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MiscRes: Magazine Articles

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"Hot XL Cams" - Your Guide to High Performance Camshafts

BUYER'S GUIDE

HOT XL CAMS

Your Guide To High Performance Camshafts

If you have been changing various engine components in your search for more power from your Sportster, you'll inevitably get around to swapping out the stock camshafts for some that are more aggressive. Actually, there's no way around it if you are truly serious about getting better performance. Hotter cams will wake up those slumbering cubic inches. So to help you along, we've put together this compilation of cam suppliers. What we didn't include in this guide are the many companies that sell other people's cams. Instead, we just listed the company that offers its own line.

FLO HEADWORKS

Flo Headworks offers, with the help of Crane Cams and Andrews Products, specially-ground camshafts designed as per your engine and riding needs. The process starts with your call for a specification information sheet. Perry at Flo Headworks can help you accurately fill out the sheet. This information is then sent to Crane Cam Design where it is analyzed by computer. The results are then sent to Andrews Products where the cam is actually ground and then sent to Flo Headworks. The complete cycle usually takes about 60 days from the time your specifications and 50% deposit is received. For more information contact Perry at Flo Headworks, Dept. HXL, (805) 481-6300.

WALTERS

Walters Technologies supplies or recommends camshafts based on individual needs. The company makes camshafts ranging from .510" lift all the way up to wild .955" lifts. But

before it will make or sell a cam, each customer must fill out a complete order form which asks for information like the engine's bore, stroke, compression, exhaust system, intake system, carburetor, and head flow specs. In this way, it can design a cam to fit your particular machine. For more information and pricing, contact Walters Technologies, PO Box 451, Dept. HXL, Richland Center, Wis. 53581.

ZIPPER'S



Zipper's Red Shift cams are designed to be used in engines that have been modified for performance. Ported heads, increased compression, high-flowing carbs and exhaust systems, and performance ignition systems will help these grinds deliver their full potential. These are not "bolt-in" cams; in all cases a certain amount of cylinder head set-up will be required. A performance valve spring kit is a must. The Red Shift product line has been expanded to include not only new cutting edge racing cams, but street grinds as well.

Zipper's Sportster cams are made using your matched set of stock cam gears, which you must supply. This is mainly because of the literally hundreds of cam gear sizes used by Harley-Davidson to tighten gear lash on the Sportster. Using the original gears insures correct cam gear fitment. For more information and pricing, contact Zipper's Performance Products, 8040 Washington Blvd., Dept. HXL, Jessup, Md. 20794, (410) 799-8989.

ANDREWS



Andrews Products is a pioneer in computer designing and manufacturing camshafts for motorcycles. Since the early 1970s, Andrews has used the latest technology to manufacture and design its cams. It offers a full line of grinds to suit all Sportster engines, Evos and Ironheads, from mild street to wild track applications. Its camshafts are made from the highest quality materials and are precision ground to exacting tolerances. For more information, pricing, or a free 32-page color catalog, contact Andrews Products, 5212 N. Shapland, Dept. HXL, Rosemont, Ill. 60018, (773) 992-4014.

ROMINE RACING

Romine cams are high quality billet camshafts made for high performance street or strip Sportsters. Custom grinds are also available. For more information and pricing, contact Romine Racing, 70906 M-66 South, Dept. HXL, Sturgis, Mich. 49091, (616) 651-9081.

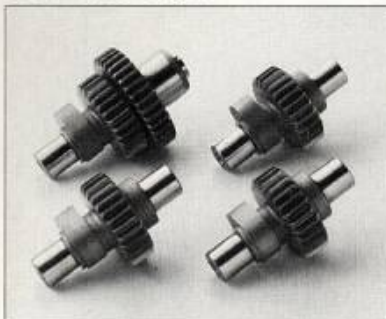
S&S CYCLE

S&S Cycle offers camshafts for your Evo Sportster. At the time of this writing, S&S was adding some not-yet-available products to its camshaft line. For more informa-

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tion and pricing, contact S&S Cycle, Inc., Box 215, Rt. 2, Dept. HXL, County G, Viola, Wis. 54664, (608) 627-1497.

SCREAMIN' EAGLE



Harley-Davidson offers a bolt-in alternative to the stock camshaft in your XL Evolution engine. These camshafts are designed and engineered specifically for use with the stock production hydraulic lifters, springs, and pushrods. These camshaft profiles offer longer durations on both the intake and exhaust for greater peak torque and improved horsepower from 2500-6000 RPM. The #25628-89 camshafts fit 1986-90 Evo four-speed models and the #25648-91 cams fit 1991 and later five-speed models.

Harley-Davidsons modified with some Screamin' Eagle hi-po parts must not be used on public roads and in some cases may be restricted to closed-course competition. For more information and pricing, see your local Harley-Davidson dealer.

EDELBROCK



Edelbrock now offers a dyno-matched camshaft for your Edelbrock-equipped Harley. Its engineers have tested these cams along with its cylinder heads, manifolds, QwikSilver carbs, and Edelbrock/JE pistons. Its dyno tests show that the Edelbrock Total Power Package provides outstanding torque and horsepower

for a bike that accelerates throughout the power band. Edelbrock offers these packages as a "no guesswork" combination of engine components. Edelbrock's Performer RPM cam matches with its Performer RPM heads for awesome power in high-performance Sportsters (.590" lift). Order the #1742 camshafts to fit 1986-90 four-speed models while the #1743 cams fit 1991 and later five-speed models. For more information, pricing, or a free catalog, contact Edelbrock Corp., 2077 Calif. Street, Dept.HXL, Torrance, California 90503, (800) FUN-TEAM.

LEINEWEBER

Jim Leineweber designs and manufactures camshafts for everyone from the performance street rider to the professional racer. Catalog items and one-of-a-kind cams are available. Flathead camshaft restoration is a specialty. For more information, pricing, or a free catalog, contact Leineweber Enterprises, PO Box 335, Dept. HXL, Yucca Valley, Calif. 92286, (760) 364-3402.

SIFTON



All Sifton Sportster cams are made of the highest quality alloy steel. These cams are also Rockwell tested to insure that each one is the exact hardness that Sifton's experience has shown to be the best. All cam journals are cylindrically-ground to insure roundness and held to very close tolerances. Sifton accuracy assures extremely smooth, trouble-free installation. All cam lobes are ground from the same center used to grind the journals which guarantees consistent, precise valve timing. Sifton cuts all its own cam gears but still checks every one for size and concentricity before assembly. For more information and pricing, contact Sifton Motorcycle Products, 943 Bransten Road, Dept.HXL, San Carlos, Calif. 94070, (800) 227-1962. ■



FLASH RACE SPONSOR HIGHLIGHT: S&S CYCLE

As you probably know, we ran the FLASH Race in Sturgis again. This was our fifth consecutive year. But during the course of this year, we thought we'd go a little further to help thank our sponsors: Performance Machine, S&S, Spectro Oils, JIMS, Hooker, Screamin' Eagle, and Corbin. So here's some history and info on S&S Cycle.

Since S&S Cycle opened in 1958, the company has been devoted to developing and marketing performance products for Big Twins and Sportsters.

Early on, S&S introduced stroker and big bore cylinder kits. The Super series of performance carburetors, most notably the Super E, has been the carb of choice by riders all over the world.

More recently, S&S has introduced a line of 3-5/8" and 4" bore performance engines ranging in size from 88 to 113 cubic inches, each one comprised exclusively of S&S components. The company has also developed both performance and stock replacement parts for Knuckles, Pans, and Shovels that include crankcases, cylinders, and cylinder head kits, among others.

For more info on S&S Cycle products, contact them at Rt. 2, Box 215, Dept. HXL, County G, Viola, WI 54664, (608) 627-1497.



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