noise. This camshaft will add 25 horsepower and run to 6000 rpm.

Valve springs are competition type with inner and outer springs and aluminum retainers.

Camshaft only	429D-6250-D	\$ 50.00
Camshaft and Lifters	429K-6250-E	\$104.50
Camshaft, Lifters, Springs, Retainers and Bottom Spring Seats	429K-6250-F	\$176.00

HIGH PERFORMANCE CAMSHAFT KITS

This camshaft provides excellent performance for street use and weekend competitive events. Adds more than 25 horsepower to engine output and affords excellent torque. Solid lifters allow revs to 6500 rpm.

Valve springs are competition type with inner and outer springs and aluminum retainers.

Camshaft only	429D-6250-A	\$ 50.00
Camshaft and Lifters	429K-6250-B	\$ 80.00
Camshaft, Lifters, Springs, Retainers and Bottom Spring Seats	429K-6250-C	\$150.00

ROAD AND DRAG CAMSHAFT KITS

This camshaft is recommended for competition and "hot" street use. Provides excellent torque and increases output by 30 horsepower. This unit is designed specifically for operation between 3000 and 6800 rpm.

Valve springs are competition type with inner and outer springs and aluminum retainers.

Camshaft only	429D-6250-G	\$ 90.00
Camshaft and Lifters	429K-6250-H	\$120.00
Camshaft, Lifters, Springs, Retainers and Bottom Spring Seats	429K-6250-J	\$191.00

SUPER ROAD & DRAG CAMSHAFT KITS

This camshaft has been a winner on race courses around the world. Designed strictly for competition, it increases engine output by 35 horsepower and operates well from 4000 to 7000 rpm. Operates particularly well with multiple carburetion. NOTE: Valve lift of _____ requires that flycut racing pistons be used with this camshaft.

Valve springs are competition type with inner and outer springs and aluminum retainers.

Camshaft only	429D-6250-K	\$100.00
Camshaft and Lifters	429K-6250-L	\$130.00
Camshaft, Lifters, Springs, Retainers and Bottom Spring Seats	429K-6250-M	\$200.00

SPECIFICATIONS

Camshaft timing specifications are valuable only when related to valve action. The specifications shown below reflect actual valve movement and not camshaft lobe readings. Timing is measured at the valve with 0.001" lift.

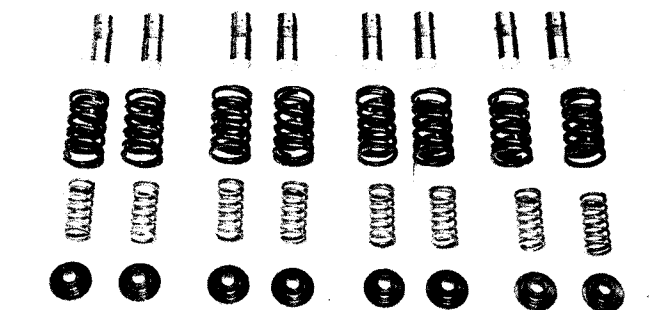
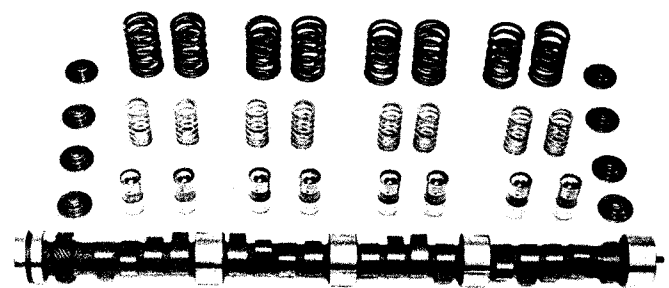
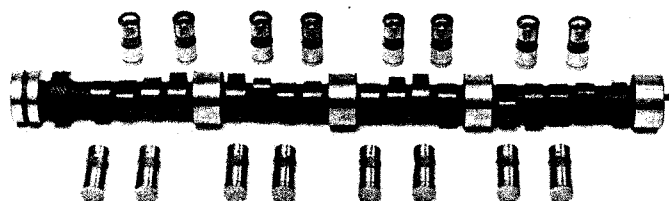
Although camshafts are sold separately, we strongly recommend the installation of new lifters when installing new camshafts. This prevents lobe scuffing and early cam failure.

TYPE GRIND	Tappet	INTAKE				EXHAUST				Valve Lift (Inches)
		Open BTDC (Degrees)	Close ABDC (Degrees)	Duration (Degrees)	Tappet Clearance - Hot (Inches)	Open BBDC (Degrees)	Close ATDC (Degrees)	Duration (Degrees)	Tappet Clearance - Hot (Inches)	
Street Hydraulic		AVAILABLE AFTER APRIL 1, 1970								
High Performance										
Road & Drag										
Super Road & Drag										

camshaft kits - chevrolet racing cams

New from Shelby — racing camshafts for Chevrolet engines. Thoroughly dyno proven and carefully designed to give maximum torque at low and mid R.P.M. ranges and optimum performance at extreme R.P.M.'s. Valve springs are competition

type with outer and inner spring and aluminum retainers. This spring and cam combination will rev to 8,000 R.P.M. Lifters are special hardenable iron for strength and long camshaft life.



MARK IV ROAD AND DRAG

Street/strip camshaft. Will pull well at 2,500 R.P.M. and rev to 8,000 R.P.M. Works well with automatic transmissions.

283 thru	GCWD-6250-E Camshaft Only	\$ 63.00
	GCWK-6250-E Cam & Lifters	\$ 90.00
350 C.I.D.	GCWK-6250-F Cam, Lifters & Springs	\$130.00
396 &	GCPD-6250-H Camshaft Only	\$ 63.00
427	GCPK-6250-H Cam & Lifters	\$ 90.00
	GCPK-6250-J Cam, Lifters & Springs	\$130.00

MARK VIII SUPER ROAD AND DRAG

Good extreme power output camshafts for the serious racer. Power comes in above 3,500 R.P.M. Use with headers, multiple carburetion and large valves. Excellent drag race camshaft.

283 thru	GCWD-6250-A Camshaft Only	\$ 63.00
	GCWK-6250-A Cam & Lifters	\$ 90.00
350	GCWK-6250-B Cam, Lifters & Springs	\$130.00
396 &	GCPD-6250-C Camshaft Only	\$ 63.00
427	GCPK-6250-C Cam & Lifters	\$ 90.00
	GCPK-6250-D Cam, Lifters & Springs	\$130.00

NOTE: Special cutter to install inner valve spring on 283 thru 350 C.I.D. engines.

Part #GCRD-6513-A.

\$22.00 deposit refundable.

TYPE GRIND	Engine Size (C.I.D.)	Tappet	INTAKE				EXHAUST				Valve Lift (Inches)
			Open BTDC (Degrees)	Close ABDC (Degrees)	Duration (Degrees)	Tappet Clearance Hot (Inches)	Open BBDC (Degrees)	Close ATDC (Degrees)	Duration (Degrees)	Tappet Clearance Hot (Inches)	
Road & Drag	283 thru 350 C.I.D.	Solid	33°	81°	293°	.018	80°	34°	294°	.018	.445
Road & Drag	396 thru 427	Solid	54°	102°	336°	.020	91°	42°	343°	.024	.513
Super Road & Drag	283 thru 350 C.I.D.	Solid	46°	97°	323°	.028	88°	49°	327°	.032	.516
Super Road & Drag	396 thru 427	Solid	55°	107°	342°	.022	96°	57°	333°	.022	.560