

2016 HARLEY-DAVIDSON®

SCREAMIN' EAGLE® PRO RACING PARTS

COMPETITION & PERFORMANCE PARTS FOR THE EXPERIENCED RIDER



TOO FAST? FOR US, THERE IS NO SUCH THING.

Racing has been the backbone of Harley-Davidson since the story began 112 years ago — bringing hard-core enthusiasts together on the track, in the pits and in the stands. Screamin’ Eagle® Pro Racing Parts are designed to race and engineered to win — fueling adrenaline, igniting crowds and delivering high-performance results. Harley-Davidson supports competition on both the professional and amateur levels. Whether fielding championship NHRA® Pro Stock Motorcycle drag racing and AMA Pro Racing Flat Track Teams or encouraging grass-roots racers to hit the strip, Harley-Davidson believes in the spirit of two-wheeled competition.

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For the latest information on Screamin’ Eagle® Pro Racing Parts, see your Harley-Davidson® dealer, or visit h-d.com/racing.



HARLEY-DAVIDSON® RACING

NHRA® MELLO YELLO® PRO STOCK MOTORCYCLE RACING

Experience the ultimate in side-by-side two-wheeled competition. This elite class of professional racing delivers a high-octane, high adrenaline rush like no other. With blazing speeds up to 200 mph, NHRA Pro Stock Motorcycle drag racing is the culmination of perfect timing, raw horsepower and flawless precision. *To follow the Screamin' Eagle®/Vance & Hines factory team, visit www.harley-davidson.com/racing.*

NHRA® HARLEY-DAVIDSON® DRAG RACING SERIES

Ever wondered what it would feel like to tear down the track? It's time to make that dream a reality. NHRA competition provides even novice racers the opportunity to experience the high-octane adrenaline of drag racing on their own street bike or race-prepped machine. Harley-Davidson is the Series Sponsor—the largest sponsor of all six Screamin' Eagle classes. *For full details, visit www.nhra.com.*

AMA PRO FLAT TRACK RACING

Some battles are best fought on the dirt. AMA Pro Flat Track Racing blends tradition with sights, sounds and action to produce the best in wheel-to-wheel competition. Racing at speeds up to 140 mph, purpose-built Harley-Davidson®XR-750-powered motorcycles battle the competition at events like the XGames, highlighting one of the most exciting sports on two wheels. *To follow the Harley-Davidson® factory team, visit www.harley-davidson.com/racing.*





PUT IT TO THE TEST

The foundation of the Sportsman Draggin' Bagger class is the Screamin' Eagle® SE120R engine, a fully assembled race-use performance engine that is built by Harley-Davidson. The 120-cubic-inch engine produces an awesome 135 horsepower and 137 lb-ft of torque at the rear wheel. The DB class is reserved for '99-later Touring models equipped with the 120R engine and features rules that limit the modifications to ensure low entry cost and a high level of competition. For more information and complete class rules, visit www.NHRAracer.com.



RELIABILITY—RUN AFTER RUN

To help you spend more time on the track and less time spinning wrenches, we also added everything you need to make this motor “bulletproof.” High-lift rocker arms live in forged rocker supports, and are motivated by perfect-fit pushrods and roller tappets. The cams are held in place by a billet cam support plate, and the crank rides in a premium Lefty roller bearing. The top and bottom ends are tied together with high tensile cylinder studs, and the power is put to the ground through a billet clutch hub and race disc package.



BIGGER-BORE CYLINDER KIT



MVA CYLINDER HEADS



RACE CLUTCH KIT

ANATOMY OF A PERFORMANCE ENGINE

Power Plant. Milwaukee Muscle. Big Twin. Mill. Whatever you call it, your engine is the single most important factor in improving your bike's performance. Decide whether you want a street-legal Stage Kit for more passing power, or a big-bore monster motor that'll melt the asphalt right off the track. Check out the basics outlined below and let your dealer know how you plan to embarrass your competition. Again.

MOVE MORE AIR & FUEL

Moving more air and fuel through the engine is the easiest (and most cost effective) way to make more horsepower and torque. A free-flowing air cleaner and matching tuned exhaust will add performance you can feel. To optimize engine performance (and to minimize the risk of engine damage), any changes to the intake and exhaust system must be accompanied by an increase in fuel flow. Re-jetting the carburetor or recalibrating the fuel-injection Electronic Control Module (ECM) will alter the amount of fuel and determine the precise moment at which fuel is released into the combustion chamber. Whenever you're planning on making performance upgrades, make sure to consult your Harley-Davidson® dealer about the results you want to achieve.



CAMSHAFTS

Camshafts are a fundamental ingredient in the performance recipe, because they control the timing and duration of all major engine events. They are the primary means by which you can tune your engine's horsepower and torque output. Every cam has unique lift and overlap performance characteristics, which means you need to select cams based on exactly the kind of power you're looking for. If you need increased torque to launch a heavy bike off the line, or high horsepower to improve trap speed with a lightweight bike, Screamin' Eagle® cams are available in a wide variety of configurations engineered to help you achieve the results you crave.



FLYWHEELS & CYLINDERS

To reach your displacement goals, Screamin' Eagle® Pro Racing Parts provides big-bore cylinder and stroker flywheel options to meet your specifications.



PISTONS & RINGS

Selecting the proper piston for your engine's performance characteristics is a little bit science, and a little bit art. That's why we design pistons that are matched to specific combinations of bore, stroke, cylinder head design and cam specifications. To minimize wear and improve compression and oil control, many of our Screamin' Eagle® Pistons are equipped with state-of-the-art Stainless Steel Twist (SST) piston rings.



DISPLACEMENT

When it comes to increasing engine power, there's no substitute for cubic inches. Assuming efficient volumetric filling and proper air/fuel mixture, the bigger the displacement, the more power your engine can produce. Essentially, there are three ways to increase your racing engine's displacement: by increasing cylinder bore, by increasing piston stroke, or by increasing both the cylinder bore and piston stroke. Remember, stroke refers to the vertical distance a piston travels inside a cylinder, and bore refers to the diameter of the cylinder chamber in which the piston travels. What all this means is that you can enlarge your racing engine's displacement by installing cylinders with a bigger bore and/or by adding a stroker flywheel and crankshaft combination to increase piston stroke.

DISPLACEMENT CALCULATION

$$1.57 \times \text{Bore} \times \text{Bore} \times \text{Stroke}^*$$

EXAMPLE

110 cubic inch = 4 in. Bore, 4.375 in. Stroke

$$1.57 \times 4 \times 4 \times 4.375 = 109.9$$

*valid for 2-cylinder engine

COMPRESSION RATIO CALCULATION

$$(V_d + V_c) / V_c$$

V_d = volume displaced by 1 cylinder

V_c = volume above the piston

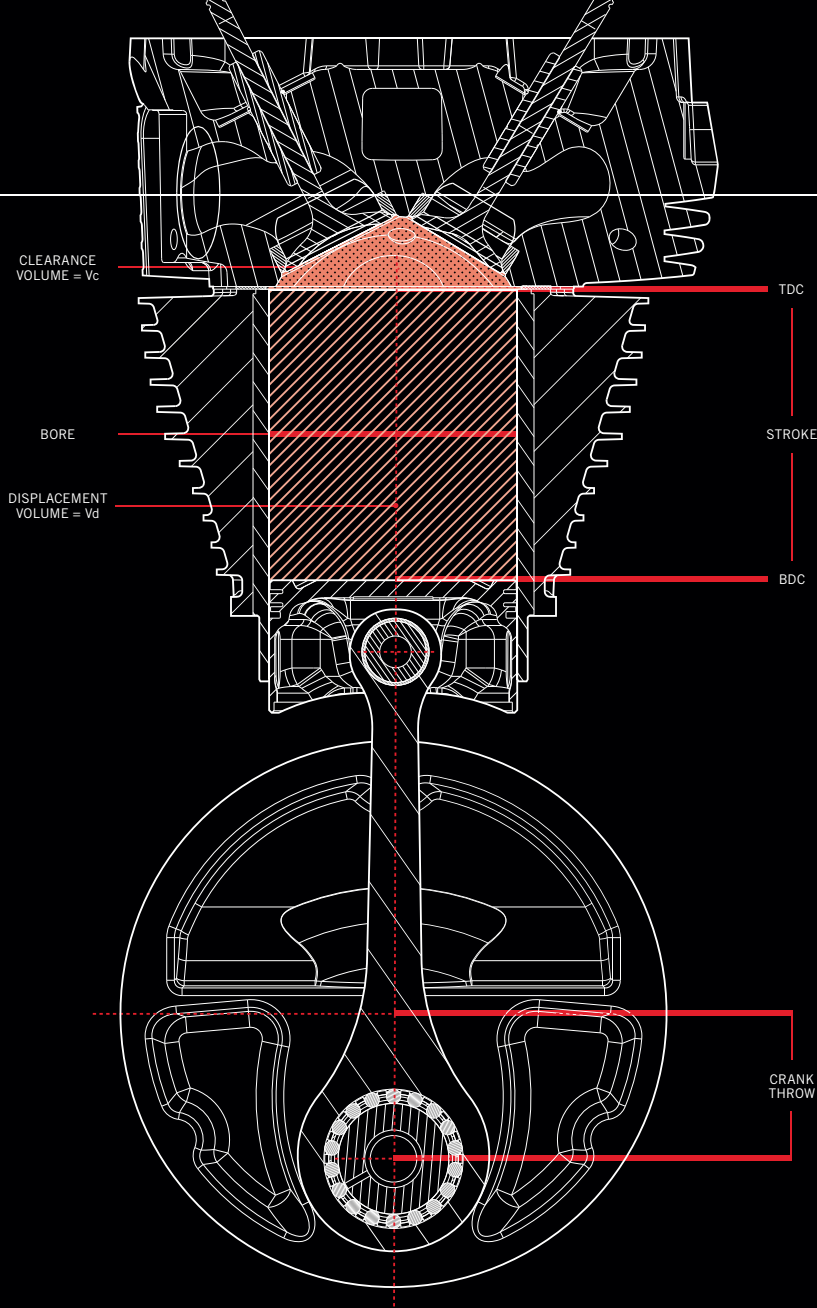
EXAMPLE

(1 cylinder of a 110 cubic inch engine)

$$V_d = 54.95 \text{ cu. in.}$$

$$V_c = 5.78 \text{ cu. in.}$$

$$(54.95 + 5.78) / 5.78 = 10.5:1$$



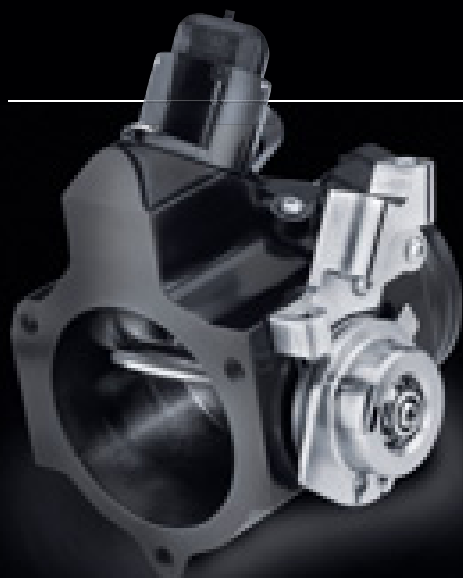
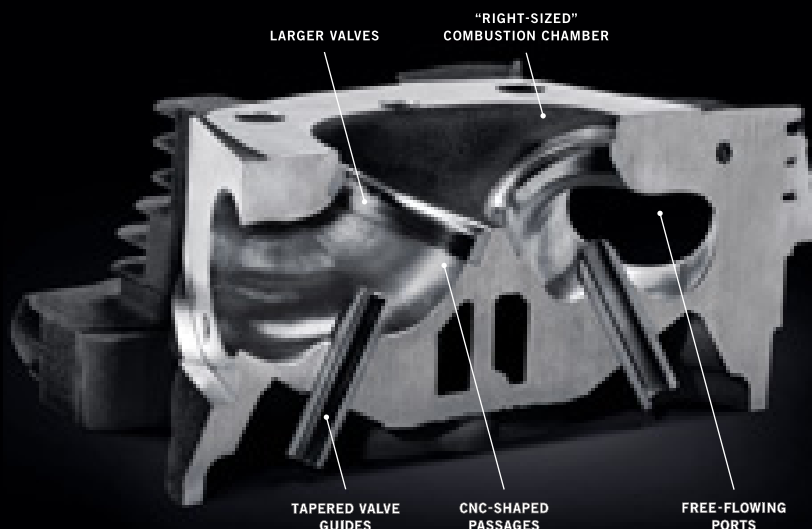
STAGE KITS

Developed specifically for fuel-injected Harley-Davidson® motorcycles, Screamin' Eagle® EFI Stage Kits offer complete street-legal and racing performance configurations engineered to help you generate specific torque and horsepower gains at a given engine calibration. Eliminating all the guesswork and trial-and-error testing normally associated with engine modifications, Stage Kits include everything you need to enhance your bike's performance, including big-bore cylinders, high-compression pistons, performance cams and high-flow air cleaners. Always consult with your dealer about any Stage Kit-related modifications.



PISTONS & HEADS

Once you've increased your engine's displacement, you need to select complementary components that provide an ideal compression ratio for your specific situation. You can actually increase race engine power solely by boosting the compression ratio — the amount of pressure resulting from “squeezing” the air/fuel mixture — inside the cylinder's combustion chamber. The shape of the combustion chamber, which is dictated by the design of the cylinder heads and pistons, also has an effect on how efficiently the air/fuel mixture is drawn into the cylinder, burned and then expelled. Screamin' Eagle® Cylinder Heads offer a fusion of innovative port shapes and proven valve train components that produce race-winning power. And when matched with Screamin' Eagle® Pistons, which feature a range of designs for faster burn patterns and specific performance results, they can help put the competition at your back.



THROTTLE BODIES

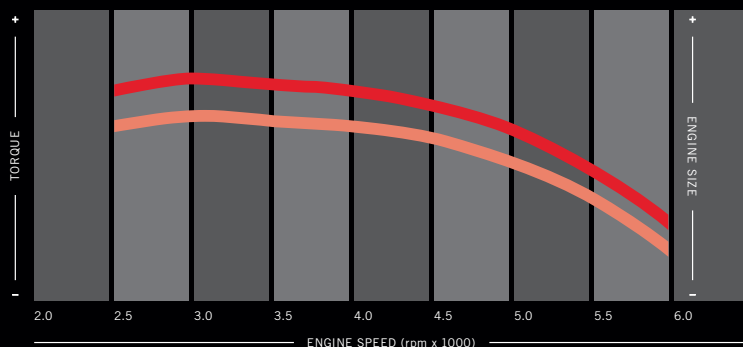
Big-inch race engines equipped with high-flowing heads, high-lift cams and open exhaust need large quantities of air/fuel mix to maximize their performance potential. Adding a big-bore throttle body that's matched to the engine's power characteristics is the next step. Teaming high-flow injectors with a port-matched throttle-body and intake manifold delivers the combustible mixture with the right combination of velocity and swirl to fill the cylinder for maximum bang.

PERFORMANCE TUNING

Modifying an EFI-equipped motorcycle for racing is similar to modifying a carbureted model, in that freer-flowing intake and exhaust systems will require more fuel, and increased displacement and compression will require more fuel as well as spark timing changes. The Screamin' Eagle® Pro Super Tuner provides the computer-based tools you need to record and edit the ECM tuning tables for fuel delivery and spark timing. The Tuning Mode allows you to alter specific variables in your EFI system, and the Data Mode enables you to record and display real-time vehicle data and graph the results on screen. The Super Tuner software also includes a variety of pre-tuned race-application calibrations that can be saved and loaded into your ECM.



PERFORMANCE BASICS

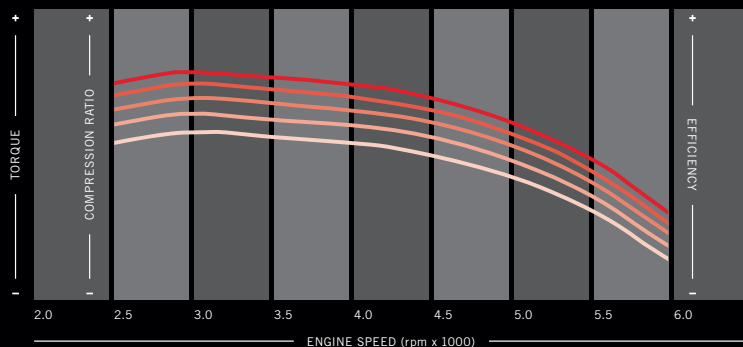
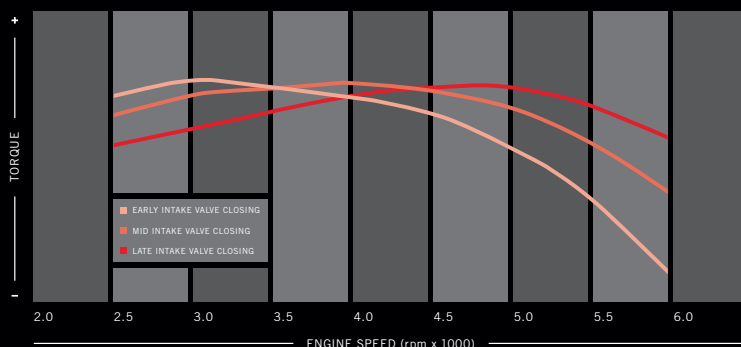


THE GENERAL EFFECTS OF INCREASING DISPLACEMENT ON ENGINE PERFORMANCE

Increasing engine displacement is an easy way to increase the output of an engine. Displacement increases tend to increase the output of the engine across the entire engine speed range. Big-bore pistons and cylinder and/or stroker kits are available to increase engine displacement.

THE GENERAL EFFECTS OF CAM TIMING ON ENGINE PERFORMANCE

The intake closing point relative to bottom center listed in the table on pages 75 and 77 can be used as a “general” indicator for the shape of the torque curve. As illustrated in this graph, earlier intake closing values will result in higher torque at low engine speeds (along with lower torque at high engine speeds). Later intake closing values will result in higher torque at high engine speeds (along with lower torque at low engine speeds).



THE GENERAL EFFECTS OF COMPRESSION RATIO ON ENGINE PERFORMANCE

Increasing the compression ratio is a common method for increasing an engine's performance. Increasing the compression ratio increases the thermal efficiency of the engine, resulting in improved engine performance across the entire engine speed range.

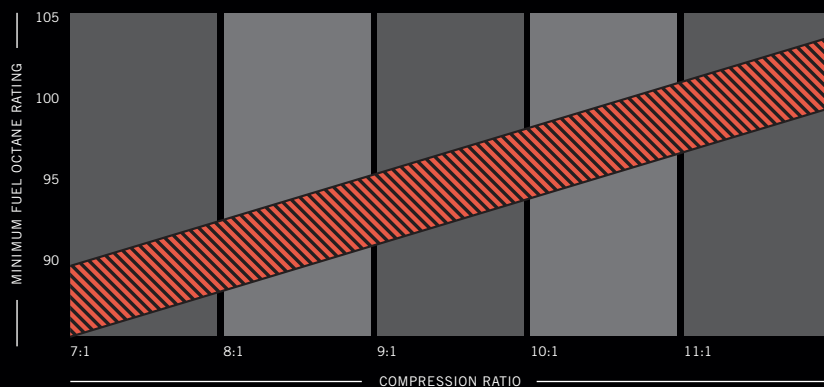
High-compression pistons are an easy way to increase compression ratio. See page 80 for recommended head and piston combinations.

Increasing the compression ratio will likely result in a need to run higher-octane fuels and less spark advance to avoid harmful spark knock.

THE GENERAL EFFECTS OF COMPRESSION RATIO ON FUEL QUALITY REQUIREMENTS

Increasing the compression ratio of an engine will likely result in a need to run higher-octane fuel in the motorcycle. This graph shows the general trend for minimum required fuel octane rating for various compression ratios.

Cam selection also plays an important role in fuel quality requirements. For a given compression ratio, cams with an early intake valve closing value will likely require higher-octane fuel than cams with a later intake valve closing value.



STREET PERFORMANCE AND COMPETITION USE PRODUCTS

It's important that you are aware of the implications of installing performance products on your Harley-Davidson® motorcycle. The Screamin' Eagle® division puts their performance products through extensive development and testing to ensure that our performance parts are robust and that our system-matched Stage Kits are engineered to deliver the promised performance.

WARRANTY

Installation of street compliant Screamin' Eagle products by an authorized Harley-Davidson dealer does not void any part of the H-D™ limited vehicle warranty. This also applies to the installation and use of the compliant Street Performance Tuner. The Street Tuner provides base calibrations that can be adjusted by the end-user for changes in intake, exhaust, riding conditions and to account for bike-to-bike variation. The adjustments are allowed within a safe and compliant range, which has been approved by the appropriate government agencies, therefore the vehicle retains the limited warranty.

Modification of Harley-Davidson motorcycles with competition-use only components may void the manufacturer's powertrain warranty. Installation and use of the Screamin' Eagle Super Tuner voids the H-D limited manufacturer's powertrain warranty due to the wide range of adjustability that can enable excessive rpm or improper tuning that can result in engine damage.

TAMPERING

Under the Clean Air Act and the related Federal Regulations, tampering with emissions controls or components by the dealer and/or customer are prohibited, unless installing components and calibrations approved by the appropriate government agencies. This includes tampering with or removing exhaust components such as catalytic converters.

The penalty for violation of these laws and regulations is substantial. Installation of competition-use product is allowed on motorcycles only if they are being used solely for competition purposes.

These fines can be avoided by installing certified Street compliant Screamin' Eagle products in your on-road Harley-Davidson motorcycle. The Screamin' Eagle team has a broad range of approved street performance upgrades to suit your riding style and preferences.

RACE PARTS INFORMATION

WARRANTY & CAUTION

OVERVIEW Harley-Davidson has the engineering expertise, sophisticated dyno lab and complete testing facilities to provide enthusiasts with a line of performance products designed to produce good, solid, reliable horsepower and torque. Engine-related performance parts are intended for the experienced rider only.

WARRANTY Installation of Screamin' Eagle® products, and similar off-road or competition products from other manufacturers, except some street compliant offerings installed by authorized Harley™ dealers, may void your H-D™ limited vehicle warranty. See your dealer for more information.

Installation of a California performance product onto a 49-state motorcycle or a 49-state performance product onto a California model motorcycle will void manufacturer's warranty, as it will not result in a street compliant configuration.

CAUTION Harley-Davidson® motorcycles modified with some Screamin' Eagle high-performance engine parts must not be used on public roads and, in some cases, may be restricted to closed-course competition.

CAUTION ICONS



GO LIGHT These Screamin' Eagle products are 50-state street compliant for sale and use on all vehicles, including those that are pollution controlled.



STOPHAND Harley-Davidson motorcycles modified with some performance engine parts must not be used on public roads and, in some cases, may be restricted to closed-course competition. Those performance parts identified with a stophand symbol are U.S. EPA compliant, but are NOT compliant for sale or use in California on pollution-controlled motor vehicles. California guidelines on tampering can also lead to substantial fines and penalties.



CROSSED FLAGS Harley-Davidson motorcycles modified with some Screamin' Eagle performance engine parts must not be used on public roads and, in some cases, may be restricted to closed-course competition. All engine-related performance parts identified with the crossed flags symbol are intended for racing applications only and are not compliant for sale or use in California on pollution-controlled vehicles. Alterations of emission-related components constitutes tampering under the U.S. EPA guidelines and can lead to substantial fines and penalties.



CALIFORNIA These Screamin' Eagle products are street compliant for sale and use on pollution-controlled vehicles in the state of California.

PERFORMANCE VS. NOISE

Contrary to popular opinion, just because a bike is loud doesn't necessarily mean it performs better. In most cases, a certain amount of backpressure, which is generated primarily by the baffles in a muffler, is needed to effectively scavenge burnt fuel and air from the engine's cylinders and increase performance. Straight pipes that contain no baffles are only advantageous in very specific racing applications, namely for running lightweight bikes that have been tuned for high-horsepower, high-RPM operation on the drag strip. Most bikes running in ET-classes that require a fast starting-line launch need an exhaust system designed to add additional torque throughout the RPM range.

TUNING

Remember, your engine is a complex system of interrelated components that rely on each other to function properly. When you change your exhaust, you will most likely have to tune other parts of the system—like your air and fuel flow—to create the optimum synergy between components and maximize their on-track performance potential in the RPM range in which you'll be running.

HARLEY-DAVIDSON STREET®

REVOLUTIONARY PERFORMANCE

Moving more air and fuel through the Revolution X™ engine is the easiest way to make more horsepower and torque. Free-flow air cleaner elements are simple to install and bring a big performance boost for the dollars invested and a sweet-sounding Street Performance muffler delivers power you can feel across a broad RPM range.



Air Cleaners

*Recalibration is required for proper installation. See Dealer for details. Labor cost not included.

29400208 Agitator – Cut Back Gloss Black.

29400207 Chisel – Cut Back Gloss Black.



29400197

Also available:

Dress your air cleaner in style. Easy-to-install medallion features brilliant Screamin' Eagle script and Harley-Davidson lettering set against a rich black background. Self-adhesive backing for easy installation.

61300364

Fits '15-later XG models.



A. EXTREME BILLET AIR CLEANER KIT – CHISEL



B. SCREAMIN' EAGLE PERFORMANCE AIR CLEANER KIT



C. SCREAMIN' EAGLE NIGHTSTICK 2-INTO-1 SLIP-ON MUFFLER

C. SCREAMIN' EAGLE® NIGHTSTICK 2-INTO-1 SLIP-ON MUFFLER*

Tuned by the factory for the ultimate combination of rich tone and legal sound levels, this slip-on muffler is the perfect match for your Harley-Davidson® model. The high-flow design of the external diffusion discs produces plenty of low-end "guts" to get your bike away from the light and a fat torque curve that gets you quickly around slow-moving traffic. The multiple stainless steel diffusion discs and domed end cap deliver an aggressive raspy sound. Available in jet black finish, these long and lean pipes feature an embossed Screamin' Eagle® logo. Easy to install.

Fits '15-later XG models.
64900220 Jet Black, Domestic.

D. SCREAMIN' EAGLE BUCKSHOT EXHAUST SHIELD KIT

These custom exhaust shields feature a perforated "Buckshot" design to expose the head pipe for a raw rebellious look. These exhaust shields are a perfect match for Original Equipment or Screamin' Eagle muffler and complement the blacked out Harley-Davidson Street™ model. Manufactured to Original Equipment standards for exacting fit, the easy-to-install kit includes front and rear head pipe shields.

65400167 Jet Black.
Fits '15-later XG models.



D. SCREAMIN' EAGLE BUCKSHOT EXHAUST SHIELD KIT



E. MUFFLER END CAP – EDGE CUT

This Edge Cut End Cap kit allows you to personalize your Original Equipment mufflers. These easy-to-install caps are dressed with the same black-anodized finish as the Edge Cut Collection for a consistent look front to back and feature machined aluminum accents for a modern touch.

65100056
Fits '15-later XG models with Original Equipment muffler.

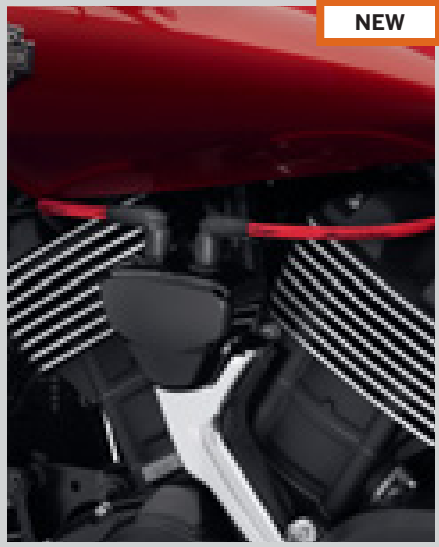
F. SCREAMIN' EAGLE 10MM PHAT SPARK PLUG WIRES

Fat 10mm plug wires add dimension and style to your ride. Screamin' Eagle boot design and suppression core wires ensure solid connection and maximum voltage transfer between coil and plugs. "Screamin' Eagle" logo printed along the wire to add style.

Fits '15-later XG models.
31600048 Black.
31600054 Red.
31600051 Orange.



E. MUFFLER END CAP – EDGE CUT



F. SCREAMIN' EAGLE 10MM PHAT SPARK PLUG WIRES

NOTE: There is no warranty on exhaust pipes and mufflers with regard to any discoloration. Blueing is caused by tuning characteristics, cam timing, carburetor jetting, over-heating, etc. and is not caused by defective manufacturing.

PERFORMANCE EXHAUST

MORE THAN JUST HOT AIR

The sound of a Harley-Davidson® motorcycle grabs the heart and moves the soul. The unique pulse of the V-Twin engine sets the rhythm and Screamin' Eagle® Street Performance Mufflers belt out the song. The complete line of Street Performance Mufflers is tuned to enhance the bass notes and deliver a rich melodic tone from idle to wide-open throttle. These stylish slip-on mufflers produce real-world performance improvements over a wide RPM range, while maintaining street compliant EPA-approved sound levels.





A. SCREAMIN' EAGLE STREET CANNON SLIP-ON MUFFLERS – SPORTSTER SHORTY DUAL, CHROME (SHOWN WITH CHROME SLASH END CAPS)



A. SCREAMIN' EAGLE STREET CANNON SLIP-ON MUFFLERS – SPORTSTER SHORTY DUAL, JET BLACK (SHOWN WITH JET BLACK SLASH END CAPS AND MUFFLER SHIELDS)



B. SCREAMIN' EAGLE 3.25" END CAPS

A. SCREAMIN' EAGLE® STREET CANNON SLIP-ON MUFFLERS – SPORTSTER® SHORTY DUAL

These 3.25" street compliant high-flow mufflers have been specifically tuned to deliver an aggressive exhaust note and improved performance while preserving the peace with your neighbors. Available in your choice of rich chrome or heat-resistant jet black ceramic finish. EPA stamped. Complete the look with your choice of 3.25" end caps and Screamin' Eagle® Muffler shields (sold separately).

Fits '14-later XL models. Installation requires separate purchase of 3.25" End Caps and Muffler Clamps P/N 65296-95A (Qty 2).

64900208 Chrome.

64900209 Jet Black.

Fits '14-later XL models. Designed for international markets that require ECE Certified mufflers. Mufflers include muffler shields and slash down end caps. Installation requires separate purchase of Muffler Clamps P/N 65296-95A (Qty 2).

64900325 Chrome.

64900322 Jet Black.

B. SCREAMIN' EAGLE 3.25" END CAPS

These easy-to-install caps allow you to finish your 3.25" Screamin' Eagle mufflers your way. Sold in pairs. Installation hardware included.

Fits '14-later XL and '07-later Softail® models equipped with Screamin' Eagle 3.25" Street Cannon Mufflers.

65100049 Billet Chrome Slash Cut.

65100048 Satin Black Anodized.

65100044 Chrome – Slash Up/Down/Out.

65100063 Jet Black – Slash Up/Down/Out.

Shown with:

SCREAMIN' EAGLE BUCKSHOT EXHAUST SHIELD KIT

These custom shields feature a perforated "Buckshot" design that exposes the head pipe for a raw, rebellious look. Available in your choice of finishes, these exhaust shields are a perfect match for Original Equipment or Screamin' Eagle mufflers and provide a consistent look from front to back. Manufactured to Original Equipment standards for exacting fit, the easy-to-install kit includes front and rear head pipe shields.

Fits '14-later XL models.

65400137 Jet Black.

65400143 Chrome.

Fits '04-'13 XL models.

64924-09 Jet Black.

Also available:

SCREAMIN' EAGLE MUFFLER SHIELDS

Styled to complement the ballistic inlet shape of the Screamin' Eagle Street Performance Slip-On Mufflers. The rear shield features a deep embossed "Screamin' Eagle" signature script. Available in chrome and jet black. Easy-to-install kit includes front and rear shields and mounting hardware.

Fits '07-later XL, Dyna® (except '08-later FLD, FXDF, FXDL and '10-later FXDWG) and Softail models equipped with Screamin' Eagle Street Performance Mufflers.

64806-07A Chrome.

65400078 Jet Black.

14 EXHAUST
Sportster® Exhaust

A. SCREAMIN' EAGLE® STREET PERFORMANCE SLIP-ON MUFFLERS – SPORTSTER® SHORTY DUAL
Street compliant high-flow mufflers are factory tuned to deliver an aggressive exhaust note and improved performance comparable to Screamin' Eagle® II mufflers. Available in your choice of rich chrome or heat-resistant jet black ceramic finish, these mufflers feature a deep embossed Screamin' Eagle logo along the flank. EPA stamped, these mufflers are 50-state street compliant on stock '07-'13 model engines.

- Fits '07-'13 XL models. Installation requires separate purchase of Muffler Clamps P/N 65296-95A (Qty 2).
80503-07 Chrome.
80726-09A Jet Black.



A. SCREAMIN' EAGLE STREET PERFORMANCE SLIP-ON MUFFLERS – CHROME

B. SCREAMIN' EAGLE JET BLACK HEADER PIPES
Hide the blue. These Original Equipment-style Header Pipes have been finished with a unique jet black heat-resistant coating and are a great accent to both chrome and black Buckshot exhaust shields. When exposed through the holes in the Buckshot shields, the black header pipe provides a sinister accent and hides the heat-tempered finish of the typical exhaust pipe. Easy to install using factory mounting hardware, the kit includes front and rear header pipe.
65600155
Fits '14-later XL models.
80887-10
Fits '04-'13 XL models.

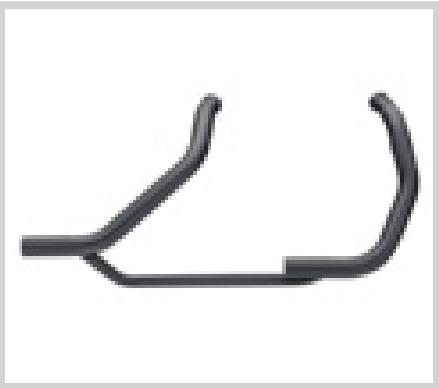


A. SCREAMIN' EAGLE STREET PERFORMANCE SLIP-ON MUFFLERS – JET BLACK (SHOWN WITH JET BLACK BUCKSHOT EXHAUST SHIELDS)



B. SCREAMIN' EAGLE JET BLACK HEADER PIPES (65600155 SHOWN)

NOTE: Due to increased diameter of these mufflers some realignment of head pipes is usually required. It is recommended to replace exhaust port gaskets, P/N 65324-83A (stock) or P/N 17048-98 (performance), to avoid tendency of head pipes to return to original position when re-tightened.
NOTE: There is no warranty on exhaust pipes and mufflers with regard to any discoloration. Blueing is caused by tuning characteristics, cam timing, carburetor jetting, over-heating, etc. and is not caused by defective manufacturing.



B. SCREAMIN' EAGLE JET BLACK HEADER PIPES (65600155 SHOWN)



B. SCREAMIN' EAGLE JET BLACK HEADER PIPES (80887-10 SHOWN)



C. SCREAMIN' EAGLE STREET PERFORMANCE SLIP-ON SHORTY DUAL MUFFLERS – CHROME



C. SCREAMIN' EAGLE STREET PERFORMANCE SLIP-ON SHORTY DUAL MUFFLERS – JET BLACK WITH MUFFLER SHIELDS (SHOWN WITH JET BLACK EXHAUST SHIELD KIT)

C. SCREAMIN' EAGLE® STREET PERFORMANCE SLIP-ON MUFFLERS – DYNA® SHORTY DUAL

Factory engineers tuned these pipes to satisfy the most discriminating Harley enthusiast. Mufflers feature high-flowing internals to maximize performance and a rich, deep exhaust note that lets everyone know you're around. With the aggressive sound quality and performance comparable to Screamin' Eagle® II race-use mufflers, it's hard to believe they are street compliant. Available in your choice of rich chrome or heat-resistant jet black ceramic finish. Jet black mufflers include matching muffler shield with a deep embossed Screamin' Eagle logo along the flank. Chrome mufflers allow for the reuse of stock muffler shields or the separate purchase of Chrome "Screamin' Eagle" Script Muffler Shields. EPA stamped, these mufflers are 50-state street compliant on stock displacement engines.

Fits '05-'10 FXDB, '07-'10 FXD, '07-'14 FXDC, '07-'13 FXDL and '07-'08 FXDWG models with Shorty Dual exhaust. Installation requires separate purchase of Muffler Clamps P/N 65296-95A (Qty 2).

80678-08	Chrome.
80794-10A	Jet Black with Muffler Shields.

Shown with: SCREAMIN' EAGLE EXHAUST SHIELD KIT – DYNA SHORTY DUAL

Extend the custom look along the bike's entire profile. These formed steel exhaust shields are available in a unique jet black ceramic finish that complements jet black Screamin' Eagle Street Performance Slip-On Mufflers. This exhaust shield kit has survived stringent Harley-Davidson testing for durability and corrosion resistance. Manufactured to Original Equipment standards for exact fit, the easy-to-install kit includes front and rear head pipe shields.

Fits '06-'10 FXD, '06-later FXDB, '06-'14 FXDC, '06-'13 FXDL and '06-'08 FXDWG models with shorty dual exhaust.

80821-10	Jet Black.
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D. SCREAMIN' EAGLE MUFFLER SHIELDS

Styled to complement the ballistic inlet shape of the Screamin' Eagle Street Performance Slip-On Mufflers. The rear shield features a deep embossed "Screamin' Eagle" signature script. Available in chrome and jet black. Easy-to-install kit includes front and rear shields and mounting hardware.

Fits '07-later XL, Dyna® (except '08-later FLD, FXDF, FXDL and '10-later FXDWG) and Softail® models equipped with Screamin' Eagle Street Performance Mufflers.

64806-07A	Chrome.
65400078	Jet Black.



C. SCREAMIN' EAGLE EXHAUST SHIELD KIT – DYNA SHORTY DUAL



D. SCREAMIN' EAGLE MUFFLER SHIELDS

NOTE: Due to increased diameter of these mufflers some realignment of head pipes is usually required. It is recommended to replace exhaust port gaskets, P/N 65324-83A (stock) or P/N 17048-98 (performance), to avoid tendency of head pipes to return to original position when re-tightened.

NOTE: There is no warranty on exhaust pipes and mufflers with regard to any discoloration. Blueing is caused by tuning characteristics, cam timing, carburetor jetting, over-heating, etc. and is not caused by defective manufacturing.

16 EXHAUST

Dyna® Exhaust

A. SCREAMIN' EAGLE® STREET PERFORMANCE MUFFLERS – DYNA® STAGGERED DUAL

Make your statement before they see you coming. The throaty Screamin' Eagle® Street Performance sound sets the tone and the bold styling drives the note home. One-of-a-kind ballistic inlet shape flows back past the embossed "Screamin' Eagle" logo to the unique "Blunt Revolver" end treatment. Available in your choice of brilliant chrome or tough jet black ceramic finish, the mufflers feature complementing end caps with cut-out chambers that expose the finish below for a bold contrast. Complete the look with Jet Black Exhaust Shields (sold separately). Mufflers are 50-state street compliant on 96CI or 103CI displacement models.

Fits '08-later FXDF and '10-later FXDWG models equipped with 96CI or 103CI engines. Installation requires separate purchase of Muffler Clamps P/N 65296-95A (Qty 2).

80674-08A Chrome with Black End Caps.

80601-09A Jet Black with Chrome End Caps.

B. SCREAMIN' EAGLE EXHAUST SHIELD KIT – DYNA STAGGERED DUAL

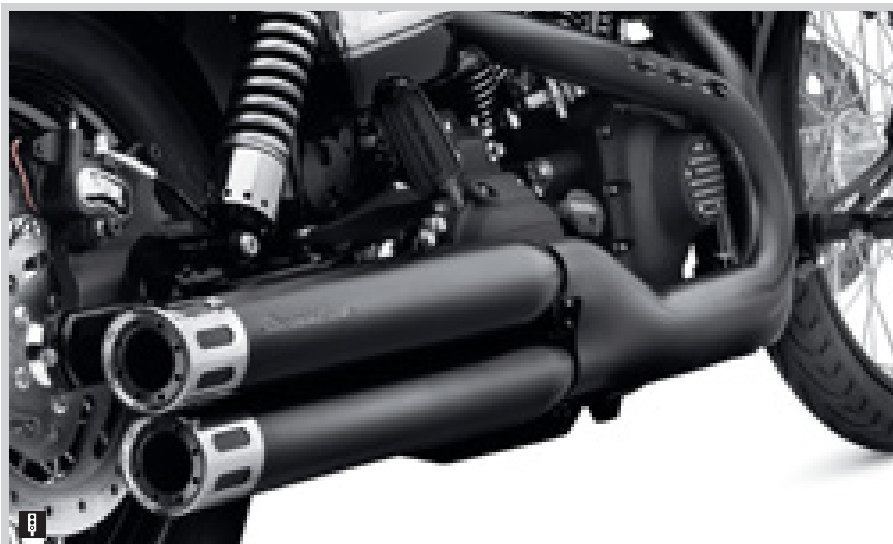
Add a custom touch to your ride. These formed steel exhaust shields are available in a tough jet black ceramic that looks just right when paired with jet black Screamin' Eagle Street Performance Slip-On Mufflers. The jet-black coating adds a sinister look to your bike's profile. The slotted "tommy gun" cutouts expose the head pipe for a raw, rebellious attitude. Manufactured to Original Equipment standards for exact fit, this easy-to-install kit includes front and rear head pipe shields.

65247-09 Jet Black.

Fits '08-later FXDF and '10-later FXDWG models with forward controls.



A. SCREAMIN' EAGLE STREET PERFORMANCE STAGGERED DUAL MUFFLERS – CHROME WITH BLACK END CAPS



A. SCREAMIN' EAGLE STREET PERFORMANCE STAGGERED DUAL MUFFLERS – JET BLACK WITH CHROME END CAPS (SHOWN WITH JET BLACK EXHAUST SHIELD KIT)



B. SCREAMIN' EAGLE EXHAUST SHIELD KIT – DYNA STAGGERED DUAL

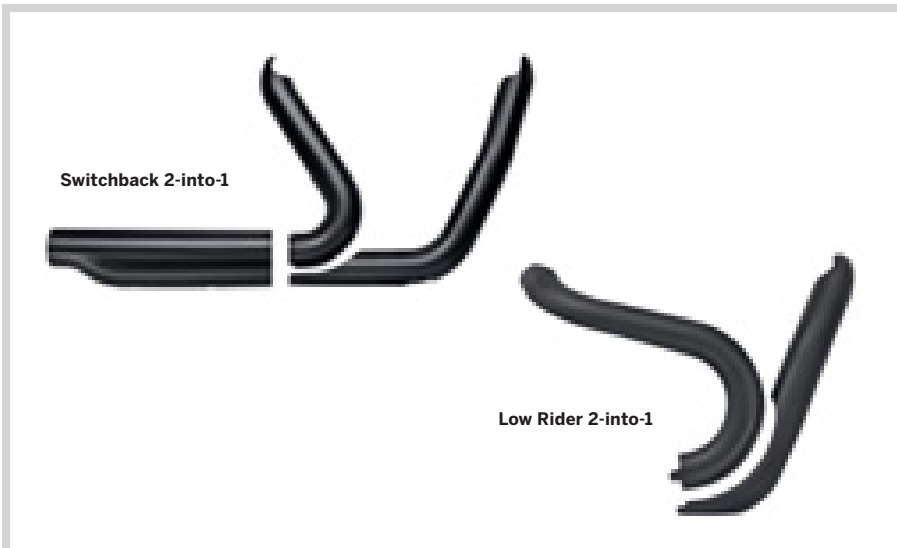
NOTE: There is no warranty on exhaust pipes and mufflers with regard to any discoloration. Blueing is caused by tuning characteristics, cam timing, carburetor jetting, over-heating, etc. and is not caused by defective manufacturing.



C. SCREAMIN' EAGLE NIGHTSTICK 2-INTO-1 SLIP-ON MUFFLERS – FLD MODELS



**C. SCREAMIN' EAGLE NIGHTSTICK 2-INTO-1 SLIP-ON MUFFLERS – FXDL MODELS
(SHOWN WITH JET BLACK EXHAUST SHIELD KIT)**



D. SCREAMIN' EAGLE EXHAUST SHIELD KIT – DYNA 2-INTO-1

C. SCREAMIN' EAGLE® NIGHTSTICK 2-INTO-1 SLIP-ON MUFFLERS – DYNA®

Tuned by the factory for the ultimate combination of improved performance, rich tone and legal sound levels, these 50-state street compliant slip-on mufflers are the perfect match for your Dyna® Switchback™ model. The high-flow design of the external diffusion discs produces plenty of low-end "guts" to get your bike away from the light and a fat torque curve that gets you quickly around slow-moving traffic. The flared opening, multiple stainless steel diffusion discs and domed end cap deliver an aggressive raspy sound. Available in mirror chrome and jet black finish, these long and lean pipes feature an embossed Screamin' Eagle® logo. Easy to install. EPA stamped.

Fits '12-later FLD models.

80872-12	Chrome.
64900137	Jet Black.

Fits '14-later FXDL models.

64900243	Chrome.
64900242	Jet Black.

D. SCREAMIN' EAGLE EXHAUST SHIELD KIT – DYNA 2-INTO-1

Extend the blacked-out look along the bike's entire profile. These formed steel exhaust shields feature a unique jet black ceramic coating that complements the jet black Screamin' Eagle Street Performance Slip-On Mufflers. The jet black coating maintains its uniform black finish and has survived stringent Harley-Davidson testing for durability and corrosion resistance. Manufactured to Original Equipment standards for exacting fit, the easy-to-install kit includes front and rear head pipe shields.

65400088	Jet Black.
Fits '12-later FLD models.	

65400172	Jet Black.
Fits '14-later FXDL models equipped with Nightstick Muffler P/N 64900242 or 64900243.	

NOTE: There is no warranty on exhaust pipes and mufflers with regard to any discoloration. Blueing is caused by tuning characteristics, cam timing, carburetor jetting, over-heating, etc. and is not caused by defective manufacturing.

18 EXHAUST
Softail® Exhaust

A. SCREAMIN' EAGLE® STREET CANNON SLIP-ON MUFFLERS – SOFTAIL® SHOTGUN

These 3.25" street compliant high-flow mufflers have been specifically tuned to deliver an aggressive exhaust note and improved performance while preserving the peace with your neighbors. Available in your choice of rich chrome or heat-resistant jet black ceramic finish. The Jet Black mufflers include Screamin' Eagle® muffler shields, EPA stamped. Complete the look with your choice of 3.25" end caps (sold separately).

Fits '07-later FLS and FLSTN models equipped with Shotgun exhaust. Installation requires separate purchase of 3.25" End Caps and Muffler Clamps P/N 65296-95A (Qty 2).

64900335	Chrome.
64900334	Jet Black with Muffler Shields.

Fits '07-later FLSTF and FLSTFB models equipped with Shotgun exhaust. Installation requires separate purchase of 3.25" End Caps and Muffler Clamps P/N 65296-95A (Qty 2).

64900340	Chrome.
64900341	Jet Black with Muffler Shields.



A. SCREAMIN' EAGLE STREET CANNON SLIP-ON MUFFLERS – SOFTAIL SHOTGUN, CHROME
(SHOWN WITH CHROME SLASH END CAPS)



A. SCREAMIN' EAGLE STREET CANNON SLIP-ON MUFFLERS – SOFTAIL SHOTGUN, JET BLACK
(SHOWN WITH JET BLACK SLASH END CAPS AND EXHAUST SHIELDS)

NOTE: There is no warranty on exhaust pipes and mufflers with regard to any discoloration. Blueing is caused by tuning characteristics, cam timing, carburetor jetting, over-heating, etc. and is not caused by defective manufacturing.



NEW

B. SCREAMIN' EAGLE STREET CANNON SLIP-ON MUFFLERS – SOFTAIL SHORTY DUAL, CHROME (SHOWN WITH BILLET CHROME END CAPS)



NEW

B. SCREAMIN' EAGLE STREET CANNON SLIP-ON MUFFLERS – SOFTAIL SHORTY DUAL, JET BLACK (SHOWN WITH SATIN BLACK END CAPS AND JET BLACK EXHAUST SHIELDS)



C. SCREAMIN' EAGLE 3.25" END CAPS

B. SCREAMIN' EAGLE® STREET CANNON SLIP-ON MUFFLERS – SOFTAIL® SHORTY DUAL

These 3.25" street compliant high-flow mufflers have been specifically tuned to deliver an aggressive exhaust note and improved performance while preserving the peace with your neighbors. Available in your choice of rich chrome or heat-resistant jet black ceramic finish. The Jet Black mufflers include Screamin' Eagle® muffler shields. EPA stamped. Complete the look with your choice of 3.25" end caps (sold separately).

Fits '16-later FLSTC and FXSB models equipped with Staggered Shorty Dual exhaust. Installation requires separate purchase of 3.25" End Caps and Muffler Clamps P/N 65296-95A (Qty 2).

64900342	Chrome.
64900343	Jet Black with Muffler Shields.

C. SCREAMIN' EAGLE 3.25" END CAPS

These easy-to-install caps allow you to finish your 3.25" Screamin' Eagle mufflers your way. Sold in pairs. Installation hardware included.

Fits '14-later XL and '07-later Softail® models equipped with Screamin' Eagle 3.25" Street Cannon Mufflers.

65100049	Billet Chrome Slash Cut.
65100048	Satin Black Anodized.
65100044	Chrome – Slash Up/Down/Out.
65100063	Jet Black – Slash Up/Down/Out.

20 EXHAUST
Softail® Exhaust

A. SCREAMIN' EAGLE® STREET PERFORMANCE SLIP-ON MUFFLERS – SOFTAIL® SHOTGUN

Tough sound, nice performance. Street Performance Mufflers feature high-flowing internals to maximize performance, developing improved low end grunt and passing power you can feel. The ballistic-shaped inlet and tuned baffles produce a rich, aggressive exhaust note that lets everyone know you're around. Available in rich chrome or heat-resistant jet black finish, these mufflers finish your bike's adrenaline-driven look. Jet black mufflers include matching Screamin' Eagle® signature script muffler shields. Chrome mufflers allow for the reuse of stock muffler shields or the separate purchase of Chrome "Screamin' Eagle" Script Muffler Shields. EPA stamped, these mufflers are 50-state street compliant on stock displacement engines.

Fits '07-'15 FLS and FLSTN, '08-'11 FLSTSB and '11-'13 FXS models equipped with shotgun exhaust. Installation requires separate purchase of Muffler Clamps P/N 65296-95A (Qty 2).

80681-12	Chrome.
80781-12	Jet Black with Muffler Shields.

Fits '07-'15 FLSTF and FLSTFB and '07 FXSTD models equipped with shotgun exhaust. Installation requires separate purchase of Muffler Clamps P/N 65296-95A (Qty 2).

80680-12	Chrome.
80621-12	Jet Black with Muffler Shields.



A. SCREAMIN' EAGLE STREET PERFORMANCE SLIP-ON SHOTGUN MUFFLERS – CHROME, SLASH DOWN (SHOWN WITH SCREAMIN' EAGLE MUFFLER SHIELDS)



NOTE: There is no warranty on exhaust pipes and mufflers with regard to any discoloration. Blueing is caused by tuning characteristics, cam timing, carburetor jetting, over-heating, etc. and is not caused by defective manufacturing.

A. SCREAMIN' EAGLE STREET PERFORMANCE SLIP-ON SHOTGUN MUFFLERS – JET BLACK WITH MUFFLER SHIELDS, SLASH DOWN (SHOWN WITH JET BLACK EXHAUST SHIELDS)



B. SCREAMIN' EAGLE STREET PERFORMANCE SHORTY DUAL SLIP-ON MUFFLERS – CHROME



B. SCREAMIN' EAGLE STREET PERFORMANCE SLIP-ON SHORTY DUAL MUFFLERS – JET BLACK WITH MUFFLER SHIELDS (SHOWN WITH JET BLACK EXHAUST SHIELD KIT)

B. SCREAMIN' EAGLE® STREET PERFORMANCE SLIP-ON MUFFLERS – SOFTAIL® SHORTY DUAL

Tough sound, nice performance. Street Performance Mufflers feature high-flowing internals to maximize performance, developing improved low end grunt and passing power you can feel. The ballistic-shaped inlet and tuned baffles produce a rich, aggressive exhaust note that lets everyone know you're around. Available in rich chrome or heat-resistant jet black finish, jet black mufflers include matching muffler shield with a deep embossed "Screamin' Eagle" logo along the flank. Chrome mufflers allow for the reuse of stock muffler shields or the separate purchase of Chrome "Screamin' Eagle" Script Muffler Shields. EPA stamped, these mufflers are 50-state street compliant on stock displacement engines.

Fits '07-'15 Softail® models equipped with Staggered Shorty Dual exhaust. Installation requires separate purchase of Muffler Clamps P/N 65296-95A (Qty 2).

80679-12 Chrome.

80813-12 Jet Black with Muffler Shields.

C. SCREAMIN' EAGLE EXHAUST SHIELD KIT – SOFTAIL

Extend the blacked-out look along the bike's entire profile. These formed steel exhaust shields feature a unique jet black ceramic coating that complements the jet black Screamin' Eagle® Street Performance Slip-On Mufflers. The jet black coating maintains its uniform black finish and has survived stringent Harley-Davidson testing for durability and corrosion resistance. Manufactured to Original Equipment standards for exacting fit, the easy-to-install kit includes front and rear head pipe shields.

1. 80817-10A Jet Black.

Fits '07-later FLSTF, FLSTFB and FLSTFBS, '11-'13 FXS and '07 FXSTD models equipped with shotgun exhaust.

2. 80829-10A Jet Black.

Fits '07-later FLS, FLSS, FLSTN and FLSTSB models.

3. 80818-10 Jet Black.

Fits '08-'11 FXCW and FXCWC, '13-later FXSB and '13-'14 FXSBSE models equipped with shorty dual exhaust.



C. SCREAMIN' EAGLE EXHAUST SHIELD KIT – SOFTAIL

NOTE: There is no warranty on exhaust pipes and mufflers with regard to any discoloration. Blueing is caused by tuning characteristics, cam timing, carburetor jetting, over-heating, etc. and is not caused by defective manufacturing.

22 EXHAUST
Touring Exhaust

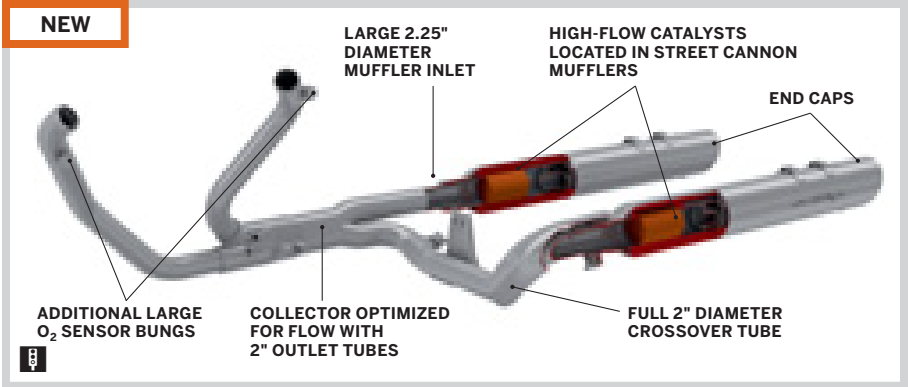
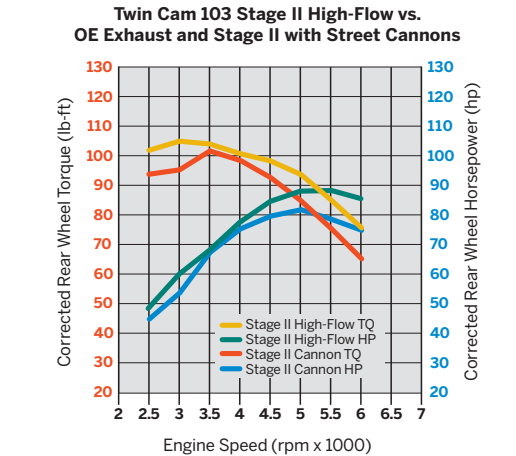
A. SCREAMIN' EAGLE® HIGH FLOW EXHAUST SYSTEM WITH STREET CANNON MUFFLERS

The Screamin' Eagle® High-Flow Exhaust system provides bolt-on performance by reducing the catalyst restrictions and improving exhaust flow. This exhaust system is optimized for use on engines producing 80+ horsepower and works great with Screamin' Eagle Stage kits I thru IV. The kit replaces the stock head pipe and mufflers with large diameter, free-flowing head pipes and matching mufflers. The muffler inlet diameter has been increased to 2.25" to enhance exhaust gas scavenging and the catalysts have been relocated to the mufflers to enhance flow. The proof is in the horsepower and torque numbers. Dial the system to your motorcycle by using the Screamin' Eagle Street Performance Tuner to tune your ECM specifically to match your performance upgrades. ECM recalibration is required.

The large 4" diameter Street Cannon mufflers are tuned to provide a deep bass exhaust note and a healthy rumble at idle, and that famous Harley sound throughout the RPM range. Mufflers are EPA stamped.

Fits '10-later Touring models equipped with 103CI engines. Does not fit Trike models. Separate purchase of Screamin' Eagle 4" end caps required.

64800043	Chrome.
64800044	Jet Black.



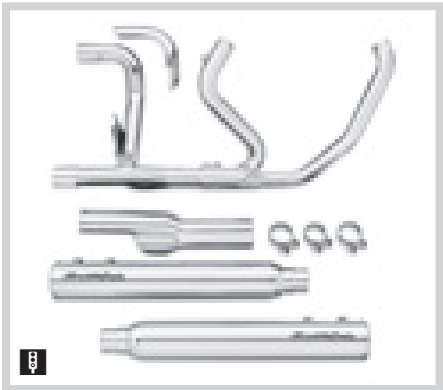
A. SCREAMIN' EAGLE HIGH FLOW EXHAUST SYSTEM WITH STREET CANNON MUFFLERS



A. SCREAMIN' EAGLE HIGH FLOW EXHAUST SYSTEM WITH STREET CANNON MUFFLERS – CHROME (SHOWN WITH SHORT SLASH OUT END CAPS)



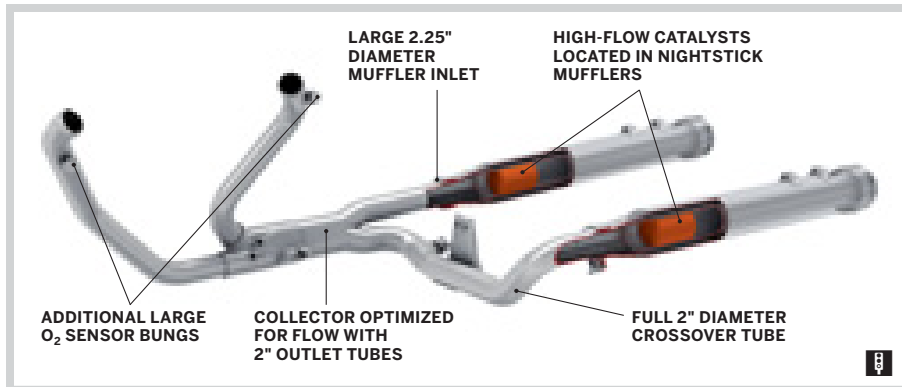
A. SCREAMIN' EAGLE HIGH FLOW EXHAUST SYSTEM WITH STREET CANNON MUFFLERS – JET BLACK (SHOWN WITH SATIN BLACK END CAPS)



A. HIGH FLOW EXHAUST – CHROME



A. HIGH FLOW EXHAUST – JET BLACK



B. SCREAMIN' EAGLE HIGH-FLOW EXHAUST SYSTEM WITH NIGHTSTICK MUFFLERS

B. SCREAMIN' EAGLE® HIGH-FLOW EXHAUST SYSTEM WITH NIGHTSTICK MUFFLERS

The Screamin' Eagle® High-Flow Exhaust system provides bolt-on performance by reducing catalyst restrictions and improving exhaust flow. Optimized for CVO™ 110 and Screamin' Eagle Stage Kit engine configurations producing 80-100+ HP, the kit replaces the stock head pipe and mufflers with large diameter free-flowing head pipes and matching mufflers. The muffler inlet diameter has been increased to 2.25" to enhance exhaust gas scavenging and the catalysts have been relocated to the mufflers to enhance flow. The proof is in the numbers – this system can produce 5-7 hp gains on a 110CI motor and 8-10 hp gains on a 120CI motor when compared to the Original Equipment exhaust system. Extra oxygen sensor bungs permit attachment of tuning equipment. Kit includes head pipe, 2.25" inlet Nightstick mufflers with catalysts and a collector and crossover tube heat shield. 50-state compliant.

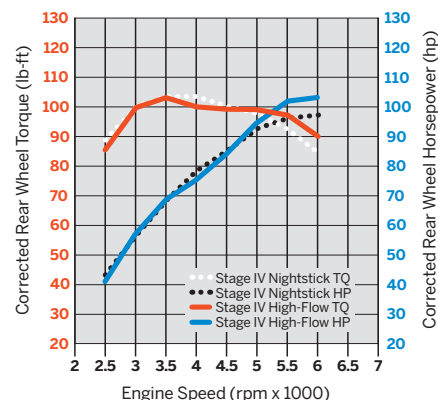
64800022

Fits '10-later Touring models equipped with a 103CI or 110CI engine. Does not fit Trike models.



B. SCREAMIN' EAGLE HIGH-FLOW EXHAUST SYSTEM WITH NIGHTSTICK MUFFLERS

Twin Cam 103 Stage IV High-Flow vs. OE Exhaust with Nightstick



B. SCREAMIN' EAGLE HIGH-FLOW EXHAUST SYSTEM WITH NIGHTSTICK MUFFLERS

NOTE: There is no warranty on exhaust pipes and mufflers with regard to any discoloration. Blueing is caused by tuning characteristics, cam timing, carburetor jetting, over-heating, etc. and is not caused by defective manufacturing.

24 EXHAUST
Touring Exhaust

A. SCREAMIN' EAGLE® STREET CANNON PERFORMANCE SLIP-ON MUFFLERS

Cue the orchestra. We tuned these mufflers to provide an exhaust note with some extra deep bass. You get the rumble you want and enhance that famous Harley sound, while preserving the peace with your neighbors. The tuned baffles work with the large internal volume to strike the perfect balance required to deliver performance that you can feel in your gut. The large 4.0" diameter Street Cannons provide free flow of exhaust gases with just the right amount of back pressure for a smooth-running ride. The die-cast Screamin' Eagle® medallion adds a rich touch to your bike's profile and a large selection of end cap designs are available (sold separately) to provide the perfect finishing touch.

Fits 50-state '09-later Touring and Trike models (except '10 FLHX and FLTRX and models equipped with 110CI engines). Installation requires separate purchase of Muffler Clamps P/N 65296-95A (Qty 2). Requires separate purchase of end caps.

- 64900186A

Chrome.
- 64900187A

Jet Black.

B. MUFFLER BRACKET COVER KIT

Stamped-steel cover conceals the Original Equipment exhaust brackets. Contoured for a custom fit, these easy-to-install covers add a distinctive finishing touch. Available in mirror-chrome or black finish to match your customizing style (sold in pairs).

Fits '97-'13 Touring models. Fits Screamin' Eagle Street Performance Touring 4" Mufflers (except P/N 64900093 and 64900091). Does not fit with Fishtail 4.0" Muffler End Cap P/N 65100017. Does not fit with Screamin' Eagle 3.5" Mufflers.

- 80716-08

Chrome.
- 80812-10

Black.



A. SCREAMIN' EAGLE STREET CANNON PERFORMANCE MUFFLERS – CHROME
(SHOWN WITH BILLET TAPERED SLASH END CAPS)



A. SCREAMIN' EAGLE STREET CANNON PERFORMANCE MUFFLERS – JET BLACK
(SHOWN WITH BLUNT REVOLVER END CAPS)



B. MUFFLER BRACKET COVER KIT – CHROME



B. MUFFLER BRACKET COVER KIT – BLACK

NEW



C. THE BURST COLLECTION 4" END CAPS



D. SCREAMIN' EAGLE 4" END CAPS – SHORT SLASH UP/DOWN/OUT

C. THE BURST COLLECTION 4" END CAPS

Sculpted machining sends reflections of light in all directions. Burst Collection Muffler End Caps feature a rich black anodized finish that is machined to expose the highlights of raw aluminum. The contrasting cut-back look makes a powerful visual statement and works great with both chrome and jet black mufflers.

65100054

Fits '09-later Touring and Trike models equipped with Screamin' Eagle® Street Performance Touring 4" End Cap Mufflers. Does not fit 4" CVO™ Touring mufflers.

D. SCREAMIN' EAGLE® 4" END CAPS – SHORT SLASH UP/DOWN/OUT

These End Cap Kits allow you to personalize your Screamin' Eagle Street Performance Touring Mufflers. The Short Slash Up/Down/Out End Caps are 2" shorter than our traditional Slash Cut End Caps, and keep the mufflers tucked in close to the saddlebag or Trike model rear valance for a clean custom look. Sold in pairs, the kit includes all required mounting hardware.

65100062

Fits '09-later Touring and Trike models equipped with Screamin' Eagle Street Performance Touring 4" End Cap Mufflers. Does not fit 4" CVO Touring mufflers.

E. SCREAMIN' EAGLE 4" END CAPS

These End Cap Kits allow you to personalize your Screamin' Eagle Street Performance Touring Mufflers. Available in your choice of styles, these easy-to-install caps are dressed with the same finish as the mufflers and exhaust shields for a consistent look front to back. Sold in pairs, the kit includes all required mounting hardware.

Fits '09-later Touring and Trike models equipped with Screamin' Eagle Street Performance Touring 4" End Cap Mufflers. Does not fit 4" CVO Touring mufflers.

65100016 Revolver.

65100015 Piston.

65100019 Slash Up/Down/Out.

65100018 Billet Tapered Slash.

65100017 Fishtail.

65100028 Satin Black Anodized.

80611-09 Blunt Revolver.

EXHAUST



E. SCREAMIN' EAGLE 4" END CAPS

26 EXHAUST
Touring Exhaust

A. SCREAMIN' EAGLE® THUNDER STREET PERFORMANCE SLIP-ON MUFFLERS

Hear the thunder long before the storm hits. Screamin' Eagle® 3.5" Performance Mufflers provide increases in torque and horsepower you can feel. Designed to work with the header-mounted catalysts, these pipes feature an open baffle design that produces a rich, deep base note that meets 50-state sound level requirements. Internal insulation protects the rich chrome finish from heat and discoloration. Fitted with your choice of stylish end caps (sold separately), these easy-to-install slip-on mufflers make the styling and sound statement you are looking for.

Fits 50-state '10-later Touring models (except '10 FLHX and FLTRX and models equipped with 110CI engines). Also fits '09 California Touring models. Does not fit Trike models. Requires separate purchase of End Cap Kit and Muffler Clamps P/N 65296-95A (Qty 2).

- 65115-10 Chrome.
- 65430-10 Jet Black.

B. SCREAMIN' EAGLE 3.5" END CAPS

These End Cap kits allow you to personalize your Screamin' Eagle Street Performance Touring Mufflers. Available in your choice of styles, these easy-to-install caps are dressed with the same finish as the mufflers and exhaust shields for a consistent look front to back. Sold in pairs.

Fits Touring models equipped with Screamin' Eagle 3.5" diameter Thunder Street Performance Slip-On Mufflers P/N 65115-10 and 65430-10.

- 1. 80629-10 Piston.
- 2. 80630-10 Slash Cut.
- 3. 65100013 Slotted - Black with Chrome Spears.
- 4. 65100014 Slotted - Chrome with Black Spears.
- 5. 65100029 Satin Black Anodized.
- 6. 65100035 Burst Collection.



A. SCREAMIN' EAGLE THUNDER STREET PERFORMANCE MUFFLERS – CHROME (SHOWN WITH PISTON END CAPS)



A. SCREAMIN' EAGLE THUNDER STREET PERFORMANCE MUFFLERS – JET BLACK (SHOWN WITH BLACK WITH CHROME SPEARS END CAPS)



B. SCREAMIN' EAGLE 3.5" END CAPS



C. SCREAMIN' EAGLE STREET PERFORMANCE SLIP-ON MUFFLERS – CHROME



C. SCREAMIN' EAGLE STREET PERFORMANCE SLIP-ON MUFFLERS – JET BLACK



D. SCREAMIN' EAGLE FATSHOTZ 2-INTO-2 SLIP-ON MUFFLERS

C. SCREAMIN' EAGLE® STREET PERFORMANCE SLIP-ON MUFFLERS

Street Performance one-piece touring mufflers feature an aggressive exhaust note and high-flowing internals to maximize performance. These easy-to-install slip-on mufflers feature free-flowing internals to combine aggressive sound quality with performance comparable to Screamin' Eagle® II race-use mufflers. Available in your choice of mirror chrome or tough jet black ceramic finish, these street compliant mufflers feature a new ballistic-shape inlet and a deep embossed "Screamin' Eagle" signature script. EPA stamped.

Fits 50-state '09-later Touring models (except '10 FLHX and FLTRX) equipped with Twin Cam 96™ engines. Does not fit Trike models. Installation requires separate purchase of Muffler Clamps P/N 65296-95A (Qty. 2).

80721-09 Chrome.

80742-09A Jet Black.

D. SCREAMIN' EAGLE FATSHOTZ 2-INTO-2 SLIP-ON MUFFLERS

Provide a performance and style boost to your 2-into-2 exhaust-equipped Touring motorcycle. Designed for easy installation on the Original Equipment header pipes and muffler hangers, these mirror chrome flared mufflers are tuned to maximize airflow while keeping the rich exhaust note within the legal limits. EPA stamped, these mufflers are 50-state street compliant on stock displacement engines.

80847-10

Fits 50-state '10-later Touring and Trike models with dual exhaust (except '14-later FLHRSE and FLHTKSE). '10 FLHX and FLTRX models require separate purchase of Touring 2-into-2 Head Pipe Kit. Also fits '09 California Touring and Trike models. Installation requires separate purchase of Muffler Clamps P/N 65296-95A (Qty. 2).

NOTE: There is no warranty on exhaust pipes and mufflers with regard to any discoloration. Blueing is caused by tuning characteristics, cam timing, carburetor jetting, over-heating, etc. and is not caused by defective manufacturing.

28 EXHAUST
Touring Exhaust

A. SCREAMIN' EAGLE® LASER EXHAUST SHIELD KIT

Show-winning style. This kit replaces the factory exhaust shields with a unique and attention-getting design. The shields feature laser cut openings that are filled with tightly-woven mesh that delivers a modern high performance look. Available in chrome or jet black ceramic, the finish is a perfect match for Original Equipment or Screamin' Eagle® mufflers. The easy-to-install kits include front and rear header shield and collector shield.

Fits '09-later Touring and Trike models (except '10 FLHX and FLTRX).

65400064	Chrome with Chrome Screens.
65400117	Jet Black with Stainless Steel Screens.

B. SCREAMIN' EAGLE EXHAUST SHIELD KIT – TOURING

Available for 2-into-1 and 2-into-2 exhaust systems, these formed steel exhaust shields feature a unique jet black ceramic coating that complements the jet black Screamin' Eagle Street Performance Slip-On Mufflers. The jet black coating maintains its uniform black finish and has survived stringent Harley-Davidson testing for durability and corrosion resistance. Manufactured to Original Equipment standards for exacting fit, the easy-to-install kit includes front and rear head pipe shields.

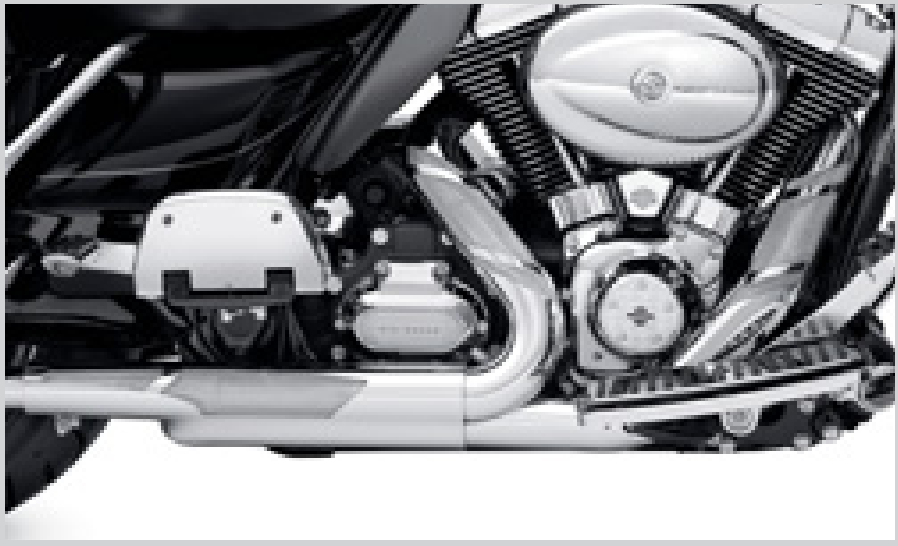
1. 64981-09 Jet Black 2-into-2 Exhaust.
Fits '09-later Touring and Trike models (except '10 FLHX and FLTRX).

2. 66906-10 Jet Black 2-into-1 Exhaust.
Fits '10 FLHX and FLTRX models with Original Equipment 2-into-1 exhaust.

C. SCREAMIN' EAGLE PRO EXHAUST WRAP KIT

Give your bike the ultimate old school look with Screamin' Eagle Exhaust Wrap. This premium exhaust wrap is available in three colors: Bronze, Midnight Grey and Off-White. Each kit includes a 2.0" x 25' roll of exhaust wrap and 10 stainless steel ties, enough to complete any Harley-Davidson® air-cooled model application. **For race application only.**

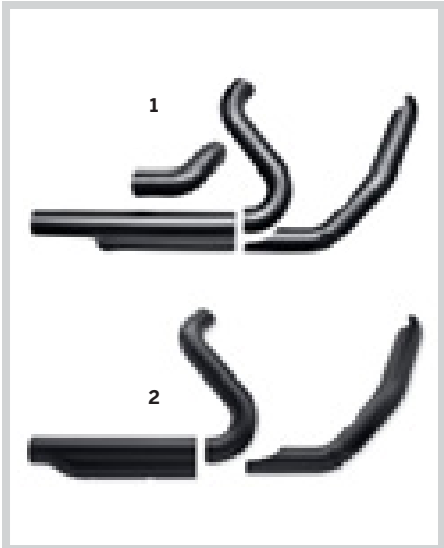
65858-08	Midnight Grey.
11100026	Bronze.
65855-08	Off-White.



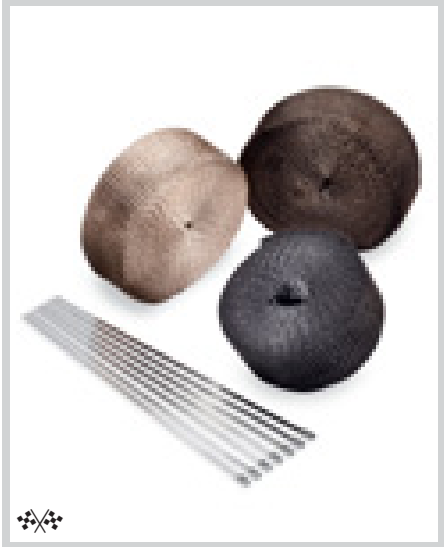
A. SCREAMIN' EAGLE LASER EXHAUST SHIELD KIT – CHROME WITH CHROME SCREENS



A. SCREAMIN' EAGLE LASER EXHAUST SHIELD KIT



B. SCREAMIN' EAGLE EXHAUST SHIELD KIT – TOURING

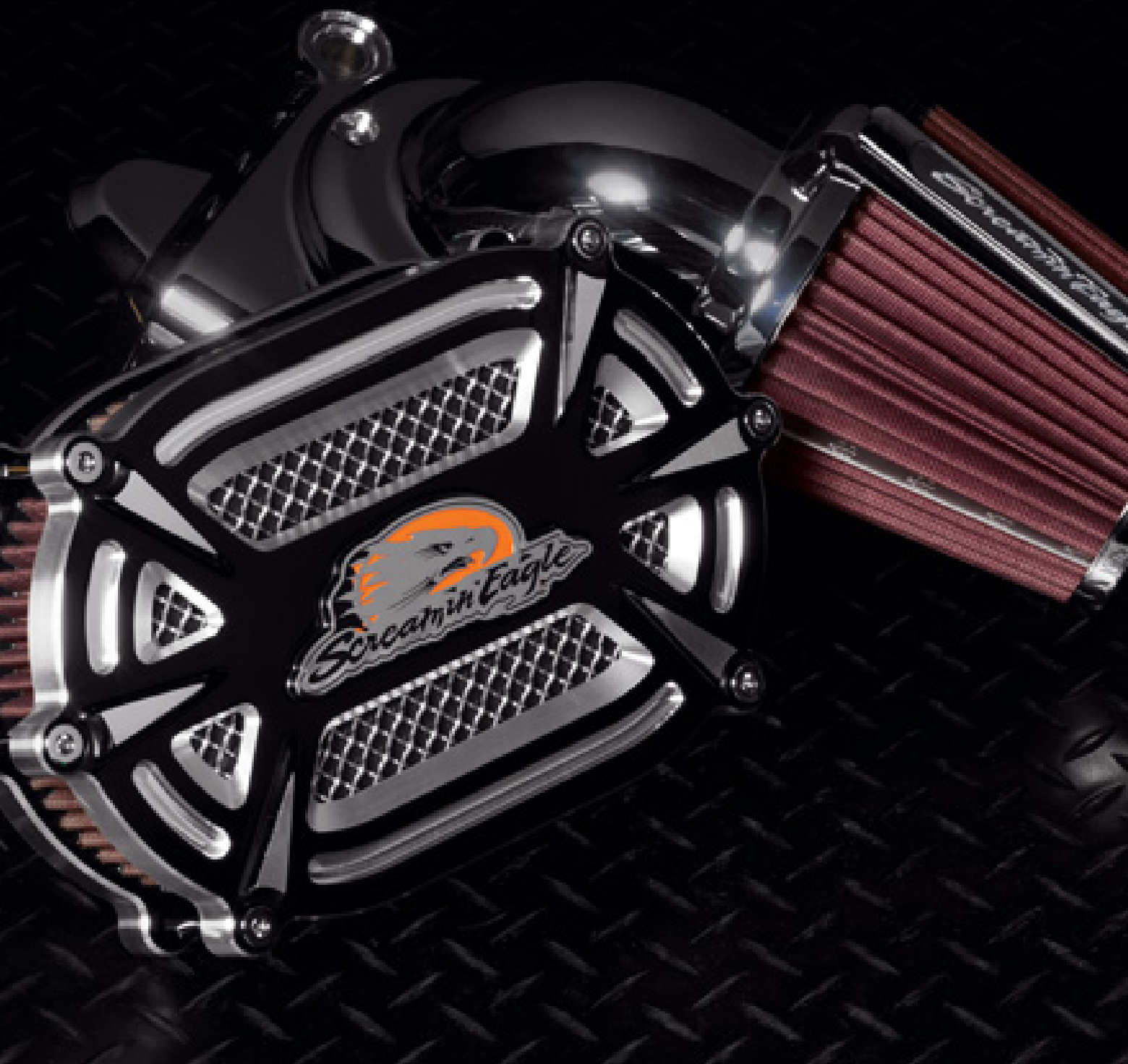


C. SCREAMIN' EAGLE PRO EXHAUST WRAP KIT

AIR CLEANERS & INTAKE

TAKE A DEEP BREATH

Improved airflow equals more power. Adding a performance air cleaner and a set of system-matched slip-on mufflers to your bike produces the most “bang for the buck” when it comes to performance additions. And for the most competitive track ride, a big-bore throttle body and high-flow injectors will deliver the ultimate punch.



30 INTAKE
Air Cleaner Kits

A. SCREAMIN' EAGLE® PERFORMANCE AIR CLEANER KIT – THE RAIL COLLECTION

The look is bold and the performance exhilarating. This race-inspired air cleaner is engineered to flow through the perimeter and the face of the air filter, providing high volumes of unrestricted airflow to the engine. The open-design face plate features a rich black finish with machined longitudinal strakes to expose the glowing aluminum below. Kit includes air cleaner trim, one-piece cast back plate, high-flow washable air filter element, rain sock and all required hardware. All EFI-equipped models require ECM calibration* (priced separately).

29400232
Fits '07-later XL models with Original Equipment throttle body.

*Recalibration is required for proper installation. See Dealer for details. Labor cost not included.

B. SCREAMIN' EAGLE PERFORMANCE AIR CLEANER KIT – THE BURST COLLECTION

Performance and style combined. Designed to complement the Burst Collection, this radical low profile air cleaner features a "tuxedo black" surround that has been expertly machined to expose the satin aluminum finish below. The billet cover conceals a one-piece cast back plate with integral breather and mounting bracket that promotes smooth air flow into the throttle body. The exposed reverse cone cotton element provides high-volumes of air and the element is washable for maximum efficiency and protection. The complete kit includes Burst Collection trim, backing plate, air cleaner element and all required installation hardware. All EFI-equipped models require ECM calibration* (priced separately).

29000066
Fits '16-later Softail® and '08-later Touring and Trike models with Original Equipment 50mm throttle body. Also fits '16-later Softail, '14-later CVO™ Softail and '14-later Touring models equipped with Screamin' Eagle® 58mm Throttle Body.

29400178
Fits '08-later Dyna® and '08-'15 Softail models (except '14-'15 FLSTNSE, '11-'12 FLSTSE and '13-'14 FXSBSE).

*Recalibration is required for proper installation. See Dealer for details. Labor cost not included.

NOTE: The washable and rechargeable filter uses a special coating to help filter fine particles from the incoming air. With time, the oil in the filter will dissipate and the element will begin to turn gray. The original red color can be restored with an application of K&N® Air Filter Oil.



A. SCREAMIN' EAGLE PERFORMANCE AIR CLEANER KIT – THE RAIL COLLECTION



B. SCREAMIN' EAGLE PERFORMANCE AIR CLEANER KIT – THE BURST COLLECTION



A. SCREAMIN' EAGLE PERFORMANCE AIR CLEANER KIT – THE RAIL COLLECTION



B. SCREAMIN' EAGLE PERFORMANCE AIR CLEANER KIT – THE BURST COLLECTION



C. SCREAMIN' EAGLE HEAVY BREATHER ELITE PERFORMANCE AIR CLEANER KIT – CHROME

C. SCREAMIN' EAGLE® HEAVY BREATHER ELITE PERFORMANCE AIR CLEANER KIT

Really open it up. This Heavy Breather Elite Air Cleaner features a forward-facing filter element that flows huge volumes of clean air. The low-profile cast elbow and the oval cross-section element combine to hug the engine to provide increased leg room. The intake tube mounts to a custom back plate that features integral breathers and covers the throttle body and electronics for a finished look. Available in your choice of chrome or gloss black finish, the Heavy Breather Elite kit features a washable and re-chargeable filter features bright chrome end caps and trim with Screamin' Eagle® script. Kit includes filter, intake tube, custom back plate, water-repellent rain sock and all mounting hardware. All EFI-equipped models require ECM calibration* (priced separately).

Fits '16-later Softail®, '11-later CVO™ Softail and '14-later Touring and Freewheeler® models. Does not fit models equipped with Twin-Cooled™ engine, fairing lower glove boxes or fairing lower speakers. Also fits '16-later Softail, '14-later CVO Softail and '14-later Touring models equipped with Screamin' Eagle 58mm Throttle Body.

29400173 Chrome.

29400172 Gloss Black.

*Recalibration is required for proper installations. See dealer for details. Labor costs not included.

NOTE: The washable and rechargeable filter uses a special coating to help filter fine particles from the incoming air. With time, the oil in the filter will dissipate and the element will begin to turn gray. The original red color can be restored with an application of K&N® Air Filter Oil.



C. SCREAMIN' EAGLE HEAVY BREATHER ELITE PERFORMANCE AIR CLEANER KIT – GLOSS BLACK



C. SCREAMIN' EAGLE HEAVY BREATHER ELITE PERFORMANCE AIR CLEANER KIT



C. SCREAMIN' EAGLE HEAVY BREATHER ELITE PERFORMANCE AIR CLEANER KIT (SHOWN WITH RAIN SOCK)

32 INTAKE

Air Cleaner Kits

A. SCREAMIN' EAGLE® HEAVY BREATHER PERFORMANCE AIR CLEANER KIT

This high-flow forward-facing exposed element Air Cleaner Kit is sure to turn heads at the starting line. Featuring a polished elbow and exposed filter, this unique air cleaner system offers improved performance and airflow when compared to the stock or Screamin' Eagle® High-Flow Air Cleaner. The washable and rechargeable filter features a bright chrome end cap with a laser-engraved Screamin' Eagle logo. Intake tube and back plate are made from die-cast lightweight aluminum and are polished and chrome-plated or painted black for a brilliant finish. The back plate features integral breathers and sealed breather bolt plug. Kit includes a water-repellent rain sock and all mounting hardware. All EFI-equipped models require ECM calibration* (priced separately).

Fits '16-later Softail®, '11-later CVO™ Softail, '08-later Touring and '15-later Freewheeler® models. Also fits '16-later Softail, '14-later CVO Softail and '14-later Touring models equipped with Screamin' Eagle 58mm Throttle Body. Does not fit models equipped with fairing lower glove boxes or fairing lower speakers. Does not fit Twin-Cooled™ models. Also fits with 58mm Throttle Body P/N 27713-08 and 27639-07B (**race application only**). Installation with Throttle Body 27639-07B requires purchase of (2) screw P/N 29465-08.

29253-08B Chrome.

29006-09B Gloss Black.

Fits '08-later Touring and '15-later Freewheeler models equipped with Fairing Lower Glove Boxes (except Twin-Cooled models or models equipped with fairing lower speakers). Also fits '16-later Softail, '14-later CVO Softail and '14-later Touring models equipped with Screamin' Eagle 58mm Throttle Body. Also fits with 58mm Throttle Body P/N 27713-08 and 27639-07B (**race application only**). Installation with Throttle Body P/N 27639-07B requires separate purchase of (2) Screw P/N 29465-08.

28716-10A Compact Design – Chrome.

Fits '08-later Dyna® and '08-'15 Softail models except ('11-later CVO Softail). Street compliant when used with Original Equipment throttle body. Also fits '99-'07 Dyna, '00-'07 Softail and '99-'07 Touring models (except '99-'01 EFI Touring) and models equipped with 50mm Throttle Body P/N 27623-05 (**race application only**). Does not fit models equipped with fairing lower glove boxes or fairing lower speakers.

29299-08 Chrome.

29098-09 Gloss Black.

Fits '08-later XL models. Street compliant when used with Original Equipment throttle body. Also fits '91-'07 XL models (**race application only**). Installation on '91-'03 models requires purchase on Breather Screw P/N 3565.

29264-08 Chrome.

29080-09 Gloss Black.

Fits '16-later Softail and '08-later Touring models equipped with 64mm EFI Throttle Body P/N 27300033. Does not fit models equipped with fairing lower glove boxes, fairing lower speakers or Twin-Cooled models.

29000065 Chrome.

Fits '06-later Dyna, '06-'15 Softail models (except '11-later CVO Softail) and '06-'07 Touring models equipped with 62mm EFI Throttle Body P/N 27300019A. Does not fit models equipped with fairing lower glove boxes or fairing lower speakers.

For race application only.

29400105 Chrome.

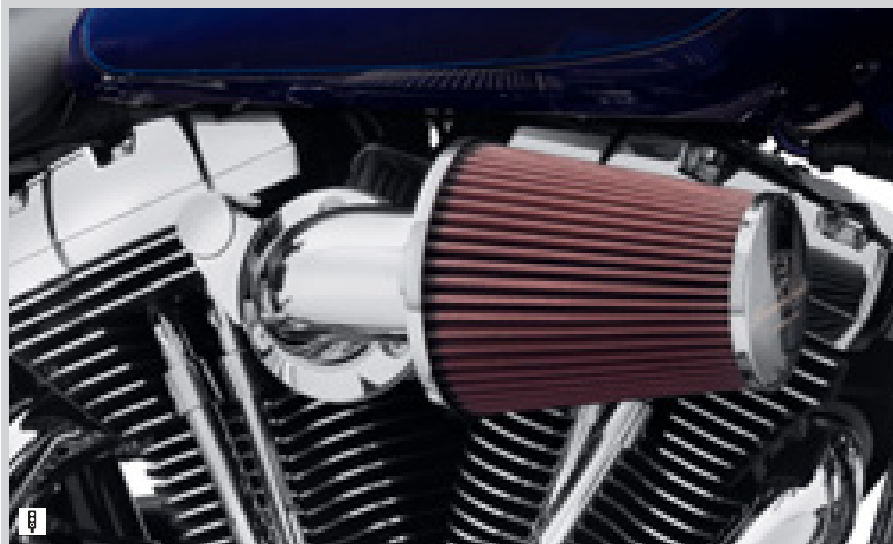
Fits '14-later XL1200 model equipped with Screamin' Eagle High Flow 58mm Throttle Body. Also fits '07-'13 XL1200 models equipped with Stage IV XL1200 Race kit. **For race application only.**

29400227 Black.

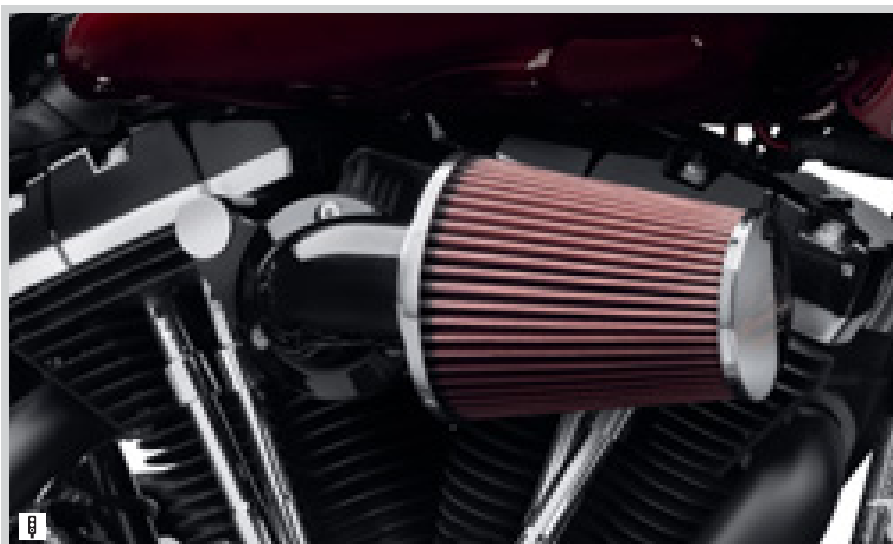
29400228 Chrome.

*Recalibration is required for proper installation. See Dealer for details. Labor cost not included.

NOTE: The washable and rechargeable filter uses a special coating to help filter fine particles from the incoming air. With time, the oil in the filter will dissipate and the element will begin to turn gray. The original red color can be restored with an application of K&N® Air Filter Oil.



A. SCREAMIN' EAGLE HEAVY BREATHER PERFORMANCE AIR CLEANER KIT – CHROME



A. SCREAMIN' EAGLE HEAVY BREATHER PERFORMANCE AIR CLEANER KIT – GLOSS BLACK



A. SCREAMIN' EAGLE HEAVY BREATHER AIR CLEANER KIT – COMPACT



A. SCREAMIN' EAGLE HEAVY BREATHER PERFORMANCE AIR CLEANER KIT – CHROME



A. SCREAMIN' EAGLE HEAVY BREATHER PERFORMANCE AIR CLEANER KIT – GLOSS BLACK



B. SCREAMIN' EAGLE HEAVY BREATHER FILTER COVER – TEARDROP, CUT BACK GLOSS BLACK – SIDE LOGO

B. SCREAMIN' EAGLE® HEAVY BREATHER FILTER COVER – TEARDROP

Dress up the Heavy Breather Air Cleaner with this radical cover. Manufactured from forged aluminum and precision CNC-machined and polished, these easy-to-install two-piece covers add a rich custom look. Cover is available in mirror-chrome or cut back gloss black finish to match your customizing direction. Kit includes water-repellent rain sock.

Fits Heavy Breather Air Cleaner filter elements (except Compact Heavy Breather P/N 28716-10 or Heavy Breather Elite P/N 29400173 and 29400172). Does not fit with decorative filter end caps.

29400061 Cut Back Gloss Black – Side Logo.

28739-10 Cut Back Gloss Black – End Logo.

28740-10 Chrome – End Logo.

C. SCREAMIN' EAGLE HEAVY BREATHER DECORATIVE END CAP – WILLIE G SKULL

Add a sinister touch to your Heavy Breather Air Cleaner. Chrome-plated self-adhesive cover features a forward-facing Willie G Skull medallion.

28720-10

Fits models equipped with Screamin' Eagle® Heavy Breather Air Cleaner Kits (except Compact Heavy Breather P/N 28716-10 or Heavy Breather Elite P/N 29400173 and 29400172).

D. SCREAMIN' EAGLE HEAVY BREATHER DECORATIVE MEDALLION

Add the finishing touch to your Heavy Breather Air Cleaner by installing this medallion. Featuring a bright chrome-plated die-cast base and contrasting black inlay with diamond cut "Screamin' Eagle" script. Easy to install.

29017-09

Fits models equipped with Heavy Breather Air Cleaner Kits (except Compact Heavy Breather P/N 28716-10 or Heavy Breather Elite P/N 29400173 and 29400172).

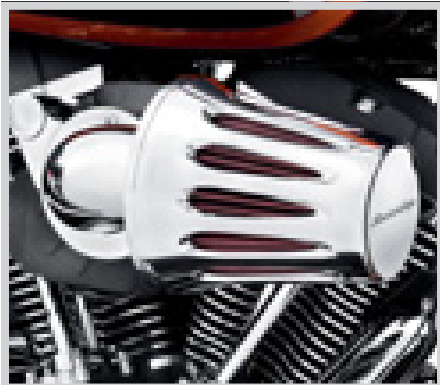
E. THROTTLE BODY COVER

This cover dresses the area between the Twin Cam cylinders for a custom look. The formed cover hugs the contour and conceals the electronic control module throttle body for a clean appearance. Available in your choice of mirror chrome or gloss black finish. Easy-to-install kit includes gaskets.

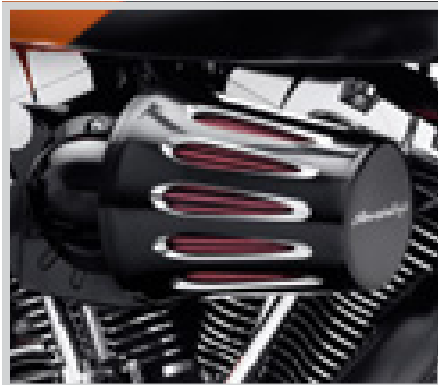
Fits '14-'15 FLSTNSE, '11-'12 FLSTSE, '13-'14 FXSBSE and '16-later Softail, '08-later Touring and Trike models equipped with Screamin' Eagle Heavy Breather or Burst Air Cleaner Kit.

61300109 Chrome.

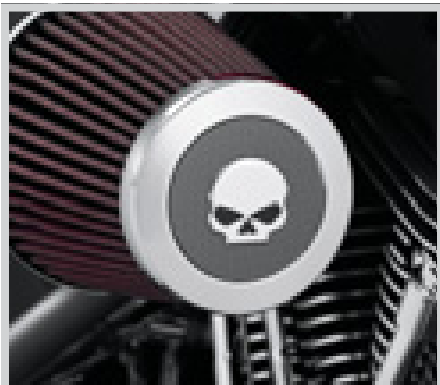
61300110 Gloss Black.



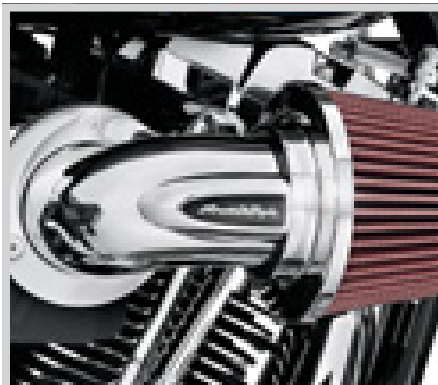
B. SCREAMIN' EAGLE HEAVY BREATHER FILTER COVER – TEARDROP, CHROME



B. SCREAMIN' EAGLE HEAVY BREATHER FILTER COVER – TEARDROP, CUT BACK GLOSS BLACK



C. SCREAMIN' EAGLE HEAVY BREATHER DECORATIVE END CAP – WILLIE G SKULL



D. SCREAMIN' EAGLE HEAVY BREATHER DECORATIVE MEDALLION



E. THROTTLE BODY COVERS

34 INTAKE
Air Cleaner Kits

A. SCREAMIN' EAGLE® EXTREME BILLET VENTILATOR AIR CLEANER KIT

The proven, track-inspired exposed element Ventilator air cleaner with a completely totally unique look. This low-profile oval air cleaner features a 360° exposed filter element for maximum air flow and a stylish machined billet aluminum cover for style. Available in your choice of chrome or cut back gloss black finish, the two-piece billet cover surrounds the filter and features a full color Screamin' Eagle® medallion. The cast back plate ensures smooth air flow to the throttle body and the included rain sock protects the filter and engine from drawing in moisture during inclement weather. This easy-to-install kit includes billet air cleaner cover, high-flow filter element, back plate, protective rain sock and all required installation hardware. Street compliant when used with stock mufflers. All EFI-equipped models require ECM calibration* (priced separately).

Fits '16-later Softail® and '09-later Touring and Trike models. Also fits '11-later CVO™ Softail models.

Table with 2 columns: Part Number, Finish. Row 1: 29400163, Chrome. Row 2: 29400164, Cut Back Gloss Black.

Fits '16-later Softail, '14-later CVO Softail and '14-later Touring models equipped with Screamin' Eagle 58mm Throttle Body.

Table with 2 columns: Part Number, Finish. Row 1: 29400223, Chrome. Row 2: 29400224, Cut Back Gloss Black.

Fits '10-later Dyna® and '10-'15 Softail models (except '11-later CVO Softail models).

Table with 2 columns: Part Number, Finish. Row 1: 29400167, Chrome. Row 2: 29400168, Cut Back Gloss Black.

Fits '16-later Softail, '11-later CVO Softail and '08-later Touring models equipped with Screamin' Eagle Pro High Flow 58mm Throttle Body P/N 27713-08. For race application only.

Table with 2 columns: Part Number, Finish. Row 1: 29400165, Chrome. Row 2: 29400166, Cut Back Gloss Black.

*Recalibration is required for proper installation. See Dealer for details. Labor cost not included.



A. SCREAMIN' EAGLE EXTREME BILLET VENTILATOR AIR CLEANER KIT – CHROME



A. SCREAMIN' EAGLE EXTREME BILLET VENTILATOR AIR CLEANER KIT – CUT BACK GLOSS BLACK



A. SCREAMIN' EAGLE EXTREME BILLET VENTILATOR AIR CLEANER KIT – CHROME



A. EXTREME BILLET VENTILATOR AIR CLEANER KIT (SHOWN WITH RAIN SOCK)



B. SCREAMIN' EAGLE VENTILATOR ELITE AIR CLEANER KIT – CHROME

B. SCREAMIN' EAGLE® VENTILATOR ELITE AIR CLEANER KIT

This low-profile oval air cleaner features a 360° exposed filter element and a cast back plate designed to provide maximum air flow to the throttle body. This easy-to-install air cleaner produces significant performance gains, while the sleek center bar design cover with carbon fiber inserts add a luxurious touch. This complete kit includes low-profile air cleaner cover, high-flow filter element, back plate, diamond-cut Screamin' Eagle® medallion, protective rain sock and all required installation hardware. Street compliant when used with stock mufflers. All EFI-equipped models require ECM calibration* (priced separately).

Fits '16-later Softail® and '09-later Touring and Trike models. Also fits '11-later CVO™ Softail models.

29400217 Chrome.

29400218 Gloss Black.

Fits '16-later Softail, '14-later CVO Softail and '14-later Touring models equipped with Screamin' Eagle 58mm Throttle Body.

29400219 Chrome.

29400230 Black.

*Recalibration is required for proper installation. See Dealer for details. Labor cost is not included.

Also available:

SCREAMIN' EAGLE VENTILATOR ELITE AIR CLEANER COVER

Add a luxurious finishing touch to your Ventilator Air Cleaner. Designed as a direct replacement for the Screamin' Eagle and CVO Ventilator Air Cleaners, this easy to install cover features a sleek center bar design surrounded with carbon fiber inserts. Kit includes low-profile cover, diamond-cut Screamin' Eagle medallion and chrome mounting hardware.

Fits Dyna®, Softail, Touring and Trike models equipped with Screamin' Eagle Ventilator Air Cleaner Kits P/N 29490-09, 29915-09, 28721-10, 28722-10 or 29400039. Also fits Dyna HO103 and CVO models with Original Equipment Ventilator Air Cleaner.

61300516 Chrome.

61300517 Gloss Black.

C. SCREAMIN' EAGLE VENTILATOR PERFORMANCE AIR CLEANER KIT

Stylish low-profile exposed element air cleaner kit provides increased airflow to boost the power of your fuel-injected engine. The track-inspired exposed element adds a purposeful look to the bike and the included waterproof rain sock protects the filter during inclement weather. This easy-to-install kit includes low-profile air cleaner cover, high-flow filter element, back plate, Screamin' Eagle badge, protective rain sock and all required installation hardware. Street compliant when used with stock mufflers. All EFI-equipped models require ECM calibration* (priced separately).

Fits '10-later Dyna and '10-'15 Softail models (except '11-later CVO Softail models).

28721-10 Chrome.

28722-10 Gloss Black.

*Recalibration is required for proper installation. See Dealer for details. Labor cost is not included.



B. SCREAMIN' EAGLE VENTILATOR ELITE AIR CLEANER KIT – BLACK



B. SCREAMIN' EAGLE VENTILATOR ELITE AIR CLEANER KIT



C. SCREAMIN' EAGLE VENTILATOR PERFORMANCE AIR CLEANER KIT – CHROME



C. SCREAMIN' EAGLE VENTILATOR PERFORMANCE AIR CLEANER KIT – GLOSS BLACK

36 INTAKE
Air Cleaner Kits

A. SCREAMIN' EAGLE® EXTREME BILLET AIR CLEANER KIT

The bold styling of this intake system looks just as impressive as the long patch of burnout rubber you just laid down. The forged billet aluminum cover tops off a cast back plate with integral breather for a smooth transition to the throttle body. The race-inspired air cleaner is engineered to flow high volumes of air and the washable pleated element provides the ideal combination of efficiency and engine protection. Available in your choice of style and finish, this easy-to-install kit includes all mounting hardware and rain sock. All EFI-equipped models require ECM calibration* (priced separately).

Fits '16-later Softail® and '08-later Touring and Trike models with Original Equipment 50mm Throttle Body.

- 29400064 Agitator – Chrome.
- 29400063 Agitator – Cut Back Gloss Black.
- 29400104 Chisel – Chrome.
- 29400103 Chisel – Cut Back Gloss Black.

Fits '16-later Softail, '14-later CVO™ Softail and '14-later Touring models equipped with Screamin' Eagle® 58mm Throttle Body.

- 29400221 Chisel – Chrome.
- 29400220 Chisel – Cut Back Gloss Black.

Fits '08-later Dyna® and '08-'15 Softail models (except '11-later CVO Softail).

- 29400116 Chisel – Cut Back Gloss Black.
- 29400117 Chisel – Chrome.

Fits '07-later XL models with Original Equipment throttle body.

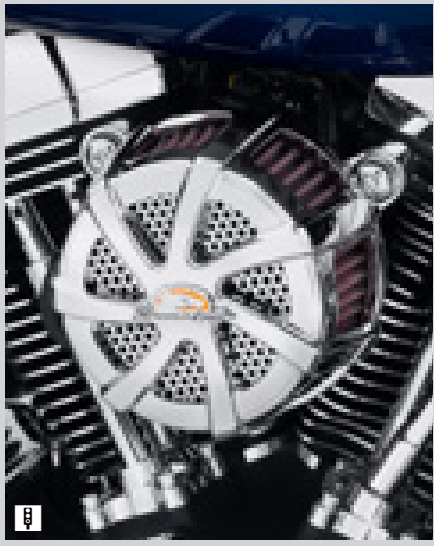
- 29400127 Chisel – Cut Back Gloss Black.
- 29400128 Chisel – Chrome.

Fits '16-later Softail and '08-later Touring models equipped with Screamin' Eagle Pro 58mm Throttle Body P/N 27713-08. For race application only.

- 29400124 Chisel – Chrome.
- 29400123 Chisel – Cut Back Gloss Black.

*Recalibration is required for proper installation. See Dealer for details. Labor cost not included.

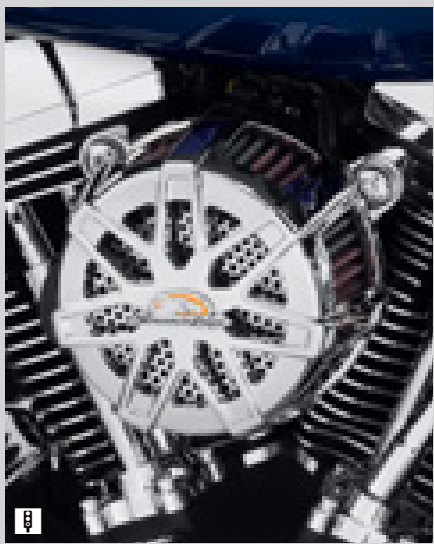
NOTE: The washable and rechargeable filter uses a special coating to help filter fine particles from the incoming air. With time, the oil in the filter will dissipate and the element will begin to turn gray. The original red color can be restored with an application of K&N® Air Filter Oil.



A. EXTREME BILLET AIR CLEANER KIT – AGITATOR, CHROME



A. EXTREME BILLET AIR CLEANER KIT – AGITATOR, CUT BACK GLOSS BLACK



A. EXTREME BILLET AIR CLEANER KIT – CHISEL, CHROME



A. EXTREME BILLET AIR CLEANER KIT – CHISEL, CUT BACK GLOSS BLACK



A. EXTREME BILLET AIR CLEANER KIT



A. EXTREME BILLET AIR CLEANER KIT (SHOWN WITH RAIN SOCK)



B. SCREAMIN' EAGLE SPORTSTER STAGE I AIR CLEANER KIT – OVAL



B. SCREAMIN' EAGLE® SPORTSTER® STAGE I AIR CLEANER KIT – OVAL

The XL Stage I Air Cleaner Kit provides increased airflow to boost the power of your fuel-injected Sportster® model. The complete kit features a composite air cleaner back plate, air cleaner cover adapter, a high-flow washable synthetic media filter element that does not require oiling and a breather system that routes gasses and excess oil directly into the intake. Kit also includes cover trim and all mounting hardware. Street compliant when used with stock mufflers. All models require ECM calibration* (priced separately).

29782-07

Fits '07-later XL models with Original Equipment throttle body and stock oval air cleaner cover. XL1200V requires separate purchase of oval air cleaner cover P/N 29084-04DH.

*Recalibration is required for proper installation. See Dealer for details.

C. SCREAMIN' EAGLE SPORTSTER STAGE I AIR CLEANER KIT – ROUND

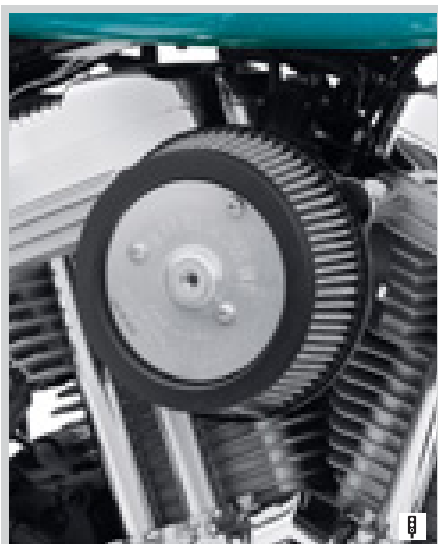
The XL Stage I Air Cleaner Kit provides increased airflow to boost the power of your fuel-injected Sportster model. Available with brilliant chrome or gloss black back plate, this Round Air Cleaner transforms the appearance of your Evolution power plant and allows you to replace the Original Equipment oval air cleaner cover with your choice of accessory round covers. Or choose to flaunt your performance gains with the open element look, finished with custom Air Cleaner Trim from one of the Harley-Davidson® decorative collections. Kit includes one-piece cast back plate, high-flow washable air filter element and all required hardware. Street compliant when used with stock mufflers. Requires ECM calibration* (priced separately).

Fits '07-later XL models with Original Equipment throttle body. Requires separate purchase of a round air cleaner cover or Twin Cam-style air cleaner trim. Air Cleaners P/N 29400-08, 29153-07, 29417-04, 61400007, 61400009, 61300057 and 27956-10 require separate purchase of Screw P/N 29269-83A. XL1200V requires separate purchase of Gasket P/N 25700127.

29000019A Chrome.

29000009A Black.

*Recalibration is required for proper installation. See Dealer for details.



C. SCREAMIN' EAGLE SPORTSTER STAGE I AIR CLEANER KIT – ROUND



D. SCREAMIN' EAGLE PRO HIGH-FLOW AIR CLEANER KIT – SPORTSTER MODELS

This air cleaner kit provides increased air flow when used with stock or Screamin' Eagle® carburetors or fuel injection systems. It includes a composite back plate, an air cleaner cover adapter and a high-flow, washable element that does not require oiling. In addition, the breather system has been redesigned to route breather gases directly into the inlet to minimize excess oil in the air cleaner assembly. Kit includes air cleaner element, back plate, air cleaner cover adapter, air cleaner trim and all necessary installation accessories. All EFI-equipped models require ECM calibration* (priced separately). **For race application only.**

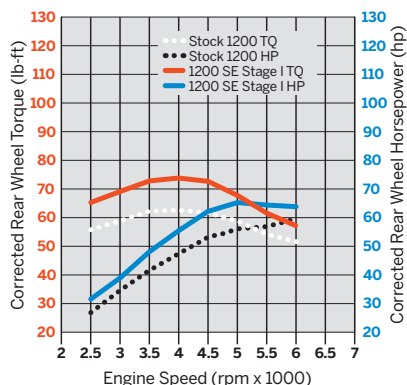
29042-04C

Fits '04-later XL models with stock oval air cleaner cover. XL1200V requires separate purchase of oval air cleaner cover P/N 29084-04DH.

29066-03B Fits '88-'03 XL models.

*Recalibration is required for proper installation. See Dealer for details. Labor cost not included.

Sportster 1200 Stock vs. Stage I Air Cleaner & Street Cannon Mufflers



D. SCREAMIN' EAGLE PRO HIGH-FLOW AIR CLEANER KIT – SPORTSTER MODELS

38 INTAKE
Air Cleaner Kits

A. SCREAMIN' EAGLE® STAGE I
AIR CLEANER KIT

The Stage I Air Cleaner Kit provides increased airflow to boost the power of your fuel-injected model. Kit features a one-piece cast back plate with integral breather and mounting brackets for simplified installation and a synthetic washable air cleaner element that does not require oiling. Available with a brilliant chrome or black back plate, this round air cleaner element can be dressed with most Original Equipment or accessory air cleaner covers. Or choose to flaunt your performance gains with the open element look, and finish it off with a Rain Sock Kit P/N 28728-10 and custom Air Cleaner Trim from one of the Harley-Davidson® decorative collections. This kit includes air cleaner, back plate, breather and all required hardware. Street compliant when used with stock mufflers. All EFI-equipped models require ECM calibration* (priced separately).

Fits '16-later Softail® and '14-later Touring and Trike models (except CVO™ Touring) with Original Equipment 50mm Throttle Body.

- 29400234 Chrome.
- 29400233 Texture Black.

Fits '08-'15 Softail models (except CVO Softail). Also fits '08-later Dyna® models equipped with accessory Air Cleaner Cover. Also fits '04-'07 EFI Dyna, '01-'07 EFI Softail, and '02-'07 EFI Touring. FLS, FLSTSB, FXS and '13-later FXDB models require separate purchase of Gasket P/N 29591-99 and Screw P/N 29703-00.

- 29400240 Chrome.
- 29400239 Texture Black.

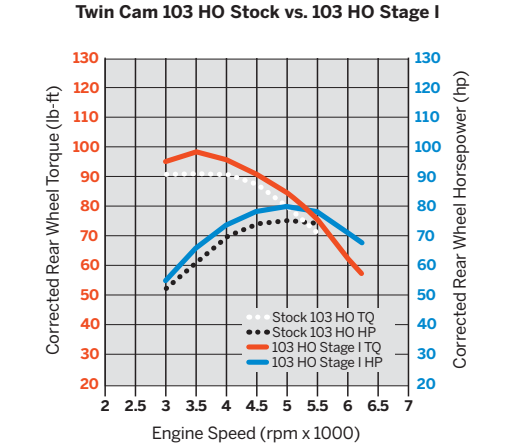
Fits '08-later Dyna models with Original Equipment Teardrop Air Cleaner Cover.

- 29400236 Chrome.
- 29400235 Texture Black.

Fits '08-'13 Touring and Trike models (except CVO Touring) with Original Equipment 50mm throttle body.

- 29400238 Chrome.
- 29400237 Texture Black.

*Recalibration is required for proper installation. See Dealer for details. Labor cost not included.



A. STAGE I AIR CLEANER KIT – CHROME (29400234 SHOWN)



A. STAGE I AIR CLEANER KIT – BLACK (29400239 SHOWN)



A. STAGE I AIR CLEANER KIT – BLACK (29400235 SHOWN)



A. STAGE I AIR CLEANER KIT – CHROME (29400238 SHOWN)



A. STAGE I AIR CLEANER KIT – BLACK (29400233 SHOWN)



A. STAGE I AIR CLEANER KIT – CHROME (29400240 SHOWN)



A. STAGE I AIR CLEANER KIT – CHROME (29400236 SHOWN)



A. STAGE I AIR CLEANER KIT – BLACK (29400237 SHOWN)

NEW



B. SCREAMIN' EAGLE STAGE I AIR CLEANER KIT (29400222 SHOWN)

B. SCREAMIN' EAGLE® STAGE I AIR CLEANER KIT

The Stage I Air Cleaner Kit provides increased airflow to boost the power of your fuel-injected model. Kit features a one-piece cast back plate with integral breather and mounting brackets for simplified installation and a synthetic washable air cleaner element that does not require oiling. Kit includes air cleaner, back plate, breather and all required hardware. Street compliant when used with stock mufflers. All EFI-equipped models require ECM calibration* (priced separately).

29400222 Raw Aluminium.

Fits '16-later Softail® and '14-later Touring models equipped with Screamin' Eagle® 58mm EFI Throttle Body. Requires separate purchase of an Accessory Air Cleaner Cover.

29489-99C Raw Aluminium.

Fits '99-'01 fuel-injected Touring models.

*Recalibration is required for proper installation. See Dealer for details. Labor cost not included.

C. SCREAMIN' EAGLE PRO AIR CLEANER AND BREATHER KIT – 58MM THROTTLE BODY

The die-cast back plate and high-flow state-of-the-art synthetic media washable air filter provide large volumes of clean, stable air to the engine. The back plate features integral crankcase breather passages. Kit includes all required hardware and installation instructions. All EFI-equipped models require ECM calibration* (priced separately). **For race application only.**

29515-08

Fits '08-later Touring models equipped with Screamin' Eagle 58mm Throttle Body P/N 27713-08. Also fits '06-later Dyna®, Softail and '06-'07 Touring models equipped with 58mm Throttle Body P/N 27639-07B. '08-later Dyna models with Teardrop Air Cleaner Cover and '14-later Touring models require separate purchase of an Accessory Air Cleaner Cover.

*Recalibration is required for proper installation. See Dealer for details. Labor cost not included.

D. SCREAMIN' EAGLE PRO AIR CLEANER AND BREATHER KIT – CARBURETED EVOLUTION® 1340-EQUIPPED MODELS**

Back plate includes cast-in venturi and improved mounting system. Larger filter element is washable, does not require oiling, and provides more capacity for bigger air flows and power. Breather manifold and all required hardware are included. **For race application only.**

29543-99B

Fits '93-'99 Evolution® 1340-equipped models equipped with stock CV carburetor, 42mm or 45mm Flatslide carburetor or 44mm CV carburetor.

****NOTICE:** Installation of this kit requires jetting or recalibration for proper function. Failure to do so may cause a lean fuel condition which may result in engine damage.

E. SCREAMIN' EAGLE PERFORMANCE AIR CLEANER FOR VRSC™ MODELS

This high-flow air cleaner provides the clean stable air the engine needs for maximum performance. The washable filter element does not require oiling.

29793-02C Fits '02-later VRSC™ models.



E. SCREAMIN' EAGLE PERFORMANCE AIR CLEANER FOR VRSC MODELS

40 INTAKE
Air Cleaner Kits

A. SCREAMIN' EAGLE® AIR CLEANER INSERT

Dress your factory air cleaner cover with a diamond cut Screamin' Eagle® medallion. Lock patch holds the medallion firmly in place and is easy to remove for access to the air cleaner hardware.

61300299

Fits '16-later Softail® (except FLSTFBS) and '14-later Touring and Trike models with Original Equipment air cleaner cover. Does not fit CVO™ models.

B. SCREAMIN' EAGLE AIR CLEANER TRIM RING

Dress your air cleaner in the traditional H-D® orange and black. Easy-to-install trim ring features brilliant orange Screamin' Eagle script and Harley-Davidson lettering set against a gloss black background. Self adhesive backing.

29503-07

Fits '07 Dyna®, '07-'15 Softail (except FLSTSB and FXS), '07-'13 Touring and Trike models with Original Equipment air cleaner cover.

C. SCREAMIN' EAGLE AIR CLEANER RAIN SOCK

Add the open-element look to your Screamin' Eagle Stage-style Air Cleaner. This easy-to-install kit allows you to replace the traditional Original Equipment air cleaner cover with custom inserts from one of the H-D Decorative Collections. Kit includes a breathable mesh cover with classic Bar & Shield logo that stretches over the filter to maximize airflow while protecting the exposed element from the rain. Fits traditional cone-shaped air cleaner elements featured in many Screamin' Eagle Twin Cam Stage Kits.

28728-10

Fits Screamin' Eagle Stage I Round Air Cleaner Kits.

D. SCREAMIN' EAGLE AIR CLEANER BACK PLATE KITS

Finished in brilliant chrome or wrinkle black, these replacement back plates complement the finish of your engine. Cast back plate design features integral breather and mounting brackets for simplified installation.

Fits models equipped with Screamin' Eagle Stage Kits or High-Flow Air Cleaner Kits. Installation may require separate purchase of (2) O-Ring P/N 11292, (2) Breather Tube P/N 29557-05 and (2) Breather Screw P/N 29465-99. See your Dealer for details.

Fits '99-'07 Dyna, '99-'15 Softail (except '11-later CVO) and '02-'07 Touring models.

29510-05 Chrome.

29586-06 Wrinkle Black.

Fits '08-'13 Touring and Trike models.

29624-08 Chrome.

29319-08 Wrinkle Black.

Fits '08-later Dyna models with Original Equipment Teardrop Air Cleaner Cover.

29170-08 Chrome.

29119-08 Wrinkle Black.



A. SCREAMIN' EAGLE AIR CLEANER INSERT



B. SCREAMIN' EAGLE AIR CLEANER TRIM RING



C. SCREAMIN' EAGLE AIR CLEANER RAIN SOCK (SHOWN WITH #1 SKULL AIR CLEANER TRIM)



Multi-Fit

'08-'13 Touring

'08-later Dyna

D. SCREAMIN' EAGLE AIR CLEANER BACK PLATE KITS

E. SCREAMIN' EAGLE® HIGH-FLO K&N® AIR FILTER ELEMENT

K&N® replacement air filters are engineered to improve airflow for increased horsepower and quicker acceleration. K&N filters provide excellent filtration and because they are washable and reusable, you can clean the filter whenever conditions demand. Designed as direct replacements for specified fitments.

NOTE: These washable and rechargeable filters use a special coating to help filter fine particles from the incoming air. With time, the oil in the filter will dissipate and the element will begin to turn gray. Clean the surface and renew the original red color with an application of K&N Air Filter Care products.

1. 29400020 Stage I-Multi-fit.
Fits '07-later XL, '99-'07 Dyna®, '00-'15 Softail® and '99-'07 Touring models equipped with Stage I Air Cleaner Kit. Replacement for P/N 29442-99E.

2. 29400021 Stage I-Dyna.
Fits '08-later Dyna models equipped with Stage I Air Cleaner Kit. Replacement for P/N 29385-08.

3. 29400019 Stage I-Touring.
Fits '16-later Softail and '08-later Touring and Trike models equipped with Stage I Air Cleaner Kit. Replacement for P/N 29244-08.

4. 29400065 Extreme Billet.
Fits '15-later XG, '16-later Softail and '08-later Touring and Trike models equipped with Extreme Billet Agitator and Chisel Air Cleaner Kits.

4. 29400118 Extreme Billet.
Fits '07-later XL, '08-later Dyna and '08-'15 Softail models equipped with Extreme Billet Chisel Air Cleaner Kits.

5. 29400109 Burst Collection.
Fits '08-later Dyna, Softail, Touring and Trike models equipped with Burst Collection Air Cleaner Kits.

6. 29400026 Stage I-XL.
Fits '88-later Dyna models equipped with High-Flow Air Cleaner Kit P/N 29042-04C or 29066-03B. Replacement for P/N 29044-04B.

7. 29400022A Ventilator-Multi-fit.
Fits models equipped with Ventilator and Extreme Billet Ventilator Performance Air Cleaner Kits. Replacement for P/N 29670-09.

8. 29424-05A Heavy Breather-Multi-fit.
Fits models equipped with Heavy Breather Kit P/N 29098-09, 29299-08, 29080-09 or 29264-08.

8. 29702-08A Heavy Breather-Touring.
Fits models equipped with Heavy Breather Kit P/N 29006-09B, 29253-08B, 29000065 or 29400105.

9. 28714-10 Heavy Breather-Compact.
Fits '08-later Touring and Trike models equipped with Compact Heavy Breather Kit P/N 28716-10A.

10. 29400141 Heavy Breather-Elite.
Fits models equipped with Screamin' Eagle® Heavy Breather Elite Performance Air Cleaner Kit P/N 29400172 and 29400173.

F. K&N AIR FILTER CARE PRODUCTS

Clean and restore the original performance of K&N air filter elements. The washable and rechargeable filters use a special coating to help filter fine particles from the incoming air. With time, the oil in the filter will dissipate and the element will begin to turn gray. Clean the surface and renew the original red color with an application of K&N Air Filter Care products.

K&N AIR FILTER CARE SERVICE KIT

99850-92T
Complete kit to clean and re-oil K&N-type air filters. Includes one 12 oz bottle Air Filter Cleaner and one aerosol Air Filter Oil.

K&N AIR FILTER OIL

99882-88T 12 oz Aerosol.

K&N POWER KLEEN AIR FILTER CLEANER

Works well with K&N or dry synthetic Screamin' Eagle air filters.

93600004 32 oz with Sprayer.



E. SCREAMIN' EAGLE HIGH-FLO K&N AIR FILTER ELEMENT



F. K&N AIR FILTER CARE SERVICE KIT



F. K&N AIR FILTER OIL



F. K&N POWER KLEEN AIR FILTER CLEANER

42 INTAKE

EFI Throttle Body

A. SCREAMIN' EAGLE® STREET PERFORMANCE HIGH-FLOW 58MM EFI THROTTLE BODY

The biggest engines deserve the most fuel and air. This huge 58mm Throttle Body (8mm or 16% larger than stock) won't leave your engine starving for more air. The one-piece throttle body features Electronic Throttle Control technology. Just add your stock injectors. Choose from several different 58mm compatible high-flow air cleaner kits to feed this big-mouthed beast. All EFI equipped models require ECM calibration* (sold separately).

27200029

Fits '16-later FLSS and FLSTFBS, and '14-later CVO™ Touring models equipped with 110CI engines. Also fits '14-later Softail® and Touring models equipped with Screamin' Eagle® 110 Street Performance Upgrade Kits P/N 92500Q20, 92500Q31, 92500Q32 and 27508-11. Does not fit Trike models. Requires separate purchase of a 58mm Air Cleaner.

*Recalibration is required for proper installation. See Dealer for details. Labor cost not included.

B. SCREAMIN' EAGLE PRO HIGH-FLOW 58MM EFI THROTTLE BODY – ELECTRONIC THROTTLE*

The biggest engines deserve the most fuel. This huge 58mm Throttle Body (8mm or 16% larger than stock) won't leave your engine starving for more air. The one-piece throttle body features Electronic Throttle Control technology. Just add your stock injectors or the Screamin' Eagle Pro High-Flow Injector Kit P/N 27796-08 (sold separately). Stock injectors are recommended for engines making up to 100 rear wheel horsepower. Screamin' Eagle High-Flow injectors are recommended for engines creating greater than 100 rear wheel horsepower. All EFI-equipped models require ECM calibration (sold separately). **For race application only.**

27713-08

Fits '16-later Softail and '11-later CVO Softail and '08-later Touring models.

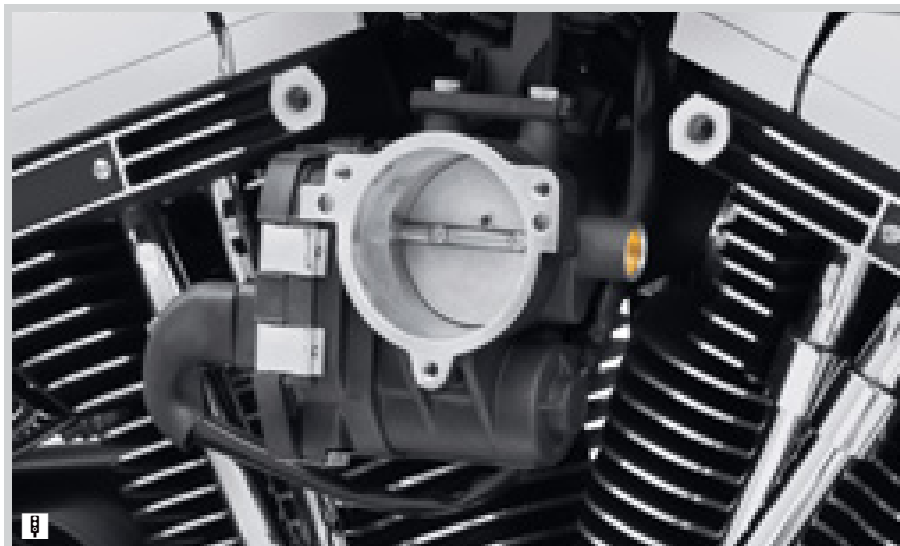
C. SCREAMIN' EAGLE PRO 50MM EFI THROTTLE BODY*

Higher flowing for larger displacement race engine applications. Includes throttle body and unique intake flanges and seals. This big bore throttle body features a 50mm throttle plate (a 4mm increase over the '06 Original Equipment throttle body) to provide increased airflow and more power. Higher flow rate injectors provide 25% more fuel to complement the increased airflow. Sensors, injectors (with a flow rate of 4.9 grams/second) and the IAC stepper motor are fully assembled on this bolt-on unit. All EFI-equipped models require ECM calibration (priced separately). **For race application only.**

27623-05A

Fits '06-later Dyna®, '06-'15 Softail and '06-'07 Touring equipped with accessory performance cylinder heads. The intake flanges supplied in this kit will only fit cylinder heads machined for use with the stock symmetrical intake flanges (Original Equipment since MY06). All Screamin' Eagle performance cylinder heads (except Kompressor and MCR Performance) with kit P/N extension of -06 or later have a intake port diameter of 1.750" and are machined for use with symmetrical intake flanges.

***NOTICE:** Installation of this kit requires jetting or recalibration for proper function. Failure to do so may cause a lean fuel condition which may result in engine damage.



A. SCREAMIN' EAGLE STREET PERFORMANCE HIGH-FLOW 58MM EFI THROTTLE BODY



A. SCREAMIN' EAGLE STREET PERFORMANCE HIGH-FLOW 58MM EFI THROTTLE BODY



B. SCREAMIN' EAGLE PRO HIGH-FLOW 58MM EFI THROTTLE BODY – ELECTRONIC THROTTLE



C. SCREAMIN' EAGLE PRO 50MM EFI THROTTLE BODY – (SHOWN WITH MAP SENSOR, NOT INCLUDED)

Front View

Back View



D. SCREAMIN' EAGLE PRO HIGH-FLOW 64MM EFI THROTTLE BODY – ELECTRONIC THROTTLE

D. SCREAMIN' EAGLE® PRO HIGH-FLOW 64MM EFI THROTTLE BODY – ELECTRONIC THROTTLE*

To provide the ultimate results, race engines need all the unrestricted air they can get. Designed to maximize the performance of your Race Xtreme component-equipped SE120R engine, this throttle body is ready to take on the track. The gigantic 64mm Throttle Body is precision-machined to ensure a smooth air flow. Throttle Body can be combined with the Oval-Ported High-Flow Intake Manifold P/N 27300035 and port-matched Hurricane Cylinder Heads, or mated to MVA and Factory CNC-Ported cylinder heads with Intake Manifold P/N 27300052. Screamin' Eagle® High-Flow Fuel Injectors P/N 27796-08 (sold separately) are recommended. All EFI models require ECM calibration (priced separately). **For race application only.**

27300033

Fits '16-later Softail®, '11-later CVO™ Softail and '08-later Touring models equipped with Screamin' Eagle Pro Hurricane CNC Oval Ported Cylinder Heads and High-Flow Intake Manifold P/N 27300035 or MVA Cylinder Heads and CNC-Ported Factory Heads with Intake Manifold P/N 27300052.

E. SCREAMIN' EAGLE PRO HIGH-FLOW INTAKE MANIFOLD – 64MM*

This cast manifold is machined to provide an exact fit and match to the CNC Ported Heads. Shaped to ensure a smooth transition and maximum air flow, this manifold is designed to accept the Screamin' Eagle Race Xtreme Throttle Body. Screamin' Eagle Pro High-Flow Injectors P/N 27796-08 (sold separately) are recommended. Kit includes mounting hardware. All EFI models require ECM calibration (priced separately). **For race application only.**

27300035 Hurricane Heads.

Fits '16-later Softail, '11-later CVO Softail and '08-later Touring models equipped with Screamin' Eagle Pro 64mm EFI Throttle Body P/N 27300033 and Hurricane CNC Oval Ported Cylinder Heads P/N 17799-10.

27300052 MVA Heads.

Fits '16-later Softail, '11-later CVO Softail and '08-later Touring models equipped with Screamin' Eagle Pro 64mm EFI Throttle Body P/N 27300033 and Screamin' Eagle Pro MVA Heads, Factory CNC Ported heads or other heads with 1.750" intake port diameter.

F. SCREAMIN' EAGLE PRO HIGH-FLOW 62MM EFI THROTTLE BODY – CABLE OPERATED THROTTLE*

To provide the ultimate results, race engines need all the unrestricted air they can get. Designed to maximize the performance of your Race Xtreme component-equipped SE120R engine, this 62mm Throttle Body is ready to take on the track. The gigantic 62mm bore Throttle Body is extruded, precision machined to ensure a smooth air flow when combined with the Oval-Ported High-Flow Intake Manifold and port-matched Hurricane Cylinder Heads. Screamin' Eagle High-Flow Fuel Injectors P/N 27797-07 (sold separately) are recommended. All EFI models require ECM calibration (priced separately). **For race application only.**

27300019A Black finish.

Fits '06-later Dyna®, '06-'15 Softail® and '06-'07 Touring models equipped with Screamin' Eagle Pro Cylinder Heads and High-Flow Intake Manifold P/N 27082-10 or 27300054.

G. SCREAMIN' EAGLE PRO HIGH-FLOW INTAKE MANIFOLD – 62MM*

This cast intake manifold is machined to provide an exact fit and match to the CNC Ported Heads. Shaped to ensure a smooth transition and maximum air flow, this manifold is designed to accept the Screamin' Eagle Race Xtreme 62mm Throttle Body. Screamin' Eagle Pro High-Flow Injectors P/N 27797-07 (sold separately) are recommended. Kit includes mounting hardware. All EFI models require ECM calibration (priced separately). **For race application only.**

27082-10 Hurricane Heads.

Fits '06-later Dyna, '06-'15 Softail EFI models and '06-'07 Touring EFI models equipped with Screamin' Eagle Pro 62mm EFI Throttle Body P/N 27300019A and Hurricane CNC Oval Ported Cylinder Heads P/N 17799-10.

27300054 MVA Heads.

Fits '06-later Dyna, '06-'15 Softail EFI models and '06-'07 Touring EFI models equipped with Screamin' Eagle Pro 62mm EFI Throttle Body P/N 27300019A and Screamin' Eagle Pro MVA Heads, Factory CNC Ported heads or other heads with 1.750" intake port diameter.



E. SCREAMIN' EAGLE PRO HIGH-FLOW INTAKE MANIFOLD – 64MM



F. SCREAMIN' EAGLE PRO HIGH-FLOW 62MM EFI THROTTLE BODY – CABLE OPERATED THROTTLE



G. SCREAMIN' EAGLE PRO HIGH-FLOW INTAKE MANIFOLD – 62MM

44 INTAKE

EFI Throttle Bodies

A. SCREAMIN' EAGLE® PRO HIGH-FLOW 58MM EFI THROTTLE BODY – CABLE OPERATED THROTTLE*

This massive 58mm bore Throttle Body is extruded, precision machined and polished to provide all the air you'll need to dominate at the track. Designed for use with Screamin' Eagle® Pro cylinder heads, installation requires separate purchase of Screamin' Eagle Pro High-Flow Intake Manifold P/N 29667-07, and either the Screamin' Eagle Pro High-Flow Air Cleaner Kit P/N 29515-08 or the Heavy Breather Air Intake System 29253-08A, 29006-09A or 28716-10. Injectors mount to the Screamin' Eagle Manifold, stock injectors can be reused for engines making up to 100 rear wheel horsepower, Screamin' Eagle Pro High-Flow Injectors P/N 27797-07 are recommended for engines producing greater than 100 Rear Wheel Horsepower. All EFI-equipped models require ECM calibration (sold separately). **For race application only.**

27639-07B

Fits '06-later Dyna®, '06-'15 Softail® EFI models (except '11-later CVO™ Softail) and '06-'07 Touring EFI models. Not compatible with cruise control.

B. SCREAMIN' EAGLE PRO HIGH-FLOW INTAKE MANIFOLD – 58MM THROTTLE BODY*

This manifold is cast and precision machined to provide an exact fit with Screamin' Eagle Pro Accessory cylinder heads and the Screamin' Eagle Pro 58mm EFI Throttle Body P/N 27639-07B. This manifold has intake runners which are .100" larger in diameter than all stock Twin Cam heads and early Screamin' Eagle performance cylinder heads. The intake port diameter in the cylinder heads should be 1.750", if not, an experienced engine builder can open the cylinder head ports to this diameter to ensure a smooth transition and air-flow. Stock injectors can be reused for applications making up to 100 rear wheel horsepower, Screamin' Eagle Pro High-Flow Injectors P/N 27797-07 are recommended for engines producing greater than 100 rear wheel horsepower. All EFI-equipped models require ECM calibration (sold separately). **For race application only.**

29667-07

Fits '06-later Dyna, '06-'15 Softail EFI models (except '11-later CVO Softail) and '06-'07 Touring EFI models equipped with Screamin' Eagle Pro 58mm EFI Throttle Body P/N 27639-07B.

C. SCREAMIN' EAGLE HIGH-FLOW 58MM EFI THROTTLE BODY AND MANIFOLD – SPORTSTER® MODELS*

This massive 58mm bore Throttle Body is extruded, precision machined and anodized to provide all the air you'll need to dominate at the track. This kit includes a system-matched high-flow intake manifold. All EFI-equipped models require ECM calibration (sold separately).

27200026 Black Finish.

Fits '14-later XL1200 models. Requires separate purchase of 58mm Screamin' Eagle Air Cleaner Kit P/N 29400227 or 29400228.



Shown with MAP Sensor – Not Included



A. SCREAMIN' EAGLE PRO HIGH-FLOW 58MM EFI THROTTLE BODY – CABLE OPERATED THROTTLE

B. SCREAMIN' EAGLE PRO HIGH-FLOW INTAKE MANIFOLD – 58MM THROTTLE BODY



***NOTICE:** Installation of this kit requires jetting or recalibration for proper function. Failure to do so may cause a lean fuel condition which may result in engine damage.

C. SCREAMIN' EAGLE HIGH-FLOW 58MM EFI THROTTLE BODY AND MANIFOLD – SPORTSTER MODELS



D. SCREAMIN' EAGLE PRO HIGH-FLOW INJECTOR KIT (27797-07 SHOWN)



E. SCREAMIN' EAGLE PRO VRXSE DESTROYER PERFORMANCE INJECTOR KIT

D. SCREAMIN' EAGLE® PRO HIGH-FLOW INJECTOR KIT*

Injectors provide fuel delivery at the rate of 4.9 grams/second, 25% more than Original Equipment injectors. Recommended for use with engine configurations making more than 100 rear wheel horsepower. All EFI-equipped models require ECM calibration (sold separately). **For race application only.**

27797-07

Fits Twin Cam models equipped with Screamin' Eagle® 58mm EFI Throttle Body P/N 27639-07B or 62mm EFI Throttle Body P/N 27300019A. Also fits Sportster® models equipped with 58mm EFI Throttle Body P/N 27200026.

Also available:

SCREAMIN' EAGLE PRO HIGH-FLOW INJECTOR KIT*

Injectors provide fuel delivery at the rate of 5.3 grams/second, 23% more than Original Equipment injectors. Recommended for use with engine configurations making more than 100 rear wheel horsepower. All EFI-equipped models require ECM calibration (sold separately). **For race application only.**

27796-08

Fits '06-later Dyna® and Softail® EFI models (except '11-later CVO™ Softail), and '06-'07 Touring EFI models equipped with Screamin' Eagle 58mm Throttle Body P/N 27713-08 or '08-later Touring models equipped with Screamin' Eagle High Flow Oval Port Intake Manifold P/N 27300035.

SCREAMIN' EAGLE PRO HIGH-FLOW INJECTOR KIT*

Injectors provide fuel delivery at the rate of 6.2 grams/second, 59% more than the Original Equipment injectors. Recommended for use with engine configurations making more than 120 rear wheel horsepower. All EFI-equipped models require ECM calibration (sold separately). **For race application only.**

27400002

Fits Twin Cam models equipped with Screamin' Eagle Pro 62mm EFI Throttle Body P/N 27300019A with High Flow Oval Port Intake Manifold P/N 27082-10 or Screamin' Eagle Pro 58mm Throttle Body P/N 27639-07B with High Flow Intake Manifold P/N 29667-07. Also fits Sportster models equipped with 58mm EFI Throttle Body P/N 27200026.

SCREAMIN' EAGLE PRO HIGH-FLOW INJECTOR KIT*

Injectors provide fuel delivery at the rate of 6.7 grams/second, 56% more than the Original Equipment injectors. Recommended for use with engine configurations making more than 120 rear wheel horsepower. All EFI-equipped models require ECM calibration (sold separately). **For race application only.**

27400001

Fits '08-later Touring models equipped with Screamin' Eagle Pro 64mm Throttle Body P/N 27300033 with High Flow Oval Port Intake Manifold P/N 27300035 or Screamin' Eagle Pro 58mm Throttle Body P/N 27713-08.

E. SCREAMIN' EAGLE PRO VRXSE DESTROYER® PERFORMANCE INJECTOR KIT*

This performance injector kit features 6-hole, twin jet injectors that flow 30% more fuel, compared to stock injectors. Recalibration required through EFI Race Tuner only. **For race application only.**

27791-05

Fits '02-later VRSC™ models equipped with P/N 27670-05 Destroyer® Big Bore Throttle Body Kit.

SCREAMIN' EAGLE (SE) & ORIGINAL EQUIPMENT (OE) FUEL INJECTOR IDENTIFICATION

Kit P/N	Flow Rate (Static) @ 400kPa	Application	Identification
27400001	6.7 g/s	SE 64mm ETC* SE 58mm ETC*	IWP189 printed on injector electrical connector heather violet band/ black connector
27400002	6.2 g/s	SE 62mm Cable Drive SE 58mm Cable Drive	GM 12613412 printed on body of injector (opposite side of connector)
27796-08	5.3 g/s	SE 58mm w/Electronic Throttle Control (ETC*)	IWP029B printed on injector electrical connector, red band/gray connector
27797-07	4.9 g/s	SE 50mm Cable Drive (1P), SE 58mm Cable Drive (2P), '06-later Twin Cam (except ETC* models)	27654-06 printed on body of injector (opposite side of connector)
27791-05	6.37 g/s	Destroyer VRSCX	IWP190 printed on injector electrical connector, blue band/black connector
27609-01B	4.3 g/s	SE 43mm Cable Drive, OE 46mm Cable Drive (2P), OE 50mm ETC*	IWP162 printed on injector electrical connector, white band/ gray connector
27706-07A	3.8 g/s	OE '07-later XL	IWP181/B printed on injector electrical connector, sky blue band/gray connector
27625-06	3.91 g/s	OE 46mm Cable Drive (2P), '06 Twin Cam	27625-06 printed on body of injector (opposite side of connector)
27709-06A	3.91 g/s	OE 46mm Cable Drive (2P), Late '06-later Twin Cam (except ETC* models)	27709-06/A printed on body of injector (opposite side of connector)
27665-01A	4.81 g/s 5.08 g/s	OE VRSC	IWP063/B printed on injector electrical connector, grey band/black connector/ turquoise blue band/black connector

*ETC-equipped models: '16-later Softail, '14-'15 FLSTNSE, '11-'12 FLSTSE, '13-'14 FXSBSE and '08-later Touring and Trike models.

***NOTICE:** Installation of this kit requires jetting or recalibration for proper function. Failure to do so may cause a lean fuel condition which may result in engine damage.

46 INTAKE

EFI Throttle Bodies/Carburetors

A. SCREAMIN' EAGLE® PRO STAGE II KIT – VRSC™ MODELS

Increase your VRSC™ model's top-end horsepower and race track performance. When paired with your choice of race-use exhaust system, the Screamin' Eagle® Pro intake and exhaust cams, tuned-length short velocity stacks and a high-flow air cleaner combine to produce a solid 20-horsepower boost at the rear wheel. Kit includes cam gaskets that permit this Stage Kit to be installed without removing the engine from the frame. The lower air cleaner box can be modified to improve the air flow (template included). All models require ECM calibration (priced separately) with available Super Tuner configuration. **For race application only.**

30076-09

Fits '08-later VRSC and '07 VRSCX models. Installation requires modification of the lower air cleaner box for relocation of the temperature sensor. Installation requires separate purchase of Valve Shims.

Lift @ Valve –

Intake/Exhaust: .490" / .464"

Duration @ .053 –

Intake/Exhaust: 256° / 258°

Timing @ .053 Lift –

Open/Close Intake: 20° BTDC/56° ABDC

Timing @ .053 Lift –

Open/Close Exhaust: 57° BBDC/21° ATDC

TDC Lift @ Valve –

Intake/Exhaust: .143" / .142"



A. SCREAMIN' EAGLE PRO STAGE II KIT – VRSC MODELS

B. SCREAMIN' EAGLE PRO VRXSE DESTROYER™ BIG BORE THROTTLE BODY KIT

This bolt-on kit boasts a 58mm throttle body, compared to 53mm stock throttle body. Can be used with stock injectors or with VRXSE Performance Injector Kit P/N 27791-05. Recalibration required through Pro Super Tuner only. **For race application only.**

27670-05 Fits '02-later VRSC models.



B. SCREAMIN' EAGLE PRO VRXSE DESTROYER BIG BORE THROTTLE BODY KIT

C. SCREAMIN' EAGLE PRO BIG BORE 44MM CV CARBURETOR KIT

This carb kit is exclusive to Screamin' Eagle parts. The CV (constant velocity) design creates smooth air/fuel delivery for exceptional low- and mid-range power. The big 44mm bore allows this carb to feed even the most air hungry engine at high RPM. Easy to install with stock cables. Screamin' Eagle Intake Manifold required for proper fitment. Separate purchase of Screamin' Eagle High-Flow Air Cleaner Kit is recommended for optimal performance. This 44mm CV carburetor is not cruise-control compatible. **For race application only.**

27934-99

Fits '90-'99 carbureted Evolution® 1340-equipped models, '99-'06 carbureted Twin Cam-equipped models and '88-'06 XL models.



D. SCREAMIN' EAGLE PRO BIG BORE INTAKE MANIFOLD

This intake manifold is required for use with the Screamin' Eagle 44mm CV and 45mm Flatslide Carburetors. Can also be used with 42mm Flatslide or your stock CV carburetor. **For race application only.**

29635-99

Fits '99-'06 Twin Cam-equipped models. (shown)

29636-99

Fits '90-'99 Evolution 1340-equipped models. (not shown)



C. SCREAMIN' EAGLE PRO BIG BORE 44MM CV CARBURETOR KIT



D. SCREAMIN' EAGLE PRO BIG BORE INTAKE MANIFOLD



E. SCREAMIN' EAGLE PRO SUPER BORE 51MM CV CARBURETOR KIT

E. SCREAMIN' EAGLE® PRO SUPER BORE 51MM CV CARBURETOR KIT

This is the highest-flowing carburetor Screamin' Eagle® has ever tested. It will satisfy the flow need of the largest V-Twins. This Harley-Davidson® exclusive kit is complete with carb, higher-flow air cleaner and mounting hardware. This is the largest CV-style carb available and has easy access to main and pilot jets without removing the bowl. Recommended for engines 95 cubic inch and larger. Uses stock throttle cables. The 51mm CV Carburetor is not cruise control compatible. **For race application only.**

27928-07A

Fits '99-'06 carbureted Twin Cam models. Requires separate purchase of Intake Manifold P/N 27927-07. (Not compatible with standard HTCC Heads, Harley-Davidson Air Cleaner Cover P/N 29754-01, 29598-00, 29599-00 or Screamin' Eagle Teardrop Air Cleaner P/N 29409-02.)

F. SCREAMIN' EAGLE PRO HIGH-FLOW INTAKE MANIFOLD – 51MM SUPER BORE CARBURETOR

This manifold is designed for use with Screamin' Eagle Pro Super Bore 51mm CV Carburetor P/N 27926-02A (sold separately). Large manifold eliminates restrictions and is machined for precision alignment to Screamin' Eagle accessory cylinder head intake flange dimensions. **For race application only.**

29414-07

Fits '99-'06 carbureted Twin Cam models. This manifold has intake runners which are .100" larger in diameter than all stock Twin Cam heads and early Screamin' Eagle performance cylinder heads. The intake port diameter in the cylinder heads should be 1.750", if not; an experienced engine builder can open the cylinder head ports to this diameter to ensure a smooth transition and air-flow. The intake flanges supplied in this kit will only fit cylinder heads machined for use with the stock symmetrical intake flanges (Original Equipment since MY06). All Screamin' Eagle performance cylinder heads (except Kompressor) with kit P/N extension of -06 or later have a intake port diameter of 1.750" and are machined for use with symmetrical intake flanges.

27927-07

Fits '99-'06 carbureted Twin Cam models. This manifold has intake runners which are the same diameter as all stock Twin Cam heads and early Twin Cam performance heads. Install using stock intake flanges.

G. DYNOJET® KIT

A premium performance modification kit for models with Original Equipment CV carburetors. Works well with free-breathing intake and exhaust. **For race application only.**

29604-00A

Fits '00-'06 carbureted Twin Cam-equipped models.

29045-97B

Fits '96-'06 Evolution®-equipped XL883 and XL1200 models (except 1200S) and 1340-equipped models with Original Equipment CV carburetors.



F. SCREAMIN' EAGLE PRO HIGH-FLOW INTAKE MANIFOLD – 51MM SUPER BORE CARBURETOR



G. DYNOJET KIT

COMPLIANT STAGE KITS

POWER YOU CAN FEEL

Developed specifically to deliver reliable performance you can use every day, Screamin' Eagle® Street compliant Stage Kits eliminate the guesswork and the need for trial-and-error testing normally associated with engine modifications. Just define your performance goals and choose the Stage Kit that gets you there.





SCREAMIN' EAGLE® BOLT-ON 110CI STAGE V TIRE SHREDDER KIT

This comprehensive kit provides a complete package of matched components that allow you to build a high performance 110CI Twin Cam without voiding the factory warranty. The unique Screamin' Eagle® 4.0" big bore cylinders are engineered to slip into the engine cases without case machining or modification, so the engine stays in the chassis during the build.

Kit includes the following Screamin' Eagle components:

- Screamin' Eagle 4.0" Bolt-On Cylinders
- Forged 10.2:1 High Compression Pistons and Rings
- Screamin' Eagle 58mm Throttle Body
- High Flow Fuel Injectors
- Screamin' Eagle CNC-Ported Cylinder Heads
- SE-259 Cams
- Perfect-Fit Pushrods
- Screamin' Eagle High-Capacity Roller Tappets
- Top End and Cam Cover Gaskets
- Heavy Duty Clutch Spring

All EFI-equipped models require dealer-installed ECM calibration download or use of the tunable Screamin' Eagle Street Tuner Kit (priced separately)*.

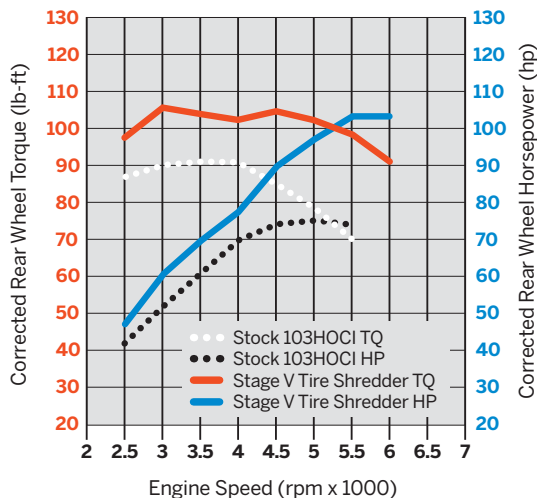
92500038

Fits 50-state '14-later Touring models, Does not fit Twin-Cooled™ models. Does not fit Trike models, CVO™ 110 models or models with engine cases that have been machined to accept large-bore cylinders. Requires separate purchase of accessory 58mm air cleaner and Cam Drive Retention Kit P/N 25566-06. Cam Spacer Kit P/N 25928-06 is recommended.

*Recalibration is required for proper installation, See Dealer for details. Labor cost not included.

When installed by an authorized Harley-Davidson® Dealer at the time of vehicle delivery, these kits do not impact the vehicle's limited warranty.

Twin Cam 103HO Stock vs. 110CI Stage V Kit
with SE Exhaust



SCREAMIN' EAGLE BOLT-ON 110CI STAGE V TIRE SHREDDER KIT

50 STAGE KITS – COMPLIANT

Twin Cam Models

NEW

SCREAMIN' EAGLE® BOLT-ON 110 STAGE III STREET PERFORMANCE KIT

Build a fast, reliable 110 cubic inch Twin Cam hauler without having to remove the motor from the chassis. This Stage III Street Performance Kit combines system-matched Screamin' Eagle® big bore cylinders, high compression pistons and performance cams and valve train components with the Original Equipment cylinder heads for a cost-effective boost in torque and performance. The exclusive bolt-on 4.0" cylinders are engineered with high strength slim-wall spigots that slip into the factory crank case without any additional machining. The 4" flat top pistons team with the stock cylinder heads to produce a performance-enhancing 10.2:1 compression ratio (10.4:1 on Twin-Cooled™ models), and the high-lift SE-585 cam produces a boost in torque throughout the RPM range.

Kit includes the following Screamin' Eagle components:

- Screamin' Eagle 4.0" Bolt-On Cylinders
- Forged 10.2:1 Compression Pistons and Rings
- SE-585 Cams
- High Performance Valve Springs
- Perfect-Fit Pushrods
- Screamin' Eagle High-Capacity Roller Tappets
- Top End and Cam Cover Gaskets
- Heavy Duty Clutch Spring

All EFI-equipped models require dealer-installed ECM calibration download or use of the tunable Screamin' Eagle Street Tuner Kit* (priced separately).

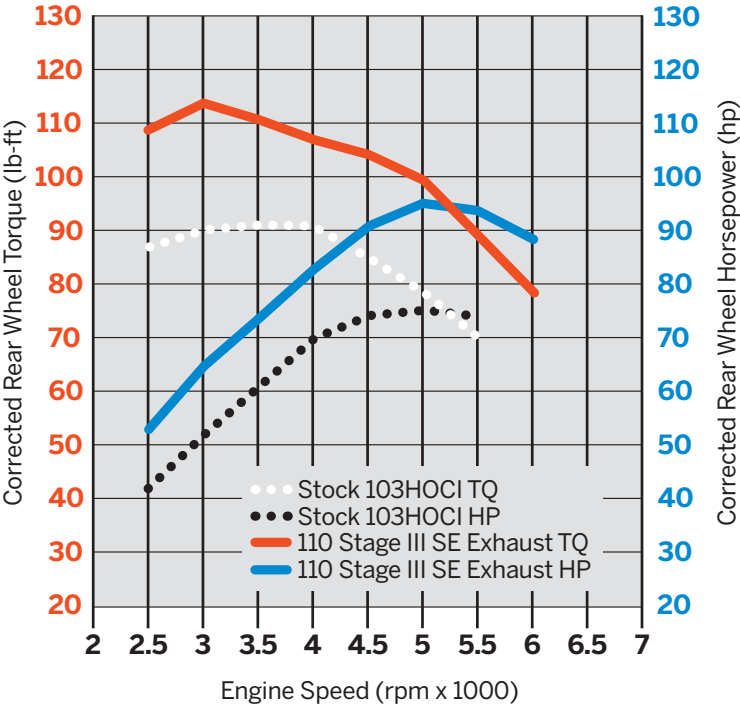
92500035 Black Highlighted.
Fits 50-state '16-later Softail® and '14-later Touring models. Does not fit Trike models, FLSS, FLSTFBS, CVO™ 110 models or models with engine cases that have been machined to accept large-bore cylinders. Requires separate purchase of Cam Drive Retention Kit P/N 25566-06. Cam Spacer Kit P/N 25928-06 is recommended. Twin-Cooled models require separate purchase of model-specific head gaskets.

*Recalibration is required for proper installation, See Dealer for details. Labor cost not included.

When installed by an authorized Harley-Davidson® Dealer at the time of vehicle delivery, these kits do not impact the vehicle's limited warranty.



Twin Cam 103HO Stock vs. 110CI Stage III Kit



SCREAMIN' EAGLE BOLT-ON 110 STAGE III STREET PERFORMANCE KIT



SCREAMIN' EAGLE® BOLT-ON 110 CUBIC INCH STREET PERFORMANCE KIT

Bring your Twin Cam motorcycle up to the same 110 cubic inch displacement and power output as the CVO™ Screamin' Eagle® models without extensive machining or removing the engine from the chassis. This street compliant kit combines the proven SE-255 cams and cylinder heads of the CVO model with exclusive Screamin' Eagle bolt-on 4.0" cylinders and system-matched pistons to deliver high torque and reliable everyday performance. The automatic compression release-equipped cylinder heads and the flat top forged pistons combine to develop a 9.3:1 compression ratio for easy starting, and the Screamin' Eagle lifters ensure quiet reliable valve train operation.

Kit includes the following Screamin' Eagle components:

- Screamin' Eagle 4.0" Bolt-On Cylinders
- Forged 9.3:1 Compression Pistons and Rings
- CVO 110 Cylinder Heads
- SE-255 Cams
- High-Capacity Roller Tappets
- Top End and Cam Cover Gaskets
- Heavy Duty Clutch Spring
- Cam Spacer Kit P/N 25928-06 is recommended

Requires separate purchase of appropriate Automatic Compression Release Wiring Harness. All EFI-equipped models require dealer-installed ECM calibration download or use of the tunable Screamin' Eagle Street Tuner Kit* (priced separately).

92500031 Black Highlighted.

Fits 50-state '10-later Touring models (except '14-later models with Twin-Cooled™ engines). Does not fit Trike models, CVO™ 110 models, or models with engine cases that have been machined to accept large bore cylinders. Requires separate purchase of Screamin' Eagle high-flow air cleaner. '10 FLHX and FLTRX models require separate purchase of 2-into-2 Head Pipe Kit and Mufflers. '11-later Touring models require installation of CVO Mufflers P/N 64768-09A and 64769-09A or FatShotz Muffler Kit P/N 80847-10 (sold separately). '10-'11 Touring models require ACR Harness P/N 70623-08.

92500032 Black Highlighted.

Fits 50-state '14-later FLHTCU, FLHTCUL, FLHTK, FLHTKL and FLTRU models with Twin-Cooled engines. Does not fit Trike models, CVO 110 models, or models with engine cases that have been machined to accept large bore cylinders. Requires separate purchase of Screamin' Eagle high-flow air cleaner.

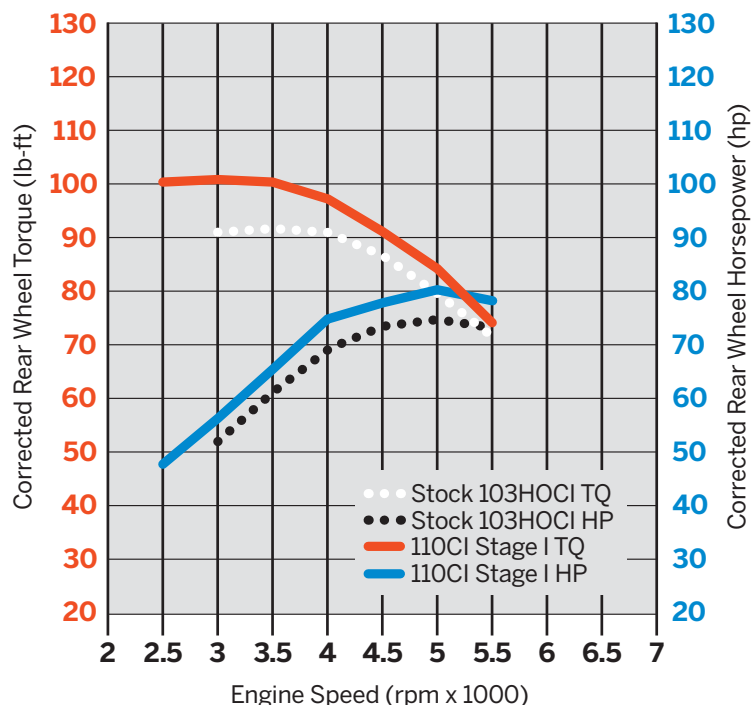
92500033 Black Highlighted.

Fits 50-state '11-later Dyna® FXD, FXDB and FXDC models equipped with Shorty Dual Exhaust. Installation requires separate purchase of Muffler P/N 64895-09 (Qty 2). Also fits 50-state '10-later FXDF and FXDWG models. FXDF and FXDWG models requires separate purchase of Mufflers P/N 65884-09 and 65886-09. All Dyna models require separate purchase of Screamin' Eagle high flow cleaner. '10-'11 Dyna models require ACR Harness P/N 70623-06. Does not fit models with engine cases that have been machined to accept large-bore cylinders. Also fits 50-state '11-later Softail® models (except FLS, FLSS, FLSTFBS, FLSTN, FLSTSB, CVO 110 models or models with engine cases that have been machined to accept large-bore cylinders.). Requires separate purchase of Screamin' Eagle high flow air cleaner. '11 Softail models require ACR Harness P/N 70623-11.

*Recalibration is required for proper installation, See Dealer for details. Labor cost not included.

When installed by an authorized Harley-Davidson® Dealer at the time of vehicle delivery, these kits do not impact the vehicle's limited warranty.

Twin Cam 103HO Stock vs. 110CI Stage I Kit



52 STAGE KITS – COMPLIANT

Twin Cam Models

SCREAMIN' EAGLE® STREET PERFORMANCE BIG BORE STAGE IV KIT – 103 CUBIC INCHES

This Street Performance kit provides the maximum horsepower output for compliant 103 Kit that will maintain the factory warranty.

Kit includes the following Screamin' Eagle components:

- Forged 10.5:1 High Compression Pistons and Rings
- Screamin' Eagle® 58mm Throttle Body
- Screamin' Eagle CNC Ported Cylinder Heads
- SE-259 Cams
- Perfect-Fit Pushrods
- Top End Gasket Kit
- Heavy Duty Clutch Spring

This Street Performance Kit produces 103 hp and 110 lbs-ft of torque. All EFI-equipped models require dealer-installed ECM calibration download or use of the tunable Screamin' Eagle Street Tuner Kit* (priced separately).

92500011 Black Highlighted.
Fits 50-state '16-later Softail® (except FLSS and FLSTFBS) and '10-later Touring models (except '14-later models with Twin-Cooled™ engines) equipped with a Twin Cam 103™ engine. Fits 49-state '10-'11 Touring models equipped with a Twin Cam 96™ engine with separate purchase of Screamin' Eagle 3-7/8" Big Bore Cylinder Kit. '10 FLHX and FLTRX requires dual exhaust. Does not fit Trike models.

92500019 Black Highlighted.
Fits 50-state '14-later FLHTCU, FLHTCUL, FLHTK and FLHTKL models with Twin-Cooled engines. Does not fit Trike models.

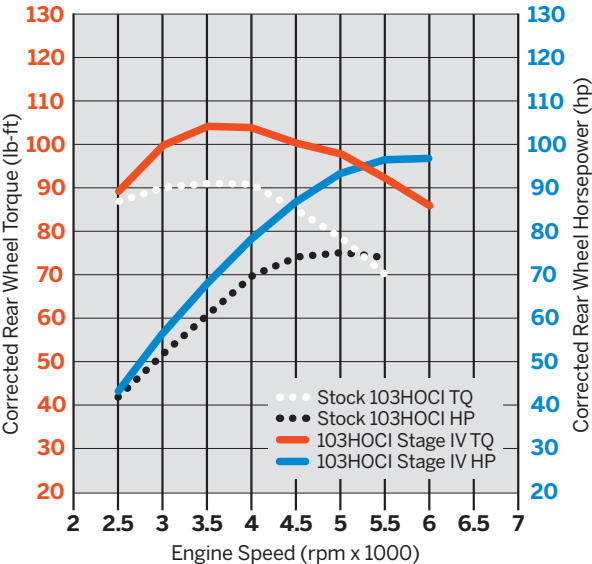
*Recalibration is required for proper installation. See Dealer for details. Labor cost is not included.

NOTICE: Installation of automatic or manual compression releases on large displacement engines is highly recommended.

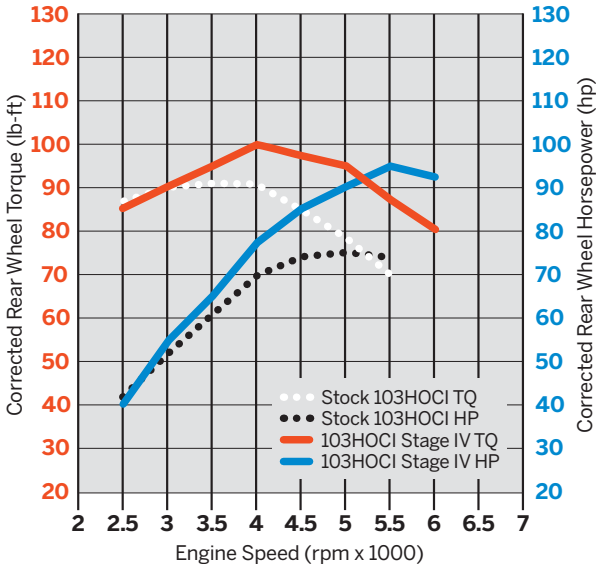
When installed by an authorized Harley-Davidson® Dealer at the time of vehicle delivery, these kits do not impact the vehicle's limited warranty.



Air Cooled
Twin Cam 103HO Stock vs. 103CI Stage IV Kit



Twin-Cooled™
Twin Cam 103HO Stock vs. 103CI Stage IV Kit



SCREAMIN' EAGLE® STAGE III KIT – 103 PERFORMANCE UPGRADE

Give your Touring bike the kick it needs to pass a road hogging RV on a long uphill climb. This street compliant Stage III "in-a-box" kit includes the system-matched components you need to build a performance Twin Cam engine with torque and horsepower characteristics you can use – every day. Designed for use with stock cylinder heads, this kit produces big torque gains at lower RPM while maintaining your factory warranty.

Kit includes the following Screamin' Eagle components:

- Forged 10.5:1 High Compression Pistons and Rings
- SE-585 Cams
- High Performance Valve Springs
- Perfect-Fit Pushrods
- Top End Gasket Kit
- Heavy Duty Clutch Spring

This street-performance engine has the potential to produce 88 HP and 100 lb-ft of torque with the stock cylinder heads. All EFI-equipped models require dealer-installed ECM calibration download or use of the tunable Screamin' Eagle® Street Tuner Kit* (priced separately).

92500028

Fits 50-state '14-later Touring models. Does not fit Trike or models with Twin-Cooled™ engines. Requires separate purchase of outer primary cover gasket.

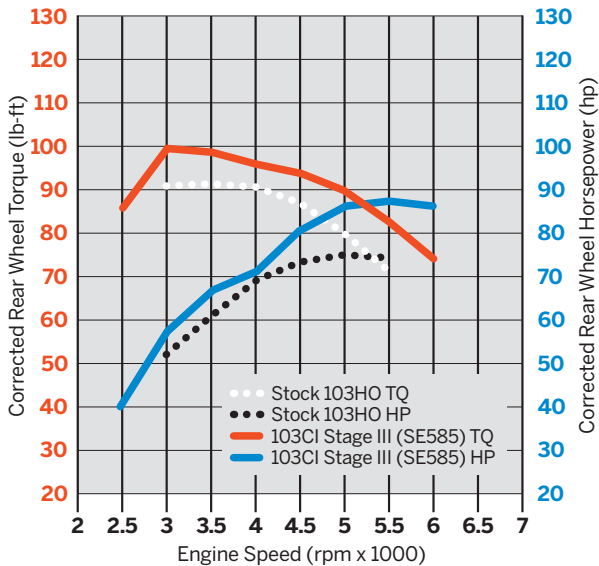
*Recalibration is required for proper installation. See Dealer for details. Labor cost not included.

NOTICE: Installation of automatic or manual compression releases on large displacement engines is highly recommended.

When installed by an authorized Harley-Davidson® Dealer at the time of vehicle delivery, these kits do not impact the vehicle's limited warranty.



Twin Cam 103HO Stock vs. Twin Cam 103CI Stage III Kit



54 STAGE KITS – COMPLIANT

Twin Cam Models

SCREAMIN' EAGLE® BIG BORE STAGE II KIT FOR EFI MODELS – 103 CUBIC INCHES*

The Stage II Big Bore Kit provides the parts you need to increase the horsepower of your EFI-equipped model. The kit increases the displacement of your Twin Cam-equipped model from 96 cubic inches (1584cc) to 103 cubic inches (1690cc).

Kit includes the following Screamin' Eagle components:

- Big Bore Cylinders
- Big Bore Flat Top Pistons and Rings
- SE-255 Cams
- Stage I Air Cleaner Kit with One-Piece Back Plate
- Top End Gasket Kit
- Heavy Duty Clutch Spring

Also includes a high performance clutch spring. Separate purchase of cam spacers is recommended. Requires separate purchase of primary cover gasket. Not all components shown. California kits are street compliant on California pollution controlled vehicles when used with Original Equipment mufflers. All EFI-equipped models require dealer-installed ECM calibration download or use of the tunable Screamin' Eagle® Street Tuner Kit* (priced separately).

27543-08 Black Highlighted.
Fits 50-state '10-later Softail® models equipped with a Twin Cam 96™ engine. Also fits '08-'09 California Softail models.

27557-08 Black Highlighted.
Fits 50-state '10-'11 Touring models equipped with Twin Cam 96 engine. Also fits '08-'09 California Touring models. '10 FLHX and FLTRX models require separate purchase of 2-into-2 Head Pipe and mufflers.

27545-08 Black Highlighted.
Fits 50-state '10-later Dyna® models equipped with a Twin Cam 96 engine. Also fits '08-'09 California Dyna models (except FXDF and FXDWG).

27564-09A Black Highlighted.
Fits 49-state '09 Touring models. Kit includes catalyst head pipe. Does not fit Trike models. Not street compliant in California.

*Recalibration is required for proper installation. See Dealer for details. Labor cost not included.

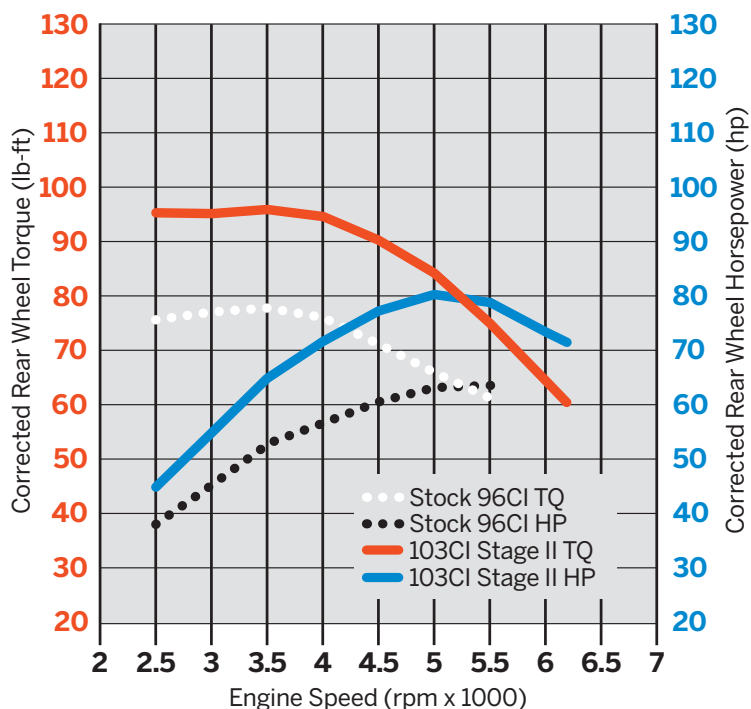
NOTICE: Installation of automatic or manual compression releases on large displacement engines is highly recommended.

NOTICE: Installation of a California performance kit onto a 49-state model motorcycle or a 49-state performance kit onto a California model motorcycle will void manufacturers warranty, as it will not result in a street compliant configuration.

When installed by an authorized Harley-Davidson® Dealer at the time of vehicle delivery, these kits do not impact the vehicle's limited warranty.



Twin Cam 96 Stock vs. 103CI Stage II Kit





SCREAMIN' EAGLE® BIG BORE STAGE I KIT FOR EFI MODELS – 103 CUBIC INCHES*

This Big Bore Kit lets you increase the displacement of your Twin Cam 96™ engine-equipped model from 96 cubic inches (1584cc) to 103 cubic inches (1690cc).

Kit includes the following Screamin' Eagle components:

- Big Bore Cylinders
- Big Bore Flat Top Pistons and Rings
- Stage I Air Cleaner with One-Piece Back Plate
- Top End Gasket Kit
- Heavy Duty Clutch Spring

A high-performance clutch spring is included to provide the additional clutch capacity required by the extra torque. Requires separate purchase of primary cover gasket. This kit is street compliant when used with stock mufflers. (Not all components shown.) All EFI-equipped models require dealer-installed ECM calibration download or use of the tunable Screamin' Eagle® Street Tuner Kit* (priced separately).

29903-07A Black Highlighted.
Fits all 50-state '07 Twin Cam and '08-later Softail® models equipped with a Twin Cam 96 engine.

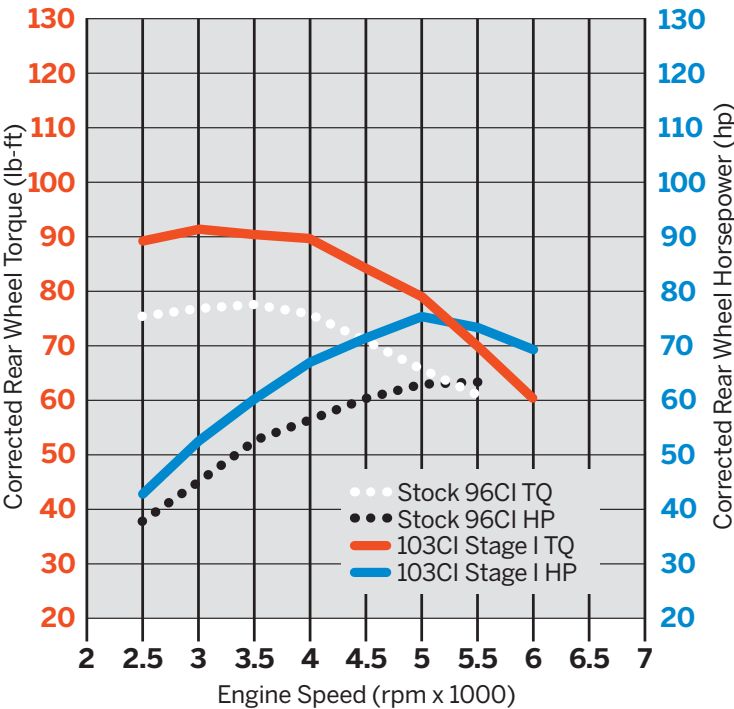
27539-08A Black Highlighted.
Fits 50-state '08-'11 Touring models equipped with a Twin Cam 96 engine.

*Recalibration is required for proper installation. See Dealer for details. Labor cost not included.

NOTICE: Installation of automatic or manual compression releases on large displacement engines is highly recommended.

When installed by an authorized Harley-Davidson® Dealer at the time of vehicle delivery, these kits do not impact the vehicle's limited warranty.

Twin Cam 96 Stock vs. 103CI Stage I Kit



56 STAGE KITS – COMPLIANT
Sportster® Models

NEW

SCREAMIN' EAGLE® STAGE IV STREET PERFORMANCE KIT – SPORTSTER® MODELS

Maximize the horsepower and torque available for your street compliant Sportster® model. This complete engine package includes all the components you need to build a high-performance ride while still retaining the original factory warranty. Installation does not require removal of the powertrain from the chassis.

Kit includes the following Screamin' Eagle components:

- CNC-Ported Cylinder Heads with Performance Valve Springs
- Screamin' Eagle® XL SE-585 Cams
- Forged Hi-Compression 10.5:1 Pistons and Rings
- 58mm Throttle Body and Intake Manifold
- Top End Gasket Kit

All EFI-equipped models require dealer-installed ECM calibration download or use of the tunable Screamin' Eagle Street Tuner Kit* (priced separately).

Fits 50-state '14-later XL1200 models. Requires separate purchase of accessory 58mm air cleaner.

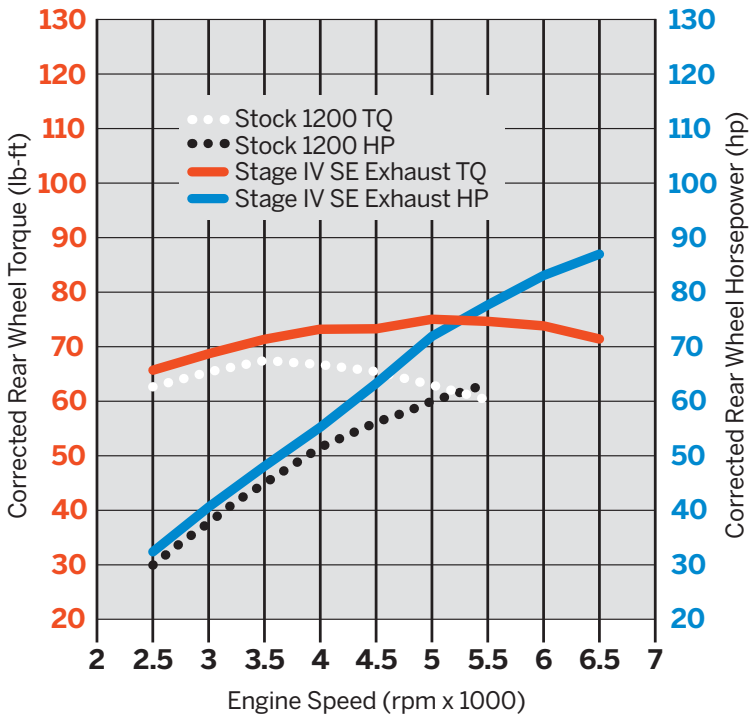
- | | |
|----------|------------------------------|
| 92500041 | Black Highlighted Heads. |
| 92500042 | Black Non-Highlighted Heads. |

*Recalibration is required for proper installation, See Dealer for details. Labor cost not included.

When installed by an authorized Harley-Davidson® Dealer at the time of vehicle delivery, these kits do not impact the vehicle's limited warranty.



Sportster 1200 Stock vs. 1200cc Stage IV Kit
(Shown with SE Performance Mufflers)





SCREAMIN' EAGLE® SPORTSTER® 883CC TO 1200CC STAGE I CONVERSION KIT*
Make your Iron 883™ roar. This complete conversion kit will alter the personality of your 883-equipped Sportster® model. Designed to bring your XL883 model up to XL1200 specifications.

- Kit includes the following Screamin' Eagle components:**
- Sportster Stage I Air Cleaner Kit
 - XL1200 Cylinder Heads
 - XL1200 Cylinders
 - XL1200 Pistons and Rings
 - Heavy Duty Clutch Spring

No case machining is required for installation. Street compliant when used with stock mufflers. All models require dealer-installed ECM calibration* (priced separately).

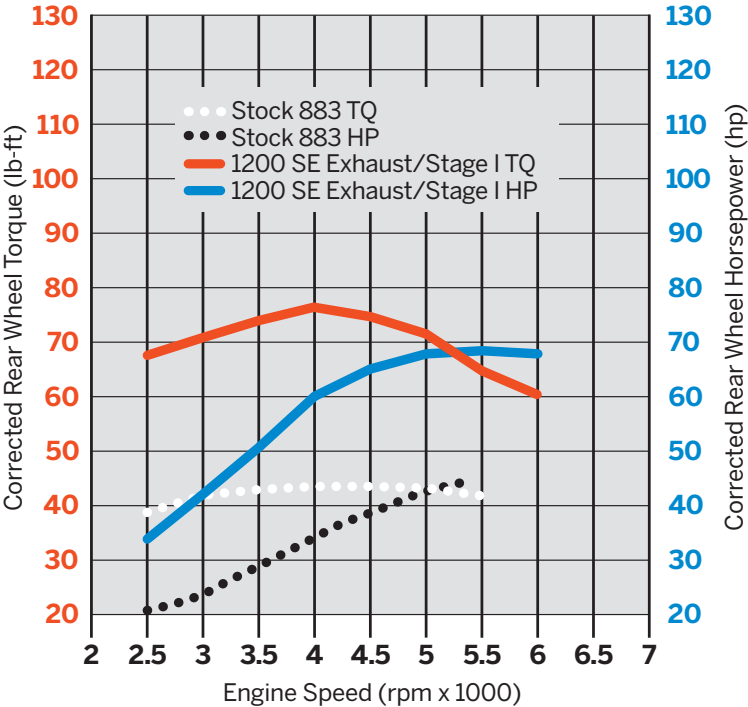
29784-07 Black Highlighted.
Fits 50-state '07-later XL883 models.

30003-10 Black Non-Highlighted.
Fits 50-state '08-later XL883 models.

*Recalibration is required for proper installation. See Dealer for details. Labor cost not included.

When installed by an authorized Harley-Davidson® Dealer at the time of vehicle delivery, these kits do not impact the vehicle's limited warranty.

Sportster 883cc Stock vs. 1200cc Stage I Kit
(Shown with SE Performance Mufflers)



SCREAMIN' EAGLE SPORTSTER 883CC TO 1200CC STAGE I
STREET COMPLIANT CONVERSION KIT

RACE STAGE KITS

PUT IT ALL TOGETHER

Screamin' Eagle® Race-Use Stage Kits are engineered to eliminate the guesswork and trial-and-error challenges involved in building a reliable, track-ready performance engine. We've already done hundreds of hours of dyno testing and fuel-injection calibration so you don't have to. System-matched throttle bodies, heads and pistons are combined with heavy-duty internal components to maximize the engine's potential and ensure its long-term reliability.



SCREAMIN' EAGLE® PRO 120RX RACE KIT – 120 CUBIC INCHES

Engineered to maximize the track performance of the Screamin' Eagle® SE120R race engine, this system-matched pairing of Race Xtreme components is sure to put you in the winners circle. When combined with a race-use stepped header system, this combination can produce over 145 rear-wheel horsepower. **For race application only.**

Kit includes the following Screamin' Eagle components:

- Hurricane CNC Oval Ported Cylinder Heads
- Forged 12:1 Compression Piston Kit
- RX-267 Performance Cam Kit
- Tapered Quick-Install Adjustable Pushrods
- 62mm or 64mm Throttle Body
- High-Flow Oval Port Intake Manifold
- High-Flow Injector Kit
- Heavy Breather Air Cleaner
- Super Tuner EFI Tuner
- All necessary gaskets

92500002B Cable Throttle – 62mm.

Fits '06-later Dyna® and '06-'15 Softail® EFI models (except '11-later CVO™ Softail) and '06-'07 Touring EFI models equipped with 120CI Twin Cam engine. Not compatible with cruise control.

92500004A Electronic Throttle – 64mm.

Fits '16-later Softail, '11-later CVO Softail and '08-later Touring models equipped with 120CI Twin Cam engine. Does not fit Twin-Cooled™ models.

**SCREAMIN' EAGLE PRO 120RX RACE KIT – CABLE THROTTLE****SCREAMIN' EAGLE PRO 120RX RACE KIT – ELECTRONIC THROTTLE**

60 STAGE KITS – RACE

Twin Cam Models

SCREAMIN' EAGLE® PRO STAGE IV RACE KIT – 113 CUBIC INCHES

A complete kit for the racing performance enthusiast. This kit has it all to get your motor to perform competitively at the track.

Kit includes the following Screamin' Eagle components:

- Big Bore 4.060" Precision Honed Cylinders
- CNC Ported MVA Cylinder Heads with 2.120" Intake Valves & Performance Valve Springs
- Forged 10.5:1 Compression Piston Kit
- SE-266E Performance Cam Kit
- Perfect Fit (+.060) Pushrods
- 58mm Throttle Body
- High-Flow Injector Kit
- Lefty Crankcase Bearing
- Heavy Duty Clutch Spring
- Gasket Kit
- Super Tuner EFI Tuner

Heads are machined to accept automatic compression releases (sold separately). Requires separate purchase of Air Cleaner Kit, Cam Drive Retention Kit P/N 25566-06, Cam Spacer Kit P/N 25928-06. Installation requires crankcase machining with Crankcase Boring Tool P/N 94416-06 or separate purchase of Screamin' Eagle® Crankcase Set P/N 24601-10A or 244000001. **For race application only.**

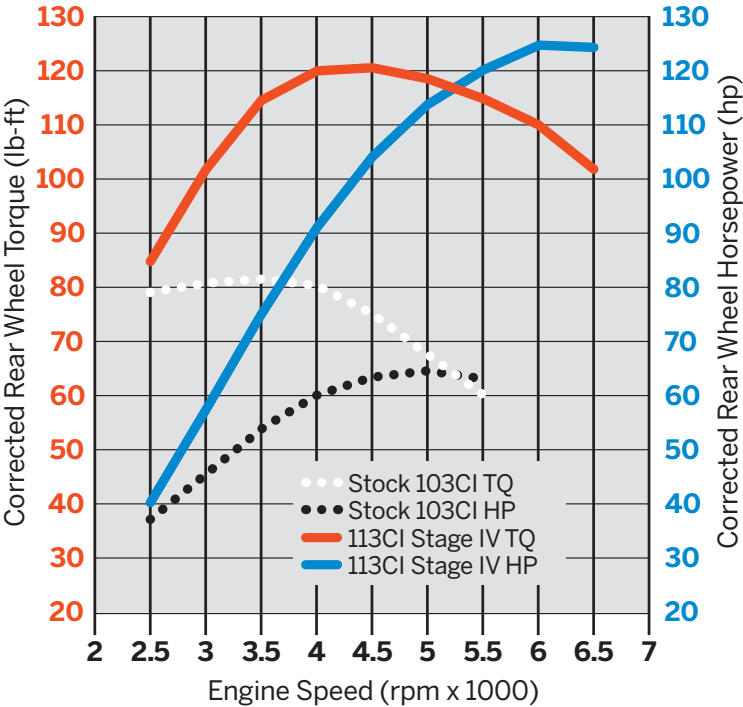
27559-08E Black Highlighted.
Fits '07-later Dyna®, '07-'15 Softail® and '07 Touring models. Also fits '06 Dyna models when upgraded to 4.375" Stroker Flywheel P/N 23729-07. Cannot be installed on 110CI CVO™ models or models with engine cases that have been machined to accept large-bore cylinders. Requires separate purchase of model-specific Automatic Compression Release Wiring Harness Kit. Not compatible with cruise control.

27525-08D Black Highlighted.
Fits '16-later Softail and '08-later Touring and Trike models (except Twin-Cooled™ models). Cannot be installed on 110CI CVO models, FLSS or FLSTFBS 110 models, or models with engine cases that have been machined to accept large-bore cylinders. Requires separate purchase of model-specific Automatic Compression Release Wiring Harness Kit.

NOTE: Installation of automatic or manual compression releases on large displacement engines is highly recommended.



Twin Cam 103 Stock vs.
113CI Stage IV Race Kit with SE Exhaust



SCREAMIN' EAGLE PRO STAGE IV RACE KIT – 113 CUBIC INCHES
(‘08-LATER TOURING SHOWN)



SCREAMIN' EAGLE® PRO 110CI STAGE V TIRE SHREDDER KIT



Heat the rear tire for a perfect green light launch. Now you can build a track-ready 110 cubic inch big bore monster without removing the engine from the chassis. This kit features exclusive bolt-on 4.0" bore cylinders that are engineered with high strength steel liners that slip into the existing Twin Cam crank-case openings. Installation does not require case machining or modification.

Kit includes the following Screamin' Eagle components:

- Big Bore 4.0" Bolt-On Cylinders
- CNC-Ported Factory Cylinder Heads
- Forged 10.5:1 Compression Pistons
- SST Piston Rings
- SE-259 cams
- Perfect-Fit Pushrods
- High-Capacity Roller Tappets
- 58mm Throttle Body
- High Flow Fuel Injectors
- Heavy Duty Clutch Spring
- Top End Gasket Kit
- Cam Cover Gasket
- Super Tuner EFI Tuner

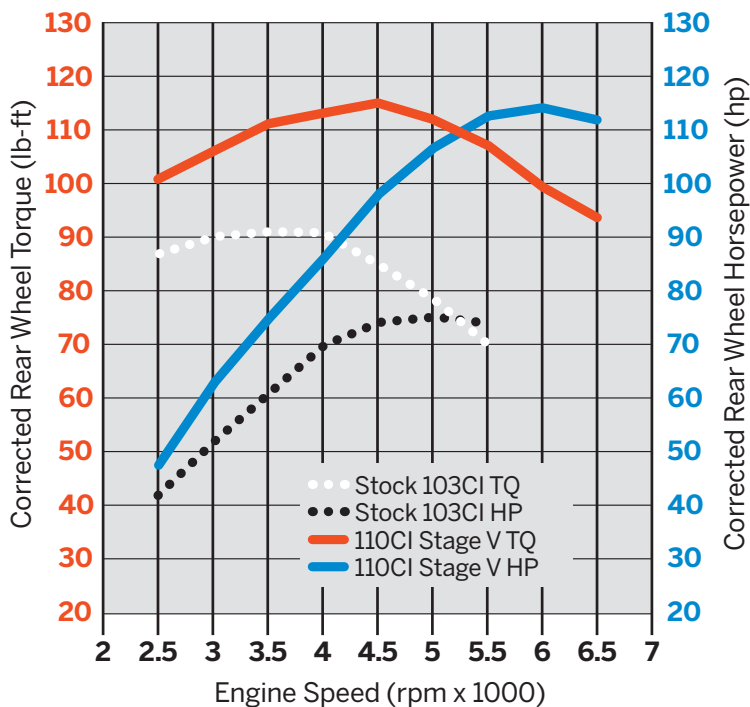
Kit also includes the Screamin' Eagle Pro EFI Super Tuner module to provide on-track tuning for maximum performance. When installed with your choice of 58mm high-flow air cleaner and free-flowing exhaust, this engine has the potential to produce 113 horsepower at the rear wheel. **For race application only.**

92500037 Black Highlighted.

Fits '16-later Softail® and '08-later Touring and Trike models with 4-3/8" stroke flywheel. Does not fit Twin-Cooled™ models. Cannot be installed on CVO™ 110 models, FLSS or FLSTFBS 110 models, or models with engine cases that have been machined to accept large-bore cylinders. Requires separate purchase of accessory 58mm air cleaner and Cam Drive Retention Kit P/N 25566-06. Cam Spacer Kit P/N 25928-06 is recommended. Models without automatic compression releases require installation of model specific Compression Release Kit and Wiring Harness.



**Twin Cam 103 Stock vs.
110CI Stage V Tire Shredder Kit with SE Exhaust**



SCREAMIN' EAGLE PRO 110CI STAGE V TIRE SHREDDER KIT

NOTE: Installation of automatic or manual compression releases on large displacement engines is highly recommended.

62 STAGE KITS – RACE

Twin Cam Models

SCREAMIN' EAGLE® PRO STAGE III RACE KIT – 110 CUBIC INCHES

This kit was engineered and tested to upgrade the CVO™ 110 powertrain for use on the race track. Designed to maximize performance with the stock cylinder heads.

Kit includes the following Screamin' Eagle components:

- Forged 10.5:1 Compression Piston Kit
- SE-259E Performance Cam Kit
- Perfect Fit Pushrods
- Heavy Duty Clutch Spring
- Top End Gasket Kit
- Super Tuner EFI Tuner

The kit also includes the "must have" Screamin' Eagle® Pro EFI Super Tuner module to provide the right on-track tuning for maximum performance. Installation provides significant improvements in performance over the street compliant 110CI CVO vehicle configuration. When equipped with high-flow air intake and high-flow exhaust, the combination has the potential to produce up to 105 HP and 110 lb-ft of torque with the stock cylinder heads. **For race application only.**

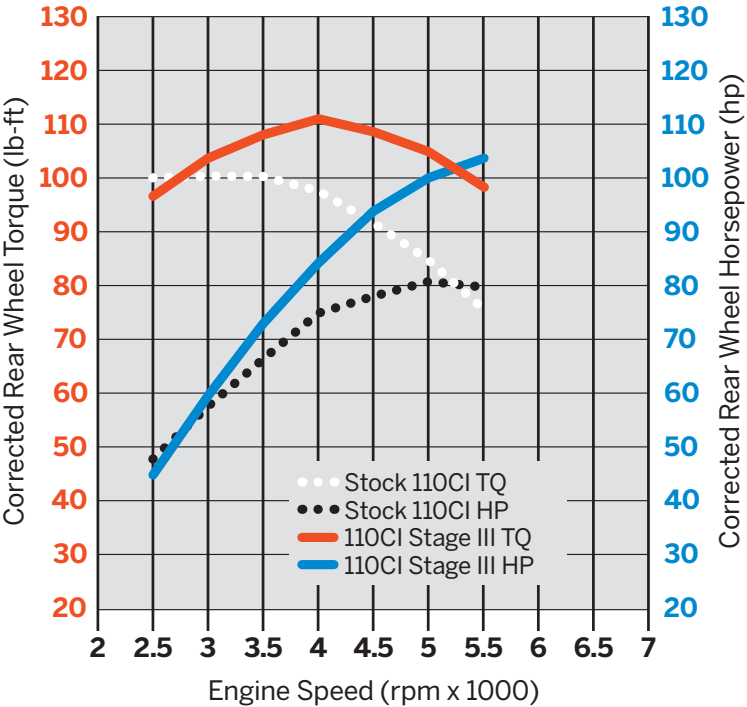
27548-10A

Fits '16-later FLSS, FLSTFBS and '07-later CVO Dyna®, Softail® and Touring models with Original Equipment Twin Cam 110™ engines. Does not fit Twin-Cooled™ CVO models. NOTE: Diaphragm clutch spring is not applicable on CVO models equipped with A&S Clutch package.

NOTE: Installation of automatic or manual compression releases on large displacement engines is highly recommended.



Twin Cam 110 Stock vs.
110CI Stage III Race Kit with SE Exhaust





SCREAMIN' EAGLE® PRO STAGE IV KIT – 103 CUBIC INCHES

The perfect track-ready upgrade for your 103CI Twin Cam model. Ready to install using your Original Equipment 103 cylinder barrels.

Kit includes the following Screamin' Eagle components:

- CNC Ported Factory Cylinder Heads with Performance Valve Springs
- Forged 10.5:1 Compression Piston Kit
- SE-259E Performance Cam Kit
- Perfect Fit Pushrods
- 58mm Throttle Body
- High-Flow Injector Kit
- Heavy Duty Clutch Spring
- Top End Gasket Kit
- Super Tuner EFI Tuner

Installation requires separate purchase of Cam Service Kit P/N 17045-99D and Drive Gear Retention Kit P/N 25566-06.

For race application only.

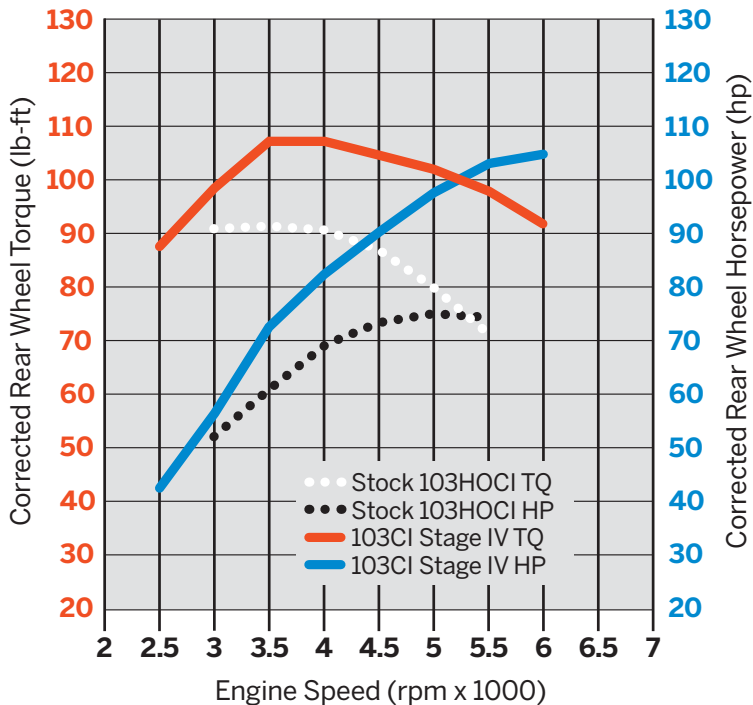
92500010A Black Highlighted.
Fits '12-later Dyna® and '12-'15 Softail® models with Original Equipment Twin Cam 103™ engine.

92500005 Black Highlighted.
Fits '16-later Softail and '10-later Touring models with Original Equipment Twin Cam 103 engine (except Twin-Cooled™ models). Also fits '08-'11 Touring models equipped with a Twin Cam 96™ engine with separate purchase of Screamin' Eagle 3-7/8 Big Bore Cylinder Kit. Dual exhaust is required for '10 FLHX and FLTRX models.

92500018 Black Highlighted.
Fits '14-later FLHTCU, FLHTCUL, FLHTK, FLHTKL, FLTRU and FLHTCUTG models with Original Equipment Twin Cam 103 Twin-Cooled engines.

NOTE: Installation of automatic or manual compression releases on large displacement engines is highly recommended.

**Twin Cam 103HO Stock vs.
103CI Stage IV Kit with SE Exhaust**



**SCREAMIN' EAGLE PRO STAGE IV KIT – 103 CUBIC INCHES
(ORIGINAL EQUIPMENT 103CI TOURING KIT SHOWN)**

64 STAGE KITS – RACE

Twin Cam Models

SCREAMIN' EAGLE® PRO STAGE III KIT – TWIN-COOLED™ 103 CUBIC INCHES

This kit was engineered specifically for the 103 cubic inch HO (High Output) Twin-Cooled™ engine. Designed to maximize performance with Original Equipment heads, this "in-a-box" kit features everything you need to race tune your Twin-Cooled engine.

Kit includes the following Screamin' Eagle components:

- Forged 10.75:1 Compression Piston Kit
- SST Piston Rings
- SE-259E Performance Cam Kit
- Performance Valve Springs
- Perfect Fit Pushrods
- Heavy Duty Clutch Spring
- Top End Gasket Kit
- Super Tuner EFI Tuner

The kit also includes the EFI Super Tuner to provide the correct calibration and fine-tuning capabilities. When teamed with a high-flow exhaust system, this Stage III configuration can be tuned to deliver 100+ horsepower and 100+ lb-ft of torque at the rear wheel. **For race application only.**

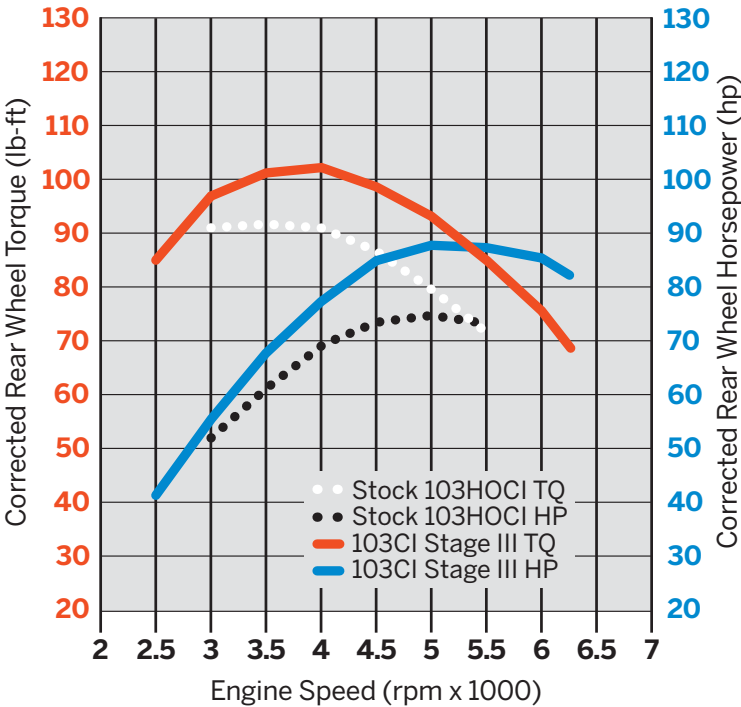
92500021

Fits '14-later FLHTCU, FLHTCUL, FLHTK, FLHTKL, FLTRU and FLHTCUTG models with Original Equipment Twin Cam 103™ Twin-Cooled engines.

NOTE: Installation of automatic or manual compression releases on large displacement engines is highly recommended.



Twin Cam 103HO Stock vs.
103CI Stage III Kit with SE Exhaust – Twin-Cooled Models





SCREAMIN' EAGLE® PRO STAGE III KIT – 103 PERFORMANCE UPGRADE

Build a track-ready performance bike from your factory Twin Cam 103™ model. Designed for use with stock cylinder heads, this “in-a-box” solution includes: the system-matched components you need to build a strong track runner.

Kit includes the following Screamin' Eagle components:

- Forged 10.5:1 Compression Piston Kit
- SST Piston Rings
- SE-585 Performance Cam Kit
- Performance Valve Springs
- Perfect Fit Pushrods
- Heavy Duty Clutch Spring
- Top End Gasket Kit
- Super Tuner EFI Tuner

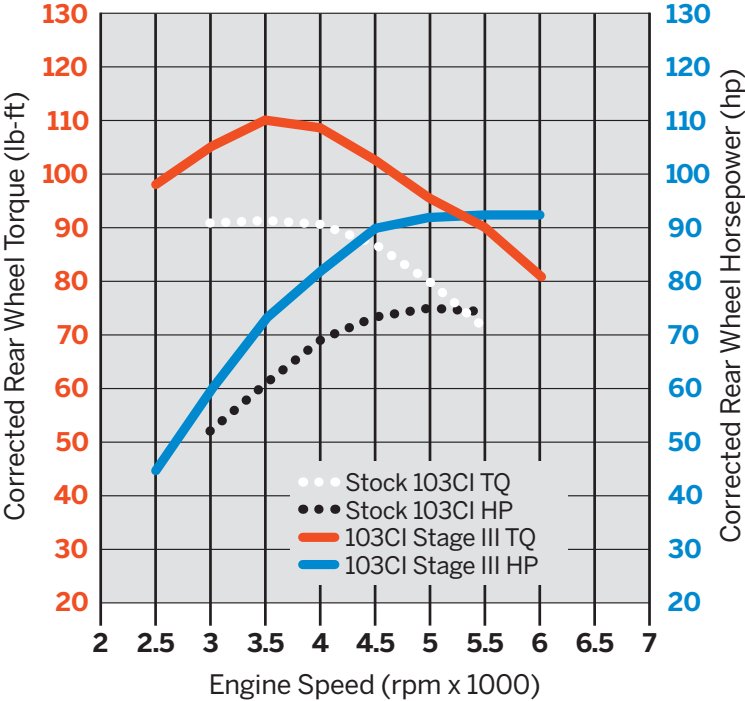
The kit also includes the “must have” Screamin' Eagle® Pro EFI Super Tuner module to provide the right on-track tuning for maximum performance. When installed with your choice of high-flow air cleaner and free-flowing exhaust, this engine has the potential to produce 93 hp and 111 lb-ft of torque with the stock cylinder heads. **For race application only.**

92500023

Fits '10-later Dyna®, Softail® (except FLSS and FLSTFBS), Touring and Trike models with Original Equipment Twin Cam 103 engine. Does not fit Twin-Cooled™ models.

NOTE: Installation of automatic or manual compression releases on large displacement engines is highly recommended.

Twin Cam 103 Stock vs. Twin Cam 103CI Stage III Pro Kit with SE Exhaust



66 STAGE KITS – RACE

Twin Cam Models

SCREAMIN' EAGLE® PRO STAGE IV KIT – 96 TO 103 CUBIC INCHES

If you're looking to turn your 96CI Twin Cam into a track-ready 103, this kit eliminates the guess work.

Kit includes the following Screamin' Eagle components:

- 3-7/8" Big Bore Cylinders
- CNC Ported Factory Cylinder Heads with Performance Valve Springs
- Forged 10.5:1 Compression Piston Kit
- SST Piston Rings
- SE-259E Performance Cam Kit
- Perfect Fit Pushrods
- 58mm Throttle Body
- Intake Manifold
- High-Flow Injector Kit
- Heavy Duty Clutch Spring
- Top End Gasket Kit
- Super Tuner EFI Tuner

The kit also includes high-performance clutch spring and sprocket retention hardware to put the power to the ground and the "must have" Super Tuner to provide the right tuning capabilities. Kit includes top end gaskets. Installation requires separate purchase of Cam Service Kit P/N 17045-99D and Drive Gear Retention Kit P/N 25566-06. **For race application only.**

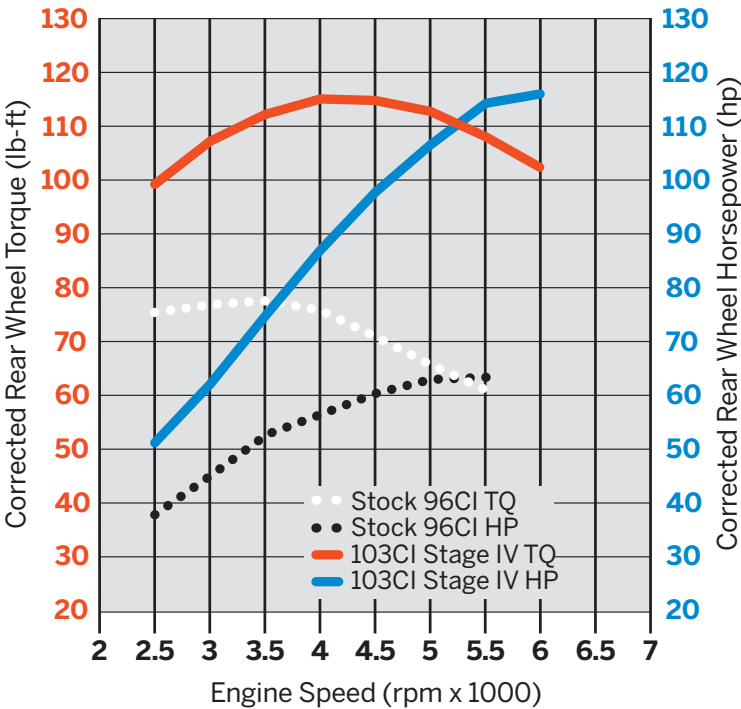
27516-08E Black Highlighted.
Fits '07-later Dyna® and Softail® and '07 Touring models with Original Equipment Twin Cam 96™ engine. Not compatible with cruise control.

27517-08D Black Highlighted.
Fits '08-'11 Touring models with Original Equipment Twin Cam 96 engine.

NOTE: Installation of automatic or manual compression releases on large displacement engines is highly recommended.



Twin Cam 96 Stock vs. 103CI Stage IV Kit



68 STAGE KITS – RACE

Twin Cam Models

A. SCREAMIN' EAGLE® PRO STAGE II KIT – 96/103 CUBIC INCHES

When combined with your choice of free-flowing Screamin' Eagle® intake and slip-on mufflers, this track-ready bolt-in kit is designed to provide your factory-original Twin Cam 96™ or 103™ model with increased performance at an attractive price. Engineered to maximize the performance available from the Original Equipment heads, pistons, valve springs and cylinders, the kit includes Screamin' Eagle SE-254E cams, Quick-Install Pushrods and all necessary gaskets. The kit also includes the Screamin' Eagle Super Tuner for track-side tuning and a high-performance clutch spring that ensures the new-found torque makes it to the rear wheel. **For race application only.**

92500003

Fits '06-later Dyna®, and '07-later Softail® and Touring models equipped with a Twin Cam 96 or 103 engine.

B. SCREAMIN' EAGLE PRO STAGE II KIT – 103 CUBIC INCHES*

The Stage II Big Bore Kit provides the parts you need to improve the track performance and horsepower of your EFI-equipped model. The kit increases the displacement of your Twin Cam-equipped model from 96 cubic inches (1584cc) to 103 cubic inches (1690cc). Kit includes Stage II (SE-255) cams, 3-7/8" Big Bore cylinders, 3-7/8" Big Bore flat top pistons a high-performance clutch spring and all mounting hardware and gaskets. Just add your choice of a Screamin' Eagle High-Flow or Heavy Breather Air Cleaner (sold separately) for maximum track performance. Requires separate purchase of primary cover gasket. Not all components shown. All EFI-equipped models require ECM calibration* (priced separately). Separate purchase of cam spacers is required. See service manual for proper procedure and cam spacer part numbers. **For race application only.**

Fits '07-later models equipped with a Twin Cam 96 engine.

29893-07B Black Highlighted.

29894-07B Silver.

*Recalibration is required for proper installation. See Dealer for details. Labor cost not included.

C. SCREAMIN' EAGLE PRO STAGE II KIT – 95 CUBIC INCHES

When stock cams just won't do. This Big Bore Kit provides the parts you need to increase the horsepower of your EFI-equipped model. The kit increases the displacement of your '99-'06 Twin Cam 88® from 88 cubic inches (1450cc) to 95 cubic inches (1550cc). Includes Stage II (SE-203) cams, 3-7/8" cylinders, 3-7/8" pistons, clips, air cleaner and breather, high-performance clutch spring, hardware and gaskets. Requires separate purchase of primary cover gasket and Air Cleaner Trim Ring. (Not all components shown.) All EFI-equipped models require ECM calibration* (priced separately). **For race application only.**

Fits '04-'05 EFI Dyna, '01-'06 EFI Softail and '02-'06 EFI Touring models.

29859-04B Silver.

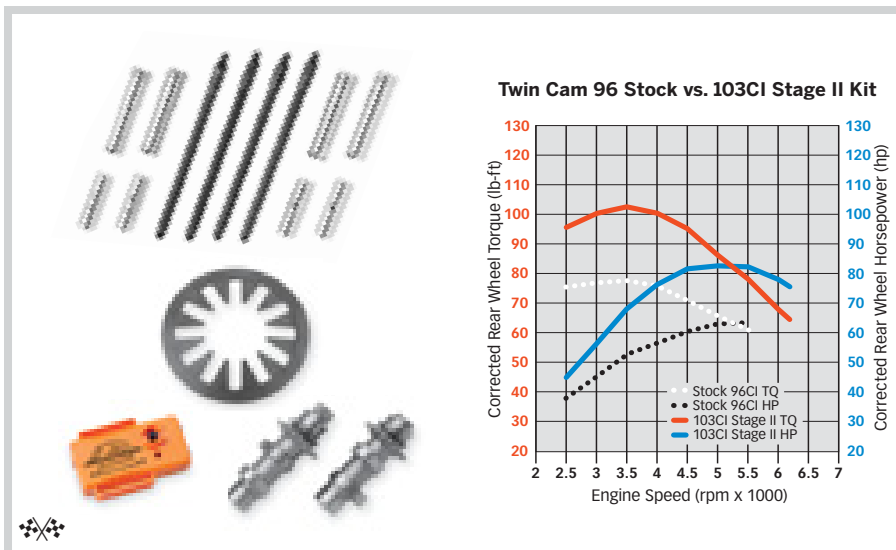
29775-02C Black Highlighted.

Fits '99-'01 fuel-injected Touring models. '99 models require Splined Cam Sprocket P/N 25716-99.

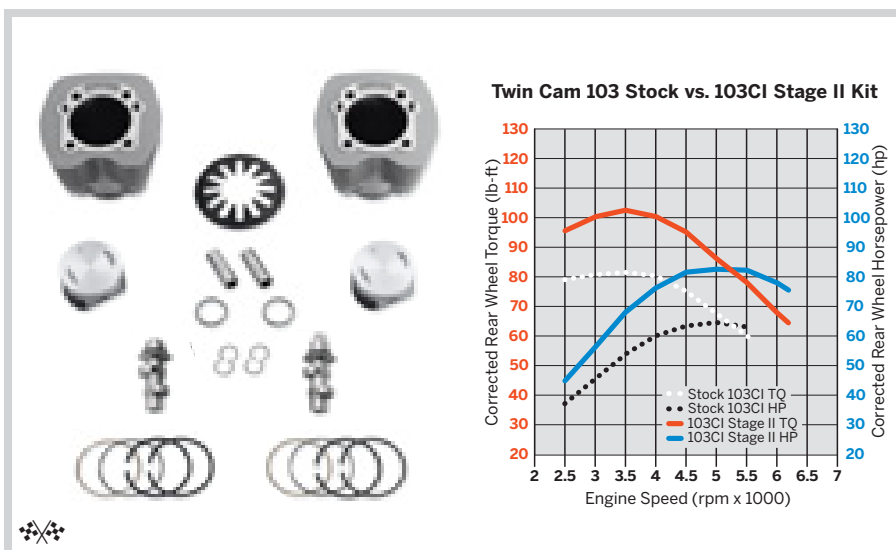
29492-99D Black Highlighted.

*Recalibration is required for proper installation. See Dealer for details. Labor cost not included.

NOTE: Separate purchase of Cam Spacer Kit P/N 25938-00 is recommended for '99-'06 Touring, '01-'06 Softail and '04-'05 Dyna models. This kit contains five different spacers to achieve proper sprocket alignment. Individual spacers can be purchased separately. For '06 Dyna models, see service manual for proper procedure and Cam Spacer part numbers.



A. SCREAMIN' EAGLE PRO STAGE II KIT – 96/103 CUBIC INCHES



B. SCREAMIN' EAGLE PRO STAGE II KIT – 103 CUBIC INCHES



C. SCREAMIN' EAGLE PRO STAGE II KIT – 95 CUBIC INCHES

NEW



D. SCREAMIN' EAGLE PRO STAGE IV KIT – SPORTSTER MODELS

D. SCREAMIN' EAGLE® PRO STAGE IV KIT – SPORTSTER® MODELS

Engineered to get the most performance from the light weight Sportster® model, this complete race-use engine package includes all the components you need to build a reliable track-ready ride.

Kit includes the following Screamin' Eagle components:

- CNC-Ported Factory Cylinder Heads with Performance Valve Springs
- SE Pro XL Performance II Cams
- Forged Hi-Compression 10.5:1 Pistons
- Piston Rings
- 58mm Throttle Body
- Intake Manifold
- Top End Gasket Kit
- Super Tuner EFI Tuner

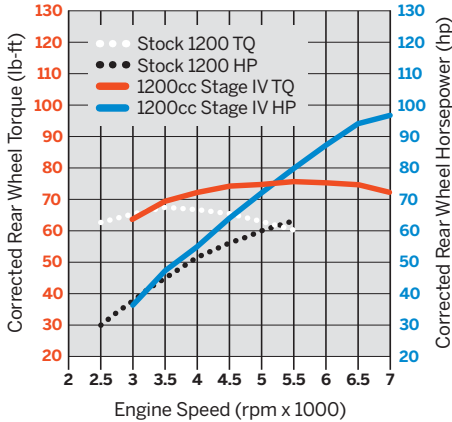
Installation of this kit does not require removal of the powertrain from the chassis. When installed with your choice of high-flow air cleaner and free-flowing exhaust, this engine has the potential to produce almost 100 horsepower at the rear wheel. **For race application only.**

Fits '07-later XL1200 models. Also fits XL883 models with separate purchase of large bore 1200cc cylinders. Requires separate purchase of accessory 58mm compatible air cleaner.

92500029 Black Highlighted Heads.

92500030 Black Non-Highlighted Heads.

Sportster 1200 Stock vs. 1200cc Stage IV Race Kit with SE Exhaust



E. SCREAMIN' EAGLE PRO SPORTSTER 883CC TO 1200CC STAGE II CONVERSION KIT

Upgrade displacement and performance of your track-dedicated Iron 883™ model. The all-black big bore cylinders bump your engine's displacement to 1200cc and the matching 10:1 high-compression pistons are engineered to maximize the performance with the Original Equipment cylinder heads.

Kit includes the following Screamin' Eagle components:

- XL1200 Cylinders
- High Compression 10.0:1 Pistons
- SE Pro XL Cams
- Heavy Duty Clutch Spring
- Top End Gasket Kit
- Screamin' Eagle Super Tuner

The high-performance Screamin' Eagle cams (25197-04) are designed to complement the stock lifters, valve springs and rocker arms. Complete kit includes top-end gaskets, performance clutch spring and the Screamin' Eagle Pro Super Tuner for track-side performance adjustments.

For race application only.

29836-10 Black Non-Highlighted.

Fits '07-later XL883 models.



E. SCREAMIN' EAGLE PRO SPORTSTER 883CC TO 1200CC STAGE II CONVERSION KIT

EFI TUNERS

CONTROL THE FUEL & FIRE

Screamin' Eagle® EFI Tuners provide the computer-based tools you need to record and edit the ECM tuning tables for fuel delivery and spark timing. The Tuning Mode allows you to alter specific variables in your EFI system, and the Data Mode enables you to record and display real-time vehicle data directly on screen. The software includes a variety of pre-tuned calibrations that can be saved and loaded into your ECM.



PERFORMANCE TUNING

Modifying an EFI-equipped motorcycle for improved performance is similar to modifying a carbureted model, in that freer-flowing intake and exhaust systems will require more fuel, and increased displacement and compression will require more fuel and spark timing changes. The Screamin' Eagle family of EFI Tuners provide the computer-based tools you need to record and edit the ECM tuning tables for fuel delivery and spark timing. The Tuning mode allows you to alter specific variables in your EFI system, and the Data mode enables you to record and display real-time vehicle data and graph the results on screen. The Tuner software also includes a variety of pre-tuned calibrations that can be saved and loaded into your ECM.

RACE PERFORMANCE TUNING

SCREAMIN' EAGLE® PRO SUPER TUNER

Provides Screamin' Eagle starting calibrations with an increased level of adjustability to account for more radical, race-use engine builds.

- For race application only
- Increased adjustability for race engine configurations



Screamin' Eagle Pro Super Tuner



SCREAMIN' EAGLE PRO PERFORMANCE SUPER TUNER



Get the biggest advantage at the race track with the Screamin' Eagle® Pro EFI Super Tuner. The hardware and software in the Super Tuner makes EFI tuning easier with dozens of innovative tuning enhancements. Super Tuner is available in 8 languages (English, Spanish, German, French, Japanese, Italian, Portuguese and Dutch), and is compatible with Windows® XP, Vista®, Windows 7 and Windows 8. The VCI allows USB connectivity to your PC and contains on board memory for a full 15 minutes of data recording, tracking up to 26 data variables. Data recording is conveniently activated with a push of a button, allowing the VCI to be taken to the track to gather data during true race conditions. Cable Kit (P/N 32184-08A or 41000018) is sold separately and provides all necessary connections between Motorcycle, VCI and PC / Laptop. Data and tuning functions are combined into a single application, ensuring you are only 2 clicks away from any major tuning function. With the click of a button, the software automatically connects to the internet, updates to the most current version and retrieves the newest calibrations developed by professional Screamin' Eagle calibrators. Software contains built-in model recognition that filters calibrations, listing those that are applicable to your model.

To get you on the track quickly, a free web-based training guide has replaced the training DVD and is available through the software.

Super Tuner software is included and updates are available via web download. For race application only.

32109-08C

For use with '01-later EFI VRSC™, XL, XR, Dyna®, Softail® and '02-later EFI Touring and Trike models. Also fits VRXSE Destroyer® race bikes. Requires separate purchase of Cable Kit.

Also available:

SCREAMIN' EAGLE TUNER CABLE KIT



Cable kit provides all necessary connections between motorcycle, VCI and computer, and permits downloading calibrations with the Street Tuner and Super Tuner software. Kit includes two cables; computer USB to VCI box and VCI box to vehicle.

32184-08A

For use with '01-later VRSC, '01-'13 EFI XL and XR, '01-'11 EFI Dyna, '01-'11 EFI Softail, '02-'13 EFI Touring and '09-'13 Trike models. Also for use with VRXSE Destroyer race bikes.

41000018

For use with '14-later XL, '12-later Dyna, '11-later Softail, '14-later Touring and '14-later Trike models.

FEATURES

	SUPER TUNER
Street-Use (EPA/CARB) Calibrations	No
SE Pro (Race-Use Only) Calibrations	Yes – Stage 1, 2, 3 & 4
Retains Full Engine Warranty	No
Tuning Parameters:	
<i>Air Fuel Ratio</i>	Tunable
<i>Throttle Progressivity</i>	Tunable
<i>Spark Advance</i>	Tunable
<i>RPM Max</i>	Tunable
<i>Idle RPM</i>	Tunable
<i>Accel Enrichment</i>	Tunable
<i>Decel Enleanment</i>	Tunable
Data Recording	15 minutes
Smart Tune LIVE	Yes
Graphical Data Display	Yes
Service Codes Display/Clear	Yes
Available for VRSC and XR models	Yes
International Calibrations/Compatible	Yes
Language Support	English, Spanish German, French Japanese, Italian Portuguese, Dutch

STREET PERFORMANCE TUNING

Tuning a motorcycle for street performance involves dialing in the fuel delivery and spark timing for the increased air flow and combustion chamber changes. To enable proper tuning for different combinations, our Screamin' Eagle team develops street compliant ECM calibrations that are available in 2 different ways:

CALIBRATION DOWNLOAD

Calibration files are loaded directly on to your motorcycle with your dealer's diagnostic computer.

- 50-state compliant – Maintains factory warranty
- Developed by Screamin' Eagle Engineering
- One-time ECM tune

SCREAMIN' EAGLE® STREET PERFORMANCE TUNER

Provides Screamin' Eagle starting calibrations that can be adjusted to account for bike-to-bike variation and differences in intake and exhaust systems.

- 50-state compliant – Maintains factory warranty
- Re-tune your motorcycle as you add performance upgrades
- Adjustable to account for intake and exhaust combinations and bike-to-bike variation

SCREAMIN' EAGLE® STREET PERFORMANCE TUNER



The Screamin' Eagle® Street Performance Tuner is designed to simplify management of street compliant performance calibrations as EPA/CARB-compliant performance modifications are made. Once installed, the kit will allow you to upload the latest ECM calibrations for your bike's compliant state-of-tune. Start with a high-flow air cleaner and Street Performance mufflers and upload the calibration that provides the best performance mix. Add a Big Bore Stage I or Stage II Kit later and simply download the proper ECM calibration to match the model and hardware. Plus, you have online access to the latest factory calibrations.

The kit includes the Vehicle Communications Interface (VCI) module with on-board memory that can record up to 15 minutes of run-time data. The module will store information on up to 27 variables that can be downloaded to your PC via an optional USB cable, allowing the rider or technician to view and evaluate engine operating parameters. With the included software, you can download and view the bike's air/fuel ratio, O2 sensor readings, engine speed and temperature, RPM and vehicle speed, throttle position, spark advance and many more performance characteristics. The VCI will also record and display service codes for troubleshooting and diagnostics.

The Street Tuner software includes impressive features:

- Smart Tune Live – A full dyno tune typically incorporates the use of wideband oxygen sensors to collect the data throughout the entire RPM range to make changes. Screamin' Eagle has developed the SMART TUNE Live mode which allows you to ride the motorcycle on a closed course and collect all of the necessary sensor data by riding through the entire RPM and load range of the motorcycle. Once back at the shop, you can plug in the Tuner VCI and copy and paste your new data tables into your calibration file and generate your own custom tune that's perfect for your motorcycle. The Smart Tune Live mode allows you to make adjustments to volumetric efficiency (VE) and spark advance in the closed-loop or "cruising" range as well as in the open-loop range where you twist throttle wide-open and want the best performance.
- Interpolation of missing data derived from recordings, which reduces analysis time by automatically generating data that might be missed in the recording process.
- Viewable data meters doubled from 4 to 8 allowing users to monitor more real-time data. Users can now save and restore data meter configurations which are viewable in both traditional data modes and the new Smart Tune Live.
- Increased sampling rate to take advantage of the faster ECM data speeds found on select '11-later models (CAN protocol).
- Revised tuning tree with intuitive double click features.

41000008B

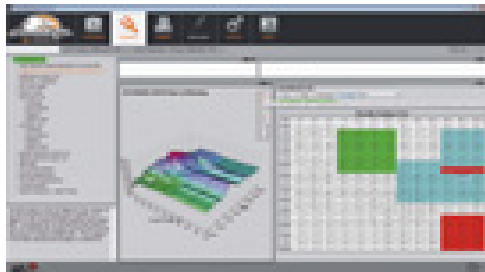
For use with '14-later XL and '07- later EFI Dyna®, Softail® and Touring models.

FEATURES

STREET TUNER	
Street-Use (EPA/CARB) Calibrations	Yes – Stage 1, 2 & 4
SE Pro (Race-Use Only) Calibrations	No
Retains Full Engine Warranty	Yes
Tuning Parameters:	
Air Fuel Ratio	Tunable – All; Through VE Adjustments
Throttle Progressivity	Tunable – '14-later Touring
Spark Advance	Tunable – '14-later Touring and XL, '12-later Softail and Dyna
RPM Max	View Only
Idle RPM	View Only
Accel Enrichment	View Only
Decel Enleanment	View Only
Data Recording	15 minutes
Smart Tune LIVE	Yes
Graphical Data Display	Yes
Service Codes Display/Clear	Yes
Available for VRSC and XR models	No
Language Support	English Only



TOOLBOX – Data Item Graphing with Meters



TUNER – ECM Mapping with Graphic Data

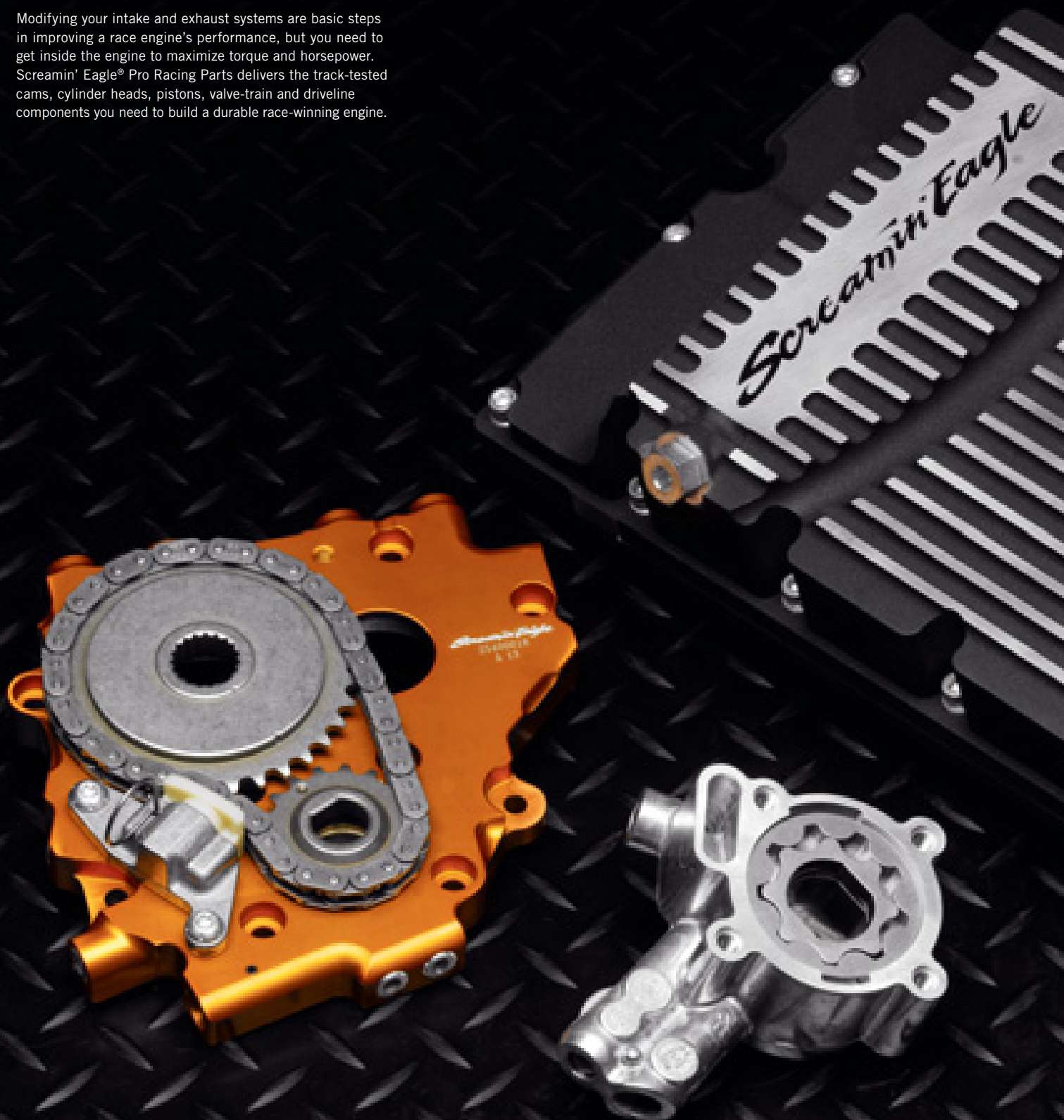
To get started with Street Performance Tuning, a free web-based training guide is available online at: H-D.COM/StreetPerformanceTuner



ENGINE & DRIVETRAIN COMPONENTS

BUILD POWER FROM WITHIN

Modifying your intake and exhaust systems are basic steps in improving a race engine's performance, but you need to get inside the engine to maximize torque and horsepower. Screamin' Eagle® Pro Racing Parts delivers the track-tested cams, cylinder heads, pistons, valve-train and driveline components you need to build a durable race-winning engine.



CHOOSING CAMSHAFTS

Camshafts are a fundamental ingredient in the performance recipe, because they control the timing and duration of all major engine events. They are the primary means by which you can tune your engine's horsepower and torque output. Every cam has unique lift and overlap performance characteristics, which means you need to select cams based on exactly the kind of power you're looking for.

While hot cams, higher-flowing cylinder heads and a free-flowing exhaust system will move the peaks higher up the rpm band, conservative cams may feel stronger to a street rider because the maximum torque occurs at lower rpm. The experts at your Harley-Davidson® dealer have the knowledge, skill and experience to recommend the optimum cam specifications for your riding demands.

GIVE IT A LIFT

There are a few basic questions you should ask yourself when selecting a camshaft for your Twin Cam engine.

What is the primary use of the motorcycle?

Are you looking for a bump in low-end torque for your loaded touring bike or are you seeking a big boost in horsepower to push your lightweight bike to victory at the strip?

What type of riding do you do?

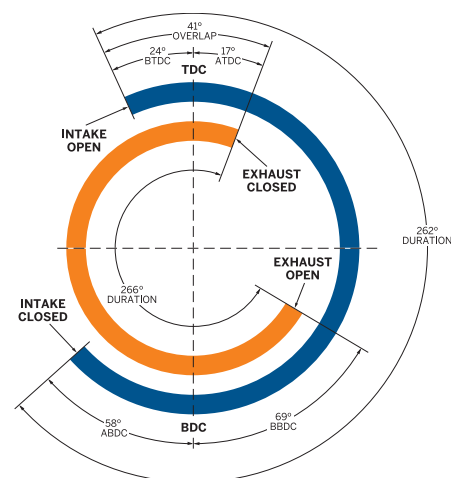
Is your riding style relaxed or aggressive? Do you spend a lot of time riding stoplight to stoplight or do you prefer a leisurely two-up ride on back roads and freeways?

What other modifications have been made to the engine?

Have you installed a mild Stage I air cleaner and

street-performance muffler package or have you gone all-out with big bore cylinders, high-compression pistons and ported cylinder heads?

When building an engine to satisfy these performance objectives, the relationship between horsepower and torque is one of the most significant concepts to understand. Camshafts, cylinder heads and stroke length determine where the torque and horsepower peaks occur. While hot cams, higher-flowing cylinder heads and a free-flowing exhaust system will move the peaks higher up the RPM band, conservative cams may feel stronger to a street rider because the maximum torque occurs at lower RPM. The experts at your Harley-Davidson® dealer have the knowledge, skill and experience to recommend the optimum cam specifications for your riding demands.



Valve Timing Events (SE-266E shown)

TDC = Top Dead Center (piston at very top of cylinder)

ATDC = After Top Dead Center

BTDC = Before Top Dead Center

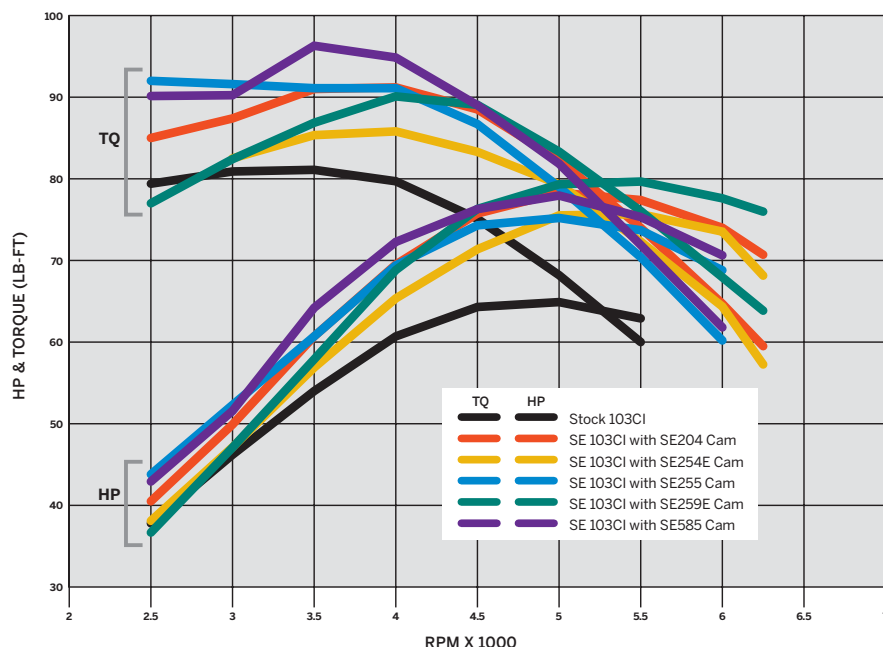
BDC = Bottom Dead Center (piston at very bottom of cylinder)

ABDC = After Bottom Dead Center

BBDC = Before Bottom Dead Center

CAM COMPARISON CHART

TWIN CAM 103™ STOCK VS. 103 WITH SCREAMIN' EAGLE® AIR CLEANER, CAM AND STREET PERFORMANCE MUFFLERS



VALVE TRAIN RELIABILITY

In race applications, high-lift cams and stiff valve springs put extreme pressure on the engine's lifters and pushrods. At 7,000 RPM, instantaneous forces of up to 1200 lbs. can be experienced. This severe dynamic loading can lead to accelerated tappet wear. In these applications, we suggest installation of Screamin' Eagle High-Capacity Tappets and periodic tappet inspection and replacement to maximize engine life.

SCREAMIN' EAGLE® PRO TWIN CAM PERFORMANCE CAMS ❄❄

FOR '99-'05 DYNA®, '00-'06 SOFTAIL® AND '99-'06 TOURING MODELS.

Kits include front and rear cams. Splined rear cam is included for exceptional load handling capability. Gaskets and bearings not included. Dealer installation is recommended and special tools are required for proper installation. Cam Installation Kit P/N 17045-99C (sold separately) includes all required gaskets, bearings and seals for proper installation. '99 models require splined Cam Sprocket P/N 25716-99 for installation. All EFI models require ECM calibration (priced separately). **For race application only.**

In race applications, high-lift cams and stiff valve springs put extreme pressure on the engine's lifters and pushrods. At 7,000 RPM, instantaneous forces of up to 1200 lbs. can be experienced. This severe dynamic loading can lead to accelerated tappet wear. In these applications, we suggest installation of Screamin' Eagle High-Capacity Tappets and periodic tappet inspection and replacement to maximize engine life.

SE-203 CAM KIT

Bolt-in performance cams designed to provide exceptional midrange torque. Installation does not require any headwork or performance valve springs and will work well with stock or mildly ported heads. Peak power occurs around 5500 RPM. Works well with displacements up to 96 cubic inches. **For race application only.**

SE-204 CAM KIT

This midrange torque bolt-in cam produces peak horsepower around 5800 RPM and installation does not require any headwork or performance valve springs. Should be used in conjunction with open intake and exhaust. **For race application only.**

SE-211 CAM KIT

This camshaft works great with 103" and larger engines with free-flowing intake and exhaust. This bolt-in camshaft works well with stock heads and high-compression pistons. It increases midrange torque and top-end power. **For race application only.**

SE-251 CAM KIT*

This camshaft is a high lift version of the SE-211 camshaft. As such, it works great with 103" and larger engines with free-flowing intake and exhaust. It can be used with stock heads updated with race springs and high-compression pistons to get even more torque than a SE-211 cam or couple it with any of the performance heads to realize the full power potential of this cam. **For race application only.**

SE-253 CAM KIT*

This high lift, torque cam is designed for larger displacement engines where increased midrange power is desired. This cam works well with increased compression and free-flowing intake and exhaust. **For race application only.**

SE-254E CAM KIT

This cam provides great low-end torque along with good midrange. A good "all-around" cam, the SE-254E is a good match for a Dyna®, Softail® or light Touring bike - Road King®, Street Glide® or Road Glide® Custom - when the aggressive rider desires a little more top-end horsepower. In a 0-60 sprint or 1/4 mile drag race, the SE-254E-equipped model would pull ahead of an identical model with a SE-255 cam. **For race application only.**

SE-255 CAM KIT

The ultimate in torque cams, this cam offers substantial increase in low-end torque for engines up to 110 cubic inches with compression ratios up to 10 to 1. The low-end torque increases are great for heavy bikes or for the person who routinely shifts below 4500 RPM and wants the power available to pass without downshifting. The cam still makes peak power above 5000 RPM so people with lighter bikes will enjoy the torque increases without feeling like the bike runs out of air at higher engine speeds. These cams are used in the '07-later street compliant 103 Stage II Kits and the 110 Stage I Kits. Compression releases may be required depending on displacement and compression ratio. **For race application only.**

SE-257 CAM KIT*

This cam delivers high-end horsepower you will feel in the straightaway while maintaining decent midrange torque. This cam requires increased compression for optimum performance. Works well in conjunction with big bore or larger cylinders, forged high-compression pistons, performance heads and open intake and exhaust. **For race application only.**

SE-258 CAM KIT*

This higher power version of the SE-257 cam has been designed for high -compression big bore or larger cylinders and piston when used in conjunction with performance heads and open intake and exhaust. The later intake closing sacrifices some low-end torque to gain top-end power. The cam works great in cruiser bikes and provides an extra kick above 3000 RPM so hold on tight. **For race application only.**

SE-259E CAM KIT – EFI*

Developed specifically for throttle body EFI systems, this cam has a modern lobe design that allows for higher valve lifts for a given duration. A high-lift version of the SE-211 camshaft, this cam works great with 103" and larger engines with free-flowing intake and exhaust. It can be used with stock heads (updated with race springs) and high-compression pistons for even more torque than a SE-211 cam, or can be coupled with any of the performance heads to realize the full power potential. This cam is used in the 103" Stage III Race Kit. **For race application only.**

FOR '06-LATER DYNA, '07-LATER SOFTAIL AND TOURING MODELS.

Kits include front and rear cams. Splined rear cam is included for exceptional load handling capability. Gaskets and bearings not included. Dealer installation is recommended and special tools are required for proper installation. Cam Installation Kit P/N 17045-99C (sold separately) includes all required gaskets, bearings and seals for proper installation. All EFI models require ECM calibration (priced separately).

For race application only.

SE-585 CAM KIT*

This cam is a great match for riders of heavy Touring bikes looking for big torque at the low end. Just a quick downshift to fourth gear results in an effortless pass of that slow moving tractor-trailer ahead of you. This cam provides early on high torque at the low end of the RPM spectrum. A unique combination of lift, cam lobe duration and an enhanced cam profile ramp provides a performance boost you can feel. The cam's QRD (Quiet Race Design) delivers high torque throughout the RPM range while reducing valve train noise. **For race application only.**

SE-260 CAM KIT*

This cam is designed around large displacement and high RPM engines. This cam should be used with high-compression, performance heads and open intake and exhaust. This cam is used in the 103" and larger Stage IV Race Kits. It has the lift and duration necessary to take advantage of the 110+ and CNC ported heads. **For race application only.**

SE-263E CAM KIT – EFI*

Developed specifically for throttle body EFI systems, this cam has a modern lobe design that allows for higher valve lifts for a given duration. Overlap is reduced to improve part throttle drivability while maintaining great wide open throttle torque and power. This camshaft works well with 110" and larger engines. It should be used with high-compression performance heads and free-flowing intake and exhaust. **For race applications only.**

SE-266E CAM KIT – EFI*

Developed specifically for throttle body EFI systems, this cam has a modern lobe design that allows for higher valve lifts for a given duration. Overlap is reduced to improve part throttle drivability while maintaining great wide open throttle torque and power. This camshaft works well with 110" and larger engines. It should be used with high-compression performance heads and free-flowing intake and exhaust. This cam shaft is used in the 113" Stage IV Race Kit and SE120R engines. **For race applications only.**

RX-267 CAM KIT*

This Race Xtreme camshaft uses a very aggressive full-race lobe design to maximize airflow into the engine. The aggressive ramp design opens and closes the valves quickly to maximize the valve open area and promotes maximum flow and power. These cams are not for the faint of heart or novice – they are for the serious racer with a desire to beat the competition. These cams are designed to work in concert with the Hurricane CNC Oval Ported cylinder heads, high-compression pistons, Oval Port High-Flow Intake Manifold, Screamin' Eagle® 62mm Throttle Body with high-flow injectors and matching Velocity Stack. **For race application only.**

NOTE: Separate purchase of Cam Spacer Kit P/N 25928-06 is recommended for '06-later Dyna®, '07-later Softail® and Touring models. These kits contain five different spacers to achieve proper sprocket alignment. Individual spacers can be purchased separately.

CAM SPECIFICATIONS

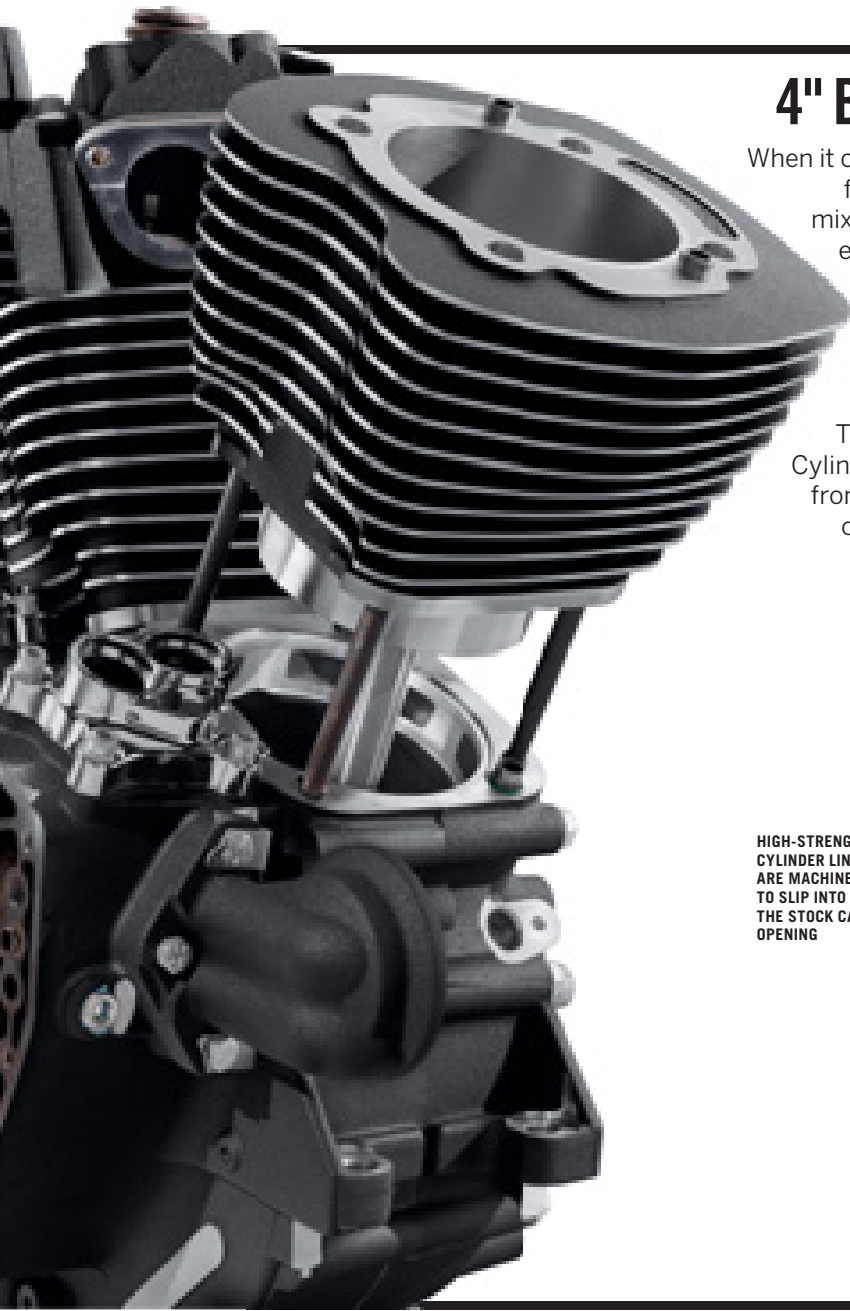
Description	'99-'05 Dyna® '00-'06 Softail® '99-'06 Touring	'06-'16 Dyna '07-'16 Softail '07-'16 Touring	Lift @ Valve Intake/Exhaust	Duration @ .053 Intake/Exhaust	Timing @ .053 Lift Open/Close	TDC Lift @ Valve Intake/Exhaust
Stock Cam Specs	—	—	.484" / .484"	198° / 222°	Intake: 12° ATDC / 30° ABDC Exhaust: 38° BBDC / 04° ATDC	0.041" / .102"
MY14 Stock HO 103	—	See Service manual for specific P/N	.511" / .511"	212° / 233°	Intake: 02° BTDC / 30° ABDC Exhaust: 43° BBDC / 10° ATDC	.091" / .125"
SE-203 Midrange TQ	25937-99B	—	.510" / .483"	234° / 239°	Intake: 18° BTDC / 36° ABDC Exhaust: 42° BBDC / 17° ATDC	0.178" / .152"
SE-204 Midrange TQ	25149-00	25464-06	.508" / .508"	236° / 240°	Intake: 22° BTDC / 34° ABDC Exhaust: 52° BBDC / 08° ATDC	0.208" / .129"
SE-211 Midrange TQ	25152-00	25465-06	.508" / .508"	248° / 256°	Intake: 23° BTDC / 45° ABDC Exhaust: 59° BBDC / 17° ATDC	0.203" / .170"
SE-251* Midrange TQ	25121-03	—	.579" / .579"	244° / 250°	Intake: 18° BTDC / 46° ABDC Exhaust: 56° BBDC / 14° ATDC	0.178" / .158"
SE-253* Hi Speed HP	25376-03	—	.538" / .538"	240° / 256°	Intake: 7° BTDC / 53° ABDC Exhaust: 59° BBDC / 17° ATDC	0.119" / .158"
SE-254E Midrange TQ	—	25503-10	.535" / .536"	224° / 234°	Intake: 01° ATDC / 43° ABDC Exhaust: 50° BBDC / 04° ATDC	0.094" / .102"
SE-255 Low Speed TQ	—	25638-07	.556" / .556"	211° / 235°	Intake: 6° BTDC / 25° ABDC Exhaust: 48° BBDC / 7° ATDC	0.130" / .116"
SE-257* Midrange TQ	25155-00	—	.569" / .569"	252° / 260°	Intake: 24° BTDC / 48° ABDC Exhaust: 59° BBDC / 21° ATDC	0.213" / .200"
SE-258* Hi Speed HP	25137-00	25474-06	.569" / .569"	258° / 268°	Intake: 26° BTDC / 52° ABDC Exhaust: 65° BBDC / 23° ATDC	0.224" / .208"
SE-259E* Midrange TQ	—	25482-10	.579" / .579"	246° / 250°	Intake: 19° BTDC / 47° ABDC Exhaust: 58° BBDC / 12° ATDC	0.182" / .155"
SE-585 Midrange TQ	—	25400117	.584" / .584"	234° / 240°	Intake: 18° BTDC / 36° ABDC Exhaust: 47° BBDC / 13° ATDC	0.178" / .142"
SE-260* Hi Speed HP	25122-02	25475-06	.609" / .609"	263° / 269°	Intake: 28° BTDC / 55° ABDC Exhaust: 65° BBDC / 24° ATDC	0.236" / .213"
SE-263E* Hi Speed HP	—	25483-10	.637" / .637"	254° / 258°	Intake: 22° BTDC / 53° ABDC Exhaust: 64° BBDC / 15° ATDC	0.196" / .168"
SE-266E* Hi Speed HP	25400029	25494-10	.658" / .658"	262° / 266°	Intake: 24° BTDC / 58° ABDC Exhaust: 69° BBDC / 17° ATDC	0.208" / .178"
RX-267* Hi Speed HP	—	25602-10	.660" / .660"	278° / 282°	Intake: 31° BTDC / 67° ABDC Exhaust: 76° BBDC / 26° ATDC	0.257" / .231"

Theoretical based on rocker arm ratio of 1.65. Valve train components, operation temperature and tolerance stack-up will affect actual lifts.

NOTE: It is recommended that older models should have valve springs replaced over time as valve springs lose their tension over time and lose their ability to support appropriate valve spring tension especially when used at higher RPM's.

***NOTICE:** Requires use of Screamin' Eagle Valve Spring Kit and appropriate Screamin' Eagle Pushrods for installation and to ensure proper clearance. Failure to comply may result in engine damage.

NOTE: Separate purchase of Cam Spacer Kit P/N 25928-06 is recommended for '06-later Dyna®, '07-later Softail® and Touring models. These kits contain five different spacers to achieve proper sprocket alignment. Individual spacers can be purchased separately.

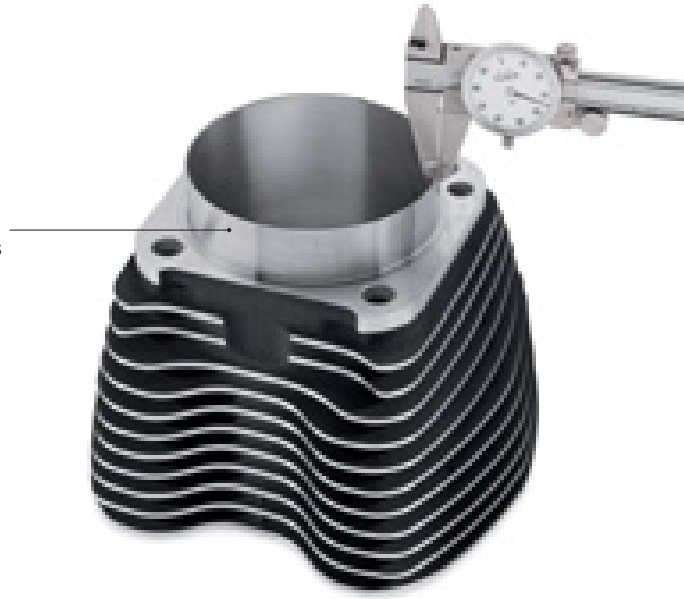


4" BIG BORE BOLT-ON CYLINDERS

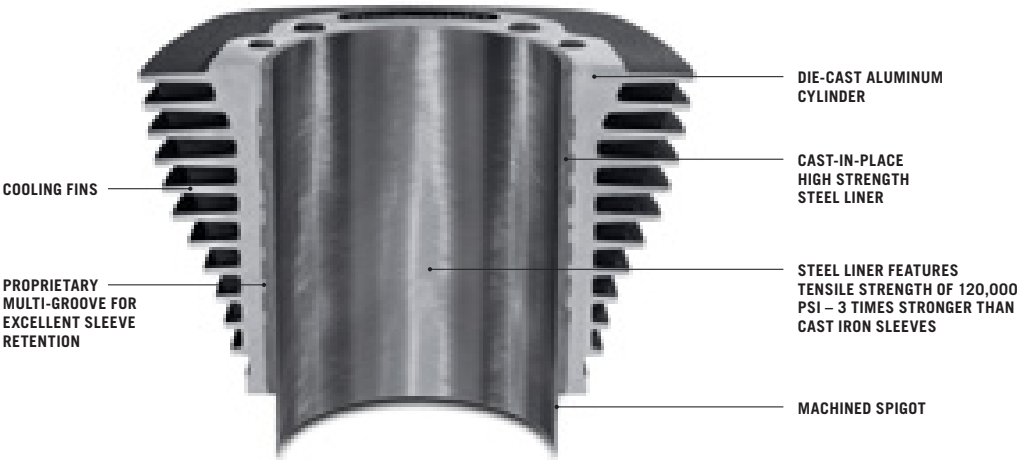
When it comes to increasing engine power, there is no substitute for more cubic inches. With efficient filling of the air/fuel mixture, the bigger the displacement, the more power your engine can produce. In the past, the only way to increase the bore of your 103 cubic inch Twin Cam V-Twin motor was to tear down the motor and re-bore the engine cases to fit larger bore cylinder spigots. It was a labor-intensive – and expensive – process.

The Screamin' Eagle team has engineered a 4" Big Bore Cylinder and Piston package that increase the internal bore from 3-7/8" to 4", without increasing the outside diameter of the cylinder spigot. The cylinder slips into the existing case bore without modification.

HIGH-STRENGTH CYLINDER LINERS ARE MACHINED TO SLIP INTO THE STOCK CASE OPENING



FEATURES





A. SCREAMIN' EAGLE PRO 4" BIG BORE BOLT-ON CYLINDER AND PISTON KIT

A. SCREAMIN' EAGLE® PRO 4" BIG BORE BOLT-ON CYLINDER AND PISTON KIT

Now, you can take your 96 or 103 cubic inch motor to a full 110 cubic inches without removing the engine from the chassis. The Screamin' Eagle team has engineered a 4" Big Bore Cylinder and Piston package that increase the internal bore from 3-7/8" to 4", without increasing the outside diameter of the cylinder spigot. The cylinder slips into the existing case bore without modification. Have you already installed a Stage III or Stage IV performance kit on your 103 Twin Cam motor? This kit will add a whopping 7 cubic inches of displacement for more torque throughout the RPM range. The kit includes front and rear cylinders, system-matched pistons with rings, and top head gaskets. All EFI models require ECM calibration (priced separately). **For race application only.**

92500039 Black Highlighted.

Fits '07-later Twin Cam models with 4-3/8" stroke flywheel. Cannot be installed on CVO™ 110, FLSS or FLSTFBS 110 models or models with engine cases that have been machined to accept large-bore cylinders. Twin-Cooled™ models require separate purchase of model-specific head gaskets.

B. SCREAMIN' EAGLE PRO 4.060" BIGGER-BORE CYLINDER KIT

These 4.060 inch "Bigger Bore" cylinders increase the displacement of a Twin Cam engine to 1856cc's (113"/1.9 Liter) (Twin Cam 88® engines also require Screamin' Eagle® Pro Stroker Flywheel and Rod Assembly). Cylinders are factory-honed to accept standard bore size 4.060" pistons. Cylinder spigot is machined for cylinder-to-cylinder clearance for this large displacement application. Installation requires crankcase machining by a qualified machinist. Dealer installation is recommended. Kit includes front and rear cylinders and required gaskets. All EFI models require ECM calibration (priced separately). **For race application only.**

16550-04C Black Highlighted. (pair)

Fits '99-later Twin Cam-equipped models (except FLSS, FLSTFBS or Twin-Cooled models). Cannot be installed on 110CI CVO models, or any Twin Cam model previously upgraded to a 110CI motor. Requires crankcase modifications or separate purchase of SE Pro Crankcase P/N 24601-10 or 24400001A.

Also available:

SCREAMIN' EAGLE 4" BIG-BORE CYLINDER KIT

This kit increases the displacement of the Twin Cam engine to 110 cubic inches (1800cc) (Twin Cam 88 engines also require Screamin' Eagle Pro Stroker Flywheel and Rod Assembly). Cylinders are factory honed to accept 4.00" pistons. Installation requires crankcase machining by a qualified machinist. Dealer installation is recommended. Kit includes front and rear cylinders. All EFI models require ECM calibration (priced separately). These cylinders are sized to specific crankcases bored to CVO 110 specifications. Do not use with Bolt-On 4" Big Bore Stage Kits or Cylinder and Piston Kit P/N 92500039.

16555-07A Black Highlighted. (pair)

Fits '99-later Twin Cam-equipped models. Stock on CVO Twin-Cooled Models.

16555-07A Black Highlighted. (pair)

C. SCREAMIN' EAGLE 3-7/8" BIG-BORE CYLINDER KIT

Bigger is better. This kit increases displacement of the Twin Cam 88 (1450) to 95 cubic inches (1550) or 103 cubic inches (1690) when used with Screamin' Eagle Stroker Flywheel and Rod Assembly. Also can be used with Twin Cam 96™ (1584) models to produce 103 cubic inches (1690) with stock flywheels. These cylinders require no crankcase machining and are finished honed for standard size 3-7/8" pistons. Use with flat-top, high-compression or Stroker pistons. All EFI models require ECM calibration (priced separately).

Fits '99-later Twin Cam-equipped models (except FLSS and FLSTFBS).

16500045A Black Non-Highlighted. (pair)

16546-99A Black Highlighted. (pair)

16549-99A Silver Highlighted. (pair)



4" Black Highlighted

4.060" Black Highlighted

B. SCREAMIN' EAGLE PRO 4" AND 4.060" BIGGER-BORE CYLINDER KIT



Black Highlighted

Black Non-Highlighted

C. SCREAMIN' EAGLE 3-7/8" BIG-BORE CYLINDER KIT

80 ENGINE COMPONENTS

Flywheels – Twin Cam

A. SCREAMIN' EAGLE® PRO STROKER FLYWHEEL AND ROD ASSEMBLY – 4-3/8"

These Stroker flywheels provide 103 or 113 cubic inches of raw power for your Twin Cam engine, by increasing your stock stroke from 4.0" to 4-3/8" and adding the appropriate pistons and cylinders. The flywheels and rods are made from high-strength forgings. The assembly makes use of the Original Equipment (straight press) crankpin and bearings, which mean you get proven durability. Stroker installation requires Big Bore Stroker Pistons and Big Bore Cylinders. All EFI models require ECM calibration (priced separately).

23703-02A 4-3/8" Stroke.

Fits '00-'06 Softail® models. '03-'06 models require the installation of Bearing Assembly P/N 24004-03B. (shown) ❖❖

23600-00A 4-3/8" Stroke.

Fits '99-'05 Dyna® and '99-'06 Touring models. '03-'06 models require the installation of Bearing Assembly P/N 24004-03B. (shown) ❖❖

23601-05A 4-3/8" Stroke.

Fits '06-later Dyna and '07-later Touring models. Works with Piston Kits P/N 21915-08A, 21914-08A, 21928-08A, 21916-08A, 22571-07A, 22575-07A, 22137-08A, 22141-08A, 22942-00, 22944-00, 22144-08A, 22143-08A. '03-'06 models require installation of Bearing Assembly P/N 24004-03B.

SCREAMIN' EAGLE PRO STROKER FLYWHEEL AND ROD ASSEMBLY – 4-5/8"

The flywheels and rods are manufactured from high strength forgings, fully-machined to their final shape and balanced for smooth operation. All EFI models require ECM calibration (priced separately).

24100004A 4-5/8" Stroke.

Fits '07-later Softail models. '07-'11 Softail models (except FXCW and FXCWC) require separate purchase of Screamin' Eagle® Big Twin Compensator P/N 40274-08A. ❖❖

23893-10A 4-5/8" Stroke.

Fits '06-later Dyna and '07-later Touring models. '06-'11 Dyna and '07-'10 Touring models require separate purchase of Screamin' Eagle Big Twin Compensator P/N 422000644. '03-'06 models require the installation of Bearing Assembly P/N 24004-03B. Does not fit Twin-Cooled™ models.

24100007 4-5/8" Stroke.

Fits '99-'05 Dyna and '99-'06 Touring models. '03-'06 models require the installation of Bearing Assembly P/N 24004-03B. ❖❖

24100011 4-5/8" Stroke.

Fits '00-'06 Softail models. '03-'06 models require the installation of Bearing Assembly P/N 24004-03B. ❖❖

B. SCREAMIN' EAGLE PRO STROKER FLYWHEEL AND ROD ASSEMBLY – 4-3/8"

This 4-3/8" stroker flywheel assembly can be combined with 3-7/8" cylinders and pistons to produce 1690cc (103") displacement, 4.00" cylinders and pistons for 1800cc (110") or with 4.060" cylinders and pistons for 1856cc (113") displacement. All EFI models require ECM calibration (priced separately).

23728-07A 4-3/8" Stroke.

Fits '99-'05 Dyna and '99-'06 Touring models. ❖❖

23727-07A 4-3/8" Stroke.

Fits '00-'06 Softail models. ❖❖

23729-07B 4-3/8" Stroke.

Fits '06 Dyna models. Stock on '07-later Dyna and Touring Twin Cam 96™ models.



A. SCREAMIN' EAGLE PRO STROKER FLYWHEEL AND ROD ASSEMBLY



B. SCREAMIN' EAGLE PRO STROKER FLYWHEEL AND ROD ASSEMBLY



C. SCREAMIN' EAGLE PRO CRANKCASE SET – ALPHA



C. SCREAMIN' EAGLE PRO CRANKCASE SET – BETA



D. CRATE ENGINE SHORTBLOCK ASSEMBLY – BLACK 96CI/103CI

C. SCREAMIN' EAGLE® PRO CRANKCASE SET

These Screamin' Eagle® Twin Cam crankcases are precisely machined with the larger cylinder bores required to accept 4.060" cylinders and can be used to build 113CI and 120CI motors. The Crankcase is pre-assembled with Screamin' Eagle Piston Oil Jets designed to accommodate a 4-3/8" or 4-5/8" Stroker Crank Assembly and features factory-installed high-capacity Lefty main bearing, right side bearing and Screamin' Eagle high-performance cam bearings. Includes Manufacturers Statement of Origin (MSO-Domestic only).

For race application only.

24601-10B

Fits '06-later Dyna® and '07-later Touring models. Does not fit Twin-Cooled™ models.

24400001A

Fits '07-later Softail® models.

24400031

Fits '99-'05 Dyna and '99-'06 Touring models.

24400033

Fits '00-'06 Softail models.

D. CRATE ENGINE SHORTBLOCK ASSEMBLY

The perfect starting point for building the engine of your dreams. Engine shortblocks are manufactured and assembled on Harley-Davidson's main engine assembly line for exceptional quality and reliability. Shortblock cases, flywheels, bearings and rods are pre-assembled and ready for your custom build. Kit includes current spec Original Equipment cam plate, oil pump, cam drive components and the gaskets, seals and most of the hardware required to complete the engine and install it (not all components shown). You select your cylinders, heads, cams, covers and other top-end components. Choose one of the Screamin' Eagle Stage kits to incorporate reliable performance and pick from our decorative engine covers to customize the look. Shortblock Assemblies are stamped with a new VIN number and include MSO (Manufacturers Statement of Origin). The MSO is for Domestic only. Kits ship directly from the factory within 3-5 days.

16200070 Black 96CI/103CI.

Fits '07-later Dyna, Touring and Trike models (except CVO™).

16200071 Black 96CI/103CI.

Fits '07-later Softail models (except FLSS, FLSTFBS and CVO).

E. SCREAMIN' EAGLE PISTON OIL JET ASSEMBLY

This unique oil jet is designed to provide additional piston skirt clearance when used with flywheels featuring a stroke longer than the 4-3/8" Original Equipment configuration. This oil jet will provide appropriate clearance for flywheels with stroke up to 4-5/8" when used with Screamin' Eagle pistons. Two required.

22315-06A

Fits '99-later Dyna, '00-later Softail and '99-later Touring models.



E. SCREAMIN' EAGLE PISTON OIL JET ASSEMBLY

82 ENGINE COMPONENTS

Cylinder Heads – Twin Cam

A. SCREAMIN' EAGLE® PRO HURRICANE CNC OVAL PORTED CYLINDER HEADS*

Engineered to maximize the track performance potential of the SE120R race-engine, these Hurricane Cylinder Heads are ready to complete your Race Xtreme conversion. These black-highlighted cylinder heads have been meticulously CNC-machined for efficient air flow and the machined raised oval intake ports allow a straighter shot into the combustion chamber. The heads feature large 2.175" intake and 1.635" exhaust valves that are held in check with a set of Screamin' Eagle® Race Valve Springs with Titanium upper collars that allow use of cams with up to .660" valve lift. All EFI models require ECM calibration (priced separately). **For race application only.**

17799-11 Black Highlighted.

Fits '06-later Twin-Cam engines equipped with Oval Port High-Flow Intake Manifold P/N 27082-10 or 27300035. Does not fit Twin-Cooled™ models.

B. SCREAMIN' EAGLE PRO MAXIMUM VELOCITY AREA (MVA) CYLINDER HEADS – CNC PORTED*

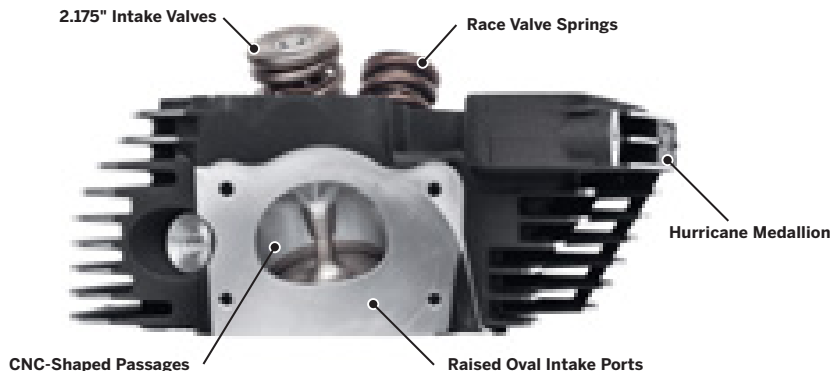
The most advanced Twin Cam performance cylinder head design available. Screamin' Eagle CNC Ported Maximum Velocity Area (MVA) cylinder heads create power across the entire RPM range by maximizing velocity through the intake ports. Increased air speed velocity through the ports is achieved by "right sizing" port volume at 98cc, lowering the port roof, and by precision-machining the shape of the port to complement the giant 2.120" intake valves. Screamin' Eagle CNC-Ported MVA Cylinder Heads conquer a unique engineering challenge and provide the highest possible torque and acceleration at any RPM. MVA Heads will boost the punch of a 103" engine. When paired with high lift cams, MVA Heads can give a 110" or 113" motor everything it needs to achieve new levels of performance. Countless hours of dyno testing resulted in a 95cc combustion chamber that performs in perfect balance with the port size and shape and reduced detonation. MVA Heads feature Screamin' Eagle Race Springs that permit the use of high lift cams (up to .660") and are machined to accept automatic compression releases (sold separately) for easier starting. MVA Heads are manufactured and assembled at Harley-Davidson's world class engine factory in Milwaukee, ensuring every set is made to exact tolerances. All EFI Models require ECM calibration (priced separately). **For race applications only.**

16925-11 Black Highlighted.

Fits '99-later Twin Cam equipped models (except Twin-Cooled models). '99-'05 models require separate purchase of (2) Intake Seal Flanges P/N 26993-06.

NOTICE: Screamin' Eagle Adjustable or Perfect Fit Pushrods are required for installation.

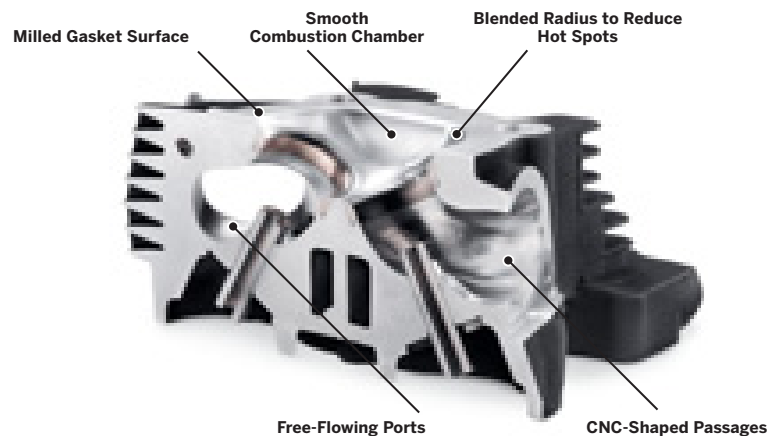
*NOTE: See matrix on page 84 for recommended cylinder head/piston combination.



A. SCREAMIN' EAGLE PRO HURRICANE CNC OVAL PORTED CYLINDER HEADS – BLACK HIGHLIGHTED



B. SCREAMIN' EAGLE PRO MAXIMUM VELOCITY AREA (MVA) CYLINDER HEADS – CNC PORTED

C. SCREAMIN' EAGLE® PRO CNC PORTED FACTORY HEADS WITH VALVE UPGRADE**C. SCREAMIN' EAGLE PRO CNC PORTED FACTORY CYLINDER HEADS WITH VALVE UPGRADE**

A cost-effective alternative for upgrading the performance of your bike. The intake and exhaust ports are meticulously machined to smooth the surfaces, enhancing the flow characteristics of air and fuel to provide enhanced performance. But it doesn't stop there; oversized (1.875") stainless steel intake valves and stock (1.575") stainless steel exhaust valves rest in reshaped valve seats that improve flow rates. The combustion chambers have been machined to smooth the surface and feature a blended radius on the bathtub's edge to reduce detonation by eliminating hot spots and promoting improved combustion. The head gasket surface has been milled to maintain stock combustion chamber volume, which results in stock compression when used with Original Equipment pistons. Compression can be increased with the installation of matched Screamin' Eagle® high compression pistons. Heads are assembled with high performance valve springs that support cams with lift up to .585". Heads are machined and threaded to simplify installation of Automatic Compression Release (sold separately). All EFI models require ECM calibration (priced separately). **For race application only.**

16500208 Complete Head Kit.
Fits '14-later FLHTCU, FLHTCUL, FLHTK, FLHTKL and FLTRU models equipped with Twin-Cooled™ engines.

16500013A Complete Head Kit.
Fits '99-later Twin Cam-equipped models (except Twin-Cooled models). '99-'05 models require separate purchase of (2) Intake Flanges P/N 26993-06.

Also available:

CNC PORTING AND VALVE UPGRADE SERVICE FOR FACTORY CYLINDER HEADS

A cost-effective alternative to purchasing complete heads. Your new take-off Original Equipment heads are returned, and are completely re-machined and equipped with updated valves and springs to match the specifications and performance of the Screamin' Eagle Pro CNC Ported Head Kit. Porting service is designed for new heads removed from new bikes with less than 3,500 miles. This is not a refurbish or core exchange program. The heads that are supplied will be reworked and returned. Valve seats are multi-angle recut on intake and single angle on exhaust. Heads retain stock valve guides and valve guides are not rebuilt or replaced. See your dealer for complete program details. US Dealers Only.

For race application only.

16500259 Porting Service.
Available for '14-later FLHTCU, FLHTCUL, FLHTK, FLHTKL and FLTRU models equipped with Twin-Cooled engines.

16500067 Porting Service.
Available for '06-later Twin Cam models (except FLSS, FLSTFBS and Twin-Cooled models) or '99-'05 models equipped with '06-later style cylinder heads.

D. SCREAMIN' EAGLE PRO KOMPRESSOR CYLINDER HEADS*

A cost-effective alternative for upgrading the performance over your Original Equipment heads. These heads are designed to provide enhanced performance results by increasing compression and are assembled with high-performance valve springs that support cams up to .585" lift. Heads produce 10.5:1 compression ratio when paired with Original Equipment pistons. Heads are machined for optional Automatic Compression Release (ACR). All EFI models require ECM recalibration (priced separately). **For race application only.**

17044-08A Black Highlighted.
Fits '99-later Twin Cam equipped models (except Twin-Cooled models). '99-'05 models require separate purchase of (2) Intake Seal Flanges P/N 26993-06. '06-later models reuse Original Equipment Intake Seal Flanges.

**D. SCREAMIN' EAGLE PRO KOMPRESSOR CYLINDER HEADS****Screamin' Eagle Cylinder Head Type**

	Hurricane	MVA	CNC Factory	Kompressor/OE
Lift (in.)	SCFM	SCFM	SCFM	SCFM
0	0	0	0	0
0.1	60	65	66	61
0.2	134	134	124	121
0.3	202	194	200	174
0.4	265	246	244	192
0.5	313	279	256	197
0.55	328	284	254	199
0.6	336	290	—	—
0.65	345	295	—	—

INTAKE PORT FLOW AS A FUNCTION OF VALVE LIFT

NOTICE: Screamin' Eagle Adjustable or Perfect Fit Pushrods are required for installation.

84 ENGINE COMPONENTS

Pistons – Twin Cam

A. SCREAMIN' EAGLE® PRO HIGH COMPRESSION PISTONS – TWIN-COOLED™ HEADS*

Designed for use with the unique combustion chamber of the Original Equipment or Factory CNC-Ported Heads for Twin-Cooled™ 103CI models, these pistons deliver impressive performance gains. The liquid-cooled exhaust valves reduce the chance of detonation and allow the engine to take advantage of higher compression ratios. Forged from high-strength aluminum, these 10.75:1 (Original Equipment) or 11.0:1 (CNC Ported) ratio pistons feature nickel-plated surfaces for enhanced durability and special coated skirting for improved wear-resistance. These pistons include Titanium SST rings to withstand the stresses seen in racing. Complete kit includes pistons, rings, wrist pins and clips. All EFI models require ECM calibration (priced separately). **For race application only.**

Fits '14-later FLHTCU, FLHTCUL, FLHTK, FLHTKL, FLTRU and FLHTCUTG models with 103CI Twin-Cooled engines.

27000007	3.875" (Standard Bore).
27000009	3.875" Bore (+0.010 o/s).



A. SCREAMIN' EAGLE PRO HIGH COMPRESSION PISTONS – TWIN-COOLED HEADS

Cylinder Head/Piston Combination Compression Ratio Chart					
Displacement	Piston Type	Original Equipment and CNC-Ported Factory Cylinder Heads	Kompressor Heads	CVO Stock Head and CNC Ported MVA	Hurricane Heads
95CI	SE Cast Big Bore Flat-Top Pistons P/N 22851-99A	9.4:1	10:1	N.A.	N.A.
	SE Cast High-Compression Pistons for stock TC 88® heads only P/N 22661-99A	10.25:1	N.A.	N.A.	N.A.
	SE Forged High-Compression Pistons P/N 22868-00A	9.6:1	10.5:1	N.A.	N.A.
96CI	Original Equipment	9.2:1	10.3:1	N.A.	N.A.
103CI	SE Cast Flat-Top Stroker Pistons P/N 21966-07	10:1	10.5:1	N.A.	N.A.
	SE Forged Flat-Top Stroker Pistons P/N 22942-00A	10:1	10.5:1	9:1	N.A.
	SE Forged High-Compression Pistons for stock TC 96™ heads or Kompressor Heads P/N 22144-08B	10.5:1	11:1	N.A.	N.A.
	SE Forged Stroker Pistons for CVO™ 110 or CNC Ported MVA Heads P/N 22137-08B	N.A.	N.A.	10.5:1	N.A.
	SE Forged Race High-Compression Pistons for CVO 110 or CNC Ported MVA Heads P/N 21928-08A	N.A.	N.A.	11.1	N.A.
	SE High Compression Pistons – Twin-Cooled P/N 27000007	11.25:1	N.A.	N.A.	N.A.
110CI	Original Equipment (CVO)	N.A.	N.A.	9.3:1	N.A.
	SE Forged High-Compression Pistons for CVO 110 or CNC Ported MVA Heads P/N 22502-07	N.A.	N.A.	10.5:1	N.A.
113CI	SE Forged High-Compression Pistons for CVO 110 or CNC Ported MVA Heads P/N 22571-07B	N.A.	N.A.	10.5:1	N.A.
	SE Forged Race High-Compression Pistons for CVO 110 or CNC Ported MVA Heads P/N 21915-08A	N.A.	N.A.	11.1	N.A.
120CI	SE Pro Twin Cam Forged Piston Kit for 4-5/8" Stroke P/N 22574-10	N.A.	N.A.	10.5:1	10.5:1
	SE Pro Twin Cam Forged Piston Kit for 4-5/8" Stroke P/N 21900001	N.A.	N.A.	12:1	12:1

"N.A." denotes not applicable – these combinations are not recommended.

Displacement Calculation:

$\pi \times r^2 \times \text{stroke} \times 2 \text{ cylinders}$
Where $\pi = 3.14$, and $r = (\text{bore diameter}/2)$

NOTE: High-Compression Piston applications require installation of appropriate compression release in cylinder heads.



B. SCREAMIN' EAGLE PRO TWIN CAM FORGED 12:1 COMPRESSION PISTON KIT*



C. SCREAMIN' EAGLE PRO TWIN CAM FORGED 11.1:1 COMPRESSION PISTON KIT FOR MVA, 110+ OR ACR PERFORMANCE CYLINDER HEADS – 4.060" AND 3-7/8"



D. SCREAMIN' EAGLE PRO TWIN CAM FORGED 10.5:1 COMPRESSION PISTON KIT FOR MVA, 110+ OR ACR PERFORMANCE CYLINDER HEADS – 4.060" AND 3-7/8"

*NOTE: See matrix on page 84 for recommended cylinder head/piston combinations.

*Recalibration is required for proper installation. See Dealer for details. Labor cost not included.

*NOTICE: Always check piston-to-valve clearance with modified dome pistons and non-stock cam shafts.

NOTE: High-Compression Piston applications require installation of appropriate compression release in cylinder heads.



B. SCREAMIN' EAGLE® PRO TWIN CAM FORGED 12:1 COMPRESSION PISTON KIT*

These race-only ultra-high-compression pistons squeeze every bit of power out of the 120R engine. Forged from high-strength aluminum, these 12.0:1 compression pistons feature nickel-plated surfaces for enhanced durability, and a special Teflon® coating for improved wear resistance required in racing applications. These pistons include state-of-the-art Titanium SST rings to withstand the stresses seen in racing. Designed to work with the 4-5/8" Stroker Flywheel only, this complete kit includes pistons, rings, wrist pins and clips. All EFI models require ECM calibration (priced separately). **For race application only.**

Fits '06-later Dyna®, '07-later Softail® (except FLSS and FLSTFBS) and Touring models equipped with 4.060" cylinders and 4-5/8" Stroker Flywheels. Does not fit Twin-Cooled™ models.

21900001 4.060" (Standard Bore).

21900002 4.060" (+.010 o/s).

C. SCREAMIN' EAGLE PRO TWIN CAM FORGED 11.1:1 COMPRESSION PISTON KIT FOR MVA, 110+ OR ACR PERFORMANCE CYLINDER HEADS – 4.060" & 3-7/8"

These 11.1:1 High-Compression Pistons are forged from light-weight aluminum for maximum strength. The piston top dome is designed to match specifically with the combustion chamber to provide additional performance over other piston designs. Pistons are electroless-nickel coated for increased durability and the piston skirts feature a unique black coating for improved wear-resistance, better fit and reduced noise. Complete kit includes pistons, rings, wrist pins and clips. All EFI models require ECM calibration (priced separately). **For race application only.**

Fits '99-later Twin Cam models equipped with 4.060" cylinders and Screamin' Eagle® MVA, 110+ or ACR Performance Cylinder Heads. '99-'06 models also require appropriate Screamin' Eagle 4-3/8" Stroker Flywheel and Rod Assembly. Does not fit FLSS, FLSTFBS, CVO™ or Twin-Cooled models.

21915-08A 4.060" Standard Bore, SST Rings.

21914-08A 4.060" Bore, +.010 o/s, SST Rings.

Fits '99-later Twin Cam models equipped with 3-7/8" cylinders and Screamin' Eagle MVA, 110+ or ACR Performance Cylinder Heads. '99-'06 models also require appropriate Screamin' Eagle 4-3/8" Stroker Flywheel and Rod Assembly. Does not fit Twin-Cooled or CVO models.

21928-08A 3-7/8" Standard Bore.

21916-08A 3-7/8" Bore, +.010 o/s, SST Rings.

D. SCREAMIN' EAGLE PRO TWIN CAM FORGED 10.5:1 COMPRESSION PISTON KIT FOR MVA, 110+ OR ACR PERFORMANCE CYLINDER HEADS – 4.060" & 3-7/8"

Made from high-strength forged aluminum, these high-compression big bore pistons are designed to match the combustion chamber of the Screamin' Eagle Pro MVA, 110+ and ACR Performance Cylinder Heads. The resulting compression ratio of 10.5:1 provides maximum power from this combination. Piston skirts feature a unique black coating for improved wear-resistance, better fit and reduced noise. Complete kit includes pistons, rings, wrist pins and clips. All EFI models require ECM calibration (priced separately). **For race application only.**

Fits '99-later Twin Cam models equipped with 4.060" cylinders and Screamin' Eagle MVA, 110+ or ACR Performance Cylinder Heads. '99-'06 models also require appropriate Screamin' Eagle 4-3/8" Stroker Flywheel and Rod Assembly. Does not fit FLSS, FLSTFBS, CVO or Twin-Cooled models.

22571-07B 4.060" Standard Bore, SST Rings.

22575-07B 4.060" Bore, +.010 o/s, SST Rings.

Fits '99-later Twin Cam models equipped with 3-7/8" cylinders and Screamin' Eagle MVA, 110+ or ACR Performance Cylinder Heads. '99-'06 models also require appropriate Screamin' Eagle 4-3/8" Stroker Flywheel and Rod Assembly. Does not fit FLSS, FLSTFBS or Twin-Cooled models.

22137-08B 3-7/8" Standard Bore, SST Rings.

22141-08B 3-7/8" Bore, +.010 o/s, SST Rings.

Fits '99-'06 Twin Cam models equipped with Original Equipment 4.0" stroke flywheel and rods, 3-7/8" cylinders and Screamin' Eagle MVA, 110+ or ACR Performance Cylinder Heads.

22109-08A 3-7/8" Bore, +.010 o/s.

86 ENGINE COMPONENTS

Pistons – Twin Cam

- A. SCREAMIN' EAGLE® PRO TWIN CAM FORGED HIGH-COMPRESSION PISTONS FOR MVA, CVO 110, ACR PERFORMANCE OR 110+ CYLINDER HEADS – 4.000"**
Bump torque and horsepower on your 110" Twin Cam power train with the addition of high-compression pistons. Developed for the 110" Race Kit, these pistons increase the compression ratio to 10.5:1. Forged from high-strength aluminum, the pistons are precision-machined, and feature coated skirts for a tight-tolerance fit and quieter operation. All EFI models require ECM calibration (priced separately). **For race application only.**

Fits '07-later Twin Cam models equipped with 4.000" cylinders and Screamin' Eagle® MVA, CVO™ 110, ACR Performance or 110+ Cylinder heads.

22502-07B 4.000" Standard Bore.

22503-07B 4.000" Bore, +.010 o/s.

- B. SCREAMIN' EAGLE PRO TWIN CAM FORGED PISTON KIT FOR 4-5/8" STROKE – 4.060"** ❖❖❖
Forged from high-strength aluminum, these 10.5 to 1 ratio pistons feature nickel-plated surfaces for enhanced durability and a special Teflon® coating for improved wear-resistance required for racing applications. These pistons include Titanium SST rings to withstand the stresses seen in racing. Complete kit includes pistons, rings, wrist pins and clips. All EFI models require ECM calibration (priced separately). **For race application only.**

Fits '06-later Dyna®, '07-later Softail® (except FLSS and FLSTFBS) and '07-later Touring models equipped with 4.060 cylinders, 4-5/8" Flywheel and Rod assembly, 110+ Cylinder Heads, MVA Cylinder Heads or ACR Performance Cylinder Heads. Does not fit Twin-Cooled™ models.

22574-10 4.060" Standard Bore.

22576-10 4.060" Bore, +.010 o/s.

- C. SCREAMIN' EAGLE PRO TWIN CAM FORGED FLAT-TOP STROKER PISTONS – 3-7/8"** ❖❖❖
Designed for use with 4-3/8" stroke engines, these 3-7/8" forged pistons can be combined with different heads depending on your horsepower and torque requirements. Kit includes pistons, rings, pins and clips. All EFI models require ECM calibration (priced separately). **For race application only.**

Fits '99-later Twin Cam models equipped with 3-7/8" cylinders. '99-'06 models also require Screamin' Eagle 4-3/8" Stroker Flywheel and Rod Assembly. Does not fit FLSS, FLSTFBS, CVO or Twin-Cooled models.

22942-00A 3-7/8" Standard Bore.

22944-00A 3-7/8" Bore, +.010" o/s.

- D. SCREAMIN' EAGLE PRO TWIN CAM HIGH-COMPRESSION FORGED PISTONS FOR STOCK CYLINDER HEADS – 3-7/8"** ❖❖❖
When combined with stock cylinder heads and 4-3/8" stroke flywheels, these forged 3-7/8" pistons boost the compression ratio of your 3-7/8" big bore cylinder set-up. The combination results in a compression ratio of 10.5:1. Piston skirts feature a unique black coating for improved wear-resistance, better fit and reduced noise. These pistons include Titanium SST rings to withstand the stresses seen in racing. Complete kit includes pistons, rings, wrist pins and clips. All EFI models require ECM calibration (priced separately). **For race application only.**

Fits '07-later Twin Cam models equipped with 3-7/8" cylinders and 4-3/8" stroke flywheels. Does not fit FLSS, FLSTFBS or Twin-Cooled models.

22144-08B 3-7/8" Standard Bore.

22143-08B 3-7/8" Bore, +.010 o/s.



A. SCREAMIN' EAGLE PRO TWIN CAM FORGED HIGH-COMPRESSION PISTONS FOR MVA, CVO 110, ACR PERFORMANCE OR 110+ CYLINDER HEADS – 4.000"



B. SCREAMIN' EAGLE PRO TWIN CAM FORGED PISTON KIT FOR 4-5/8" STROKE – 4.060"



C. SCREAMIN' EAGLE PRO TWIN CAM FORGED FLAT-TOP STROKER PISTONS – 3-7/8"



D. SCREAMIN' EAGLE PRO TWIN CAM HIGH-COMPRESSION FORGED PISTONS FOR STOCK CYLINDER HEADS – 3-7/8"

*NOTE: See matrix on page 84 for recommended cylinder head/piston combinations.

*Recalibration is required for proper installation. See Dealer for details. Labor cost not included.

*NOTICE: Always check piston-to-valve clearance with modified dome pistons and non-stock cam shafts.

NOTE: High-Compression Piston applications require installation of appropriate compression release in cylinder heads.



E. SCREAMIN' EAGLE® PRO TWIN CAM CAST FLAT TOP STROKER PISTONS – 3-7/8"

Flat-Top Cast Pistons are designed for use with 3-7/8" cylinders. Kit includes rings, clips and pins. All EFI models require ECM calibration (priced separately). **For race application only.**

Fits '07-later Twin Cam models (except FLSS and FLSTFBS) equipped with 3-7/8" cylinders.

21966-07 3-7/8" Standard Bore.

21968-07 3-7/8" Bore, +.010 o/s.

F. SCREAMIN' EAGLE PRO TWIN CAM HIGH-COMPRESSION FORGED PISTON KITS* – 3-7/8"

These pistons have been designed to be used with our Twin Cam Performance Heads and can also be used with stock cylinder heads. These pistons are forged for higher RPM capability than cast pistons and come complete with rings, wrist pins and clips. These pistons cannot be used in Stroker applications. All EFI models require ECM calibration (priced separately). **For race application only.**

Fits '99-'06 Twin Cam 1550 models equipped with 3-7/8" cylinders with 4 inch flywheel stroke.

22868-00A 3-7/8" Standard Bore.

22870-00A 3-7/8" Bore, +.010" o/s.

G. SCREAMIN' EAGLE PRO TWIN CAM HIGH-COMPRESSION CAST PISTON KITS* – 3-7/8"

These high-compression 10.25:1 cast pistons are designed for use in a Twin Cam engine equipped with stock cylinder heads and 3-7/8" cylinders (1550). Piston kit includes rings, clips and pins. All EFI models require ECM calibration (priced separately). **For race application only.**

Fits '99-'06 Twin Cam 1550 models equipped with 3-7/8" cylinders.

22661-99A 3-7/8" Standard Bore.

22179-99A 3-7/8" Bore, +.010" o/s.

NOTICE: Cast pistons should not be used when engine speed is expected to exceed 6200RPM. Failure to comply may result in engine damage.

H. SCREAMIN' EAGLE PRO TWIN CAM BIG BORE FLAT-TOP CAST PISTON KITS* – 3-7/8"

These Flat-Top Cast Pistons are designed for use with 3-7/8" Big Bore performance cylinders (1550). Kit includes rings, clips and pins. All EFI models require ECM calibration (priced separately). **For race application only.**

Fits '99-'06 Twin Cam 1550 models equipped with 3-7/8" cylinders.

22851-99A 3-7/8" Standard Bore.

22853-99A 3-7/8" Bore, +.010" o/s.

NOTICE: Cast pistons should not be used when engine speed is expected to exceed 6200RPM. Failure to comply may result in engine damage.

E. SCREAMIN' EAGLE PRO TWIN CAM CAST FLAT-TOP STROKER PISTONS – 3-7/8"**F. SCREAMIN' EAGLE PRO TWIN CAM HIGH-COMPRESSION FORGED PISTON KITS – 3-7/8"****G. SCREAMIN' EAGLE PRO TWIN CAM HIGH-COMPRESSION CAST PISTON KITS – 3-7/8"****H. SCREAMIN' EAGLE PRO TWIN CAM BIG BORE FLAT-TOP CAST PISTON KITS – 3-7/8"**

NOTE: High-Compression Piston applications require installation of appropriate compression release in cylinder heads.



*NOTE: See matrix on page 84 for recommended cylinder head/piston combinations.

*Recalibration is required for proper installation. See Dealer for details. Labor cost not included.

*NOTICE: Always check piston-to-valve clearance with modified dome pistons and non-stock cam shafts.

88 ENGINE COMPONENTS

Cams – Evolution® 1340

A. SCREAMIN' EAGLE® PRO EVOLUTION® 1340 CAMSHAFTS

Fits '84-'99 carbureted Evolution® 1340-equipped models. Some cams may also be used on EFI Evolution 1340-equipped models in conjunction with an approved ECM calibration. See your Dealer for details.

SE-4 CAM

Unique advanced profile design provides exceptional bolt-in power for heavy bikes. Broad torque band from 3000-5500 RPM. **For race application only.**

25752-97

SE-11 CAM

This is the next generation SE-1 bolt-in cam for lighter bikes. Advanced profile design creates power from 3500-6000 RPM. This is an awesome horsepower cam in a bolt-in disguise. Unless specified, not for use on EFI models. **For race application only.**

25753-97

Also available: (not shown):
SCREAMIN' EAGLE EVOLUTION 1340
INNER CAM BEARING

Adding a high-performance Inner Cam Bearing is a smart upgrade when installing high-lift cams in a race bike. This bearing provides increased load capacity and extends the engine life in extreme racing conditions. Kit includes single cam bearing.

9058A Fits Evolution 1340 models.



A. SCREAMIN' EAGLE PRO EVOLUTION 1340 CAMSHAFTS

SCREAMIN' EAGLE PRO EVOLUTION 1340 CAMSHAFT SPECS

Description	Part Number	Lift @ Valve Intake/Exhaust	Duration @.053 Intake/Exhaust	Timing @.053 Lift Open/Close	TDC Lift @ Valve Intake/Exhaust
SE-4	25752-97	.505"/.505"	235°/240°	Intake: 20° BTDC/36° ABDC Exhaust: 46° BBDC/14° ATDC	0.189"/.151"
SE-11	25753-97	.508"/.508"	246°/249°	Intake: 19° BTDC/47° ABDC Exhaust: 55° BBDC/14° ATDC	0.181"/.153"

Theoretical, based on rocker arm ratio of 1.65. Valve train components, operation temperature and tolerance stack-up will affect actual lifts.

***NOTE:** 1340 Cams over .510" lift may require case and/or tappet guide machining for cam lobe clearance. '84-'85 model's pistons may need to be fly-cut to obtain proper clearance. Please refer to instruction sheets and service manuals for more detail.

**B. SCREAMIN' EAGLE EVOLUTION 1340 CYLINDER HEADS****B. SCREAMIN' EAGLE® EVOLUTION® 1340 CYLINDER HEADS**

Built at the factory for unparalleled quality. The redesigned combustion chamber, optimized for flow and efficiency, works with stock or High-Compression Forged Piston Kits. Heads come with larger than stock 1.898" intake valves and 1.623" exhaust valves. Valve Spring Kit P/N 18209-06 is used and can accommodate .585" valve lift. At 72cc, this equates to a 9.5:1 compression ratio with stock pistons. Use of 12mm spark plugs required. Use of Screamin' Eagle® Spark Plugs P/N 32320-91 when flat-top pistons are used or P/N 32321-91 with high-compression pistons is recommended. 50-state street compliant for '93-'99 models when used with Original Equipment pistons, air cleaner, cam, exhaust and ignition. '84-'92 models require Threaded Cylinder Head Inserts P/N 29304-92.

16854-98A Black Highlighted.

Fits '84-'99 carbureted Evolution® 1340-equipped models. May also be used on '95-'99 EFI Evolution 1340-equipped models in conjunction with an approved ECM calibration. See your Dealer for details.

NOTICE: Screamin' Eagle Adjustable Pushrods are required for installation. Failure to comply may result in engine damage.

C. SCREAMIN' EAGLE PRO HIGH-COMPRESSION FORGED PISTON KITS FOR SE EVOLUTION 1340 HEAD-EQUIPPED MODELS*

These 10.5:1 forged pistons, when used with Screamin' Eagle 1340 Cylinder Heads, are designed to produce high-compression ratios for full race applications. Kits include pins, clips and rings. **For race application only.**

22767-98 +.010" o/s.

For use only with Screamin' Eagle Performance Cylinder Heads '84-'99 Evolution 1340-equipped carbureted models. (Not for use with stock Evolution 1340 Cylinder Heads.)

D. SCREAMIN' EAGLE PRO EVOLUTION 1340 HIGH-COMPRESSION CAST PISTON KITS*

These high-compression 10.0:1 cast pistons are designed for use with stock Evolution 1340 Cylinder Heads. These are the value option for increased compression in the 1340 engine with stock heads. Kits include pins, clips and rings. **For race application only.**

22193-98 +.010" o/s.

Fits '84-'99 Evolution 1340-equipped engines with stock cylinder heads.

E. SCREAMIN' EAGLE HIGH-PERFORMANCE TOP-END GASKET KIT

Rebuild your top-end for performance and improved reliability. This kit features specially designed multi-layered steel head gaskets and includes all the additional Original Equipment gaskets required to do the job. Kit can be used for all stock compression engines or can be used on Evolution 1340 high-compression applications when installed with the "High Tensile" Evolution Cylinder Stud Kit (P/N 16503-01).

17046-98

Fits '84-'99 Evolution 1340-equipped models.

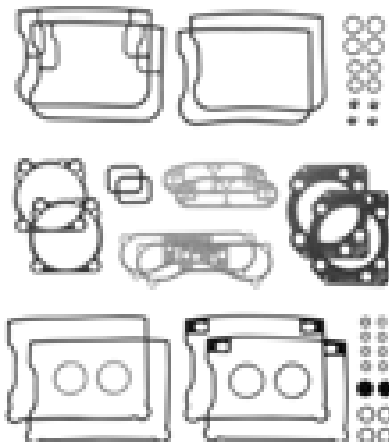
F. SCREAMIN' EAGLE HIGH-PERFORMANCE HEAD GASKET KIT

This kit contains a pair of specially designed laminated steel head gaskets for improved sealing in higher-performance engines. Can be used on stock compression engines or on Evolution 1340 high-compression applications (over 10:1) when installed with "High Tensile" Evolution Cylinder Stud Kit (P/N 16503-01 or 17004-01).

17056-01

Fits Evolution 1340-equipped models and XL1200 models.

***NOTICE:** Screamin' Eagle pistons are not designed for use with milled heads. Evolution 1340 cast pistons should not be used when engine speed is expected to exceed 6000 RPM. Failure to comply may cause engine damage.

**C. SCREAMIN' EAGLE PRO HIGH-COMPRESSION FORGED PISTON KITS FOR SE EVOLUTION 1340 HEAD-EQUIPPED MODELS****D. SCREAMIN' EAGLE PRO EVOLUTION 1340 HIGH-COMPRESSION CAST PISTON KITS****E. SCREAMIN' EAGLE HIGH-PERFORMANCE TOP-END GASKET KIT****F. SCREAMIN' EAGLE HIGH-PERFORMANCE HEAD GASKET KIT**

90 ENGINE COMPONENTS

Cylinders & Cams – Sportster®

A. SPORTSTER® XL1200CC CYLINDERS

Except for relieving the combustion chamber on stock 883 cylinder heads, for correct compression ratio, these cylinders make the conversion to 1200cc a bolt-on operation. No cylinder head machining required when used with Screamin' Eagle® Cylinder Heads or 883/1200 Conversion Piston Kit. (Cylinders are sold separately. Two are required for the conversion.) All EFI models require ECM calibration (priced separately). **For race application only.**

- Fits '04-later XL883 when upgraded with XL1200 pistons.

16954-02A Silver.
- Fits '86-'03 XL883/1100 when upgraded with XL1200 pistons.

16871-99Y Black, Non-Highlighted.
- 16554-92A Silver.

B. SCREAMIN' EAGLE® PERFORMANCE II CAM KIT– SPORTSTER

The high-lift “Full Throttle” cam kit provides significant horsepower gains when coupled with high-flowing exhaust and intake components, and is a great fit for full-throttle horsepower junkies. **For race application only.**

25400125
Fits '92-later XL1200 models. '07-later models require installation of Performance Cylinder Heads P/N 16500074 or 16500347, or upgrade of Original Equipment heads with Performance Valve Spring Kit P/N 18344-05. '92-'06 models require installation of Performance Cylinder Heads P/N 16500164 or upgrade of Original Equipment heads with model-specific Performance Valve Springs. '92-'96 models also require separate purchase of Pinion Gear Drive P/N 24047-00.

SCREAMIN' EAGLE PRO SPORTSTER HIGH-OUTPUT CAM KIT

Achieve solid horsepower gains at high RPM. This High-Output Cam Kit is designed to work with compression ratios up to 10.5:1 when used with Screamin' Eagle Pro CNC Ported Sportster factory cylinder heads and High-Compression Piston Kit P/N 22711-04A. Rev limit: 7000 RPM. All EFI models require ECM calibration (priced separately). **For race application only.**

25740-05
Fits '92-later XL1200 models. '07-later models require additional purchase of Screamin' Eagle Pro CNC Ported Factory Cylinder Heads P/N 16500074 or 16500347. '92-'06 models require additional purchase of Screamin' Eagle Pro CNC Ported Factory Cylinder Heads P/N 16500164. '92-'99 models require additional purchase of Pinion Gear P/N 24047-00.

SCREAMIN' EAGLE PRO XL PERFORMANCE CAMS

This high-performance cam features bolt-in installation ('04-later only) with increased lift and duration over the stock cams. This cam is best suited for high horsepower and high RPM applications, and the .551" lift improves peak horsepower above 4,500 RPM. All EFI models require ECM calibration (priced separately). **For race application only.**

25197-04
Fits '92-later XL1200 models. Fits '04-later models with Original Equipment or Pro CNC Ported Factory Cylinder Heads. '92-'03 models require additional purchase of Screamin' Eagle Pro CNC Ported Factory Cylinder Heads P/N 16500164. '92-'99 models require additional purchase of Pinion Gear P/N 24047-00.

SCREAMIN' EAGLE PRO HIGH-PERFORMANCE XL CAMS

Engineered for use with hydraulic lifters, providing increased horsepower and torque, quick-revving responsiveness and a broad power band from 2000-6500 RPM. Offers higher lift and longer duration than bolt-in Cams (P/N 25628-89). Some engine machining may be required for proper fitment. See instruction sheets for details. **For race application only.**

25649-01A
Fits '92-later XL1200 models. Fits '04-later models with Original Equipment or Pro CNC Ported Factory Cylinder Heads. '92-'03 models require additional purchase of Screamin' Eagle Pro CNC Ported Factory Cylinder Heads P/N 16500164. '92-'99 models require additional purchase of Pinion Gear P/N 24047-00.

NOTE: It is recommended that older models should have valve springs replaced over time as valve springs lose their tension over time and lose their ability to support appropriate valve spring tension especially when used at higher RPM's.



A. SPORTSTER XL1200CC CYLINDERS



B. SCREAMIN' EAGLE PRO SPORTSTER CAM KITS

SCREAMIN' EAGLE PRO XL CAMSHAFT SPECS

Description	Part Number	Lift @ Valve Intake/Exhaust	Duration @ .053 Intake/Exhaust	Timing @.053 Lift Open/Close		TDC Lift @ Valve Int/Exh
				Intake:	Exhaust:	
Stock	'07-later XL models	.480"/.481"	215°/230°	10° BTDC/25° ABDC	38° BBDC/12° ATDC	.133"/.138"
Performance II '92-later	25400125	.585"/.585"	236°/261°	11° BTDC/45° ABDC	60° BBDC/21° ATDC	.140"/.188"
High Output	25740-05	.575"/.575"	260°/266°	28° BTDC/52° ABDC	57° BBDC/29° ATDC	.228"/.221"
Performance	25197-04	.551"/.551"	249°/249°	25° BTDC/44° ABDC	59° BBDC/10° ATDC	.197"/.122"
High-Performance (5 speed) '00-later	25649-01A	.536"/.536"	256°/266°	26° BTDC/50° ABDC	55° BBDC/30° ATDC	.209"/.236"

Theoretical, based on rocker arm ratio of 1.65. Valve train components, operation temperature and tolerance stack-up will affect actual lifts.

NEW



C. SCREAMIN' EAGLE PRO CNC PORTED FACTORY CYLINDER HEADS – SPORTSTER

C. SCREAMIN' EAGLE® PRO CNC PORTED FACTORY CYLINDER HEADS – SPORTSTER®

CNC Ported Heads offer a cost-effective approach to upgrading the performance of your motorcycle. The intake and exhaust ports are meticulously machined for smooth surfaces, improving the flow characteristics of air and fuel in order to provide enhanced performance. But it doesn't end there; the proven stock valves rest in reshaped valve seats to further improve flow rates. The combustion chambers have been machined for smooth surfaces and feature a blended radius on the bathtub edge to reduce detonation by eliminating hot spots and promoting improved combustion. The head gasket surface has been milled to maintain stock combustion chamber volume (59.9cc), which results in stock compression when used with Original Equipment pistons. Compression can be increased with the installation of Screamin' Eagle® high-compression pistons. Heads are assembled with Original Equipment valves and high-performance valve springs that support cams with lift up to .585". All EFI models require ECM calibration (priced separately). **For race application only.**

16500074 Black Non-Highlighted.
Fits '07-later XL1200 models. Requires installation of Perfect Fit Pushrod Kit (-.050) P/N 18424-06.

16500347 Black Highlighted.
Fits '07-later XL1200 models. Requires installation of Perfect Fit Pushrod Kit (-.050) P/N 18424-06 with Original Equipment cams.

16500164 Black Highlighted.
Fits '92-'06 XL1200 models (except '98-'03 XL1200S). Requires installation of Perfect Fit Pushrod Kit (-.050") P/N 18424-06.

Also available:

CNC PORTING AND VALVE UPGRADE SERVICE FOR FACTORY CYLINDER HEADS

A cost-effective alternative to purchasing complete heads. Your new take-off Original Equipment heads are returned to the factory, and are completely re-machined and equipped with updated valves and springs to match the specifications and performance of the Screamin' Eagle Pro CNC Ported Head Kit P/N 16500074. **For race application only.**

16500075 XL Head Porting Service.
Available for '07-later XL1200 Cylinder Heads only. Porting Service is designed for new heads removed from new bikes with less than 3,500 miles. This is not a refurbish or core-exchange program – the heads that are supplied will be reworked and returned. See your Dealer for complete program details. US Dealers Only.

D. SCREAMIN' EAGLE PRO XL1200 FORGED HIGH-COMPRESSION PISTON KIT

Designed to develop a 10.5:1 compression ratio when combined with stock heads or when combined with Screamin' Eagle Performance Heads. These forged pistons have been plated with electroless-nickel for maximum durability in high-performance applications. Kit includes a pair of pistons, wrist pins, rings and circlips. All EFI models require ECM calibration (priced separately). **For race application only.**

22711-04A Standard Bore.
Fits '04-later XL1200 models with Original Equipment cylinder heads and '07-later XL1200 models with Screamin' Eagle Cylinder Heads P/N 16500074 or 16500347. Also Fits '92-'06 XL1200 models with Screamin' Eagle Cylinder Heads P/N 16500164.

E. SCREAMIN' EAGLE PRO FORGED HIGH-COMPRESSION XL883 TO 1200 CONVERSION PISTON KIT

Convert your XL883 to a full 1200cc with this Piston Kit. These forged pistons have a redesigned "dished" top that has been optimized for use with stock 883 heads. Compression ratio is increased to 10:1 and works great with Screamin' Eagle cams. Kit includes pistons, rings, pins and circlips. All EFI models require ECM calibration (priced separately). **For race application only.**

Fits '86-later XL883 models with stock heads. Requires separate purchase of 1200cc cylinders and gaskets.

22698-01A Standard Bore.
22700-01A +.010" o/s.



C. SCREAMIN' EAGLE PRO CNC PORTED FACTORY CYLINDER HEADS – SPORTSTER



D. SCREAMIN' EAGLE PRO XL1200 FORGED HIGH-COMPRESSION PISTON KIT



E. SCREAMIN' EAGLE PRO FORGED HIGH-COMPRESSION XL883 TO 1200 CONVERSION PISTON KIT

92 ENGINE COMPONENTS

Cam Plate & Oil Pump – Twin Cam

A. SCREAMIN' EAGLE® HYDRAULIC CAM CHAIN TENSIONER AND HIGH-FLOW OIL PUMP UPGRADE KIT

This kit updates the cam chain tensioner of your Twin Cam 88® engine to the latest design, as featured on the Twin Cam 96™ engine. The billet cam support plate has been designed to allow the installation of the Twin Cam 96 hydraulic cam chain tensioner to Twin Cam 88-equipped models. These Hydraulic Cam Chain Tensioners will significantly outlast the spring loaded tensioners and are an ideal addition to an engine modified for improved performance. In addition, '02-'06 models utilize a Twin Cam 96 single row front roller chain and sprocket (included in kit). '99-'01 models use Original Equipment front silent chain and sprocket to retain the cam position sensor function. The kit includes an improved Screamin' Eagle® High-Flow Oil Pump that provides increased oil pressure at high-operating temperatures. This kit increases the oil supply by 23% and scavenging by 50% when compared to the '99-'05 Original Equipment oil pump and reduces operating temperature of bearings to improve bearing life.

25284-11

Fits '99-'05 Dyna®, '00-'06 Softail® and '99-'06 Touring models. Installation requires separate purchase of Spacer Kit P/N 25285-08, Cam Service Kit P/N 17045-99D and Drive Gear Retention Kit P/N 25566-06.

Also available:

SCREAMIN' EAGLE CAM CHAIN TENSIONER SPACER KIT

Specifically designed for Hydraulic Cam Chain Tensioner Upgrade Kit P/N 25284-11. Kit includes an assortment of six different spacers. Spacers are required to space the cam sprocket to correct alignment with the mating pinion chain sprocket.

25285-08

Required for installation of Screamin' Eagle Hydraulic Cam Chain Tensioner Upgrade Kit P/N 25284-11.

B. SCREAMIN' EAGLE BILLET CAM SUPPORT PLATE WITH HIGH VOLUME OIL PUMP

A great upgrade for any performance motor. The Billet Cam Support Plate is manufactured from billet aluminum with pressed-in bronze bushings and is pre-assembled with the crankshaft bushing and oil pressure relief valve. Aluminum is specified at 6061 billet plate, heat treated to T6 specifications with a surface-hardened anodized finish to provide superior strength, rigidity and durability. CNC-precision machining ensures precise dimensions and constant material thickness across the plate, enabling perfect alignment of cams and chains. Cam bushings are made from 660 bronze materials to provide enhanced wear resistance and to stand up to increased loads from the high lift cams common in large displacement motors. The improved Screamin' Eagle high-flow oil pump provides higher pressure when the oil is hot to keep pressure drops to a minimum and increases the oil supply by 16% and the scavenging by 29% over the '06-later Original Equipment oil pump.

25282-11

Fits '06-later Dyna and '07-later Softail, Touring and Trike models. Installation requires separate purchase of Cam Service Kit P/N 17045-99D and Drive Gear Retention Kit P/N 25566-06.

C. SCREAMIN' EAGLE HIGH-PERFORMANCE INNER CAM BEARINGS

High-performance Inner Cam Bearings are a smart upgrade when installing high-lift cams in a race bike. These bearings provide increased load capacity and extend the engine life in extreme racing conditions. Kit includes two bearings required to complete one Twin Cam engine.

24017-10

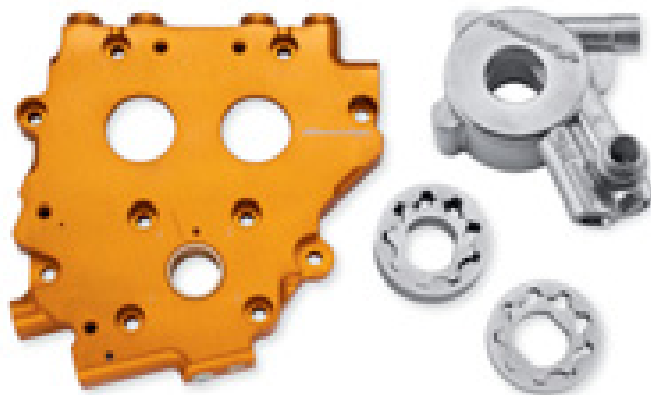
Fits '99-'05 Dyna, '00-'06 Softail and '99-'06 Touring models.

24018-10

Fits '06-later Dyna and '07-later Softail and Touring models.



A. SCREAMIN' EAGLE HYDRAULIC CAM CHAIN TENSIONER AND HIGH-FLOW OIL PUMP UPGRADE KIT



B. SCREAMIN' EAGLE BILLET CAM SUPPORT PLATE WITH HIGH VOLUME OIL PUMP



New Pump Rotor

Original Pump Rotor

HIGH VOLUME OIL PUMP COMPARISON



C. SCREAMIN' EAGLE HIGH-PERFORMANCE INNER CAM BEARINGS

D. SCREAMIN' EAGLE® HIGH CAPACITY OIL PAN

Keep your engine running cooler by increasing your Touring bike's oil capacity. A great addition to a high-performance motor or for the rider that tours in extreme temperature conditions, the Screamin' Eagle® cast-aluminum oil pan is designed to increase the oil capacity by 1.5 quarts over the Original Equipment pan. Increased capacity means the oil cycles through the engine less frequently and the oil can remain in the pan for a longer period of time. The cast-in internal baffles manage the flow to the oil pickup and keep the hot oil exposed to the heat-conducting ribbed aluminum sump. Kit includes cast aluminum oil pan and pan gasket.

24400099

Fits '09-later Touring models. Does not fit with Oil Temperature Gauge – Fairing Mount P/N 70900284, 70900283, 70900176 and 70900193. Does not fit Trike models.

E. SCREAMIN' EAGLE LEFTY BEARING

When high-performance engine modifications are made, the increased torque is transferred via the crankshaft to the drive system, putting a significantly higher load on the bearing. The Lefty Bearing is case hardened on the inner and outer race to provide increased load capacity and enhanced durability in high-torque applications. The bearing is installed in the left side of the crank case and supports the output shaft to the primary drive system.

24004-03B

Fits '03-later Twin Cam-equipped models.

F. SCREAMIN' EAGLE TIMKEN® BEARING SLEEVE

Convert a 2003-later Twin Cam model with a factory-installed roller bearing to a Timken® tapered bearing. When used with Screamin' Eagle Timken Bearing Tool P/N 34823-08 (sold separately), the Bearing Sleeve can be installed without precision machining. Sleeve accepts press-in Timken bearing (sold separately).

34822-08

Fits '03-later Twin Cam-equipped models. Installation requires separate purchase of model-specific Sprocket Spacer. '03-'05 Dyna® use P/N 24038-99A, '03-'06 Softail® use P/N 24039-01A, '03-06 Touring use P/N 24008-99 and '06-later Dyna and '07-later Softail, Touring and Trike models use P/N 11887. Requires separate purchase of Tapered Roller Bearing Set P/N 9028.

**D. SCREAMIN' EAGLE HIGH CAPACITY OIL PAN****E. SCREAMIN' EAGLE LEFTY BEARING****F. SCREAMIN' EAGLE TIMKEN BEARING SLEEVE**

94 ENGINE COMPONENTS

Valve Train

A. SCREAMIN' EAGLE® RACE VALVE SPRING KIT*

This straight coil double spring Race Valve Spring Kit will allow the engine to rev to 7000 RPM and enable the use of higher lift cams. Complete kit includes springs, upper and lower collars and valve keys.

18344-05 7mm dia. Valve Stems.
Fits '04-later XL models, '05-later Twin Cam models with stock cylinder heads. Will not fit FLSS, FLSTFBS, CVO™ 103CI and 110CI models or models equipped with Screamin' Eagle® cylinder heads.

18281-02A 5/16" dia. Valve Stems.
Fits '99-'04 Twin Cam, all Evolution® 1340 and '86-'03 XL models. (not shown)

B. SCREAMIN' EAGLE PERFORMANCE VALVE SPRING KIT*

This performance Beehive-shaped Valve Spring Kit will permit the Sportster® engine to rev to 7000 RPM. The unique ovate wire yields increased performance from a compact spring design. The installed spring pressure is increased to 208 lbs, and allows a maximum lift of .590". Complete kit includes springs, upper collars and keepers and lower collars with integral valve seals.

18013-03A
Fits '04-later XL, XR and '05-later Twin Cam-equipped models (except FLSS and FLSTFBS). Does not fit Screamin' Eagle Performance Heads with 5/16" diameter valves.

Also available:
SCREAMIN' EAGLE VALVE SPRING SHIM KIT

This Valve Spring Shim Kit allows the engine builder to adjust spring pressure by combining various thickness shims. The kit is a great help when trying to obtain consistent spring pressure across all valves. Kit includes 12 shims (4 each: .015", .030", .060" thickness).

18226-03
Fits '04-later XL and '05-later Twin Cam models equipped with Valve Spring Kit P/N 18344-05. Also fits '99-'04 Twin Cam, all Evolution 1340 and '86-'03 XL models equipped with Valve Spring Kit P/N 18013-03A.

C. SCREAMIN' EAGLE BIG BORE HIGH-PERFORMANCE HEAD GASKET KIT

This multi-layered head gasket provides improved sealing for 3-7/8" Big Bore high-performance engines. Sold in pairs. For engines with compression ratios above 10.0:1, Screamin' Eagle High Tensile Cylinder Studs P/N 16505-01 are required.

16101-01
Fits '99-later Big Bore (3.875" bore) Twin Cam-equipped models. Does not fit FLSS, FLSTFBS or Twin-Cooled™ models.

D. SCREAMIN' EAGLE "HIGH TENSILE" CYLINDER STUD KIT

This 8-piece High Tensile Cylinder Stud Kit is a must for the serious engine builder. The studs feature a unique thread design and enhanced material properties to withstand the forces of a high-compression engine.

16505-01
Fits '99-later Twin Cam-equipped models.

17004-01
Fits '86-later XL models. For XL1200 models with compression ratio over 10:1, use with High-Performance Head Gasket Kit P/N 17056-01.

***NOTICE:** Proper valve spring to rocker cover clearance must always be verified during installation of Screamin' Eagle Valve Spring Kits. Failure to have adequate clearance may result in engine damage.



A. SCREAMIN' EAGLE RACE VALVE SPRING KIT



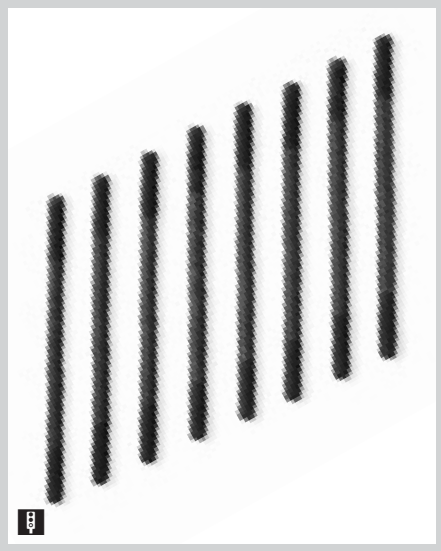
B. SCREAMIN' EAGLE PERFORMANCE VALVE SPRING KIT

Spring Kit (Valve Stem Dia.)	Force at 1.800" Installed Height	Recommended Max Lift	Spring Force at Max Lift	RPM Range	Spring Type	Cam Application	Notes
18013-03A (7mm)	208	.585	380	0-6500	Ovate Beehive	SE-203, 204, 211, 253, 255, 258, 259E, 585	Used on SE XL, OE CNC Ported and SE Kompressor Twin Cam Heads.
18344-05 (7mm)	195	.660	520	0-7000	Double wound	SE-251, 260, 264, 263E, 266E	N/A
18281-02A	195	.660	520	0-7000	Double wound	SE-251, 260, 264, 263E, 266E, RX267	Used on SE MVA and SE 110+

SCREAMIN' EAGLE VALVE SPRING KIT CHART



C. SCREAMIN' EAGLE BIG-BORE HIGH-PERFORMANCE HEAD GASKET KIT



D. SCREAMIN' EAGLE "HIGH TENSILE" CYLINDER STUD KIT

**E. SCREAMIN' EAGLE ROLLER ROCKER ARMS****F. SCREAMIN' EAGLE PRO ROCKER ARMS – 1.725:1 RATIO****G. SCREAMIN' EAGLE HIGH-CAPACITY TAPPETS****H. SCREAMIN' EAGLE TAPPETS****I. SCREAMIN' EAGLE TWIN CAM FORGED ROCKER SUPPORTS****J. SCREAMIN' EAGLE PRO LOWER ROCKER BOX HOUSING****E. SCREAMIN' EAGLE® ROLLER ROCKER ARMS**

Unique roller-tip design increases strength and reduces valve stem side-loading and tip friction. Built to handle cams with up to .700" lift in high RPM application. Complete kit includes set of four.

17378-98

Fits '84-'99 Evolution® 1340-equipped models, '86-later XL and XR models and '99-later Twin Cam-equipped models. (Modification is required on Twin Cam rocker covers.)

F. SCREAMIN' EAGLE PRO ROCKER ARMS – 1.725:1 RATIO

Manufactured from the forging used for Original Equipment rocker arms for enhanced integrity, these Screamin' Eagle® Rocker Arms feature a lift ratio of 1.725:1 verses the stock ratio of 1.65. The larger ratio will increase valve opening to enhance power output on larger displacement engines. As with all performance products, these Rocker Arms should be installed by a qualified technician to ensure appropriate clearances between valves and pistons. Kit includes four rocker arms. **For race application only.**

17396-08

Fits '84-'99 Evolution 1340-equipped models, '86-later XL models and '99-later Twin Cam-equipped models.

G. SCREAMIN' EAGLE HIGH-CAPACITY TAPPETS*

Screamin' Eagle Tappets feature large high capacity needles in the roller bearing assembly to improve reliability when operating with high lift cams, high pressure valve springs and in high RPM applications. The 25% larger needle bearings increase the dynamic load rating by approximately 20% when compared to the Original Equipment Twin Cam tappets. The unique design delivers superior tappet life in performance applications. Set of 4.

18572-13

Fits '99-later Twin Cam-equipped models and '00-later XL and XR models.

H. SCREAMIN' EAGLE TAPPETS*

These Screamin' Eagle Tappets incorporate a unique axle, roller and bearing design that increases durability and stability of the tappets. Works well in high horsepower/high RPM applications.

18568-98

Fits '84-'99 Evolution 1340-equipped models and '86-'90 XL models. (set of 4)

I. SCREAMIN' EAGLE TWIN CAM FORGED ROCKER SUPPORTS

Increased strength Rocker Supports will handle the increased loads from higher lift cams and higher RPM applications. This product keeps valve train geometry solid. Works with stock or roller rocker arms. Includes required hardware for installation.

17675-01B

Fits '99-later Twin Cam-equipped models.

J. SCREAMIN' EAGLE PRO LOWER ROCKER BOX HOUSING

Eliminate the grinding and shaping required when installing high-performance valve springs or heads. These lower rocker box housings have been factory-machined to provide the clearance required for large valve springs and collars, ending the trial-and-error rework of the stock rocker boxes. Housings are sold individually. Gaskets must be purchased separately.

17578-10

Fits '99-later Twin Cam models equipped with 110+ Cylinder Heads, MVA Cylinder Heads, ACR Performance Cylinder Heads or heads equipped with Screamin' Eagle Race Valve Springs.

*NOTE: In race applications, high-lift cams and stiff valve springs put extreme pressure on the engine's lifters and pushrods. At 7,000 RPM, instantaneous forces of up to 1200 lbs. can be experienced. This severe dynamic loading can lead to accelerated tappet wear. In these applications, we suggest installation of Screamin' Eagle High-Capacity Tappets and periodic tappet inspection and replacement to maximize engine life.

96 ENGINE COMPONENTS

Valve Train

A. SCREAMIN' EAGLE® PREMIUM TAPERED QUICK-INSTALL ADJUSTABLE PUSHRODS

These premium pushrods are tapered for enhanced clearance at the cylinder head, allowing the use of higher lift cams. The one-piece chrome moly tube adds rigidity and durability and the threaded adjustment feature provides easy cam installation without removing the cylinder heads or rocker boxes. To simplify adjustment, the tube features six flats, with one flat marked with a large dot for tracking the adjustment. The threaded rod features 4 flats to reduce wrench swing. Each pushrod features the Screamin' Eagle logo and is marked for "Intake" or "Exhaust." Kit includes 4 pushrods and required pushrod tubes.

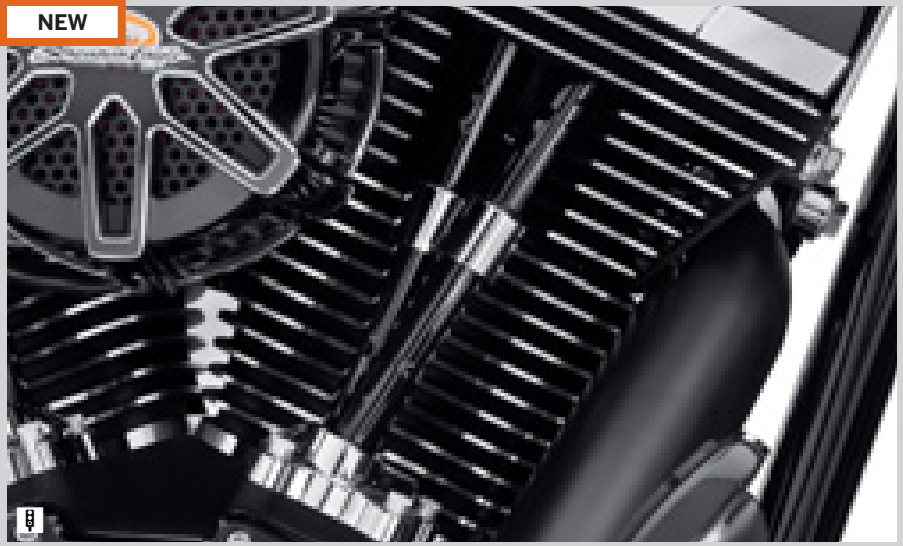
Fits '99-later Twin Cam-equipped models.

17900032	With Gloss Black Covers.
18404-08	With Chrome Covers.

B. PUSHROD COVER KIT – GLOSS BLACK

Complete the Dark Custom look. These covers replace existing chrome covers to give your bike a blacked-out appearance down to the smallest detail. Pushrod covers are finished in gloss black and the kit includes the four bottom cover tubes and the four upper clips. Installation retains the Original Equipment chrome short center tube to create a high-contrast accent. Cover Kit can be installed on engines already equipped with Adjustable Pushrods or can be installed by removing rocker box covers, rocker arms and non-adjustable pushrods. Consult your dealer or service manual for installation.

17900033 Covers Only.
Fits '99-later Twin Cam-equipped models. Requires prior installation of Adjustable Pushrods or removal of rocker box covers, rocker arms and fixed-length pushrods.



A. SCREAMIN' EAGLE PREMIUM TAPERED QUICK-INSTALL ADJUSTABLE PUSHRODS – GLOSS BLACK COVERS



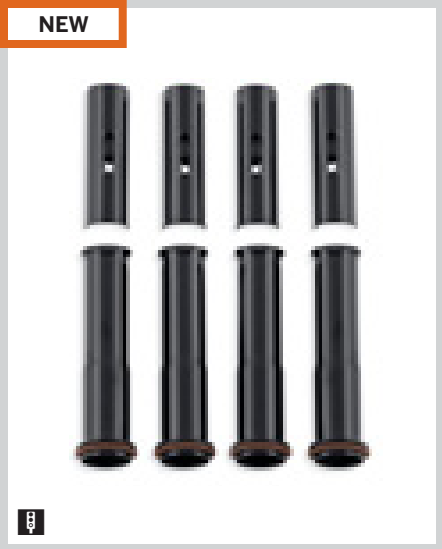
A. SCREAMIN' EAGLE PREMIUM TAPERED QUICK-INSTALL ADJUSTABLE PUSHRODS – GLOSS BLACK COVERS



A. SCREAMIN' EAGLE PREMIUM TAPERED QUICK-INSTALL ADJUSTABLE PUSHRODS – CHROME COVERS



A. SCREAMIN' EAGLE PREMIUM TAPERED QUICK-INSTALL ADJUSTABLE PUSHRODS



B. PUSHROD COVER KIT – GLOSS BLACK

***CAUTION:** Proper valve spring to rocker cover clearance must always be verified during installation of Screamin' Eagle Valve Spring Kits. Failure to have adequate clearance may result in engine damage.



C. SCREAMIN' EAGLE QUICK-INSTALL PUSHROD KIT FOR TWIN CAM-EQUIPPED MODELS



D. SCREAMIN' EAGLE QUICK-INSTALL PUSHROD KIT FOR EVOLUTION 1340-EQUIPPED MODELS



Type of Cam Installed	Type of Head Installed		
	Original Equipment	CNC-Ported Factory Heads or Screamin' Eagle MVA Heads	Screamin' Eagle Kompressor Heads
Stock, SE-203, SE-204, SE-211, SE-253, SE-254E, SE-255	18400-03	18402-03	18403-03
SE-251, SE-257, SE-258, SE-259E, SE-585	18401-03	18400-03	18402-03
SE-260, SE-264, SE-263E	N/A	18401-03	N/A
RX-267, SE-266E	N/A	18416-04	N/A



E. SCREAMIN' EAGLE PRO PERFECT FIT PUSHRODS

C. SCREAMIN' EAGLE® QUICK-INSTALL PUSHROD KIT FOR TWIN CAM-EQUIPPED MODELS

These pushrods have been designed to allow for easier installation, adjustment and improved durability. This unique Screamin' Eagle® design allows for installation of camshafts in the Twin Cam without the removal of the heads or rocker boxes. This design is also a great performer, constructed of stiff chrome moly tubing and thread-rolled adjusters. Kit includes required pushrod tubes and clips for adjustment of pushrods.

17997-99A
Fits '99-later Twin Cam-equipped models.

D. SCREAMIN' EAGLE QUICK-INSTALL PUSHROD KIT FOR EVOLUTION® 1340-EQUIPPED MODELS

This Screamin' Eagle design allows for installation of camshafts in the Evolution® 1340 engine without the removal of the heads or rocker boxes. This design is also a great performer, constructed of stiff chrome moly tubing and thread-rolled adjusters for durability and strength.

17987-98A
Fits '84-'99 Evolution 1340-equipped models.

E. SCREAMIN' EAGLE PRO PERFECT FIT PUSHRODS*

These one-piece tapered pushrods are stiffer than conventional pushrods and are lighter than adjustable pushrods. These are perfectly sized for the engine builder who knows what head and cam combination are being used. Four sizes to fit the most popular head and cam combinations. Refer to pages 75-77 for model-specific cam information. Sold in sets of 4.

Fits '99-later Twin Cam engines. Refer to application chart at the bottom of this page for applicable cylinder head and cam combinations.

18400-03	Original Equipment Length.
18401-03	+ .030"
18402-03	- .030"
18403-03	- .060"
18416-04	+ .060"
Fits '92-later XL models equipped with Screamin' Eagle Pro Sportster® Cylinder Heads P/N 16677-05.	
18424-06	- .050"

***NOTE:** Screamin' Eagle Adjustable or Perfect Fit Pushrods are required when installing Screamin' Eagle Twin Cam Cylinder Heads and SE-251, SE-257, SE-258 or SE-260 Camshafts.

98 ENGINE COMPONENTS

Compression Release – Twin Cam

A. SCREAMIN' EAGLE® AUTOMATIC COMPRESSION RELEASE



Automatic Compression Release (ACR) valves reduce the strain of starting your high performance motor by reducing cylinder compression – automatically! The engine is easier to turn over, resulting in less wear on your starter and battery. After start, the ACR valves close to restore full compression. ACR gives you peace of mind and protects your investment. ACR can be installed on stock or Screamin' Eagle® Performance cylinder heads for all '07-later Twin Cam-equipped models. Installation requires machining to be performed by a competent machinist using the Screamin' Eagle Automatic Compression Release Fixture Kit P/N 94648-08 (sold separately). Installation requires separate purchase of model-specific ACR Wiring Harness.

28861-07A

Fits '07-later Twin Cam-equipped models. Can be used with Original Equipment or Screamin' Eagle Cylinder Heads. Does not fit with Twin-Cooled engines. (each)

B. SCREAMIN' EAGLE AUTOMATIC COMPRESSION RELEASE WIRING HARNESS



70623-06

Fits '07-'11 Dyna®, '07-'10 Softail® and '07 Touring models equipped with Automatic Compression Release Cylinder Heads.

70623-08

Fits '08-'11 Touring models equipped with Automatic Compression Release Cylinder Heads.

70623-11

Fits '11 Softail models equipped with Automatic Compression Release Heads.

C. SCREAMIN' EAGLE PRO MECHANICAL COMPRESSION RELEASE



These compression releases may be used to ease starting on high-compression engines, especially Stroker flywheel-equipped models. Releases are activated by pushing on the top before starting, which reduces cranking pressure, and allows the engine to spin over easier. After the engine starts they automatically close to restore full compression. Installation of these compression releases may require machining of the cylinder head. This operation should only be performed by a competent machinist or by using Mechanical Compression Release Machining Fixture P/N 94638-08. Sold in pairs. **For race application only.**

32076-04

Fits all Screamin' Eagle Twin Cam Cylinder Heads (except heads equipped with Automatic Compression Release).



A. SCREAMIN' EAGLE AUTOMATIC COMPRESSION RELEASE



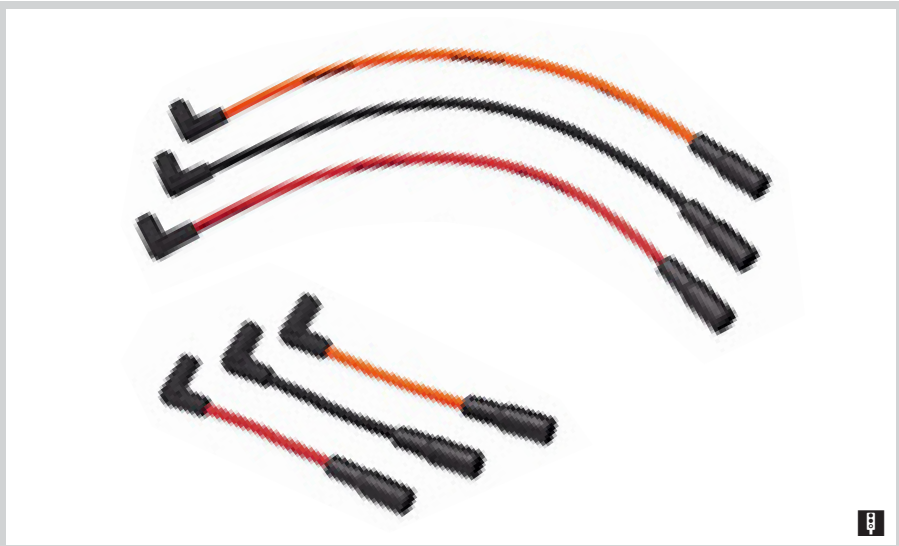
B. SCREAMIN' EAGLE AUTOMATIC COMPRESSION RELEASE WIRING HARNESS



C. SCREAMIN' EAGLE PRO MECHANICAL COMPRESSION RELEASE



D. SCREAMIN' EAGLE 10MM PHAT SPARK PLUG WIRES



D. SCREAMIN' EAGLE 10MM PHAT SPARK PLUG WIRES



E. SCREAMIN' EAGLE PROGRAMMABLE SHIFT LIGHT



E. SCREAMIN' EAGLE PROGRAMMABLE SHIFT LIGHT

ENGINE COMPONENTS 99

Spark Plug Wires

D. SCREAMIN' EAGLE® 10MM PHAT SPARK PLUG WIRES

Fat 10mm plug wires add dimension and style to your ride. Screamin' Eagle® boot design and suppression core wires ensure solid connection and maximum voltage transfer between coil and plugs. "Screamin' Eagle" logo printed along wire to add style.

Multi-Fit – Cut to length. Does not fit XG models.

32095-98A	Black.
31987-85B	Yellow.

Fits '09-later Touring and Trike models.

32303-08	Black.
32318-08	Red.
32325-08	Orange.

Fits '99-'08 Touring models.

31932-99B	Black.
31939-99B	Red.
31946-99B	Orange.

Fits '99-later Dyna® models.

31930-99B	Black.
31937-99B	Red.
31944-99B	Orange.

Fits '00-later Softail® models (except FXCW, FXCWC, FXS and FXSB).

31907-08	Black.
32359-00B	Red.
32360-00B	Orange.

Fits '08-later FXCW, FXCWC, FXS and FXSB models.

31965-08	Black.
31967-08	Red.

Fits '91-'98 Dyna, '85-'99 Softail and '80-'84 Touring models.

32093-98A	Black.
31964-89B	Orange.

Fits '07-later XL models.

31901-08	Black.
31902-08	Orange.

Fits '04-'06 XL models.

31958-04A	Black.
31956-04A	Orange.

Fits '86-'03 XL models (except '98-'03 XL1200S).

32092-98A	Black.
31963-89A	Orange.

Fits '15-later XG models.

31600048	Black.
31600054	Red.
31600051	Orange.

E. SCREAMIN' EAGLE PROGRAMMABLE SHIFT LIGHT

Racers know there's no time to look at the tach; they trust a shift light that can be seen with peripheral vision so they can maintain focus on the track. Now you can bring that same attention-grabbing experience to your ride. The compact Screamin' Eagle Shift Light features quick-reacting amber LEDs to alert rider when to shift and an easy-to-see red digital RPM readout. LED intensity can be adjusted for day- or night-time use. The shift light can be programmed to flash at any user-defined RPM set point. The shift light also features a peak RPM recall function to display the highest RPM reached. Kit includes shift light, mounting clamp with insert to fit all 1.0" and 1.25" handlebars, Screamin' Eagle rain cover and all required hardware.

69779-09
Fits '04-'10 XL and XR, '04-'11 Dyna, '04-'10 Softail and '04-'07 Touring models.

100 ENGINE COMPONENTS

Spark Plugs

A. SCREAMIN' EAGLE® ST PERFORMANCE SPARK PLUG

Screamin' Eagle® ST Performance Spark Plugs feature double platinum coating for superior erosion resistance and extended life. The "V-trimmed" ground electrode reduces shrouding of the flame front to promote flame propagation and the fine wire center electrode enhances start ups and ignitability. Screamin' Eagle ST Plugs feature Ribbed Core Technology (RCT) that provides resistance to fouling and are designed with Original Equipment-style noise suppression to prevent electrical interference with radios and CB communication equipment. Works great in racing applications where rich air/fuel conditions are required. Unique style with Screamin' Eagle logo. Sold in pairs.

High-Compression Applications

These plugs are designed for high-performance applications involving modifications in high-flow air cleaners, cam shafts, exhaust, performance heads, ignition components, higher-compression ratios above Original Equipment configurations or engines specific for racing applications.

32186-10

Fits '99-later Twin Cam-equipped models, '86-later XL and XR models, and Evolution® 1340 models equipped with Screamin' Eagle Performance Cylinder Heads. Also fits '02-later VRSC™ models with stock compression ratio.

32188-10

Fits '84-'99 Evolution 1340-equipped models, '75-'81 Shovelhead 74 and 80CI and '83-'84 XR1000 models.

Stock Compression Applications

Designed for modified engines including performance carburetors, high-flow air cleaners, cam shafts, exhaust systems and ignition systems in conjunction with stock compression ratios.

32189-10

Fits '84-'99 Evolution 1340-equipped models, '75-'81 Shovelhead 74 and 80CI models.

32192-10

Fits '99-later Twin Cam-equipped models and '86-later Evolution Sportster® 883, 1100 and 1200 models.

B. SCREAMIN' EAGLE PERFORMANCE COILS – EVOLUTION® ENGINES

These coils provide over 40,000 volts to powerfully spark your Evolution motor. Quick rise time for high RPM and high-compression performance applications.

31653-97 Black.

Fits all '84-'99 carbureted Evolution-equipped and '86-'03 XL models with electronic ignitions (except '98-later XL1200S).

C. SCREAMIN' EAGLE TERMINATED PLUG WIRE KITS – EVOLUTION ENGINES

These custom 8mm terminated plug wire sets are larger in diameter than stock wires and feature silicone plug boots and suppression core so that your electronic ignition is not affected. Use with your stock production coil or the perfect addition when upgrading to one of our Performance Coils.

32094-98 Black.

Fits '97-'98 FLHR, FLHT, FLHTC and FLHTCU models.

32090-98 Black.

Fits '82-'99 FXR models.

32091-98 Black.

Fits '85-'96 Evolution 1340 FLHR, FLHT and FLT and '82-'93 FLHS models.



A. SCREAMIN' EAGLE ST PERFORMANCE SPARK PLUG



B. SCREAMIN' EAGLE PERFORMANCE COILS – EVOLUTION ENGINES



C. SCREAMIN' EAGLE TERMINATED PLUG WIRE KIT – EVOLUTION ENGINES

D. SCREAMIN' EAGLE® TWIN CAM PERFORMANCE ASSIST AND SLIP (A&S) CLUTCH KIT

Developed for the high-thrust 110CI engine featured as Original Equipment on '14-later Screamin' Eagle® CVO™ models, this A&S clutch provides significantly increased torque-handling capacity (~115 lb-ft). Clutch is designed to improve engagement grip and provides minor slippage during downshifting to reduce shock to the power train. Reduces hand lever pull effort by over 1 pound. Complete kit features improved clutch plates for enhanced wear resistance and is the perfect addition when installing a high-output Screamin' Eagle Stage Kit.

37000026

Fits '14-later Touring and Trike models with hydraulic clutch actuator.

E. SCREAMIN' EAGLE VARIABLE PRESSURE CLUTCH

Get more performance from the Original Equipment clutch. The Screamin' Eagle Variable Pressure Clutch is designed to help put the added power from a Screamin' Eagle Stage Kit to the pavement. This bolt-on kit harnesses the centrifugal force of spinning weights to increase the clutch capacity as engine speed increases. The mechanism applies increasing pressure to the stock clutch pressure plate as RPM rises. The result: High torque-handling capabilities without increasing clutch lever effort at idle. The Variable Pressure Clutch also provides smoother clutch disengagement at lower speed. Kit fits behind most stock derby covers with no modifications. See installation manual for additional accessory derby cover fitment information.

To match the performance demands of your engine, team the Variable Pressure Clutch with your choice of clutch diaphragm springs. We recommend the higher capacity Screamin' Eagle Diaphragm Spring P/N 37951-98 for major performance upgrades.

	Lever Effort	Torque Capacity
Original Equipment Spring	Same as stock	120 lb-ft
SE Spring P/N 37951-98	35% greater than stock	153 lb-ft

37000121

Fits '99-later Evolution® 1340 and Twin Cam-equipped models. Will not fit '16-later Touring and Trike models, '15-later FLHTCUL or FLHTKL models or '07-later Touring or Trike models equipped with Narrow-Profile Outer Primary Cover P/N 25700385 or 25700438. Will not fit '13-later CVO models with hydraulic actuated clutch, '16-later FLSS and FLSTFBS, or '14-later Touring and Trike models equipped with Screamin' Eagle A&S Clutch Kit P/N 37000026. Derby Covers P/N 25001-03, 25441-04A, 25770-99, 25331-10, 25339-10, 25700250 and 25700062 require Spacer Kit P/N 37000123. Does not fit Derby Covers P/N 25347-02 or 25345-01.



D. SCREAMIN' EAGLE TWIN CAM PERFORMANCE ASSIST AND SLIP CLUTCH KIT



E. SCREAMIN' EAGLE VARIABLE PRESSURE CLUTCH

102 ENGINE COMPONENTS

Clutch & Drivetrain

A. SCREAMIN' EAGLE® TWIN CAM PERFORMANCE RACE CLUTCH HUB KIT

Innovative new clutch hub kit offers improved clutch performance and is perfect for large displacement applications. Will support engines producing up to 160 lb-ft of torque. Kit includes the hub, pressure plate and clutch springs and can be used with stock friction discs and spacers or Screamin' Eagle® Friction Disc Kit P/N 37980-10. (Does not include clutch friction plates.)

37976-08A

Fits '07-later Twin Cam-equipped models. Will not fit '13-later CVO™ Touring models with hydraulic actuated clutch, '15-later FLHTCUL, FLHTKL, '16-later FLSS, FLSTFBS, or '14-later Touring models equipped with Screamin' Eagle A&S Clutch Kit P/N 37000026.

B. SCREAMIN' EAGLE RACE CLUTCH KIT

This clutch has an innovative design that features new long life friction plates and 6 individual coil springs to adjust your clutch to your specific needs. Designed to handle up to 160 lb-ft of torque at the crank.

37970-03A

Fits '90-'99 Evolution® 1340-equipped models, '99-'05 Dyna® models and '99-'06 Softail® and Touring models.

NOTE: '90-'97 Evolution 1340-equipped models require Clutch Shell P/N 37707-98A and Rod Adjuster Screw P/N 37090-98A. '90-'93 Evolution 1340-equipped models also require starter P/N 31553-94B.

C. SCREAMIN' EAGLE PERFORMANCE CLUTCH FRICTION DISC KIT

Newly-developed friction material delivers longer life than Original Equipment friction discs. Kit includes new precision-machined flat steel plates. This Friction Disc Kit is a perfect match for the Screamin' Eagle Twin Cam Performance Race Clutch Hub Kit P/N 37976-08A.

37980-10

Fits '99-later Twin Cam-equipped models and '98-'99 Evolution 1340-equipped models. Will not fit '13-later CVO Touring models with hydraulic actuated clutch or, '15-later FLHTCUL and FLHTKL, '16-later FLSS, FLSTFBS, or '14-later Touring and Trike models equipped with Screamin' Eagle A&S Clutch Kit P/N 37000026.

D. HEAVY DUTY CLUTCH SPRING FOR STOCK CLUTCH

37951-98

Fits '99-later Twin Cam-equipped models and '98-'99 Evolution 1340-equipped models. Will not fit '13-later CVO Touring models with hydraulic actuated clutch or, '15-later FLHTCUL and FLHTKL, '16-later FLSS, FLSTFBS, or '14-later Touring and Trike models equipped with Screamin' Eagle A&S Clutch Kit P/N 37000026.

E. SCREAMIN' EAGLE PERFORMANCE CLUTCH KIT

Performance Clutch Kit converts the 8-plate clutch to a 9-plate design. The surface area is increased by 13% and the spring rate is increased by 10% for a combination that can handle over 115 lb-ft of torque at the crank, a 23% increase over the stock-rated capacity. Kit includes Kevlar® fiber-based friction discs and performance clutch spring.

38002-04

Fits '91-later XL and '94-'97 Evolution 1340-equipped models.

F. SCREAMIN' EAGLE PERFORMANCE SLIPPER CLUTCH FOR VRSC™ MODELS

This clutch offers reduced lever effort and improved performance. The unique "slip and assist" ramp system opens the two halves of the clutch hub slightly during high loads to the drivetrain, allowing a moderate slip that reduces shock to the drivetrain during rapid downshifting. The resulting reduction in wheel hop allows maximum contact between the tire and the road in wet or slippery conditions. Clutch lever effort is also reduced by 20% in 1130cc and 30% on 1250cc applications.

37938-08KA

Fits '02-'07 VRSC™ models.



A. SCREAMIN' EAGLE TWIN CAM PERFORMANCE RACE CLUTCH HUB KIT



B. SCREAMIN' EAGLE RACE CLUTCH KIT



C. SCREAMIN' EAGLE PERFORMANCE CLUTCH FRICTION DISC KIT



D. HEAVY DUTY CLUTCH SPRING FOR STOCK CLUTCH



E. SCREAMIN' EAGLE PERFORMANCE CLUTCH KIT



F. SCREAMIN' EAGLE PERFORMANCE SLIPPER CLUTCH FOR VRSC MODELS

G. SCREAMIN' EAGLE® BIG TWIN COMPENSATOR

This premium compensator has been engineered with heavier springs and increased travel to support the high torque output associated with high compression race and large displacement engines. Designed to outperform the Original Equipment compensator, this unit helps protect the engine and driveline components during harsh drag race launches. Compensator features improved oil passages, oil deflectors and a needle bearing thrust washer that improves the overall operation of these components.

42200064A

Fits '12-'13 Dyna®, '12-'13 Softail® (except FXCW, FXCWC, FXSB, FXSBSE and '09 FXSTSSE) and '11-'13 Touring and Trike models. Original Equipment on '14-later Dyna, Softail and Touring models. Requires separate purchase of Installation Adhesive Kit P/N 11100088.

40100061

Fits '06-'11 Dyna, '07-'11 Softail (except FXCW, FXCWC), '07-'10 Touring, and '07-'09 CVO™ (except '09 FXSTSSE) models. Does not fit Trike. Requires separate purchase of Installation Adhesive Kit P/N 11100088. Kit includes Rotor Assembly P/N 30041-08.

42200095A

Fits '08-'12 FXCWC and '09 FXSTSSE models and '13-later FXSB models. If P/N 40274-08A has been installed previously, the rotor shell, P/N 30041-08A is not required.

H. SCREAMIN' EAGLE MANUAL PRIMARY CHAIN TENSION ADJUSTER

The Screamin' Eagle® Manual Primary Chain Tension Adjuster is a real benefit in those aggressive racing situations where frequent drag racing starts and high rpm speed shifting are part of the riding experience. Ideal for bikes equipped with big displacement high performance (100hp+) engines that are regularly used for track-day drag racing; this Screamin' Eagle Tension Adjuster permits manual selection of primary chain tension. A direct replacement for the Original Equipment automatic version, this anodized billet aluminum adjuster allows you to fine-tune the settings and lock the position when the freeplay is properly set. The manual adjustment locks the chain tension in place to prevent the chain from adjusting during severe shifting. Kit includes required mounting hardware.

36500020

Fits '06-later Dyna and '07-later Softail, Touring and Trike models. Requires separate purchase of model-specific primary gaskets and seals.

I. AUTOMATIC PRIMARY CHAIN TENSION ADJUSTER

Original Equipment on '06-later Dyna and '07-later Softail and Touring models, this Automatic Primary Chain Adjuster eliminates the need to manually adjust the primary chain tension at traditional service intervals.

40063-05B

Fits '85-'06 Evolution® 1340 (except '85-'88 Softail) and Twin Cam powertrain. Requires separate purchase of model-specific primary gasket and seals.

J. SIX-SPEED CRUISE DRIVE® TRANSMISSION – SOFTAIL®

33006-14 Black and Chrome.

Fits '10-later Softail models (except CVO, FXCW, FXCWC and FXSB). Includes clutch cable for FLSTC models.

K. SIX-SPEED CRUISE DRIVE TRANSMISSION – TOURING

32228-16 Black and Chrome.

Fits '10-later Touring models (except CVO and models with hydraulic activated clutch). Includes clutch cable.

**G. SCREAMIN' EAGLE BIG TWIN COMPENSATOR****H. SCREAMIN' EAGLE MANUAL PRIMARY CHAIN TENSION ADJUSTER****I. AUTOMATIC PRIMARY CHAIN TENSION ADJUSTER****J. TWIN CAM TRANSMISSION – SOFTAIL, BLACK AND CHROME****K. TWIN CAM TRANSMISSION – TOURING, BLACK AND CHROME**

104 ENGINE COMPONENTS

Transmission

A. SCREAMIN' EAGLE® 6-SPEED TRANSMISSION AND GEAR SET

Designed from the ground up, the Screamin' Eagle® transmission incorporates many of the best Original Equipment features, like late-style shifting mechanism and a newly designed "shift ring" system to make this the smoothest shifting Harley-Davidson® transmission available. The "shift ring" system is similar to the system used in the VRSC™ transmission and it slides on the shafts to mate into the gears. This eliminates sliding heavy gears to accomplish the shift and results in smooth, precise and light effort shifting. Sixth gear is a true overdrive, at a .89:1 ratio and the first five gears mimic today's proven 5-speed ratios. The overdrive feature allows you to run a lower engine RPM in sixth gear, at any given road speed. Lower RPM can result in lower vibration, longer engine life and smoother cruising. The Screamin' Eagle 6-Speed Transmission is available as a complete transmission or as a replacement gear set and can be matched with hydraulic or cable-operated clutch controls.

Screamin' Eagle 6-Speed Transmissions feature forged chrome "trap door," forged shifter forks and forged and precisely ground gears. No speedometer or exhaust mount modifications are required. Complete transmissions are ready to install into the chassis and the 6-Speed Gear Set Kits are designed to replace the stock gear set without removing the transmission. Gear Set Kits require slight modification (template included) to the Original Equipment transmission case and include all necessary installation hardware.

COMPLETE TRANSMISSION

Fits '01-'05 Dyna® models. Requires separate purchase of appropriate Side Cover Release Kit.

33040-03A Black and Chrome.

Fits '00-'06 Softail® models. Requires separate purchase of appropriate Side Cover Release Kit.

33045-03A Black and Chrome.

Fits '02-'06 Touring models. Requires separate purchase of appropriate Side Cover Release Kit.

33137-04 Black and Chrome.

GEAR SET

33100-03A

Fits '91-'94 and '96-'00 Dyna and '90-'99 Softail models. Requires separate purchase of appropriate Side Cover Release Kit.

33101-03A

Fits '90-'00 Touring models. Requires separate purchase of appropriate Side Cover Release Kit.

33102-03A

Fits '00-'06 Softail and '01-'06 Touring models. Requires separate purchase of appropriate Side Cover Release Kit.

33103-03A

Fits '01-'05 Dyna models. Requires separate purchase of appropriate Side Cover Release Kit.

Shown with:

SCREAMIN' EAGLE TRANSMISSION SIDE COVER FOR 6-SPEED TRANSMISSION

Includes unique side cover and clutch components required for installing a Screamin' Eagle 6-Speed Transmission.

38753-04A Hydraulic Clutch.

Fits '99-'05 Dyna, '00-'06 Softail and '99-'06 Touring models equipped with Screamin' Eagle 6-Speed Transmission and Hydraulic Clutch. NOTE: If installing a Hydraulic Clutch on a previously installed Screamin' Eagle 6-Speed, separate purchase of the Clutch Release Cover Gasket P/N 35148-03 is required.

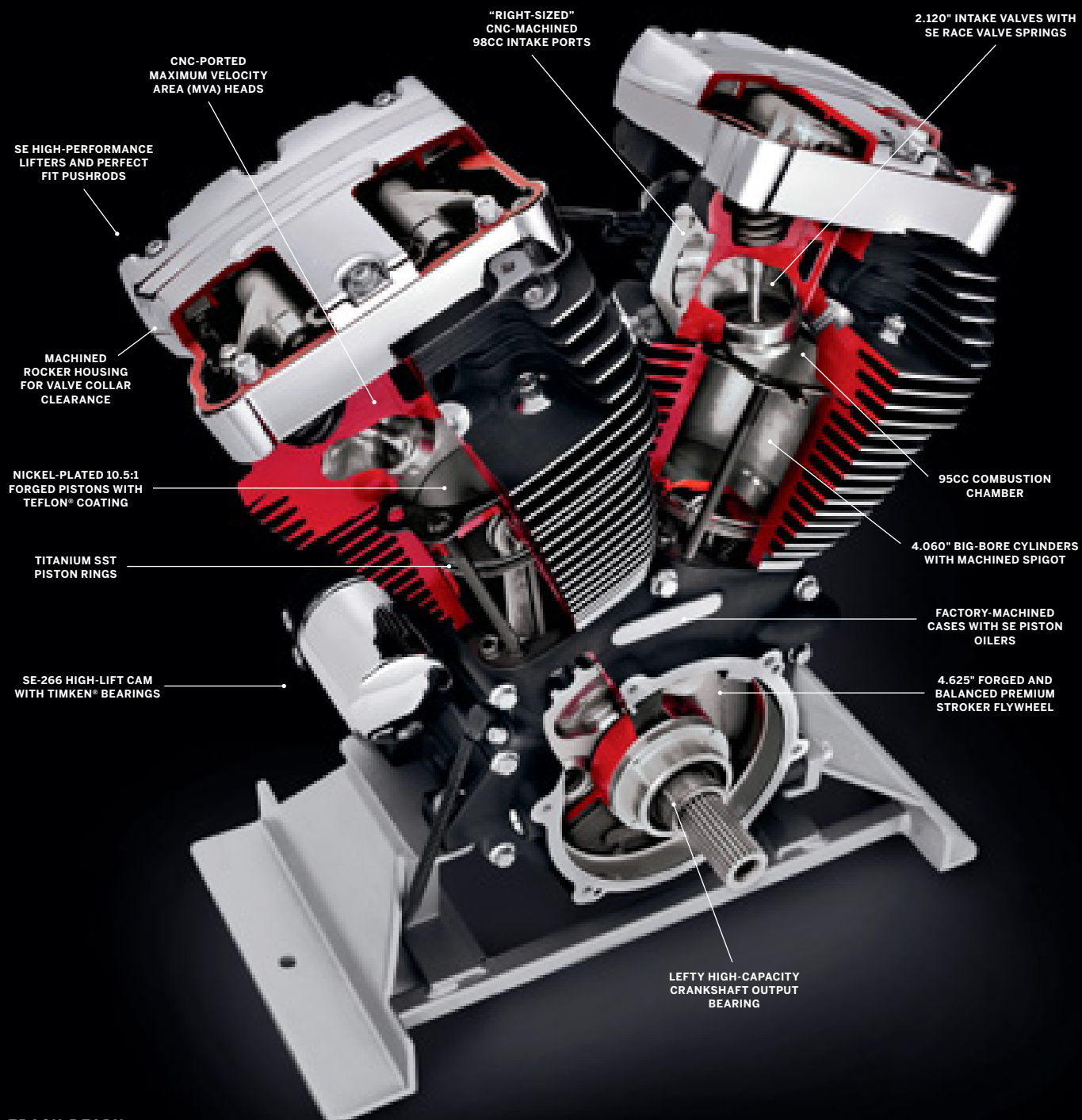
38752-04 Cable Clutch.

Fits '91-'05 Dyna and '90-'06 Softail and Touring models equipped with Screamin' Eagle 6-Speed Transmission and cable-actuated clutch.



The Screamin' Eagle 6-Speed Transmission has been tested and validated using the same rigorous procedures that Original Equipment transmissions are subjected to and is backed by a 12 or 24-month (depending on model year) unlimited mileage warranty when installed at the time of a new bike purchase.

FACTORY-BUILT CRATE ENGINES



TRACK READY

The Screamin' Eagle® product development team combines all their engineering and manufacturing expertise into a series of complete Twin Cam-based racing engines and race-use Stage Kits. Ranging in displacement from 95CI to 120CI, these potent track-use performers produce reliable horsepower right out of the box. Take a look inside our SE120R engine and you'll see we mean business.

106 ENGINES

Street Performance Crate Motor

SCREAMIN' EAGLE® SE120ST STREET PERFORMANCE CRATE MOTOR

This street-tuned 120 cubic inch Screamin' Eagle® Crate Motor takes your bagger from mild to wild. This engine is designed for bolt-in installation in the Original Equipment-style chassis of your Touring bike. No special fabrication or engine mount relocation is required. The crankcase, cylinders and heads are painted black, and feature machined aluminum highlights and chrome covers for a stunning "show-and-go" look. Equipped with the ultimate large bore Screamin' Eagle 58mm Throttle Body (18% larger than stock), this engine is capable of producing 106 horsepower and 117 lb-ft of torque at the rear wheel. Engine features One-Year Manufacturers warranty. For best performance results, we recommend combining this engine with your choice of Screamin' Eagle 58mm High-Flow Air Cleaner and the Screamin' Eagle High Flow Exhaust System P/N 64800022.

This engine is street compliant when used with Original Equipment mufflers or the Screamin' Eagle Street Performance Exhaust System P/N 64800022. All EFI-equipped models require ECM calibration* (priced separately). U.S. delivered engines include Manufacturers Statement of Origin (MSO).

Developed and tested in Milwaukee, this street-ready motor features the finest Screamin' Eagle components:

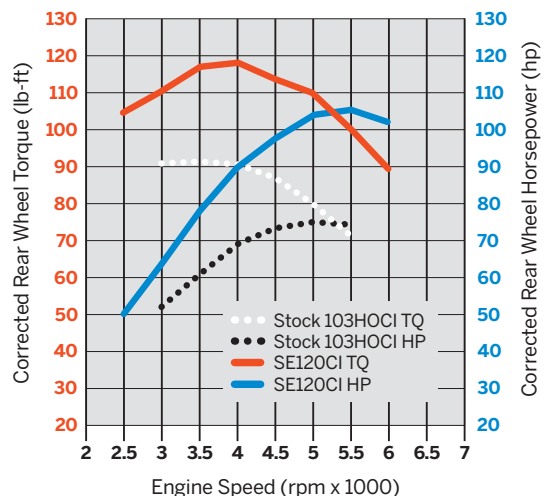
- 4.060 big-bore cylinders.
- 4-5/8" stroke SE Pro stroker flywheel and rod assembly.
- 10.5:1 high-compression nickel-plated forged pistons with Teflon® coated skirt.
- Titanium SST piston rings.
- SE-259E high-lift cams.
- Perfect-Fit pushrods.
- SE high-performance lifters.
- CNC-ported MVA heads with automatic compression release.
- Screamin' Eagle Pro High-Flow 58mm EFI Throttle Body, high flow injectors and manifold clamps.
- Machined lower rocker boxes for valve spring collar clearance.
- Factory-machined engine cases.
- Unique piston oilers for stroker clearance.
- Screamin' Eagle inner crankcase full complement cam needle bearings.
- SE Lefty high-performance crankcase output bearing and nitride bearing race.
- SE Performance spark plugs.
- 120ST cam cover and cylinder head medallions.

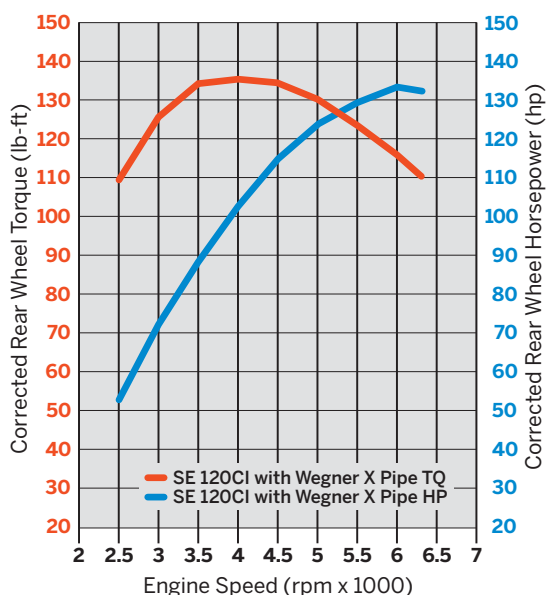
19221-15 Black and Chrome.
Fits 50-state '10-'15 Touring models. Does not fit Twin-Cooled™ models. Model year '16 pending certification.

*Recalibration is required for proper installation.
See Dealer for details. Labor cost not included.



Twin Cam 103HO Stock vs. ST120 Crate Motor





SCREAMIN' EAGLE PRO SE120R HIGH PERFORMANCE CRATE MOTOR

SCREAMIN' EAGLE® PRO SE120R HIGH-PERFORMANCE CRATE MOTOR



This track-ready 120 cubic inch Screamin' Eagle® Crate Motor is waiting to provide a racing enthusiast the opportunity to go racing at an affordable price. This engine is designed for bolt-in installation in the Original Equipment-style chassis of your track bike. No special fabrication or engine-mount relocation is required. The crankcase, cylinders and heads are painted black and feature machined aluminum highlights and chrome covers for a stunning "show-and-go" look. When equipped with appropriate high-flow carburetor or throttle body and injectors, an open air induction and tuned exhaust, this engine is capable of producing a reliable 135+ horsepower at the rear wheel. Engines include Manufacturers Statement of Origin (MSO-domestic only).

These race-use engines feature only the finest Screamin' Eagle components:

- 4.060" big-bore cylinders.
- 4-5/8" stroke SE Pro stroker flywheel and rod assembly.
- 10.5:1 high-compression nickel-plated forged pistons with Teflon coated skirts.
- Titanium SST piston rings.
- SE-266E high-lift cams.
- Perfect Fit pushrods +.030.
- SE high-performance lifters.
- CNC-ported MVA heads with automatic compression release (19206-12 and 19220-12 only).
- Machined lower rocker boxes for valve spring collar clearance.
- Factory-machined engine cases.
- Unique piston oilers for stroker clearances.
- Screamin' Eagle performance inner cam bearings.
- Lefty high-performance crankcase output bearing.
- SE performance spark plugs.
- 120R cam cover and head medallions.
- High volume oil pump.
- Billet cam plate.

Requires separate purchase of appropriate Screamin' Eagle induction system and a high-performance clutch upgrade. Just add your choice of race exhaust, high-flow air cleaner and tuning. **For race application only.**

19220-16 Black & Chrome.
Fits '06-later Dyna® and '07-later Touring (except Twin-Cooled™) models. '06-'11 Dyna and '07-'10 Touring models require separate purchase of Compensator P/N 40274-08A.

19206-16 Black & Chrome.
Fits '07-later Softail® models. '07-'11 Softail models (except FXCW, FXCWC and '09 FXSTSSE) require separate purchase of Compensator P/N 40274-08A.

19289-12 Black & Chrome.
Fits '02-'05 Dyna and '02-'06 Touring models. Touring models require separate purchase of Sprocket Shaft Spacer P/N 24008-03.

19290-12 Black and Chrome.
Fits '01-'06 Softail models.

108 ENGINES
Crate Engines – Twin Cam

JIMS® TWIN CAM RACE ENGINES
The JIMS Twin Cam Race Engines, available exclusively through Harley-Davidson® dealers, are a complete component package designed to serve as a solid foundation for racers seeking big horsepower and displacement. Developed by JIMS of Camarillo, CA, these race engines are designed to fit within the frame of Harley-Davidson models originally powered by Evolution® 1340 or air-cooled Twin Cam engines. JIMS Twin Cam Race Engines are NOT street compliant. This engine was developed under Harley-Davidson license, granted to JIMS for use of specific Harley-Davidson Twin Cam intellectual property. The JIMS Twin Cam Race engines are based on a 356-T6 aluminum crankcase with enough case material to support a bore size up to 4.800 inches. This is not a bored stock case, but a new JIMS crankcase with increased wall thickness for larger bore potential. As a new crankcase, the engine ships with a JIMS serial number and a Manufacturers Statement of Ownership (MSO). For race application only.

JIMS Race Engines are available in black or silver powder coat, color-matched to Original Equipment Harley-Davidson transmissions. For more details, options, ordering information and pricing, see your Dealer or visit: www.jimsusa.com

Available to fit '91-later Dyna®, Softail® and Touring model frames (except Twin-Cooled™ models), including models originally equipped with Evolution engines. For race application only.

JIMS 135 Twin Cam Race Engine Specifications: (with SE Stage I A/C)

Peak Horsepower	136
Peak Torque	135
Displacement	135CI
Bore x Stroke	4.312" x 4.625"
Compression Ratio	10.5:1
Intake Valve Diameter	2.120"
Exhaust Valve Diameter	1.625"
Cam Lift	.658"
Intake Port Size	1.80"

JIMS 131 Twin Cam Race Engine Specifications: (with SE Stage I A/C)

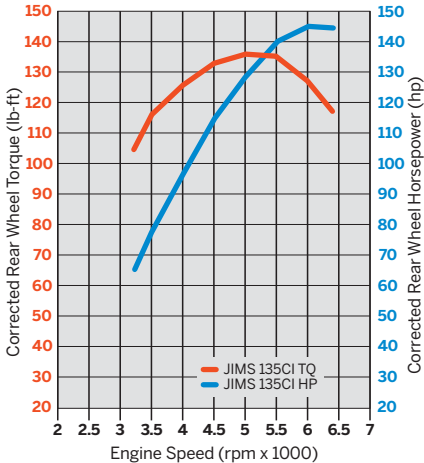
Peak Horsepower	130
Peak Torque	135
Displacement	131CI
Bore x Stroke	4.312" x 4.500"
Compression Ratio	10.5:1
Intake Valve Diameter	2.120"
Exhaust Valve Diameter	1.625"
Cam Lift	.658"
Intake Port Size	1.80"

JIMS 120 Twin Cam Race Engine Specifications: (with SE Stage I A/C)

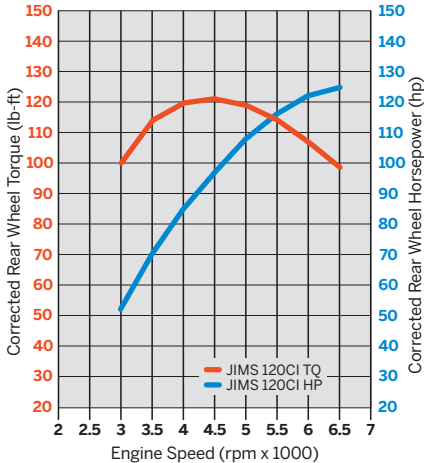
Peak Horsepower	121
Peak Torque	125
Displacement	120CI
Bore x Stroke	4.125" x 4.500"
Compression Ratio	10:1
Intake Valve Diameter	2.120"
Exhaust Valve Diameter	1.625"
Cam Lift	.658"
Intake Port Size	1.80"



JIMS 135CI TWIN CAM RACE ENGINE WITH SE AIR CLEANER



JIMS 120CI TWIN CAM RACE ENGINE WITH SE AIR CLEANER

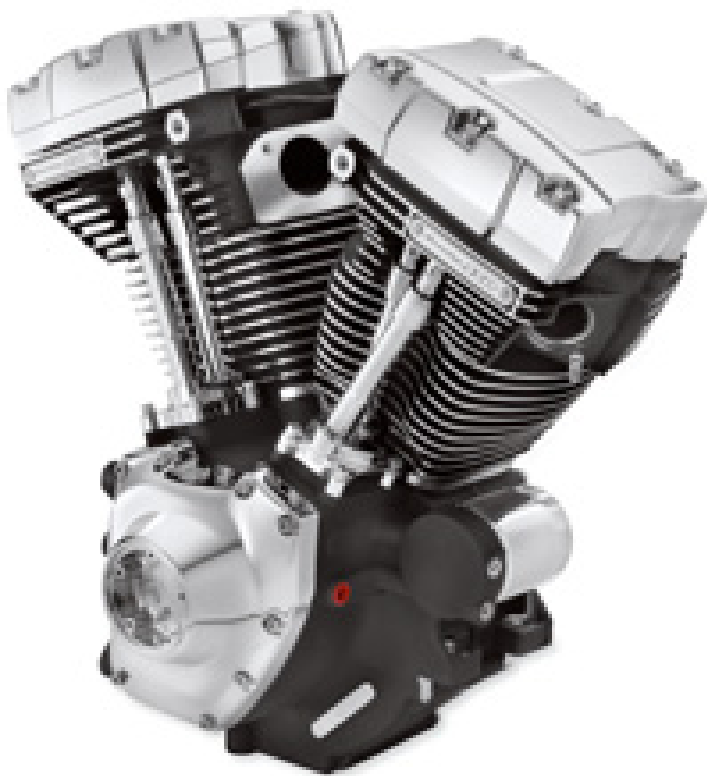


For more details, ordering information and pricing, see your Dealer or visit: www.jimsusa.com

Corrected torque and horsepower measured at the rear wheel on a chassis dynamometer. Your results may vary.



TWIN CAM ENGINE – SOFTAIL, BLACK AND CHROME 110B



TWIN CAM ENGINE – DYNA AND TOURING, BLACK AND CHROME 110A

TWIN CAM ENGINE

The balanced Twin Cam Engine has brought a whole new ride to the Softail® family. And now, you can get the most technologically advanced, air-cooled, V-Twin engines to refresh your ride. Available in 103CI and 110CI configurations, these engines are street compliant when installed in the models specified. Manufactured to the latest specifications, these engines are available in a variety of finishes to suit your customizing direction. See your Dealer for details.

NOTE: CVO™ 103B engines now feature factory installed Screamin' Eagle® Hydraulic Cam Chain Tensioner Plate and Oil Pump upgrade kit. This latest cam chain tensioner design will significantly outlast the Original Equipment-style spring tensioners and the upgraded oil pump increases oil flow by 8% and oil scavenging by 22%.

1800cc Screamin' Eagle® Twin Cam 110B™

Fits '07-later CVO Softail models. Does not include intake system, timer cover, stator, rotor or compensating sprocket assembly.

19293-16 Black and Chrome.

1690cc Screamin' Eagle Twin Cam 103B™

Fits '06 FLSTFSE models. Includes Screamin' Eagle Hydraulic Cam Chain Tensioner and Oil Pump upgrade. Does not include intake system, timer cover, stator, rotor or compensating sprocket assembly.

19293-06D Black and Chrome.

19296-06D Silver and Chrome.

1690cc Twin Cam 103B

Fits '12-later Softail models factory equipped with a Twin Cam 103B engine. Does not include intake system, timer cover, stator, rotor or compensating sprocket assembly.

19811-16 Black and Chrome.

1800cc Screamin' Eagle Twin Cam 110A

Fits '13-'14 FLHRSE, '08-'13 FLHTCUSE, FLTRXSE and FLTRUSE and '10-later FLHXSE models. Requires installation of oil cooler and cover kit. Does not include intake system, timer cover, stator, rotor or compensating sprocket assembly.

19176-16 Black and Chrome.

1690cc Twin Cam 103A

Fits '10-'13 FLHTK, '11-'13 Touring and '10-'13 FLHTCUTG and FLHXXX models factory equipped with Twin Cam 103A engine. Does not include intake system, timer cover, stator, rotor or compensating sprocket. Does not fit Twin-Cooled equipped models.

19678-13B Black and Chrome.

1690cc Twin Cam 103A

Fits '14-later Touring (except Twin-Cooled™) and '15-later FLRT models. Does not include intake system, timer cover, stator, rotor or compensating sprocket assembly.

19678-16 Black and Chrome.

1690cc Screamin' Eagle Twin Cam 103A

Fits '06 FLHTCUSE models. Includes Screamin' Eagle Hydraulic Cam Chain Tensioner and Oil Pump upgrade. Requires installation of Oil Cooler P/N 62994-04 and Cover Kit P/N 62995-04. Does not include intake system, timer cover, stator, rotor or compensating sprocket assembly.

19264-06D Silver and Chrome.

110 ENGINES

Revolution X™ & Revolution® Engines

NEW

A. REVOLUTION X™ XG750 ENGINE

With the launch of the new Harley-Davidson Street® motorcycles, the world has been introduced to a new powertrain from Harley-Davidson. This engine is now available from your dealer. Available in black, the engine comes complete with clutch system, stator/rotor charging system and transmission. Does not include throttle body or ECM.

20022-16 Black and highlighted.
Fits '15-later XG750 models.

B. REVOLUTION® VRSC™ ENGINE

With the launch of the V-Rod® motorcycle in 2002, the world was introduced to a revolutionary new powertrain and now the Revolution engine is available from your Harley-Davidson dealer. Available in gloss black 1250cc configuration as featured as Original Equipment on the 2015 V-Rod models.

19973-16K Gloss Black.
Fits '12-later VRSC™ models. Does not include charging system or induction system.



A. REVOLUTION X XG750 ENGINE



B. REVOLUTION VRSC ENGINE – GLOSS BLACK

NOTE: Replacement engines must be re-fitted with emission control devices and systems, appropriate for the vehicle model and model year in order to ensure emissions compliance. Failure to do so constitutes tampering under US EPA guidelines and can lead to substantial fines and penalties.

Compliant for use on public roads only when installed in the specified models. Not compliant for use on public roads when installed in models other than the ones specified and not eligible for the P&A 24-month warranty when installed in models other than the ones specified. Please see the Parts and Accessories warranty statement and your dealer for more information.

LongBlock

When it comes time to repower your Twin Cam-equipped motorcycle, the first stop should be your local Harley® dealer. They can install a LongBlock replacement engine that is manufactured from 100% new Original Equipment parts and subjected to the same rigorous testing as all Harley engines. Plus, the replacement engine features a one-year factory warranty and your original VIN stamped on the case.



HARLEY-DAVIDSON® LONGBLOCK PROGRAM

Your engine is the heart and soul of your Harley-Davidson® motorcycle. When the miles start to add up, a Harley-Davidson® LongBlock can put the rumble back in your ride simply, quickly and affordably.

WHY SHOULD I CONSIDER A LONGBLOCK?

Unlike an engine rebuild from the repair shop down the street, the Harley-Davidson LongBlock is manufactured from 100% new Original Equipment components and is built to the latest factory specifications. Engine includes upgraded Screamin' Eagle® lefty crankcase bearing, Screamin' Eagle cam bearings and Screamin' Eagle performance tappets to handle higher stress loads and performance upgrades. In addition, '99-'06 LongBlocks are upgraded with late-model hydraulic cam tensioners, high-volume oil pump and billet cam plate. '07-'13 103CI and 110CI engines feature factory-installed Automatic Compression Releases.

WHAT DOES THE H-D® LONGBLOCK INCLUDE?

The crankcase is pre-assembled with flywheels, connecting rods, bearings, seals, cylinders, pistons, rings, heads, valves, valve springs, tappets and pushrod covers. Also included and ready for Dealer installation are top end rocker arm supports, rocker arms and shafts, pushrods, and breathers. The LongBlock also includes cam support plate, cam plate bearings, cam and timing chain drive, hydraulic tensioners and all required gaskets and new hardware.

ARE UPGRADES AVAILABLE?*

You can choose silver or black-highlighted engines to match your styling direction. Bikes originally equipped with Twin Cam 88® engines can upgrade to 95 or 103CI displacement and Twin Cam 96-equipped models can be repowered with 103 or 110CI engines, based on specific model fitment. Upgrades require model-specific ECM recalibration (sold separately).

WHAT ELSE DO I NEED?

LongBlock is sold without cam shafts, lower rocker boxes, upper rocker box covers or cam cover. You have the option to re-install your current cams and covers or select from a wide assortment of performance and custom engine cover options.

FAST AND EASY:

Just take your Harley® motorcycle to your authorized dealership. They will remove the engine from the frame, ship the left crankcase half to Harley-Davidson and in a short time, you will have a new LongBlock back, ready for the dealer to reinstall in your bike. Your engine retains its original Vehicle Identification Number (VIN) for easy title exchange and registration.

**Displacement upgrades are available for vehicles previously equipped with street compliant big bore kits only.*

Also available:

ENGINE COVER KITS

Finish your LongBlock engine installation in style. Kit includes 2 upper and lower rocker box covers and matching cam cover.

Fits '01-later Dyna®, '01-later Softail® and '01-later Touring (except '01 EFI Touring) and Trike models.

92500025	Chrome.
92500026	Gloss Black.
92500027	Wrinkle Black.



Available to fit:

'00-'06 Softail models.

16200087	Twin Cam 88 – Black.*
16200088	Twin Cam 88 – Silver.

'01-'06 EFI Softail models.

16200093	Twin Cam 95 – Black.*
16200094	Twin Cam 95 – Silver.*

'05-'06 EFI Softail models.

16200097	Twin Cam 103 – Black.*
16200098	Twin Cam 103 – Silver.*

'07-'14 Softail models.

16200101	Twin Cam 96 – Black.
16200102	Twin Cam 96 – Silver.
16200104	Twin Cam 103 – Black.*
16200108	Twin Cam 110 – Black.*
16200109	Twin Cam 110 – Granite.*

'99-'05 Dyna and '99-'06 Touring models.

16200085	Twin Cam 88 – Black.
16200086	Twin Cam 88 – Silver.

'04-'05 EFI Dyna and '99-'06 EFI Touring models.

16200091	Twin Cam 95 – Black.*
16200092	Twin Cam 95 – Silver.*

'03-'06 EFI Touring models.

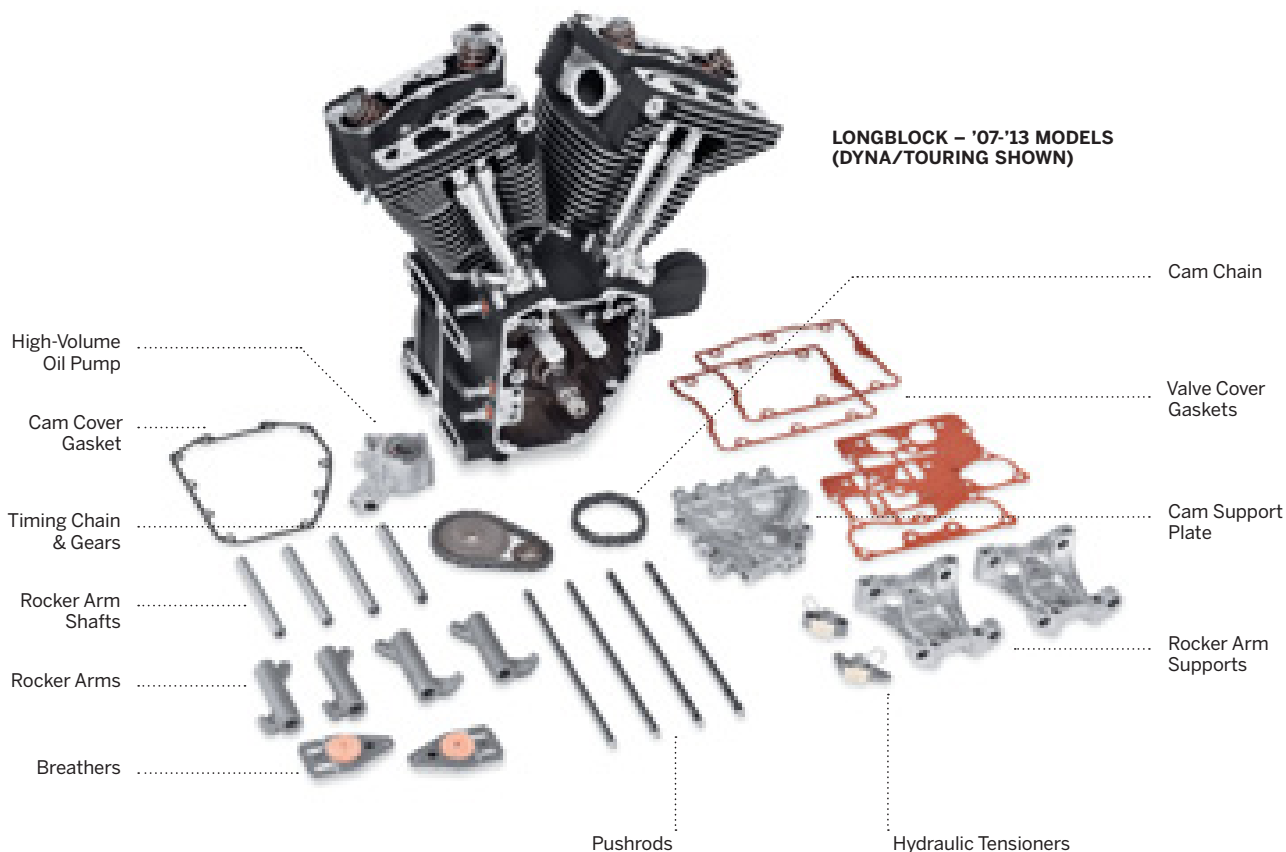
16200095	Twin Cam 103 – Black.*
16200096	Twin Cam 103 – Silver.*

'06-'14 Dyna and '07-'14 Touring models.

16200099	Twin Cam 96 – Black.
16200100	Twin Cam 96 – Silver.

'07-'14 Dyna and '07-'14 Touring models.

16200103	Twin Cam 103 – Black.*
16200105	Twin Cam 110 – Black.*
16200106	Twin Cam 110 – Granite.*



NOTE: All fasteners are included but not shown.

SPECIALTY TOOLS

TIME TO GET DIRTY

Building a performance engine requires a lot of skill – and more than a little inside knowledge. Your local Harley-Davidson® Dealer is equipped and ready to take on the challenge. The Dealer's technical staff has spent countless hours at Harley-Davidson University® learning the techniques and continues to polish their skills doing the work every day. But if you want to do it yourself, there are Screamin' Eagle® special tools to get you started.





**A. ENGINE ASSEMBLY/DISPLAY STAND
(SHOWN WITH OPTIONAL
MAGNETIC HARDWARE TRAY)**



**B. SCREAMIN' EAGLE ENGINE CASE
SUPPORT BLOCKS**



**C. SCREAMIN' EAGLE MAINSHAFT SPROCKET
AND PULLEY LOCKNUT REMOVAL AND
INSTALLATION TOOL**



**D. SCREAMIN' EAGLE FINAL DRIVE
PULLEY LOCKING TOOL**

A. ENGINE ASSEMBLY/DISPLAY STAND

This dual purpose engine stand provides support to the Twin Cam Alpha (Dyna®/Touring) crankcase during engine tear-down and assembly and also provides a means to display the completed engine. Heavy duty steel stand can be used free-standing on its non-marking rubber feet or bolted to the bench for added stability. Stand features a laser-cut Bar & Shield logo.

94845-10

For use with Twin Cam Dyna, Touring and Trike engines.

B. SCREAMIN' EAGLE® ENGINE CASE SUPPORT BLOCKS

This innovative tool is designed to protect the left engine case while servicing the inner balancer bearings or performing other general engine work. These blocks attach to the outer side of the engine case underneath the balancer bearing pads surface. The blocks are made of aluminum and have inserted Delrin® pads that rest against the case to prevent marring. The blocks properly support the case, keeping it on a level plane when using a press for bearing service work.

14900004

For use on '00-later Softail® engines.

C. SCREAMIN' EAGLE MAINSHAFT SPROCKET AND PULLEY LOCKNUT REMOVAL AND INSTALLATION TOOL

This extended-length socket is designed to fit over the long transmission shaft simplifying the removal and installation of the large transmission pulley locknuts. Manufactured from hardened tool steel, the socket includes a stabilizer spacer that keeps the threaded shaft end from hitting the socket during removal and installation.

94137-09

For use on '84-'99 Evolution® 1340-equipped models and '99-'05 Dyna, '00-'06 Softail and '99-'06 Touring models.

94141-10

For use on '06-later Dyna and '07-later Softail, Touring and Trike models.

D. SCREAMIN' EAGLE FINAL DRIVE PULLEY LOCKING TOOL

Locks the engine's final drive sprocket so that you can loosen the pulley nut. Pulley Lock Tool also eliminates any damage to pulley. Use with Mainshaft Sprocket and Pulley Locknut Removal Tool P/N 94137-09 and 94141-10.

14900003

For use with '80-later belt-drive Big Twin models.

E. SCREAMIN' EAGLE PRIMARY DRIVE LOCKING TOOL

This tool is designed to keep the primary drive system from rotating during the installation and removal of the compensator sprocket nut or the clutch hub nut. The tool is easily inserted into the primary drive system and wedges in place to restrict movement without damaging the sprocket teeth.

94102-09

For use on '07-later Touring and Trike models.

14900002

For use on '06-later Dyna and '07-later Softail models.

F. SCREAMIN' EAGLE PUSHROD TUBE INSTALLATION AND REMOVAL TOOL

This handy tool simplifies the removal and installation of the retaining clip on Harley-Davidson® collapsible pushrod tubes. Convenient design reduces the risk of scratched engine parts and hands and the quality composite handles provide a sure and solid grip.

94086-09

For use on Harley-Davidson collapsible pushrod tubes.



**E. SCREAMIN' EAGLE PRIMARY DRIVE
LOCKING TOOL**



**F. SCREAMIN' EAGLE PUSHROD TUBE
INSTALLATION AND REMOVAL TOOL**

116 TOOLS

A. SCREAMIN' EAGLE® MAGNETIC LIFTER HOLDERS

Simplify engine cam swaps. During rebuild, the lifters drop down onto the cam lobes, making it difficult to remove or install the cam. This clever tool uses strong magnets to hold the lifters up and out of the way while removing or installing the cams. Manufactured from 6061-T6 billet aluminum, these handy tools are orange anodized to make them easy to find in a crowded tool chest. Sold in pairs, a set allows you to service both front and rear lifters at the same time.

93979-10

For use on '99-later Twin Cam models.

B. SCREAMIN' EAGLE TWIN CAM CHAIN TENSIONER TOOL

A must for any camshaft work, this tool lets you easily assemble and disassemble cams by unloading the pressure on the primary and secondary chain tensioners on early Twin Cam models.

94075-09

For use on '99-'05 Dyna®, '00-'06 Softail® and '99-'06 Touring models.

C. SCREAMIN' EAGLE CAM LOCKING TOOL

Tool allows a technician to effectively lock the camshaft and crankshaft sprockets to properly remove, replace and torque the sprocket bolts. Tool is made from non-marring Delrin® material to protect the crank and cam sprocket teeth and surface finishes.

94076-09 Roller Chain.

For use on '06-later Dyna, '07-later Softail, Touring and Trike models.

94077-09 Silent Chain.

For use on '99-'05 Dyna, '00-'06 Softail and '99-'06 Touring models.

D. SCREAMIN' EAGLE CAMSHAFT REMOVAL AND INSTALLATION TOOL

This multi-function tool is designed to remove and replace the front and rear camshafts and the ball bearings of a Twin Cam 88®-based engine. It precisely aligns the camshaft to ensure smooth press-in and press-out of the support plate.

94085-09

For use on '99-'05 Dyna, '00-'06 Softail and '99-'06 Touring models.

E. SCREAMIN' EAGLE INNER CAM BEARING REMOVAL TOOL

This precision tool simplifies the removal of the inner cam bearing, and reduces the risk of damaging the crankcase. Tool is also designed to keep the pin rollers from accidentally falling into the crankcase.

94078-09

For use on '99-'05 Dyna, '00-'06 Softail and '99-'06 Touring models.

94144-09

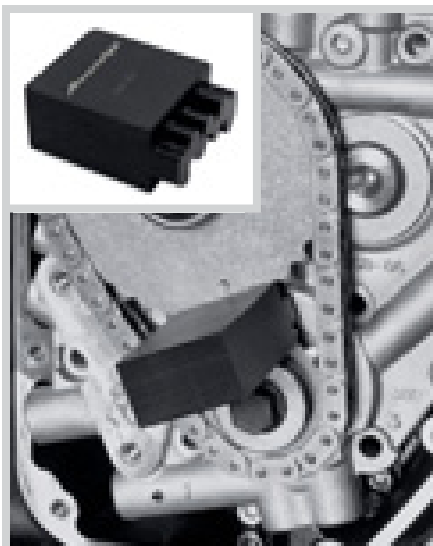
For use on '06-later Dyna and '07-later Softail and Touring and Trike models.



A. SCREAMIN' EAGLE MAGNETIC LIFTER HOLDERS



B. SCREAMIN' EAGLE TWIN CAM CHAIN TENSIONER TOOL



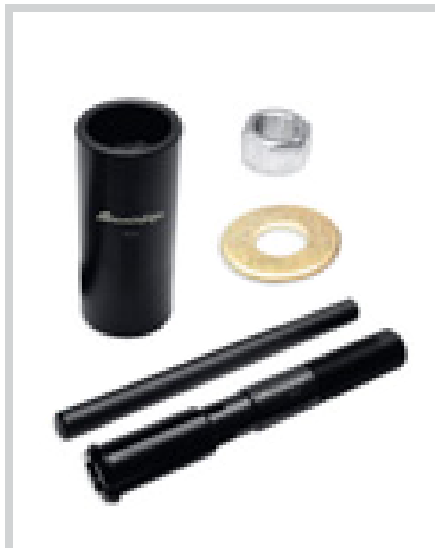
C. SCREAMIN' EAGLE CAM LOCKING TOOL – ROLLER CHAIN



C. SCREAMIN' EAGLE CAM LOCKING TOOL – SILENT CHAIN



D. SCREAMIN' EAGLE CAMSHAFT REMOVAL AND INSTALLATION TOOL



E. SCREAMIN' EAGLE INNER CAM BEARING REMOVAL TOOL



F. SCREAMIN' EAGLE INNER CAM BEARING INSTALLATION TOOL



G. SCREAMIN' EAGLE MAINSHAFT BEARING RACE REMOVAL AND INSTALLATION TOOL



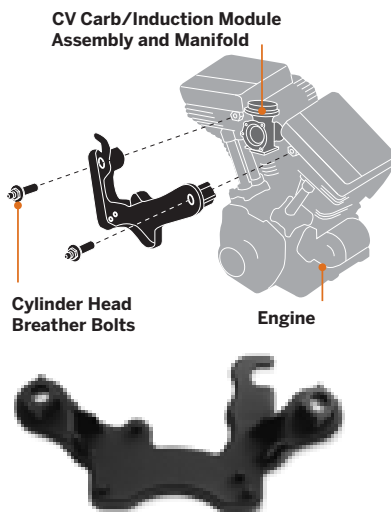
H. SCREAMIN' EAGLE CRANKCASE BEARING INSTALL/REMOVAL TOOL



I. SCREAMIN' EAGLE CRANKCASE MAIN SEAL INSTALL/REMOVAL TOOL



J. SCREAMIN' EAGLE EXHAUST SAMPLING ADAPTER INSTALLATION TOOL (SHOWN WITH SAMPLE RIVNUT FASTENER & SEALING PLUG)



K. INDUCTION ALIGNMENT BRACKET KIT

F. SCREAMIN' EAGLE® INNER CAM BEARING INSTALLATION TOOL

This precision tool is designed to ease the installation of the inner cam bearing into the bore. Manufactured from hardened tool steel, this precision tool perfectly positions the bearings and prevents the pin bearings from falling into the engine case.

94107-09A

For use on '99-later Twin Cam engines featuring both early- and late-model inner cam bearing designs.

G. SCREAMIN' EAGLE MAINSHAFT BEARING RACE REMOVAL AND INSTALLATION TOOL

This tool is designed to easily remove and install the bearing race on the transmission mainshaft. Manufactured from hardened tool steel, the tool operates with standard wrenches.

94129-09

For use on '84-'99 Evolution® 1340-equipped models, and '99-'05 Dyna®, '00-'06 Softail® and '99-'06 Touring models.

H. SCREAMIN' EAGLE CRANKCASE BEARING INSTALL/REMOVAL TOOL

This heavy-duty tool is designed to provide adequate support for the crankcase and appropriate guidance to the bearing while using a press to remove and install crankcase bearings. Precision-made of Delrin® material to prevent marring; this tool can be used on pinion and sprocket side bearings on Dyna and Touring models and sprocket side bearings on Softail models.

14900014

For use on '03-later Twin Cam engines.

I. SCREAMIN' EAGLE CRANKCASE MAIN SEAL INSTALL/REMOVAL TOOL

This precision tool is designed to remove and install the crankcase main seal with the engine still in the vehicle. The unique design reduces the risk of damage to the crankcase and crankshaft. Manufactured from hardened tool steel, the kit includes adaptors required for use on both Twin Cam 88®- and Twin Cam 96™-based engines.

14900015

For use on '99-later Twin Cam engines.

J. SCREAMIN' EAGLE EXHAUST SAMPLING ADAPTER INSTALLATION TOOL

This tool is used to permit the connection of an air-to-fuel ratio "sniffer" to the exhaust header pipes for exhaust gas evaluation. Traditionally, the "sniffer" tool is inserted into the muffler to collect a sample for analyzing the engine's operating air-to-fuel ratio, but if the exhaust system is equipped with a catalyst, the sample collected at the tail pipe will not be accurate. This tool allows the exhaust gas sample to be taken ahead of the catalyst, resulting in accurate air-to-fuel ratio values.

14900008

For use during Dyno testing.

Also available:

SCREAMIN' EAGLE EXHAUST SAMPLING ADAPTER AND ADAPTER PLUG HARDWARE KIT

Kit includes 40 Rivnut® fasteners and 40 sealing plugs.

14900011

For use with Exhaust Sampling Adapter Tool P/N 14900008.

K. INDUCTION ALIGNMENT BRACKET KIT

The Induction Alignment Bracket Kit provides exact alignment and easy installation of engine intake manifolds, preventing intake air leaks.

40054-01

For use on Twin Cam and Evolution 1340 engines equipped with CV Carburetors or Electronic Fuel Injection.

118 TOOLS

A. SCREAMIN' EAGLE® CASE BORING TOOL

The Screamin' Eagle® Case Boring Tool takes the guesswork out of boring Twin Cam engine cases to accept oversize cylinders. Designed to be used with a heavy-duty 15.0" drill press or milling machine, the fixture holds and aligns the cases for accurate machining. Ideal for installing certain Twin Cam 110™ cubic inch Stage Kits or race-use "bigger bore" 113 cubic inch stroker cylinders.

94419-06

For use on '99-later Twin Cam engines.

B. SCREAMIN' EAGLE TIMKEN® BEARING TOOL

Timken® tool allows you to convert 2003-later Twin Cam models with a factory-installed output shaft roller bearing to a Timken tapered bearing. Tool allows technician to press in a bearing sleeve without having to do a precision crank-case boring operation. Sleeve presses in and is retained with screws. Timken bearing races are then pressed into the sleeve. Timken Bearing Sleeve P/N 34822-08 is sold separately.

34823-08

For use on '03-later Twin Cam-equipped models.

C. SCREAMIN' EAGLE AUTOMATIC COMPRESSION RELEASE TOOL

This kit provides all the fixtures and tools necessary for a machinist to install Automatic Compression Release (ACR) valves onto stock or Screamin' Eagle Performance cylinder heads. Complete installation requires separate purchase of Automatic Compression Release Kit P/N 28861-07A and model-specific Wiring Harness P/N 70623-06 or 70623-08.

94648-08

For machining of '99-later Twin Cam Original Equipment cylinder heads (except Twin-Cooled™ models) or Screamin' Eagle Performance Heads P/N 16952-08, 16953-08, 16952-99C and 16953-99C.

D. SCREAMIN' EAGLE MECHANICAL COMPRESSION RELEASE MACHINING FIXTURE

Simplify the addition of mechanical compression releases to your stock Twin Cam cylinder heads. The fixture allows precision accuracy for the drilling, spot facing and tapping necessary to install Compression Release Kit P/N 32076-04 (sold separately). Fixture accommodates the machining of the front and rear heads, even when the valves are already in place and when the process is complete, the Compression Release Kit P/N 32076-04 threads in place.

94638-08

For use on '99-later Twin Cam models (except Twin-Cooled models).

E. SCREAMIN' EAGLE VALVE SPRING INSTALLATION/REMOVAL TOOL

The Screamin' Eagle Valve Installation/Removal Tool is used with a conventional .5" or larger drill press to hold a head at the proper angle and compress the valve spring so the retainers can be installed or removed. Kit contains universal Screamin' Eagle engraved base, Twin Cam cylinder head fixture plate, and a valve press pin. XL/Evolution® 1340 Cylinder Head Fixture Plate P/N 14900036 sold separately.

14900035

For use with '99-later Twin Cam cylinder heads. '86-later XL and '84-'99 Evolution 1340 cylinder heads requires separate purchase of Fixture Plate P/N 14900036.

Shown with:

14900036 XL Fixture Plate.

For use with '86-later XL cylinder heads and '84-'99 Evolution 1340 cylinder heads. Requires separate purchase of Valve Spring Installation/Removal Tool P/N 14900035.



A. SCREAMIN' EAGLE CASE BORING TOOL



B. SCREAMIN' EAGLE TIMKEN BEARING TOOL



C. SCREAMIN' EAGLE AUTOMATIC COMPRESSION RELEASE TOOL



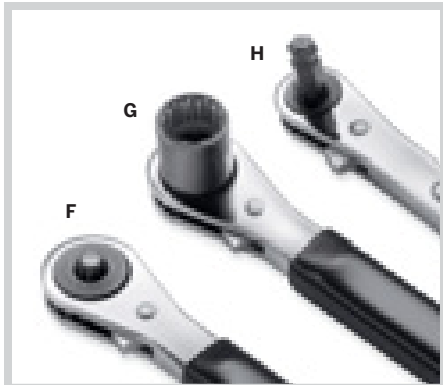
D. SCREAMIN' EAGLE MECHANICAL COMPRESSION RELEASE MACHINING FIXTURE



E. SCREAMIN' EAGLE VALVE SPRING INSTALLATION/REMOVAL TOOL (SHOWN WITH XL FIXTURE PLATE)



E. SCREAMIN' EAGLE VALVE SPRING INSTALLATION/REMOVAL TOOL (SHOWN WITH XL FIXTURE PLATE)



SCREAMIN' EAGLE WRENCHES



F. SCREAMIN' EAGLE ROCKER BOX BOLT RATCHETING WRENCH

F. SCREAMIN' EAGLE® ROCKER BOX BOLT RATCHETING WRENCH

This high-quality wrench simplifies working on the rocker box while the engine is mounted in the motorcycle's frame. This tool features a low-profile design to allow access to the tight spaces between the frame and the engine. The wrench has a long handle for increased reach, a replaceable bit and a reversible ratcheting action so the socket head cap screw can be ratcheted in or out. The comfortable soft vinyl grip with Screamin' Eagle logo protects the engine from scratches.

94057-09

For use on all Harley-Davidson® Big Twin rocker box covers.

G. SCREAMIN' EAGLE LOWER ROCKER BOX WRENCH

This quality long-handled wrench is designed to simplify installation and removal of the lower rocker box on Twin Cam engines. The special 7/16" socket is shaped to reach these confined areas. The comfortable soft vinyl grip with Screamin' Eagle logo protects the engine from scratches.

94074-09

For use on Twin Cam engines.



G. SCREAMIN' EAGLE LOWER ROCKER BOX WRENCH



H. SCREAMIN' EAGLE INTAKE MANIFOLD WRENCH

H. SCREAMIN' EAGLE INTAKE MANIFOLD WRENCH

This reversible ratcheting box wrench simplifies and speeds up the installation and removal of the intake manifold socket head cap screws used on Big Twin engines. The comfortable soft vinyl grip with Screamin' Eagle logo protects the engine from scratches.

94063-09

For use on all Big Twin engines.

I. SCREAMIN' EAGLE FLYWHEEL SHAFT RATCHET WRENCH

This high-quality ratcheting tool enables technician to manually rotate the flywheel of the engine to check cam timing and to inspect valve-to-valve, piston-to-valve and piston-to-piston clearances. Designed to easily slip over the output crankshaft spline, the wrench features a simple-to-use finger-operated lever to reverse the ratcheting direction.

94038-09 24 Tooth Spline.

For use on '06-later Dyna® and '07-later Softail®, Touring and Trike models.

94088-09 Sportster® Spline.

For use on '72-later XL and XR models.

94089-09 10 Tooth Spline.

For use on '72-'06 Big Twin engines (except '06 Dyna models).



I. SCREAMIN' EAGLE FLYWHEEL SHAFT RATCHET WRENCH



J. SCREAMIN' EAGLE TORQUE ANGLE GAUGE

J. SCREAMIN' EAGLE TORQUE ANGLE GAUGE

This tool allows you to use the same precise assembly techniques used at the factory. Many fasteners on the engine should be tightened to an initial torque value and then turned an additional prescribed angle to ensure that the fastener has the appropriate amount of "stretch" and attains the required clamp load. Tightening fasteners by torque specification alone can result in insufficient or over-tightening because of nicked or dirty threads. The easy-to-read dial face provides precise measurement and the .375" drive makes this tool compact and easy to use in most applications.

94147-10

For use on applications where torque angle measurements are specified during assembly, e.g. head bolts.

K. SCREAMIN' EAGLE O₂ SENSOR SOCKET

This cut-away socket is designed to clear the wire lead and simplify the removal or installation of the oxygen sensor on closed loop fuel-injected models. Manufactured to withstand the installation torque requirements, the socket features a .375" drive receiver.

94136-09

For use on '06-'11 VRSC™, '06-'13 XL, '06-'11 Dyna and Softail and '06-'09 Touring and Trike models.

93980-10

For use on '12-later VRSC, '14-later XL, '12-later Dyna and Softail and '10-later Touring and Trike models.

L. SCREAMIN' EAGLE AUTOMATIC COMPRESSION RELEASE REMOVAL TOOL

Socket designed for removal and installation of Harley-Davidson Automatic Compression Release solenoid.

94048-09

For all Harley-Davidson models equipped with Screamin' Eagle® Automatic Compression Release P/N 28861-07A.



K. SCREAMIN' EAGLE O₂ SENSOR SOCKET (93980-10 SHOWN)



L. SCREAMIN' EAGLE AUTOMATIC COMPRESSION RELEASE REMOVAL TOOL

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