

Cam Selection Process

When selecting a cam there are a number of important points to consider, but one outshines the rest - being realistic and honest about what you expect your engine to do. Even if you love the lope of a monster cam, requiring that characteristic from a daily street driver is unrealistic. By selecting the right cam for your engine, you can generate tons of torque, extend your engine's rpm limit, retain reliability, and in some cases, even pick up a few extra miles per gallon.

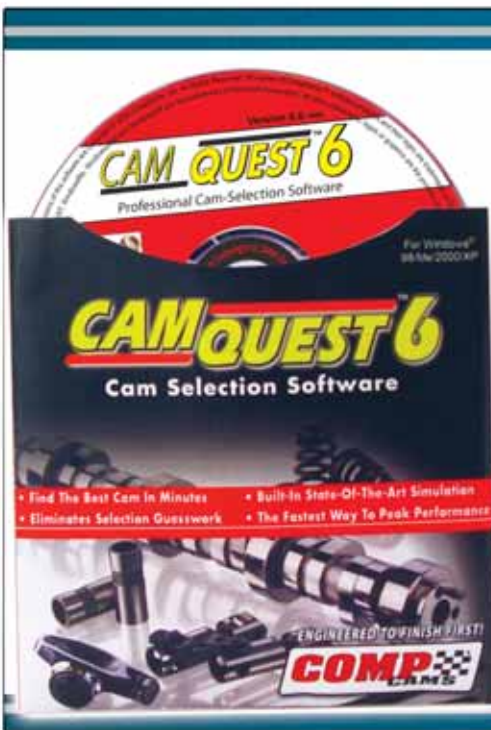
Part of the cam selection process has nothing to do with power generation. In a street driven vehicle with various engine accessories, it is important to select a camshaft that generates the proper amount of engine vacuum. Next, honestly determine the rpm range in which you require your engine to operate. This will also help you find the matching valve train components required to build the most power, torque and reliability.

At the core of the cam selection process is determining the lifter style that fits your needs. If you are looking for an inexpensive and uncomplicated lifter, then hydraulic flat tappet lifters are the way to go. Solid flat tappet lifters offer a great nostalgic sound and great performance but must be adjusted on a periodic basis. Today's newest alternative is the long lasting and low maintenance hydraulic roller lifter, a favorite of many performance engine builders. But remember, when in doubt, our CAM HELP® experts are there to make sure you find the right cam for your engine, regardless of your application.

Cam Selection Quick Reference Chart

Usage	XFI™		Xtreme Energy™	X.E.		Magnum	Magnum	High Energy™	Torque Converter	Intake Manifold	Exhaust	Vacuum Access.
	XFI™ Hydr.	Hydr. Roller		Hydr. Roller	Hydr.							
Gas Mileage	N/A	N/A	250	252	N/A	N/A	252	Stock	Stock	Stock	OK	
Towing	252XFI	252XFI	250	258	N/A	N/A	260	Stock	Stock	Stock	OK	
Mild Street Performance	260XFI	260XFI	256	264	N/A	N/A	260	Stock	Stock	Stock	OK	
Moderate Street Performance	260XFI	260XFI	262	270	270	270	268	Stock	Dual Plane	Dual	OK	
High Performance Street	268XFI	268XFI	268	276	280	282	N/A	Stock-2500 Stall	Dual Plane	Headers	Marginal	
Street/Strip	280XFI	280XFI	274	288	286	282	N/A	2200-2800 Stall	Single Plane	Headers	Marginal	
Light Street/Mostly Strip	292XFI	292XFI	284	294	292	294	N/A	2800-3300 Stall	Single Plane	Headers	Required	
Bracket Racing/Pro Street	N/A	N/A	294	300	305	306	N/A	3200-3500 Stall	High Rise	Headers	Required	

Product Spotlight



CAMQUEST™ 6 CAM SELECTION SOFTWARE

Camshaft & valve train component selection has never been easier!

The new COMP Cams® CamQuest™ 6 PC-based cam selection software allows the user to find the right camshaft by answering a few application-specific questions from the program's simple drop-down menu screen. Best of all, along with the camshaft recommendations, CamQuest™ also suggests a list of power-matched COMP Cams® valve train components to help generate the best power and overall engine durability.

- Recommends cams based on criteria selection, provides spec. card data and predicts power & torque output
- Use it to compare different types of cams (hydraulic roller to flat tappet to solid roller) to see which best fits your application & requirements
- Works for carbureted, EFI, supercharged, turbo & nitrous applications
- Has a variety of popular head & manifold combinations to choose from, or you can enter exact flow numbers
- Picks cams for stock replacement to serious race applications and all points between (38 different usage classifications to choose from)

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