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SEATS &

TWIN POWER CHROME OIL FILTERS WITH EASY-OFF NUT

These premium-quality oil filters feature a built in hex nut for easy removal.

Available with or without internal magnet

HARLEY-DAVIDSON	Year	Magnetic Oil Filter	Retail	Oil Filter	Retail
Twin Cam	99-16	603611	14.95	603613	12.95
Evolution	84-99	603612	14.95	603114	12.95
XL	84-16	603612	14.95	603114	12.95







Application specific filter media for proper filtering without oil carryover

Twin Cam filters feature anti-drainback valve

PLUS MAGNETIC OIL FILTERS

- Internal magnet holds ferrous debris under 10 microns
- Rolled and crimped edges to safeguard against leakage
- Built-in calibrated pressure relief valve
- Application specific filter media for proper filtering without oil carryover
- Twin Cam filters feature anti-drainback valve

DROP-IN OIL FILTERS

Everything needed for a quick oil change is included in these Quick-Change Kits. Includes one gallon 20W50 Twin Power™ oil and one Twin Power™ chrome oil filter.

Available in black or chrome-plated			C					
7 (Valiable III black o	r cirromic p	, ideca			Plus Magnet	tic	Drop-In	
HARLEY-DAVIDSON	Year	Finish	Oil Filters	Retail	Oil Filters	Retail	Oil Filters	Retail
Twin Cam	99-17	Chrome	6036031	9.95	603600 ¹	13.95		
Twin Cam	99-17	Black	6036021	8.95				
FLT, FLHT, FLHR	80-98	Chrome	603605 ²	10.95	603601 ²	12.95		
FLT, FLHT, FLHR	80-98	Black	603604 ²	7.45				
FLH-80 Classics	L82-84	Black	603607 ²	8.50				
FLH-80 Classics	L82-84	Chrome	603608 ²	11.95				
Big Twin	65-E82						603610	9.95
Softail	84-99	Chrome	603605 ²	10.95	603601 ²	12.95		
Softail	84-99	Black	603604 ²	7.45				
Dyna	91-98	Chrome	603606 ²	11.95				
FXR	82-94	Chrome	603605 ²	10.95	603601 ²	12.95		
FXR	82-94	Black	603604 ²	7.45				
FXWG, FXSB, FXEF	82-84	Black	603608 ²	11.95				
FXWG, FXSB, FXEF	82-84	Chrome	603607 ²	8.50				
Sportster	L84-17	Chrome	603605 ²	10.95	603601 ²	12.95		
Sportster	L84-17	Black	603604 ²	7.45				
XL, XLS, XLX, Sportster	80-E84	Black	603608 ²	11.95				
XL, XLS, XLX, Sportster	80-E84	Chrome	603607 ²	8.50				
Sportster	53-78						603610	9.95
VRSCA V-Rod	02-17	Chrome	603609 ²	9.50				
1 With backflow valve and will not	t work on Evolut	ion models						

² Without backflow valve

TWIN POWER OIL CHANGE-IN-A-BOX

Everything needed for a complete oil change (engine oil, ransmission oil, and primary oil) featuring quality Twin Power lubricants and filter. The Twin Power M Oil Change-In-A-Box gives you everything you need to give your bike some fresh lube. The Sportster kits include one gallon 20W50 Twin Power oil, one quart of Twin Power Sportlube and one Twin Power chrome oil filter. The Big Twin kits include one gallon of 20W50 Twin Power™ oil, one quart of Twin Power™ primary fluid, one quart of Twin Power™ semi-synthetic transmission fluid and one Twin Power™ chrome oil filter.

HARLEY-DAVIDSON	Year	P/N	Retail
FLH, FLT, FXST, FLST, FXD	99-17	410706 ^{1,2}	78.95
FLH, FLT, FXST, FLST, FXD	99-17	410699 ²	61.95
FLH, FLT, FXST, FLST, FXD, FXR	L84-99	410697 ³	61.95
XL	L87-17	410707¹	70.95
XL	L87-17	410696	46.95
¹ Synthetic ² Twin Cam models			





TWIN POWER QUICK-CHANGE KITS

Everything needed for a quick oil change is included in these Twin Power Quick-Change Kits. Includes one gallon 20W50 Twin Power™ oil and one Twin Power™ chrome oil filter.

HARLEY-DAVIDSON	Year	P/N	Retail
FLH, FLT, FXST, FLST, FXD	99-17	410705 ¹	62.95
FLH, FLT, FXST, FLST, FXD	99-17	410695	39.95
FLH, FLT, FXST, FLST, FXD, FXR	L84-99	410694	39.95
XL	L87-17	410694	39.95

¹ Synthetic

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OIL FILTER APPLICATION	ION CH	ART					Hiflofiltro	(®
BUELL	Year	O.E.M.	Туре	Finish	S&S®	Hiflofiltro®	Racing	K&N®
Blast 500	02-09		Without Back Flow Valve	Black		140177		401505
1125 R/CR	09-10		Without Back Flow Valve	Black		140564		401514
Firebolt XB9R	02-08		Without Back Flow Valve	Black		140177		401505
1200 White Lightning X1W	2002		Without Back Flow Valve	Black		490668		401505
Lightning XB9S	03-04		Without Back Flow Valve	Black		140177		401505
Lightning CityX XB9SX	05-10		Without Back Flow Valve	Black		140177		401505
Cyclone M2	97-02		Without Back Flow Valve	Black		490668		401505
Firebolt XB12R	04-10		Without Back Flow Valve	Black		140177		401505
Lightning S1, X1	94-02		Without Back Flow Valve	Black		490668		401505
Lightning XB12S/SS/SCG	04-10		Without Back Flow Valve	Black		140177		401505
Thunderbolt	94-02		Without Back Flow Valve	Black		490668		401505
Ulysses XB12X/XB12XT	06-10		Without Back Flow Valve	Black		140177		401505
HARLEY-DAVIDSON								
Twin Cam	99-17	63731-99	With Back Flow Valve	Black	4952601	490668	141171	401477
Twin Cam	99-17	63798-99	With Back Flow Valve	Chrome	4952611	490667	141271	401478
FLT, FLHT, FLHR	80-98	63805-80A	Without Back Flow Valve, Long	Black	495258	140170	140176	401491
FLT, FLHT, FLHR	80-98	63796-77	Without Back Flow Valve, Long	Chrome	495259	140270	140175	401492
FLH80 Classics	L82-84	63810-80T, 63782-80T	Without Back Flow Valve, Short	Chrome		140172		
FLH-80 Classics	L82-84	63810-80T, 63782-80T	Without Back Flow Valve, Short	Chrome				401479
Softail	84-99	63805-80A	Without Back Flow Valve, Long	Black	495258	140170	140176	401491
Softail	84-99	63796-77	Without Back Flow Valve, Long	Chrome	495259	140270	140175	401492
Dyna	91-98	63813-90	Without Back Flow Valve, Extra Long	Chrome		140173		401480
FXWG, FXSB, FXEF	82-84	63810-80T, 63782-80T	Without Back Flow Valve, Short	Chrome		140172		401479
FXR	92-94	63805-80A	Without Back Flow Valve, Long	Black	495258	140170	140176	401491
FXR	92-94	63796-77	Without Back Flow Valve, Long	Chrome	495259	140270	140175	401492
Sportster	L84-17	63805-80A	Without Back Flow Valve, Long	Black	495258	140170	140176	401491
Sportster	L84-17	63796-77	Without Back Flow Valve, Long	Chrome	495259	140270	140175	401492
XL, XLS, XLX, Sportster	80-E84	63810-80T, 63782-80T	Without Back Flow Valve, Short	Chrome		140172		401479
Street 500, 750	15-17	62700045	With Back Flow Valve	Black		140124		
VRSCA V-Rod	02-17	63793-01K	Without Back Flow Valve	Chrome		140174		401496
¹ Exc. Evolution models								

HIFLOFILTRO



HIFLOFILTRO® OIL FILTERS

Over 95 years of experience and manufactured with the world's highest quality materials.

- Test results prove 28% longer service life than O.E. and leading competitor brands
- Lower cost with higher quality when compared to O.E. filter

Hiflofiltro® Retail Price Chart

Mfg/N	P/N	Retail
HF171B	490668	7.76
HF171C	490667	10.42
HF170B	140170	7.76
HF170C	140270	10.42
HF173C	140173	13.78
HF172C	140172	10.27
HF174C	140174	10.27
HF175	140124	6.50
HF177	140177	8.56
HF564	140564	9.82

Hiflofiltro® Racing Retail Price Chart

Mfg/N	P/N	Retail
HF171BRC	141171	9.09
HF171CRC	141271	11.94
HF170CRC	140175	11.94
HF170BRC	140176	9.09





K&N® WRENCH-OFF OIL FILTERS FOR V-TWIN

High-flow synthetic media, ideal for synthetic oils.

- K&N® limited warranty
- Welded nut on canistér
- Pre-drilled for safety wire
- Heavy-duty canister
- Pre-lubed base seal

K&N® Retail Price Chart

Mfg/N P/N KN-171C 401478 KN-172C 401479	Retail 19.99
	40.00
KN-172C 401479	19.99
	15.99
KN-173C 401480	18.99
KN-170 401491	15.99
KN-177 401505	15.99
KN-564 401514	15.99
KN-171B 401477	15.99
KN-174C 401496	17.99





Constructed in a sturdy steel canister, which houses the finest filtering media and internal components available. Filter media traps the smallest possible particles while maintaining the lowest restriction to oil flow. Direct bypass: bypass oil does not pass over dirty filter media.

- Smaller diameter for easier installation
- Black or chrome finish available

S&S® Retail Price Chart

Mfg/N	P/N	Retail
310-0239	495258	11.65
310-0240	495259	14.66
310-0241	495260	11.65
310-0242	495261	14.66

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ARLEN NESS



ARLEN NESS REUSABLE BILLET OIL FILTERS FOR V-TWIN

Combines clean-sculpted billet styling with high-tech filter technology used in Formula 1, Nascar® and the aerospace industry. Oil filter element is made from laser-cut 304 stainless steel, medical-grade micronic cloth. Catches items down to 35 microns, which is about 3x better than most premium traditional oil filters. Filters maintain consistent flow under all conditions, including extreme heat, presence of water, and cold startups; where as most traditional paper filters can flow so poorly that they often cause the bypass valve to open and allow unfiltered oil into your engine. Simple filter cleaning and service.

- Available in beveled and deep-cut styles
- Choose from chrome or black anodize finish

HARLEY-DAVIDSON	Year	Finish	Deep Cut	Beveled	Retail
FLH	82-17	Chrome	260937	260939	179.95
FLH	82-17	Black	260938	260940	179.95
FXST	84-17	Chrome	260937	260939	179.95
FXST	84-17	Black	260938	260940	179.95
FLST	86-17	Chrome	260937	260939	179.95
FLST	86-17	Black	260938	260940	179.95
FXD	91-17	Chrome	260937	260939	179.95
FXD	91-17	Black	260938	260940	179.95
XL	85-17	Chrome	260937	260939	179.95
XL	85-17	Black	260938	260940	179.95





Replacement Spring & Oil Ring Set

P/N Retail 260941 4.95

NEW!

ARLEN NESS OIL FILTER COVERS

Fits over any O.E.M. or aftermarket Harley-Davidson® oil filter. Reuseable, just remove and reinstall on new oil filter every service or oil change.

- CNC-machined from forged billet aluminum
- Choose from 10-gauge, deep cut or beveled styles
- Available in a chrome or black-anodized finish

Style	Finish	P/N	Retail
10-Gauge	Black	263706	109.95
10-Gauge	Chrome	263707	109.95
Deep Cut	Black	263709	109.95
Deep Cut	Chrome	263710	109.95
Beveled	Black	263708	109.95
Beveled	Chrome	263711	109.95



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FLO® OIL FILTERS

- The filter element is made from medical grade, type 304 stainless steel micronic filter cloth to provide unmatched protection against oil contamination that results in engine damage
- Super-strength, nickel-plated neodymium rare earth magnet is installed in the top of the element for magnetic pre-filtering of the oil
- A sophisticated bypass is engineered for proper differential pressures and consistent operation, delivering a greater percentage of filtered oil while being very easy to clean
- The twist lock design assures positive filter element placement and allows for easy disassembly, inspection and cleaning
- A quad-ring gasket doubles the seal between the filter and the engine
- The filter housing is made out of a beautiful polished or black anodized aluminum, which not only looks trick but aids in dissipating heat
- The most technically advanced oil filters you can buy

BUELL	Year	Polished	Retail	Black	Retail
M2 Cyclone	97-02	030093	129.95	030097	129.95
X1 Lightning	96-02	030093	129.95	030097	129.95
S3 Thunderbolt	95-02	030093	129.95	030097	129.95
HARLEY-DAVIDSON	I				
Touring	82-17	030093	129.95	030097	129.95
Softail	84-17	030093	129.95	030097	129.95
Dyna	91-17	030093	129.95	030097	129.95
Sportster	85-17	030093	129.95	030097	129.95
V-Rod	01-17	030179	154.99		



JIMS® FORCEFLOW CYLINDER HEAD COOLER

Smooth, streamlined design will keep your Twin Cam running cooler on those hot summer days in stop and go traffic. JIMS® R & D department has come up with a serious way to drop the head temperatures by as much as 100°. Although this mounts in the horn area, JIMS® has designed a horn relocater hidden inside the fan housing; kit installs from horn location and is supported by center case bolt location. The fan can be installed to be turned on and off manually or it can be regulated by a thermostat controlled sensor that monitors head temperature and activates the fan when engine temperature rises. This kit is highly recommended for performance motors to help extend engine life.

 Complete kit includes high-powered fan, housing, horn, hardware and all wiring, along with detailed instructions

HARLEY-DAVIDSON	Year	Finish	P/N	Retail
FLH	99-13	Chrome	461252	529.50
FLH	99-13	Polished	461063	510.50
FLH	99-13	Black	461064	445.95
FLH	99-13	Silver	461065	445.95
FXST, FLST	00-13	Chrome	461252	529.50
FXST, FLST	00-13	Polished	461063	510.50
FXST, FLST	00-13	Black	461064	445.95
FXST, FLST	00-13	Silver	461065	445.95
FXD	99-13	Chrome	461252	529.50
FXD	99-13	Polished	461063	510.50
FXD	99-13	Black	461064	445.95
FXD	99-13	Silver	461065	445.95
CVO	00-13	Chrome	461251	41.50







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All Jagg kits supplied with all components for easy installation on specific applications.



JAGG LOW-MOUNT FAN ASSISTED **OIL COOLER KITS FOR V-TWIN**

All Jagg fan assisted kits include oil cooler, mounting hardware, oil hose, thermal switch, wiring harness, hose clamps and oil filter adaptor with built-in thermostats.

HARLEY-DAVIDSON	Year	P/N	Retail
Touring	09-16	475045	549.95
Touring	84-08	475047	549.95
Dyna	91-17	475050 ¹	549.95

California models require relocation of emissions canisters





JAGG VERTICAL FRAME MOUNT FAN ASSISTED OIL COOLER KITS FOR V-TWIN

All Jagg fan assisted kits include oil cooler, mounting hardware, oil hose, thermal switch, wiring harness, hose clamps and oil filter adaptor with built-in thermostats.

- Aluminum construction with durable powder-coated finish
- 10-tube, two-pass design offers significantly more cooling surface WideLines in-line turbulators add to its efficiency with minimal oil pressure loss or restriction
- Specifically designed to exceed the cooling demands of the modern V-Twin motorcycle
- Kits integrate a chrome or black channel along the outer edge of the cooler to complement your engine
- Unique, highly-durable, Uralite mounts, have a shock absorbing effect and clean styling

Note: Mounts to the left frame down-tube, spaced away from the frame to allow airflow to both the oil cooler and the engines cylinders. Vertical frame mount oil coolers may not fit models with lower fairings.

HARLEY-DAVIDSON	Year	P/N	Retail
Touring	84-16	475051 ¹	549.95
Softail	84-17	475051	549.95
Dyna	91-17	475051	549.95
Sportster	86-17	475051	549.95

1 Vertical frame mount oil coolers may not fit models with lower fairings



JAGG BRAIDED HOSE UPGRADE KIT

Set your bike apart and give your Jagg oil cooler installation a racy look with a set of performance braided oil hoses.

• This upgrade kit contains a three-foot length of either: bright stainless-steel braided hose, or black lightweight-fiber braided hose, one pair of aluminum hose separators in matching color, two pair of aluminum hose finishers with integrated wormdrive clamps, in matching color

Description	P/N	Retail
Black	475057	69.95
Stainless Steel	475058	69.95



JAGG OIL COOLERS continued from previous page.















475049

JAGG HORIZONTAL LOW-MOUNT OIL COOLER KITS

HARLEY-DAVIDSON	Year	Finish	6-Row	10-Row	Retail
Softail	00-17	Black	475040 ²		379.95
Touring	09-16	Black		475046	419.95
Touring	84-08	Black		475043	419.95
Touring	84-08	Chrome		475044	449.95
Dyna	91-17	Black		4750481	419.95
Dyna	91-17	Chrome		475049 ¹	449.95



- California models require relocation of emissions canister
 Will not fit models with ABS



JAGG VERTICAL FRAME-MOUNT OIL COOLER KITS

		Deluxe		Slimline		Wideline		Wideline	
HARLEY-DAVIDSON	Year	6-Row Black	Retail	6-Row Black	Retail	10-Row Black	Retail	10-Row Chrome	Retail
Touring	84-17	4750381	419.95	4750391	379.95	475041 ¹	419.95	4750421	449.95
Softail	84-17	475038	419.95	475039	379.95	475041	419.95	475042	449.95
Dyna	91-17	475038	419.95	475039	379.95	475041	419.95	475042	449.95
Sportster	86-17	475038	419.95	475039	379.95	475041	419.95	475042	449.95

¹ Vertical frame mount oil coolers may not fit models with lower fairings

Accessories

Description	P/N	Retail
Gasket Service Kit	475025	9.95
3/8" Worm Drive Hose Clamps Black	475036	12.95





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PRO-ONE™ BILLET OIL COOLER WITH TEMPERATURE GAUGE

Come with AN style fittings, oil lines sold separately. Chrome body incorporates slots to hide those ugly cooling fins while providing excellent cooling.

- Includes AN-6 fittings and requires AN-6 lines found in most shops
- For 1-1/2 in. diameter frame tubes, with gauge

Size	P/N	Retail
1-1/2 in.	621543	299.95
1" to 1-1/4"	621544	299.95





PRO-ONE™ OIL COOLER

- Enhance the look of your bike while adding oil cooling to help increase engine reliability
- Universal clamp fits 1, 1-1/8 and 1-1/4 in. front down tubes
- Kit comes with A/N type fittings and are chrome-plated
- Oil lines sold separately
- Available with or without gauge
- Fits all Evolution Big Twin models

Description	P/N	Retail
Without Pressure Gauge	620805	259.95
With Pressure Gauge	620806	299.95



SLIMELINE OIL FILTER ADAPTOR

Slimline Oil Filter Adaptor for the Harley-Davidson® EVO motor is the way to go when you want to get rid of the stock lines and set your bike up with custom oil lines. Replaces the stock oil filter mount on Harley® EVO motors and simply bolts to the stock location.

- CNC-machined from solid Billet Aluminum
- Chrome fittings and mounting hardware included
- Just add your custom oil lines and you're good to go
- Includes 3/8 in. external fittings
- 1/2 in. thickness provides a custom low-profile look

HARLEY-DAVIDSON	Year	Finish	P/N	Retail
Big Twin	92-99	Chrome	620804	79.95
Big Twin	92-99	Black	621545	79.95



PRO-ONE™ STASH TUBE/OIL COOLER CLAMP

Comes with nylon inserts for fitment on 1 in. frames. Only made to fit Pro-One stash tubes and oil coolers.

P/N	Retail
621539	59.95

KURYAKYNM



OIL COOLER COVER FOR V-TWIN

The factory oil cooler works great, but the stock black cover looks dull.

- Made from lightweight ABS
- Installs just like the factory cover and offers more chrome to help hide those unsightly oil lines
- Combine with Küryakyn Engine Chrome for the perfect show quality appearance

•					
HARLEY-DAVIDSON	Year	Mfg/N	Finish	P/N	Retail
FLH	11-16	7784	Chrome	419109	69.99
FLH	11-16	7690	Black	419994	69.99
FLHTCUTG	11-13	7784	Chrome	419109	69.99
FLHTCUTG	11-13	7690	Black	419994	69.99
FLRT	15-16	7784	Chrome	419109	69.99
FLRT	15-16	7690	Black	419994	69.99



OIL PRESSURE SENDER COVER FOR V-TWIN

The difference is in the details, sculpted chrome accessory adds life to the dull cast finish surrounding it.

Sold individually

Note: Not compatible with oil coolers.

HARLEY-DAVIDSON	Year	Mfg/N	P/N	Retail
FLH, FLT	07-11	8655	494358	69.99
FXST, FLST	00-17	8655	494358	69.99
FXD	06-17	8655	494358	69.99

944 2017 BIKER'S CHOICE CATALOG BIKER'S & CHOICE



S&S® OIL FILTER BRACKET

Specially designed and created for the 124 in. Twin Cam style S&S® engines. An oil cooler is especially useful for big inch applications, but is also a great idea when towing a trailer or just riding in hot weather conditions. Machined to make it easy to install an oil cooler in the pressure side of the system. If the cooler is not needed, simply install the pipe plugs in the threaded holes in the filter bracket, instead of the hose fittings. Machined from solid billet aluminum and polished to a show finish. Made of billet aluminum there are no voids or other casting defects in the material to cause leaks. The position of the filter has been shifted slightly to give additional clearance between the filter body and the crankcase for easier filter installation and removal.

Works with stock Twin Cam cases

481829

ADAPTOR FOR V-TWIN

and EFI EVO models

HARLEY-DAVIDSON

FLH

FXD

FXD

FXST, FLST

FXST. FLST

FEULING® OFFSET OIL FILTER

Adaptors allow easy hook up of any style remote oil cooler or

additional oil filter set up. These adaptors are designed with

a pressure relief valve versus the standard thermostat, which

Available in chrome or anodized black finish; fits Twin Cam

Rebuild kit comes with gasket, O-ring and hardware

Year

99-16

99-16

00 - 17

00 - 17

99-17

99-17

allows constant oil flow through your remote oil cooler with total

protection from starving the engine from oil flow; 1/8 in. NPT ports.

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-06	495214	154.95
FXST, FLST	00-06	495214	154.95
FXD	99-05	495214	154.95

481830



S&S® OIL FILTER BRACKET FOR 92-99 BIG TWIN ENGINES

Machined from solid billet aluminum and polished to a show finish. Made of billet aluminum there are no voids or other casting defects in the material to cause leaks. Also provides a convenient way to connect

• Can be used on all 70–99 Big Twin engines with S&S® crankcases

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	92-98	493251	239.95
FXST, FLST	92-99	493251	239.95
FXD	92-98	493251	239.95
FXR	92-94	493251	239.95

⊕FEULING



FEULING® OIL FILTER COOLERS FOR V-TWIN

Feuling's® oil filter cooler system makes a clean custom look, mounting between the frame rails in position to take advantage of the air flow from the front tire. Cleaner cooler oil with the Feuling® oil cooler/ filtration system. Designed with an internal spun glass element cartridge filter, which is used as an additional oil filter in conjunction with the factory spin on oil filter. Drastically reduces contamination and viscosity breakdown in the oil; protecting the engine from cylinder, piston, ring and bearing wear. Preventing extreme oil temperatures, promoting engine performance, longer engine life and extended oil change intervals

- Kits include filter cooler housing, replaceable spun-glass cartridge filter, gloss black mounting bracket, off-set oil filter adaptor, braided steel lines with swivel fittings, K&N® spin-on oil filter, ARP® 12-bolt fasteners and all necessary hardware
- Kits available in chrome finish with stainless lines and gloss black finish with black lines
- Housing measures 5 in. long and 3-3/4 in. diameter.
- Kits available in chrome finish with stainless lines and black finish with black lines

HARLEY-DAVIDSON	Year	Black	Retail	Chrome	Retail
FL Touring	99-16	481825	459.95	481824	459.95
Softail	00-17	481821	459.95	481820	459.95
Dyna	99-17	481823	459.95	481822	459.95
Dyna	99-17	4818271	459.95	4818261	459.95
		_			

481828

Rebuild Kit				
HARLEY-DAVIDSON	Year	Description	P/N	Retail
FLH	99-16	Rebuild Kit	481831	25.95
FXST, FLST	00-17	Rebuild Kit	481831	25.95
FXD	99-17	Rebuild Kit	481831	25.95

Finish

Chrome

Chrome

Chrome

Black

Black

Black

P/N

481829

481830

481829

481830

481829

481830

Retail

199.95

179.95

199.95

179.95

199.95

179.95



19.95



an oil cooler with a minimum of extra hose.

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	92-98	493251	239.95
FXST, FLST	92-99	493251	239.95
FXD	92-98	493251	239.95
FXR	92-94	493251	239.95





FUEL & AIR SYSTEMS TRANSMISSION & FINAL DRIVE

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WINDSHIELDS

SEATS & SISSY BARS

LUGGAGE

SECURITY & COVERS

TIRES &

WHEELS

BRAKES

CHASSIS

SUSPENSION

SHEET METAL

EXHAUST

ENGINE & OIL FILTERS

PRIMARY DRIVE

INDIAN & VICTORY

HANDLEBARS & CONTROL

CABLES

FOOT CONTROL

INSTRUMENT & LIGHTING

ELECTRICAL

TRAILERS & RAMPS

CHEMICALS & LUBES

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LUGGAGE

SECURITY & COVERS

> TIRES & WHEELS

> > **BRAKES**

CHASSIS

SUSPENSION

SHEET METAL

EXHAUST FUEL & AIR

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TRANSMISSION & FINAL DRIVE

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F00T CONTROL

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BIKER'S CHOICE® OIL FILTER AND REGULATOR MOUNTING KIT FOR V-TWIN

Kit combines oil filter and regulator mounting.

- Chrome-plated Bolts to front motor mount
- Ideal for custom applications
- Hardware included
- Accepts oil filter P/N 603608
- H-D®# 63782-80T (Chrome)
- Excludes 81-84 4-Speed FL with stock ignition module, Twin Cam and Rubbermount models

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	76-80	490004	96.95
FXST	84-99	490004	96.95
FX	76-86	490004	96.95



BIKER'S CHOICE® OIL FILTER HOUSING COVER KIT FOR V-TWIN

Dresses up the stock oil filter housing and frame mounting boss, complete with chrome hardware.

Show-chromed finish

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	92-98	491013	28.50
FXST, FLST	92-99	491013	28.50
FXD	92-98	491013	28.50
FXR	92-94	491013	28.50

BIKER'S CHOICE® OIL FILTER ADAPTOR FOR V-TWIN

Custom designed to mount oil filter at generator location.

Satin finish

EL, FL

HARLEY-DAVIDSON





BIKER'S CHOICE® SLIM OIL FILTER ADAPTOR KIT FOR V-TWIN

- Chrome-plated
- Hardware and external fitting included

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	92-98	493220	59.95
FXST, FLST	92-99	493220	59.95
FXD	92-98	493220	59.95
FXR	92-94	493220	59.95





BIKER'S CHOICE® OIL FILTER MOUNT FOR V-TWIN

- Chrome-plated die cast
- Bolts directly to the engine

Stock Style

- Threaded for stock style compression fittings
- Includes chrome fitting and seals

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-07	601601	39.95
FLH	92-98	215518	45.95
FXST, FLST	00-07	601601	39.95
FXST, FLST	92-99	215518	45.95
FXD	99-07	601601	39.95
FXD	92-98	215518	45.95

Custom Style

- Tapped to pipe thread to allow use of rubber lines
- Includes chrome fittings

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	92-98	215579	42.95
FXST, FLST	92-99	215579	42.95
FXD	92-98	215579	42.95



COLONY OIL FILTER MOUNT KIT



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	92-98	044541	4.99
FXST, FLST	92-99	044541	4.99
FXD	92-98	044541	4.99
FXR	92-94	044541	4.99



GARDNER-WESTCOTT OIL FILTER MOUNT

Allen



215579

S&S® TIPS

CALCULATING HEAD BOLT LENGTH

Add: A-cylinder length gasket surface to gasket surface measurement

- + B base gasket thickness
- + C head gasket thickness
- + D or E cylinder head thickness gasket surface to head bolt washer pad measurement: D short side for S&S & L85-90 H-D® = 1.207 in., 91-99 H-D®
- = 1.405 in.; E long side for S&S and all $H-D^{\otimes} = 2.700$ in.
- + F desired thread engagement, .563 in. usually 1-1/2 times diameter; stock studs are 3/8 in.

Subtract: G - cylinder stud install height, crankcase deck to top of stud measurement

HOW TO CHECK FOR POSSIBLE VALVE TO VALVE INTERFERENCE

- 1. You must know what TDC, Top Dead Center is; it should be listed on the instruction sheets of all cams; write down the number for the cam you are using; for example, for an EV51 cam, the TDC lift = .223 in.
- 2. Minimum valve to valve clearance should be .060 in.
- 3. Calculate the minimum valve separation distance as follows: Minimum Valve Separation Distance = TDC lift + clearance.
- 4. For EV51 cams, Minimum Valve Separation Distance = .233 in. + .060 in. = .293 in.
- 5. Measure the separation between the two valves when they are seated. If actual measurement is not at least .293 in., modifications will be necessary to avoid valve to valve interference, cut seats deeper or back cut valves
- 6. Remember, this technique is not for piston to valve clearance.

HOW TO FIGURE OUT WHAT THE INSTALLED SPRING HEIGHT SHOULD BE

- 1. Using both top and bottom collars, place spring assembly in a small vise and close vise until the outer spring is compressed solid. Be careful when compressing springs in a vise.
- 2. Now measure the distance between spring lands and write down the number for later use; this is the Solid Height.
- 3. Calculate minimum installed spring height as follows: installed height=solid height + .060 in. + maximum valve lift.
- 5. For an EV51 cam using Andrews Products springs and collars, installed spring height=1.190 in. + .060 in. + .510 in. =1.760 in.
- 6. This technique will work for any cam and spring system as long as measurements are carefully made.
- 7. At time of installation, make sure that .050 in. minimum clearance is present between top of valve and bottom of upper spring collar at maximum cam lift.
- 8. Solid height + .560 in. refers to spring forces when the valve is seated, .560 in. is assumed spring travel.

S&S® STOCK CYLINDER LENGTH CHART

Engine Style	Year	Length
Knucklehead 61"	36-47	5.405"
Knucklehead 74"	36-47	5.530"
Panhead 61"	48-52	5.205"
Panhead 74"	48-65	5.330"
Shovelhead 74" & 80"	66-84	5.330"
Evolution 80"	84-99	5.550"
Twin Cam 88"	99-14	4.937"
Ironhead Sportster 900cc & 1000cc	57-85	5.330"
Evolution Sportster & Buell	86-03	4.650"

JIMS® TIPS

PUSHROD ADJUSTMENT FOR REFERENCE ONLY

Note: Use instructions that came with your tappets. This chart is for information only; It is not an adjustment guide

Threads Per. In.	Wrench Flats	Total Travel Distance	Distance Per Turn	Distance Per Flat	Pushrod Mfg/N	Threads Per In.	Pushrod Mfg/N	Threads Per In.
24	15	.1042"	.01417"	.0069"	JIMS® Pro Lite	24	Crane Cams	32
28	17	.1011"	.0357"	.0059"	Slim JIMS®	32	H-D	32
32	18	.0937"	.0313"	.0052"	Andrews	28	S&S®	32
36	21	.0965"	.0275"	.0045"	Andrews	32	Screamin Eagle	32
40	24	.100"	.025"	.0042"	Crane Cams	28	Rivera	40
52	30	.0962"	.0192"	.0032"	Crane Cams	24	Rev Tech	36

ANDREWS TIPS

CAM GEAR CHANGING

Remove the stock cam gear and press it onto the new camshaft. Stock gears will work with Andrews Products camshafts; to press a new gear onto camshaft the center of the 1/4 in. keyway, in the camshaft, must be exactly 180°, or 21 teeth, from the pinion timing mark on the drive gear.

MEASURING CAM GEARS

- 1. Measure the stock cam gear and pinion gear over the pins; write down the measurements.
- 2. Now measure the new gear over the pins and write down that number also.
- 3. Subtract the new gear size from the stock gear size.
- 4. If the new cam gear is smaller than the stock gear, for clicking, add the difference, from 3, to the size of the pinion gear to obtain a new, larger pinion gear size.
- 5. If the new cam gear is larger than the stock gear, for whining, subtract the difference, from 3, from the size of the pinion gear to obtain a new, smaller pinion gear size.
- 6. Match new size to a new pinion gear part number in the H-D® manual and install it.
- 7. Remember to use the same size pins as the manual lists for measuring your gears, .108 or .105 in. dia.

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SEATS & SISSY BARS

LUGGAGE

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TIRES & Wheels

BRAKES

CHASSIS

SUSPENSION

SHEET METAL

EXHAUST

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LTERS

	ENGINE &	OIL FILT	
	H-D® ENGINE SPE	CIFICATIONS	
AUDIO, VIDEO & NAVIGATION	Twin Cam 124"	1.25"	
& NAVIGATION	Bore Stroke	4.25" 4.374"	
INDIAN	Twin Cam 110"	4.374	
& VICTORY	Bore	4.0"	
	Stroke	4.374"	
WINDSHIELDS	Twin Cam 103"		
MINDSHIEFDS	Bore	3.87"	
	Stroke	4.374"	
SEATS &	96" Twin Cam A & B		
SISSY BARS	Bore	3.750"	
	Stroke	4.38"	
LUGGAGE	88" Twin Cam A & B	2.750#	
	Bore	3.750"	
	Stroke Piston to cylinder clearance	4.000" .00060016"	
SECURITY	Piston ring side clearance	.00000010	
& COVERS	Top ring	.0020045"	
	Second ring	.00160041"	
TIRES &	Oil ring	.00160076"	
WHEELS	Piston ring gap		
	Top ring and second ring	.007020"	
BRAKES	Oil ring	.009052"	
Diames	Piston pin-fit connecting rod	.00010004	
	80" Evolution	2.500#	
CHASSIS	Bore Stroke	3.500" 4.250"	
	Piston to cylinder clearance	.0005500165"	
	Piston ring side clearance	.0003300103	
SUSPENSION	Top ring	.0020045"	
	Second ring	.00160041"	
	Oil ring	.00160076"	
SHEET METAL	Piston ring gap		
	Top ring and second ring	.007020"	
	Oil ring	.009052"	
EXHAUST	Piston pin-fit connecting rod	.0020006	
	80" Shovelhead		

80" Shovelhead

Piston to cylinder clearance
Piston ring side clearance
Top ring and second ring

.004-.005"

.003-.005"

Bore Stroke

80" Shovelhead Cont.	
Piston ring gap to E83	.008015"
Piston ring gap to L83-84	.010020"
Piston pin-connecting	.010 .020
rod to E83	.0008001"
Piston pin-connecting	10000 1001
rod to L83-84	.0001500065"
74" Panhead & Shovelh	ead
Bore	3.4375"
Stroke	3.96875"
Piston to cylinder clearance	.001002"
Piston ring side clearance	
Top ring and second ring	.004005"
Oil ring	.003005"
Piston ring gap	.010020"
Piston pin fit-connecting rod	.00080012"
61" Knucklehead & Pan	head
Bore	3.4375"
Stroke	3.500"
Piston to cylinder clearance	.001002"
Piston ring and ring groove	.004"
Piston ring gap	.010020"
Piston pin fit-connecting rod	.001"
80" Flathead	
Bore	3.4375"
Stroke	4.28125"
Piston to cylinder clearance	.001002" .004"
Piston ring and ring groove	.004"
Piston ring gap	.010020"
Piston pin fit-connecting rod	.001"
74" Flathead	
Bore	3.3125"
Stroke	4.28125"
Piston to cylinder clearance	.001002"
Piston ring and ring groove	.004"
Piston ring gap	.010020"
Piston pin fit-connecting rod	.0001"
45" Flathead	
Bore	2.750"
Stroke	3.8125"
Piston to cylinder clearance	.001002" .004"
Piston ring and ring groove	.004"
Piston ring gap	.010020"
Piston pin fit-connecting rod	.001"

Bore	3.50"
Stroke	3.81"
1200CC Evolution Sports	ter 1986-2003
Bore	3.498"
Stroke	3.8125"
Piston to cylinder clearance	See HD manual
Piston to side clearance	
Top ring and second ring	.0065"
Oil ring	.0094"
Piston ring gap	
Top ring and second ring	.032"
Oil ring	.065"
Piston pin fit-piston	.001"
Piston pin fit-connecting rod	
383CC Sportster 2004-20	17
Bore	3.00"
Stroke	3.81"
883CC Evolution Sportst	
Bore	3.00"
Stroke	3.8125"
Piston to cylinder clearance	See HD manual
Piston ring side clearance	
Top ring and second ring	.00200045"
Oil Ring	.00140074"
Piston ring gap	040 022"
Top ring and second ring	.010023"
Oil Ring	.010053"
Piston pin fit piston Piston pin fit connecting rod	
1 3	
1100CC Evolution Sport	
Bore Stroke	3.350"
Piston to cylinder clearance	3.8125" See HD manual
Piston ring side clearance	See HD Illanuar
Top ring	.00200045"
Second ring	.00160041"
Oil ring	.00160076"
Piston ring gap	.0010 .0070
Top ring and second	.007020"
Oil ring	.009052"
Piston pin fit-piston	.0000500045
	.0012500175

61" Sportster 1979-198	5
Bore	3.188"
Stroke	3.8125"
Piston to cylinder clearance	
_1979-E85	.003004"
L85	.00250035"
Piston ring side clearance 79	-82
Top ring and second ring	.0035005"
Oil ring	.003005"
Piston ring gap 79-82	.010020"
Piston ring side clearance 83	-85
Top ring and second ring	.005006"
Oil ring	.003004"
Piston ring gap 83-85	
Top ring and second ring	.008009"
Oil ring	.015002"
Piston pin-fit connecting rod	
61" Sportster 1972-197	
Bore	3.188"
Stroke	3.8125"
Piston to cylinder clearance	.003004"
Piston ring side clearance	1005 100 1
Top ring and second ring	.0025004"
Oil ring	.003005"
Piston ring gap	.015025"
Piston pin-fit connecting rod	
55" Sportster	.0000 .001
Bore	3.000"
Stroke	3.8125"
Piston to cylinder clearance	.0025003"
Piston ring side clearance	.0023003
Top ring and second ring	.0025004"
	.0025004
Oil ring	.010020"
Piston ring gap	
Piston pin-fit connecting rod	.0008001
15-17 Street 750	"
Bore	3.35" 2.6"
Stroke	2.6"
15-17 Street 500	
Bore	2.72"
Stroke	2.6"

RY DRIVE	
SMISSION IAL DRIVE	
ASKETS & Ardware	2
NDLEBARS	-

FUEL & AIR

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CABLES FOOT CONTROL

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5&S® FLYWHEEL IDENTIFICATION CHART									
Stroke Code	Stroke	Year Code	Engine Year	Sprocket Shaft	Pinion Shaft	Crankpin Type	Dia. Code	Flywheel Dia.	
1	4-3/8"	E	36-54	Stock	Stock	41-81	_	8-1/2"	
2	4-1/2"	L	55-71	Stock	Stock	41-81	Α	8-3/8"	
3	4-3/4"	AL	72-E81	Stock	Stock	41-81	Χ	8-1/4"	
4	5"	SE	55-E81	S&S	Stock	41-81	_	_	
5	4-1/4" (stock 80")	BL	L81-99	Stock	Stock	81-99	_	_	
6	4-5/8"	SL	L81-99	S&S	Stock	81-99	_	_	
9	Special Order	Υ	74"/80" in dia.	Stock	Stock	Stock	_	_	
11	5-1/14"	_	_	_	_	_	_	_	
12	3-1/2" (stock 61")	_	_	_	_	_	_	_	
15	3-31/32" (stock 74")	_	_	_	_	_	_	_	
16	5-1/18"	_	_	_	_	_	_	_	
17	Λ"			_		_			

1/	4	_	_	_	_	_	-	_	_
Sportster Stroke Code	Year Stroke	Engine Code	Sprocket Year	Pinion Shaft	Crankpin Shaft	Bearing Type	Rod Dia. Type	Flywheel Code	Dia.
1	4-1/16"	None	57-76	Stock	Stock	Stock	Stock	None	7-7/8"
2	4-3/16"	В	57-E81	Stock	Stock	Stock	Stock	А	7-3/4"
3	4-5/16"	SB	57-E81	S&S	Stock	Stock	Stock	Χ	7-5/8"
4	4-7/16"	BD1	57-E81	Stock	_	Stock	Stock	_	_
6	4-5/8"	SBD1	57-E81	S&S	_	Stock	Stock	_	_
7	4-13/16"	С	L81-85	Stock	Stock	Stock	Stock	_	_
8	5"	SC	L81-85	S&S	Stock	Stock	Stock	_	_
9	Special Order	SCD1	L81-85	S&S	_	Stock	Stock	_	_
11	4-1/2"	SCR	L81-85	S&S	Stock	Stock	87-02	_	_
12	5-1/4"	SCDR1	L81-85	S&S	Stock	Stock	87-02	_	_
15	3-13/16" (stock)	D 1	L86-02	S&S	S&S	S&S	S&S	_	_
16	5-1/8"	DR1	L86-02	S&S	S&S	S&S	87-02	_	_
17	_	_	_	_	_	_	_	_	_
	_	KRS	45" WR/KR	Stock	Stock	Stock	57-81XL	_	_
_	_	YS	45" Indian	Stock	Stock	Stock	Stock	_	_

¹ Sportster-style flywheel machined to work with either 77-86 or 87-02 style pinion main bearing assembly.

HANDY FORMULAS To Convert C.I. To C.C.:

 $C.I. \div .061 = C.C.$ To Convert C.C. To C.I.: $C.C. \times .061 = C.I.$

To Figure Displacement:

0.7854 x bore x bore x stroke x number of cylinders

To Figure Compression Ratio:

(Cylinder volume + chamber volume)/chamber volume Cylinder volume=0.7854 x bore x bore x stroke

Measure chamber volume with piston at top dead center in C.C. and convert to C.I.



S&S® T143 LONG BLOCK ENGINE

The S&S® T143 Long Block engine is the largest S&S® engine that will fit in a stock Harley- Davidson® chassis. At double the HP of a stock motor, the power of the T143 requires technical expertise for the installation and tuning along with an experienced rider. This is an ultra performance/race engine. Longevity, engine noise, vibration and throttle sensitivity have all been compromised to reach this level of performance while fitting in a stock chassis and, as such, is not suitable for every situation. It is the purchaser's responsibility to consider the suitability for their application. Engine noise and damage from abuse is not covered under warranty.

- Fits in stock chassis no cutting or frame modifications S&S B3 cylinder heads CNC-machined with 2-bolt exhaust flanges
- 3 Piece Flywheels
- S&S high flow oil pump and cam cover
- S&S 635 Easy Start Gear Drive Cams and S&S 1.725:1 rocker arms for .674 in. total lift
- **S&S Premium High Performance Tappets**
- · Made in USA



Install Parts for T143 Engine

Description	P/N	Retail
Flange Kit, 2 in.	488657	71.95
Carb Kit, Black, 143 in.	488654	1199.95
Induction Kit, Black, 06-07 FLH, FLT	488655	1599.95
Induction Kit, Black, 02-05 Big Twin	488656	1599.95
Air Cleaner Kit For Stock Fuel System, Black	496794	259.95









488657



S&S® T124 ENGINE

488655

No fuel system or ignition systems included, use what you already have. Special head machining, fits stock length intake manifolds (S&S® manifolds 410). Stock-style breathing system, stock breather spacing and function is compatible with stock and most performance air cleaners. Same quality components and performance as our complete T-Series engines.

Made in USA



HARLEY-DAVIDSON	Year	Cams	P/N	Retail
Twin Cam	07-16	585GPE	488650 ^{1,3}	6295.00
Twin Cam	07-16	640GPE	4886511,3	6195.95
Twin Cam	99-06	585GPE	488648 ^{2,4}	5995.00
Twin Cam	99-06	640GPE	488649 ^{2,4}	5995.00
1 Including 06 Dyna	3 Uses Super	G Kit #499670		

² Exc. 06 Dyna 4 Uses Super E Kit #499577



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S&S® T111 LONG BLOCK ENGINE

No fuel system or ignition systems included, use what you already have. Special head machining, fits stock length intake manifolds (S&S® manifold size 405). Stock-style breathing system, stock breather spacing and function T2 crankcase. 3-piece flywheels. S&S® high-flow oil pump and cam cover. S&S easy-start gear drive cams. Stock twin cam 96™ bolt pattern.

Madé in USA

Application	P/N	Retail
07-UP Big Twin	4886521	5995.00

1 Use either Super E P/N 499569 or Super G P/N 499670



S&S® 111" LONG BLOCK ENGINE

- 111 CID: 4-1/8 in. bore x 4-1/8 in. stroke
- S&S® forged pistons: 9.8:1 compression ratio
- No fuel system or ignition systems included; use your stock fuel system
- and an aftermarket ignition you may already have S&S® 585 cam and standard forged rocker arms
- .585 in. lift single coil valve springs High-performance hydraulic lifters
- S&S® HVHP billet oil pump
- Shorter than stock height engine makes installation easy
- Wrinkle black powder-coat finish
- Two-year manufacturer's warranty
- Madé in USA



Application	P/N	Retail
84-99 Chassis	488697 ²	4999.95
99-06 Twin Cam Models (Exc. 06 Dyna)	4886991,3	5745.00

- 1 Requires p/n 496251
- Use either Super E P/N 499569 or Super G P/N 499670
- 3 Use either Super E P/N 499669 or Super G P/N 499670



S&S® 80" LONG BLOCK ENGINE

- 80 in. CID: 3-1/2 in. bore x 4-1/4 in. stroke
- Flat top cast pistons: 8.4:1 compression ratio
- No fuel system or ignition systems included; use your stock fuel system and an aftermarket ignition you may already have S&S® 508 cam and standard forged rocker arms
- 0.585 in. lift single coil valve springs
- High-performance hydraulic lifters
- S&S® standard billet oil pump S&S® Performance replacement cylinder heads
- Wrinkle black powder-coat finish
- One-year manufacturer's warranty
- Made in USA





BIKER'S & CHOICE

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S&S® PANHEAD ENGINE

- 93 in. CID: 3-5/8 in. bore x 4-1/2 in. Stroke
- S&S® forged pistons: 8.5:1 compression ratio
- S&S® Super E carburetor

- S&S® 585 cam, hydraulic tappets and roller rocker arms S&S® billet timer and S&S® Super Stock single-fire ignition system Alternator/generator style; allows the use of 1970-up primary, transmission, clutch components and electrical system
- Includes oil filter mount for generator location
- Compatible with 1966-84 exhaust systems
- Natural crankcases and stock-looking silver powder-coated cylinders
- Two-year manufacturer's warranty
- Made in USA



Application	P/N	Retail	
70-99 Chassis W/Alternator Style Primary	488695	7995.00	

S&S® KNUCKLEHEAD ENGINE

- 93 in. CID: 3-5/8 in. bore x 4-1/2 in. Stroke
- S&S® forged pistons: 8.2:1 compression ratio
- S&S® Super E carburetor
- S&S® 420 cam, solid adjustable tappets and forged rocker arms
- S&S® Super Stock™ single-fire ignition system and polished billet timer Alternator/generator style; allows the use of 1970-up primary, transmission, clutch components and electrical system Includes oil filter mount for generator location
- Made in USA



Application	P/N	Retail
70-99 Chassis W/Alternator Style Primary	488694	9095.00



S&S® SHORT BLOCKS FOR 80 IN. EVO

- Perfect foundation for rebuilding the stock 80 in. Evolution®
- Relocated cam chest oil pick-up increases gear case scavenging and virtually eliminates oil carry-over at sustained high speeds Crankcase venting can be achieved via two crankcase breathers,
- the cylinder heads, or both. We recommend using both crankcase breathers in engines larger than 95 in.
- Compatible with stock primary covers and gearcovers, making them perfect for stock replacement or high performance applications
- Flywheels for EFI applications are machined with timing notches compatible with factory crank position sensors
- Made in USA

Note: 1977-'89 style pinion gears, spacers, and nuts are required when installing S&S flywheel assemblies. For installation in 90-'99 or scratch built engines, order S&S Pinion Shaft Conversion Kit P/N 33-4148.

Retail	Natural	Retail	Black	Year	HARLEY-DAVIDSON
2299.95	488659			92-99	Evolution Big Twin
		2299.95	488647	92-99	Evolution Big Twin
2299.95	488658			84-91	Evolution Big Twin
		2299.95	488646	84-91	Evolution Big Twin









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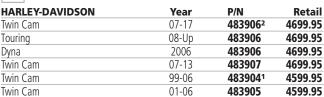
S&S® 124" HOT SET UP KITS WITH HEADS

Keep your stock crankcases and max out the horsepower of your late Big Twins.

- Wrinkle black finish
- Gear drive 640 Easy Start cams included in kits
- Wrinkle black powder-coat finish heads match factory finish
- Stroke 4-5/8 in., bore 4-1/8 in., cylinder length 5.013 in.
- Made in USA
- Requires crankcase boring to accept 4-1/8 in. cylinders
- Minimal engine height change: .096 in. and original serial numbers retained
- Kits include S&S® super stock 91 cc cylinder heads 10.8:1 CR



¹ Exc. 2006 Dyna ² Exc. Touring





NEW!

S&S® SUPER STOCK HOT SET-UP KITS FOR 88" ENGINES

- · A great way to get serious horsepower out of your motor
- The kit includes Twin Cam style S&S® Super Stock cylinder heads, cylinders, and pistons, adjustable pushrods, pushrod covers, high performance tappets, S&S 585G gear drive cams, and all required gaskets
- No need to re-balance stock flywheels
- Kits are sold without a fuel system
- Made in USA



P/N	Retai
493136	3114.95



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BIKER'S + CHOICE



S&S® HOOLIGAN KITS FOR SPORTSTERS

Whether you're racing Hooligan at-track or just want more power, the S&S Hooligan kits for 00-16 Harley-Davidson® Sportster® models will give you an edge on the competition. Boost that 883 to 1200 cc. Already running a 1200? Bring it up to 1250 cc. Bolt-on big bore kits mean easy installation with no machining and no rebalancing. S&S bolt-in cams and premium tappets make the most of the added displacement.

- Easy installation
- Bolt-on parts

- No machining, no rebalancing
 Increase 883 cc engines to 1200 cc
 Increase 1200 cc engines to 1250 cc

Carbon fiber VO2 air intake kit Fuelpak FP3 with raceshop mapping

Vance & Hines inscribed chrome or black timing cover

Year

14-16

14-16

09-13

09-13

Finish

Chrome

Chrome

Black

Black

VH7108

VH7109

VH7106

VH7107

Power dual head pipes

575 camshaft set Adjustable pushrods

HARLEY-DAVIDSON

FLH, FLT

FLH, FLT

FLH, FLT

FLH, FLT

- Use stock heads, pushrods and fuel system
- Available in wrinkle black or silver powder-coat that matches stock finish
- Made in the USA



HARLEY-DAVIDSON	Year	Color	P/N	Retail
XL 1200	00-17	Black	488115	1549.95
XL 1200	00-17	Silver	488116	1549.95
XL 883	00-17	Black	488113	1499.95
XI 883	00-17	Silver	488114	1499.95









488116

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VANCE & HINES 30+ HORSEPOWER KIT From the development team that builds 400 horsepower Pro Stock engines, the Vance & Hines Raceshop introduces the 30+ HP Kit for Harley-Davidson® Touring models. Injecting white-knuckle performance across the entire powerband, the 30+ HP Kit is the result of assembling the best selection of bolt-on components. And the Fuelpak FP3, the brains of the 30+ HP Kit, is what enables these components to get the most out of your motor. • Oversized 450 (Chrome or Black) slip-ons with carbon fiber end caps (exclusive to 30+ HP Kit)	3/6

Retail

2799.99

2799.99

2799.99

2799.99

Black

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S&S® SUPER STOCK T2 CRANKCASES FOR 07-16 TOURING MODELS

Now owners of 07-16 H-D® Touring models can replace worn or damaged crankcases, or build a really large engine with S&S® crankcases. Oil line kit required. Available for Touring models only. Currently not available for Dyna

- Simple transmission case modifications required
- Stock looking, but stronger, thicker wall sections and superior 356-T6 aircraft grade aluminum
- Tough powder-coat finish
- Reinforced front motor mount for extra strength
- Timken® sprocket shaft bearing: strong enough for the most demanding applications
- Clearanced for strokes up to 4-13/16 in. and cams up to .720 in. lift
- Includes pinion and Timken® bearing
- Manufacturer's Statement of Origin (MSO) included
- Includes studs and cam bearings installed
- Made in USA

HARLEY-DAVIDSON	Year	Silver	Description	Retail	Black	Description	Retail
FLH	07-16	483937	Stock Bore	1295.95	483942	Stock Bore	1295.95
FLH	07-16	483938	4 1/8" Bore	1395.95	483943	4 1/8" Bore	1395.95
FLH	07-16	483939	4 3/8" Bore	1395.95	483944	4 3/8" Bore	1395.95

483941



Crankcase Oil Line Kit Retail 483940 109.95

Transmission Drill Fixture Kit P/N Retail

169.95



483937

Wrinkla

S&S® TWIN CAM-STYLE CRANKCASE

Greater overall strength than stock bore crankcases, especially in the front motor mount, an important consideration in high-performance applications. All S&S® crankcases use strong, dependable Timken®-style sprocket shaft bearings to stand up to the most demanding applications.

- Clearance for strokes up to and including 5 in.
- All passages between the crankcase cam support plate are O-ring sealed
- Compatible with most stock components
- Cam chest has clearance for up to .675 in. lift cams
- Includes the S&S® crankcase breather reed valve for Twin Cam® 88 engines designed to eliminate oil carry over and oil scavenging problems
- Stock bore cases are perfect for replacement applications
- Excludes 2006 Dyna
- · Made in USA







483943

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S&S® OIL LINE INSTALLATION KIT

- Due to changes in the design of S&S® crankcases for 99-06 Big Twin Models, a special oil line installation kit is required when installing T-124 engines or engines built with S&S® crankcases in FL models
- Can be used with the stock transmission top cover
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-06	496251	114.95
FXD	99-05	496251	114.95



SUPER STOCK BIG TWIN ALTERNATOR-STYLE CRANKCASE

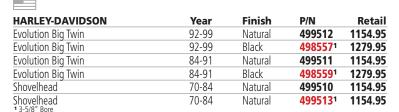
This crankcase is machined to accept the stock oil filter assembly introduced on some 1992 model Big Twins. This convenient, accessible location can be utilized to simplify installation of an oil filter in custom applications. Machined to accept 84-91 or 92-99 style oil pumps and are machined for the stock 84-99 style oil distribution system. For Evolution style engines, the engine builder has the option of venting the crankcase breather from the crankcase, through the cylinder heads, or both. It's recommended using both crankcase breathers in engines of 96 in. or larger displacement. To make this possible in all applications, there are two crankcase breather holes available in the rear of the S&S® alternator crankcases. One is in the stock location and the other is angled down to allow the installation of a crankcase breather fitting in the chassis with integral transmission/oil tank. S&S® Big Twin cases optimize crankcase oil scavenging efficiency by using a ported design breather passageway and a breather window that is machined to maximum timing specifications. These features allow the air/oil mist to move smoothly from the flywheel cavity to the gear chest of the engine. The return oil pick-up passage to the return side of the oil pump has been relocated in order to avoid the turbulence caused by the oil pump drive gear. This unique design results in greatly improved scavenging of oil from the gear case and virtually eliminates oil carry over at sustained high speeds. S&S® Big Twin crankcases for Evolution style engines are not machined with a primary oil scavenge port for drawing oil from a Shovel style primary chain case. If the primary oil scavenge port is required on an Evolution style crankcase, it can be special ordered.

99 Evolution Big Twin models: Available stock bore and natural aluminum; Accepts 92-99 style oil pumps; 92-99 cases differ from the 84-91 only in the oil pump mounting bolt pattern.

91 Evolution Big Twin models: Available stock bore and natural aluminum; Accepts 84-91 style oil pumps; 84-91 cases differ from the 92-99 only in the oil pump mounting bolt pattern.

84 Shovelhead style: Stock bore; Accepts 81-84 style oil pumps; Machined for stock primary oil return.

· Made in the USA





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F00T CONTROL

041450

Description

Sportster, Big Twin (1/8-27 N.P.T.)

Sportster, Big Twin (1/8-27 N.P.T.)

Allen Head Drain Screw

Button Head Drain Screw

H-D®#45830-48 (10 Pk.), Allen Head

Brass H-D®#45830-48 (10 Pk.), Allen Head

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S&S® GENERATOR-STYLE CRANKCASES

Designed with a stock-like appearance. In spite of the stock appearance, these cases incorporate updated design features that improve overall engine strength and reliability.

- Stock bore
- Pre-clearance for strokes up to and including 5 in.
- All cases are designed for late style generator, two brush type with 5/16 in. mounting bolts to eliminate early generator cradle/mounting strap bosses for simplicity and economics
- Use more readily available 1/4 in.-20 thread fasteners to mount gear cover, oil pump, tappet guides, timer and timer advance bracket, except KN Series
- Timken® sprocket shaft main bearing, in all years, instead of stock-straight roller bearings; resulting in better flywheel assembly stability, placement and longer engine life
- Kits include crankcase assembly, all required bearings and hardware for installation and assembly instructions
- Made in USA

Note: All S&S® crankcases use Timken® style sprocket shaft bearing and 1958 and later pinion bearing. These cases will not accept stock 1957 and earlier flywheel assemblies.

HARLEY-DAVIDSON	Year	P/N	Retail
Panhead, Shovelhead	65-69	4993721,2,3	1594.95
Panhead	48-62	4993731,4,5	1594.95

- 4 Machined for 48-62 Panhead cylinder base oil feed 1 36-69 style oil pump 5 Machine for 55-64 tin primary
- ² Includes primary scavenge port machining 3 Machined for 65-69 alloy primary

Gardner-Westcott Company

041056

041565

Retail

12.95

44.95

4.95

13.95

041450

041056

041657

041565

GARDNER-WESTCOTT TIMING AND DRAIN PLUGS







BAKER™ STASH TUBE

For Big Twin models with alternator left-side case and generator right-side case

Made with 6061-T6 aluminum with a screw-on top and a .200 in. thick O-ring for a water-tight seal

410644

Internal diameter is 2.5 and is 4 in. deep

For Knuckle, Panhead and Shovelhead models

Description	P/N	Retail
Cat Black & Highlighted Fins	410644	213.33
Media Blasted & Highlighted Fins	410645	213.33





BIKER'S CHOICE® OIL TANK DRAIN PLUGS

H-D® timing hole and oil tank 5/8 in.-18 H-D®#720

O.E.M.	P/N	Retail
720, 69017-76	491247	4.48



410645



COLONY OIL TANK DRAIN PLUGS

- Chrome-plated
- Made in USA











044104

Hexed Chrome				
HARLEY-DAVIDSON	Year	Size	P/N	Retail
Big Twin	37-86	1/2"-13	044249	7.99
Big Twin	1911-70	3/8"-24	044514	3.99
Sportster, K	52-76	1/2"-13	044249	7.99
Hexed CAD				
HARLEY-DAVIDSON	Year	Size	P/N	Retail
Big Twin	36-99	5/8"-18	043974	4.99
Big Twin	37-86	1/2"-13	044065	5.99
Sportster, K	52-76	1/2"-13	044065	5.99
Custom Hexed Chro	me			
HARLEY-DAVIDSON	Year	Size	P/N	Retail
Big Twin	36-99	5/8"-18	044255	9.99

Size

5/8"-18

Year

36-99

Allen Chrome				
HARLEY-DAVIDSON	Year	Size	P/N	Retail
Big Twin	36-99	5/8"-18	044445	8.99
Allen CAD				
HARLEY-DAVIDSON	Year	Size	P/N	Retail
Big Twin	36-99	5/8"-18	044446	6.99
Acorn				
HARLEY-DAVIDSON	Year	Size	P/N	Retail
Big Twin	36-99	5/8"-18	044104	8.99
Domed Hexed				
HARLEY-DAVIDSON	Year	Size	P/N	Retail
Big Twin	81-92	1/2"-20	044248	10.99
Custom Hexed CAD				
HARLEY-DAVIDSON	Year	Size	P/N	Retail
Big Twin	36-99	5/8"-18	044069	7.99

COLONY OVERSIZE TIMING AND DRAIN PLUGS FOR V-TWIN

Made in USA

EL, FL, FLH

FXST

FLST

FXD

FXR

FX

Timing Plug with Tap

HARLEY-DAVIDSON

Cap Style

Big Twin

HARLEY-DAVIDSON



P/N

044147

044147

044147

044147

044147

044147

044147



Retail

44.99

44.99

44.99

44.99

44.99

44.99

44.99

P/N

044057

Retail

7.99





044573

K, Sportster

Timing Plug Only			
HARLEY-DAVIDSON	Year	P/N	Retail
EL, FL, FLH	38-98	044148	8.99
FXST	84-99	044148	8.99
FLST	86-99	044148	8.99
FXD	91-98	044148	8.99
FXR	82-94	044148	8.99
FX	71-86	044148	8.99
K, Sportster	52-99	044148	8.99

Year

38-98

84-99

86-99

91-98

82-94

71-86 52-99

Drain Plug with Tap			
HARLEY-DAVIDSON	Year	P/N	Retail
FL, FX	37-86	044149	44.99
K, XL	52-76	044149	44.99

Drain Plug Only			
HARLEY-DAVIDSON	Year	P/N	Retail
FL, FX	37-86	044150	8.99
K, XL	52-76	044150	8.99

Oversized Hexed Timing Plug HARLEY-DAVIDSON P/N Retail Year EL, FL, FLH 38-98 044444 7.99 **FXST** 84-99 044444 7.99 FLST 86-99 044444 7.99 91-98 044444 FXD 7.99 044444 7.99 FXR 82-94 FX 71-86 044444 7.99 52-99 044444 7.99 K, Sportster

Oversized Allen Timing Plug

HARLEY-DAVIDSON	Year	P/N	Retail
EL, FL, FLH	38-98	044573	8.99
FXST	84-99	044573	8.99
FLST	86-99	044573	8.99
FXD	91-98	044573	8.99
FXR	82-94	044573	8.99
FX	71-86	044573	8.99
K, Sportster	52-99	044573	8.99

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S&S® 3-PIECE FLYWHEELS FOR TWIN CAMS

Vast improvement over stock flywheels, which shift out of true under heavy loads. Heat-treated 4140 material is 114% stronger than stock, eliminates thrust washer. Larger 1.671 in. crankpin, increased cross-sectional area for increased crank-pin clamping force. No welding required. Integral mainshafts, truer flywheels and less vibration.

- · Made in USA
- Strokes longer than stock will require S&S® piston oiler set P/N 493791
- 07-up stock rod length is 7.659 in.
- Stock pistons in 2007 and later engines require rods with tapered wristpin ends

				Twin Cam		Twin Cam		Twin Cam		Twin Cam	
HARLEY-DAVIDSON	Year	Stroke	Displacement	96S	Retail	96B	Retail	88	Retail	88B	Retail
Big Twin	07-16	4-3/8"	Stock 96", 103"	492393 ^{1,3}	1324.95	4923941,3	1374.95				
Big Twin	07-16	4-1/2"	106" Stroker	4959852,4	1324.95	4959862,4	1374.95				
Big Twin	07-16	4-5/8"	S&S 124	4839082,4	1299.95	4839092,4	1349.95				
Dyna	2006	4-3/8"	Stock 96", 103"	492393 ^{1,3}	1324.95	4923941,3	1374.95				
Dyna	2006	4-1/2"	106" Stroker	4959852,4	1324.95	4959862,4	1374.95				
Dyna	2006	4-5/8"	S&S 124	4839082,4	1299.95	4839092,4	1349.95				
Big Twins	99-06	4"	88", 95", 97", 100"					4923951,5	1274.95	4923961,5	1324.95
Big Twins	99-06	4-1/2"	106" Stroker					4959842,5	1274.95	4959832,5	1324.95
Big Twins	99-06	4-5/8"	S&S 124					483910 ^{2,5}	1249.95	4839112,5	1299.95
1 Kits with sprocket hearing race	1	4 Straight Ro	nd WP End								

S&S® SPECIAL PISTON COOLING OIL JET KIT

• Provides an extra .150 in. of clearance between the jet and the piston skirt

5 Exc. 2006 Dyna

- Includes two jet assemblies with O-rings and screws
- Replaces H-D®#22371-99

² Kits without sprocket bearing race

³ Tapered Rod WP End

• For use on 4 in. or larger stroke

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-15	493791	51.95
FXST, FLST	99-15	493791	51.95
FXD	99-15	493791	51.95



S&S® FLYWHEELS FOR EVOLUTION

Drive-side flywheels have special keyed 6° larger diameter taper that provides more contact area, increasing strength. Standard S&S® tapered crank pin and pinion shaft are used for ease of service.

- Stock 4-1/4 in. stroke, 8-1/2 in. diameter
- Kit includes flywheels, crank pin and connecting rods
- · Made in USA

Note: Balanced to stock H-D® 80 in. pistons at 60%.

HARLEY-DAVIDSON	Year	Description	P/N	Retail
FLH	84-99	Stock 4-1/4" Stroke, 8-1/2" Dia.	499809	1134.95
FLH	84-99	4-5/8" Stroke	483912	1134.95
FXST	84-99	Stock 4-1/4" Stroke, 8-1/2" Dia.	499809	1134.95
FXST	84-99	4-5/8" Stroke	483912	1134.95
FLST	86-99	Stock 4-1/4" Stroke, 8-1/2" Dia.	499809	1134.95
FLST	86-99	4-5/8" Stroke	483912	1134.95
FXD	91-99	Stock 4-1/4" Stroke, 8-1/2" Dia.	499809	1134.95
FXD	91-99	4-5/8" Stroke	483912	1134.95
FXR	84-94	Stock 4-1/4" Stroke, 8-1/2" Dia.	499809	1134.95
FXR	84-94	4-5/8" Stroke	483912	1134.95

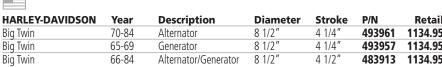




S&S® FLYWHEELS FOR SHOVELHEAD

These flywheels are the exact same parts used in S&S® production engines.

- Use them to overhaul an S&S® engine or to build a custom engine using similar crankcases and pistons
- Made in UŠA





High-quality connecting rods from S&S®, the industry leader in high-performance motor parts. I-beam construction, drop forged from 4140 chrome moly steel with beam sections .125 in. wider than stock. Rod-to-rod clearance sufficient for strokers up to and including 5 in.

- Crank pin and hardware included
- Made in USA



HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Big Twin	84-99	24281-83	499504	429.95
Big Twin	L81-84		483951	429.95
Big Twin	41-E81	24281-74A	4995001	429.95
XL	86-99	24275-86A	499507	539.95
XL	L81-85	24275-00	499614	459.95
XL	57-E81	24275-57	499612	459.95

17.440" c/c







JIMS® CONNECTING ROD RACE SET

Made from 52100 aerospace-quality Timken bearing stock.

• O.E.M. 24345-36A and 24356-36A

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	41-99	461325	70.50





- Machined to exacting tolerances from 52100 steel
- Heat-treated to O.E.M. specifications
- Must be sized at installation
- · Sold in packs of three

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	41-99	24345-36	603032	24.95
FXST	84-99	24345-36	603032	24.95
FLST	86-99	24345-36	603032	24.95
FXD	91-99	24345-36	603032	24.95
FXR	82-94	24345-36	603032	24.95
FX	71-86	24345-36	603032	24.95



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NEW!

S&S® WRIST PIN BUSHING

High quality bronze construction, .767 in. ID, .895 in. OD and 1.077 in. long.

- Can be used to rebuild S&S Cycle and stock connecting rods
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	48-99	496798	4.95
FXST	84-99	496798	4.95
FLST	86-99	496798	4.95
FXD	91-99	496798	4.95
FXR	82-94	496798	4.95
FX	71-86	496798	4.95





EASTERN WRIST PIN BUSHINGS FOR V-TWIN

- Replacement connecting rod wrist pin bushings
- Sold in pairs

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Twin Cam	99-06	24316-99	603480 ¹	19.95
Big Twin	36-99	24334-36	603052 ²	24.95
Sportster	57-16	24331-36	603051	24.95

1 Exc. 2006 Dyna

² Exc. Twin Cam



JIMS® SURFACE TEMP INDICATING STRIPS

Innovative tool that will alert you when you've reached 210°; at this temp you should cease heating a mainshaft, flywheel sprocket shaft, motor or transmission case. To remove stubborn bearings, races or gears, just apply heat strip next to the race on the shaft you're heating and watch the strip change color as you reach 210°.

Made in USA

• Sold in pack of 30











JIMS® WRIST PIN BUSHINGS

Machined from solid bronze bar stock. They have a lead-in edge for easy installation.

- Wrist pin bushings hold concentricity to less than .0002 in.
- Made in USA
- Sold in pairs



HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	99-06	461365	40.50
Big Twin	36-99	461341	33.95



KIBBLEWHITE® WRIST PIN BUSHINGS FOR V-TWIN

- Made from SAE660 bearing bronze to exact tolerances
- Made in USA
- Sold individually



HARLEY-DAVIDSON	Year	Size	P/N	Retail
FLH	48-99	STD, 0.897"	442238	8.39
FXST	84-99	STD, 0.897"	442238	8.39
FLST	86-99	STD, 0.897"	442238	8.39
FXD	91-99	STD, 0.897"	442238	8.39
FXR	82-94	STD, 0.897"	442238	8.39
FX	71-86	STD, 0.897"	442238	8.39
FLH	48-99	+0.002, (0.899")	442239	8.39
FXST	84-99	+0.002, (0.899")	442239	8.39
FLST	86-99	+0.002, (0.899")	442239	8.39
FXD	91-99	+0.002, (0.899")	442239	8.39
FXR	82-94	+0.002, (0.899")	442239	8.39
FX	71-86	+0.002, (0.899")	442239	8.39



S&S® ROD BEARING ASSEMBLY

		A SECTION AND ADDRESS OF THE PERSON AND ADDR		
HARLEY-DAVIDSON	Year	P/N	Retail	
FLH	41-99	493878	62.95	
FXST	84-99	493878	62.95	
FLST	86-99	493878	62.95	
FXD	91-99	493878	62.95	
FXR	82-94	493878	62.95	
FX	71-86	493878	62.95	

Mfg/N

A-24100-SET

A-24102-17

A-24104-17

A-24106-17

A-24108-17

A-24111-17

A-24113-17

A-24115-17

A-24117-17

A-24120-17

A-24122-17

A-24124-17



EXCLUSIVE

BIKER'S CHOICE® FLYWHEEL CONNECTING ROD THRUST WASHERS FOR V-TWIN

- Bronze
- Sold in packs of two

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	L70-99	6506	492410	8.50
FXST	84-99	6506	492410	8.50
FLST	86-99	6506	492410	8.50
FXD	91-99	6506	492410	8.50
FXR	82-94	6506	492410	8.50
FX	71-86	6506	492410	8.50
XL	L79-E86	6506	492410	8.50

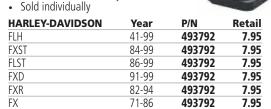


EASTERN FLYWHEEL CONNECTING ROD THRUST WASHERS FOR V-TWIN

- Steel
- Sold in packs of two

HARLEY-DAVIDSON	Year	Description	P/N	Retail
Big Twin	70-99	Bronze STD.	603570	15.99
Big Twin	41-69	Steel .055"	603039	11.95
Sportster	71-E86	Bronze STD.	603570	15.99





S&S® CRANK PIN ASSEMBLY Replacement crank pin for S&S®

- · Includes crank pin and nut
- connecting rods. · Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	L81-99	493874	119.95
Big Twin	41-E81	497969	119.95



· Sold in pairs

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	L83-99	491804	47.50
FXST	84-99	491804	47.50
FLST	86-99	491804	47.50
FXD	91-99	491804	47.50
FXR	L83-94	491804	47.50
FX	L83-86	491804	47.50

EASTERN FLYWHEEL THRUST WASHER FOR V-TWIN

HARLEY-DAVIDSON Year Size

29-54

29-54

29-54

29-54

29-54

29-54

29-54

29-54

29-54

29-54

29-54 +.09

Made in USA

EL, FL

Sold in packs of five



Set .060-.102

+.066

+.07

+.074

+.078

+.082

+.086

+.094

+.098

+.102



P/N

603368

603370

603371

603372

603373

603374

603375

603376

603377

603378

603379

603380

Retail

44.95

20.95

20.95

20.95

20.95

20.95

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20.95

20.95

20.95

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EL, FL 29-54 +.110



S&S® CRANK PIN

- Includes crankpin, nuts and key
- Made in USA







JIMS® CRANK PINS

All crank pins have .062 in. deep heat-treated penetration.

- P/N 496034 and 496036 have three oil holes for increased lubrication
- Made in USA

Note: Late style nuts with 1 in.-20 threads.



HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Big Twin	L81-99	23961-80A	496038	99.95
Big Twin	L81-99		4613321	10.50
Big Twin	41-E81	23961-41	496036	96.95
K, Sportster	54-E81	23960-54	496034	93.50

¹ P/N 491804, must be used on L81-99 Big Twin crank pin.

EASTERN CRANK PIN NUT AND LOCK KIT

Includes nuts, locks and screws

• Replaces O.E.M. 23966-78

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	41-81	603511	27.95

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COLONY MOTOR SPROCKET NUTS

O.E.M. 24003-30 replacement style nut.

Made in USA



043964

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HARLEY-DAVIDSON	Year	P/N	Retail
EL, FL, FLH	55-76	043964	15.99
EL, FL, FLH	30-54	043944	11.99
FX	71-76	043964	15.99

Acorn

HARLEY-DAVIDSON	Year	P/N	Retail
EL, FL, FLH	55-76	044189	14.99
FX	71-76	044189	14.99
XL	57-16	043960	9.99



Manufactured from premium aerospace chromium nickel molybdenum alloy bar stock offering the ultimate in strength and durability. Heat-treated to 60-62RC and ground to a sixteen micron finish with tolerances less than .0002 in.

• Made in USA



HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	L81-E85	23909-80	496032	112.95
FXST	84-E85	23909-80	496032	112.95
FXR	82-E85	23909-80	496032	112.95
FX	L81-E85	23909-80	496032	112.95





EASTERN MAINSHAFT RACE FOR V-TWIN

- All races are standard OD
- Bushings should be line reamed and/or honed at installation

Sprocket End

HARLEY-DAVIDSON	Year	O.E.M.	Material	P/N	Retail
Big Twin	58-92	24599-58B	Hardened-Steel	603057	66.95
XL, K	52-83	35105-52	Hardened-Steel	603497	44.95

Pinion Ena					
HARLEY-DAVIDSON	Year	O.E.M.	Material	P/N	Retail
Big Twin	L73-92	25582-73	Precision-Machined	d	
			Bronze	603075	16.95





S&S® SPROCKET SHAFT ASSEMBLIES

- · Includes motor sprocket nut
- Fits S&S® or stock flywheels
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	84-99	497877	108.95
Big Twin	30-54	499779	132.95



S&S® PINION SHAFT ASSEMBLIES

• Made in USA



HARLEY-DAVIDSON	Year	Type	P/N	Retail
Big Twin	58-E81	Tapered	4997581	129.95
Big Twin	39-53	Splined	499778 ²	125.95

1 Fits S&S® L, AL, SE or Stock Flywheels

² Fits S&S® E or Stock Flywheels



JIMS® PINION SHAFTS

JIMS® shafts have long been the choice of knowledgeable engine builders.

Manufactured from the finest materials to exact specifications

- Made in USA



HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Big Twin	87-88	24006-87	496068 ²	106.50
Big Twin	L81-86	24006-83	496066	106.50
Big Twin	73-E81	24006-73	496062	104.95
Big Twin	73-81		4613421	149.95
Big Twin	58-72	24006-58	496060	104.95

1 Late-style nuts with 3/4 in.-20 threads, H-D®# 24016-80, must be used on L81-89 Big Twin models



JIMS® Pinion Shafts for 89-99 Aftermarket Flywheels

101 05 55 7110	cilliarice riyvviic	C13
O.E.M.	P/N	Retail
24006-87	496068	106.50

EASTERN CRANKCASE RACE

· Sold individually

HARLEY-DAVIDSON	Year	Size	Mfg/N	Position	P/N	Retail
FL	40-54	+.002	A-24600-40	Pinion Shaft Bushing	603381	66.95
FL	40-54	+.005	A-24601-40	Pinion Shaft Bushing	603382	66.95
FL	40-54	+.010	A-24601-78	Pinion Shaft Bushing	603383	66.95
FL	40-54	+.015	A-24601-79	Pinion Shaft Bushing	603384	62.90
FL	40-54	+.020	A-24601-80	Pinion Shaft Bushing	603385	62.90
FL	40-54	+.025	A-24601-81	Pinion Shaft Bushing	603386	62.90
FL	40-54	+.002	A-24622-40	Sprocket Shaft Bushing	603387	66.95
FL	40-54	+.005	A-24623-40	Sprocket Shaft Bushing	603388	66.95
FL	40-54	+.010	A-24623-78	Sprocket Shaft Bushing	603389	66.95
FL	40-54	+.015	A-24623-79	Sprocket Shaft Bushing	603390	66.95
FL	40-54	+.020	A-24623-80	Sprocket Shaft Bushing	603391	66.95
FL	40-54	+.025	A-24623-81	Sprocket Shaft Bushing	603392	66.95





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SHEET METAL

EXHAUST

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· Hardened steel







461336

JIMS® SPROCKET SHAFT SPACERS

This kit is a must-have when aligning the sprocket shaft on your bike.

- Set includes eight spacers from .336 to .666 in. thick
- Also included is the sprocket shaft oil seal

HARLEY-DAVIDSON	Year	Sold As	P/N	Retail
FLH	70-99	Each	461336	30.50
FLH	70-99	Kit	4613381	85.50
FXST	84-99	Each	461336	30.50
FXST	84-99	Kit	4613381	85.50
FLST	86-99	Each	461336	30.50
FLST	86-99	Kit	4613381	85.50
FXD	91-99	Each	461336	30.50
FXD	91-99	Kit	4613381	85.50
FXR	82-94	Each	461336	30.50
FXR	82-94	Kit	4613381	85.50
FX	71-86	Each	461336	30.50
FX	71-86	Kit	4613381	85.50

¹ Does not include seal



JIMS® SPROCKET SHAFT NUTS

HARLEY-DAVIDSON	Year	Description	O.E.M.	P/N	Retail
FLH	72-E85	1-1/8"-16 Thread	24017-80	491814	27.95
FXST	84-E85	1-1/8"-16 Thread	24017-80	491814	27.95
FXR	82-E85	1-1/8"-16 Thread	24017-80	491814	27.95
FX	72-E85	1-1/8"-16 Thread	24017-80	491814	27.95
EL, FL, FLH	30-70	3/4"-18 Thread	24023-36	491813	31.50

TIMKEN® SPROCKET SHAFT BEARINGS FOR V-TWIN

Year	O.E.M.	P/N	Retail
69-02	9028	601756	67.99
84-02	9028	601756	67.99
86-02	9028	601756	67.99
91-02	9028	601756	67.99
82-94	9028	601756	67.99
71-86	9028	601756	67.99
77-90	24729-74	601754	61.49
	69-02 84-02 86-02 91-02 82-94 71-86	69-02 9028 84-02 9028 86-02 9028 91-02 9028 82-94 9028 71-86 9028	69-02 9028 601756 84-02 9028 601756 86-02 9028 601756 91-02 9028 601756 82-94 9028 601756 71-86 9028 601756





NEW!

FEULING® CRANKSHAFT BEARING RACE KIT

Crankshaft bearing race kit for A model engines. Kit includes right and left side crankshaft races with the left side thrust washers. These Feuling press on races have a precision ground outer diameter finish and are designed to be true to size producing the correct OD after proper press on installation.

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-16	488153	79.95
FXST, FLST	00-16	488154	79.95
FXD	99-16	488153	79.95

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602996

EASTERN SPROCKET SHAFT SPACER AND RETAINING RINGS FOR V-TWIN

Sprocket Shaft Spacer Sold individually

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FXST, FLST	04-16	24039-03	602994	19.95
FXST, FLST	04-16	24008-03	602992	19.95
FXD	04-16	24038-03	602993	19.95
FXD	04-16	24008-03	602992	19.95
FLH	04-16	24008-03	602992	19.95

Retaining Rings Sold in packs of 10

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FXST, FLST	03-16	35114-02	602996	9.95
FXD	03-16	35114-02	602996	9.95
FLH	03-16	35114-02	602996	9.95

EASTERN SPROCKET SHAFT SHIMS FOR V-TWIN

Sold in packs of five

Size	O.E.M.	P/N	Retail
.08950905	9110, 7748W	603053	10.95
.09150925	9120, 7827W	603347	10.95
.09350945	375, 9121	603348	10.95
.09550965	9122, 7848W	603349	10.95
.09750985	9123	603467	10.95
.09951005	9124, 80013-97	603468	10.95
.10151025	9125, 80053-82	603469	10.95
.10351045	9126, 80058-82T	603470	10.95
.10551065	9127, 80062-82	603471	10.95
.10751085	9128, 80086-84	603472	10.95
.10951105	9129, 80092-87	603473	10.95
.11151125	9130, 80093-87	603474	10.95
.11351145	9131, 813216-97	603475	10.95
.11551165	9132, 83162-51	603476	10.95
.11751185	9133, 83162-51	603477	10.95
.11951205	9134, 83162-51DL	603478	10.95



BIKER'S CHOICE® SPROCKET SHAFT SEALS FOR V-TWIN

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	70-99	12026B	492487	27.95
FXST	84-99	12026B	492487	27.95
FLST	86-99	12026B	492487	27.95
FXD	91-99	12026B	492487	27.95
FXR	82-94	12026B	492487	27.95
FX	71-86	12026B	492487	27 95











S&S® MAIN BEARING OIL SEAL

HARLEY-DAVIDSON	Year	Position	P/N	Retail
FLH	70-99	Left Side	497697	24.95
FXST	84-99	Left Side	497697	24.95
FLST	86-99	Left Side	497697	24.95
FXD	91-99	Left Side	497697	24.95
FXR	82-94	Left Side	497697	24.95
FX	71-86	Left Side	497697	24.95
XL	91-03	Left Side	497695	12.95





COLONY SPROCKET SHAFT SEALS FOR V-TWIN

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FL, FLH	55-68	24031-55	044142	43.99
EL, FL, FLH	36-54	24776-40	0441431	23.99
WL	39-73		0439961	22.99

¹ Snap Ring included



S&S® PINION SHAFT BEARING

Year	O.E.M.	P/N	Retail
03-16	24604-00D	493963	52.95
00-16	24604-00D	493963	52.95
03-16	24604-00D	493963	52.95
	03-16 00-16	03-16 24604-00D 00-16 24604-00D	03-16 24604-00D 493963 00-16 24604-00D 493963



JIMS® BEARING RACE 461059





461343

• Right case Standard OD 2.0015 in.

HARLEY-DAVIDSON	Year	Size	P/N	Retai
FLH, FLT, FXST, FLST, FXD, FXR	93-99	2.2170"	461207	88.95
FLH, FLT, FXST, FLST, FXD, FXR	58-78	2.2170"	461343	89.95
FLH, FLT, FXST, FLST, FXD, FXR, FX	79-92	2.2170"	461206	89.95
FL	55-57	STD. 2.0015"	461059	108.95
FL	55-57	+.005"	461060	134.50
U, UL, UH, ULH	40-48	STD	461061	108.95
U, UL, UH, ULH	40-48	+.005"	461062	134.50

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SONNAX® PINION SHAFT BEARINGS FOR V-TWIN



EASTERN PINION SHAFT BEARING FOR V-TWIN

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
XL	77-86	24648-77	603059	58.95



WINDSHIELDS

AUDIO, VIDEO & NAVIGATION

INDIAN & VICTORY

SEATS & SISSY BARS

LUGGAGE

SECURITY & COVERS

TIRES &

WHEELS

BRAKES

CHASSIS

SUSPENSION

SHEET METAL

EXHAUST

FUEL & AIR SYSTEMS

ENGINE & OIL FILTERS

PRIMARY DRIVE

TRANSMISSION & FINAL DRIVE

GASKETS &

HANDLEBARS & CONTROL

CABLES

FOOT CONTROL

INSTRUMENT & LIGHTING

ELECTRICAL

TRAILERS

CHEMICALS

& LUBES

SUPPLIES GENERAL ACCESSORIES & DISPLAY

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Sold individually

HARLEY-DAVIDSON

Big Twin





P/N

602997

603363

603366

603360

603362

603364

603365

603367

603361

Retail

34.95

14.95

7.95

19.75

16.50

16.50

16.95

7.95

19.75



603365

603367

EASTERN ENGINE WOODRUFF KEYS FOR V-TWIN

EASTERN PINION SHAFT REPLACEMENT PARTS

O.E.M.

24718-54

24692-54

24701-54

24779-40

24690-40

24695-40

24697-40

24702-40

24781-36

Type

Roller Retainer Right Side

Seal Ring Hat Pinion Shaft

Washer Gear Shift Right Side

Retaining Ring Case Bushing/Race

Washer Case Bushing/Race Left Side

Washer Case Bushing/Race Right Side

Spacer Case Bushing/Race Right Side

Retaining Ring Case Bushing/Race

Spacer Case Bushing/Race Left Side

Year

55-57

54-57

54-57

40-54

40-54

40-54

40-54

40-54

37-54

· Sold in packs of 10

HARLEY-DAVIDSON	Year	O.E.M.	Туре	P/N	Retail
Big Twin	12-E81	23985-12	Pinion & Sprocket Shaft	603040	12.50
Big Twin	90-99		Pinion Gear Key	603331	6.50
Big Twin	54-89	23985-54	Pinion Shaft Gears	603042	7.95
Big Twin	56-71	23985-56	Sprocket Shaft	603043	9.50
FL, FX	30-E81	23985-18	Crank	603041	7.95
Sportster	86-01		Pinion Gear Key	603331	6.50
K, XL	52-E81	23985-12	Pinion & Sprocket Shaft	603040	12.50
K, XL	52-E81	23985-18	Crank	603041	7.95
W, G	29-73	23985-18	Crank	603041	7.95







BIKER'S CHOICE® PINION SHAFT BEARING ROLLER AND RETAINER KIT FOR V-TWIN

- Includes bearing retainer and fourteen standard diameter rollers
- Two kits required to service one engine
- Fits 58-86 Big Twin pinion shaft

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	58-86	24648-77	492565	19.95
FXST	84-86	24648-77	492565	19.95
FXR	82-86	24648-77	492565	19.95
FX	71-86	24648-77	492565	19.95



S&S® PINION SHAFT PLUG

P/N	Retail
493872	1.95





S&S® ENGINE WOODRUFF KEYS

3/32 x 1/2 in.

Made in USA

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	54-89	23985-54	496799	3.95
FXST	84-89	23985-54	496799	3.95
FLST	86-89	23985-54	496799	3.95
FXR	82-89	23985-54	496799	3.95
FX	71-86	23985-54	496799	3.95

AUDIO, VIDEO & NAVIGATION

INDIAN & VICTORY

WINDSHIELDS



LUGGAGE

SECURITY & COVERS

TIRES & WHEELS

BRAKES

CHASSIS

SUSPENSION

SHEET METAL

EXHAUST

FUEL & AIR SYSTEMS ENGINE & OIL FILTERS

PRIMARY DRIVE

TRANSMISSION & FINAL DRIVE

GASKETS & HARDWARE

HANDLEBARS & CONTROL

CABLES

CONTROL INSTRUMENT

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> **TRAILERS** & RAMPS

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S&S® PINION GEARS

High-quality gears precision-machined, heat-treated and finish ground to different sizes for optimum gear lash.

• Each size is color-coded to match a stock equivalent gear

54-77

54-77

54-77

54-77

- Gears from the middle of the range are recommended for building from scratch
- Made in USA

Big Twin

Big Twin

Big Twin

Big Twin



Orange

Black

Red

Blue

P/N	Retail
499197	83.95
499594	83.95
499316	83.95
499318	83.95
499196	95.95
499314	95.95
499317	95.95
499324	95.95

HARLEY-DAVIDSON	Year	Color	Mfg/N	P/N	Retail
Big Twin	39-53	Orange		499195	159.95
Big Twin	39-53	Black	24010-51	499198	149.95
Big Twin	39-53	Blue	24010-39	499319	149.95
Sportster	91-99	Blue	24056-91	483918	159.95
Sportster	91-99	Red	24057-91	483919	159.95
Sportster	91-99	Green	24058-91	483920	159.95
Sportster	91-99	White	24059-91	483921	159.95
Sportster	91-99	Yellow	24060-91	483922	159.95

ALTO PINION SHAFT GEAR NUT FOR V-TWIN





DSON	Year	O.E.M.	P/N	Retail
	54-89	24023-54	603049	5.99
	84-89	24023-54	603049	5.99
	86-89	24023-54	603049	5.99
	82-89	24023-54	603049	5.99
	71-86	24023-54	603049	5.99

JIMS® PINION GEARS

- Measures 1.4729-14737
- Measurements are taken over .105 gauge pins
- Replaces O.E.M. 24043-78

Year	P/N	Retail
74-99	461339	123.50
84-99	461339	123.50
86-99	461339	123.50
91-99	461339	123.50
82-94	461339	123.50
74-86	461339	123.50
	74-99 84-99 86-99 91-99 82-94	74-99 461339 84-99 461339 86-99 461339 91-99 461339 82-94 461339

JIMS® PINION GEAR NUTS

- 5/8 x 24 in.
- Replaces O.E.M. 24023-54

replaces of Elivii E 1025 5 1			
HARLEY-DAVIDSON	Year	P/N	Retail
FL, FLH	54-89	461337	17.95
FXST	84-89	461337	17.95
FLST	86-89	461337	17.95
FXR	82-89	461337	17.95
FX	74-86	461337	17.95





S&S® PINION SHAFT CONVERSION KIT

- For installation on 84-89 Big Twin or scratch built
- For 77-89 style pinion gears

Note: Will work with 90-99 Big Twin with S&S® Flywheels.

	3		,	
HARLEY-DAVIDSON	Year	Color	P/N	Retail
FLH	84-89	Red	493250	128.95
FLH	84-89	Yellow	496792	131.95
FXST, FLST	84-89	Red	493250	128.95
FXST, FLST	84-89	Yellow	496792	131.95
FXR	84-89	Red	493250	128.95
FXR	84-89	Yellow	496792	131.95
FX	84-86	Red	493250	128.95
FX	84-86	Yellow	496792	131.95







JIMS® PINION SHAFT BUSHINGS

- Standard
- Replaces O.E.M. 25582-36, 25582-54, 25582-73, 25582-93
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	93-99	461350	30.50
FXST, FLST	93-99	461350	30.50
FXD	93-99	461350	30.50
FXD	91-92	461349	37.95
FXR	93-94	461350	30.50
FXR	82-92	461349	37.95
FL, FLH	54-92	461349	37.95
FXST	84-92	461349	37.95
FLST	86-92	461349	37.95
FX	71-86	461349	37.95
FL	36-53	461348	30.95

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EASTERN PINION SHAFT GEAR SPACER FOR V-TWIN

Sold in packs of five



HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	55-90	24703-54	603241	14.95
FXST	84-90	24703-54	603241	14.95
FLST	86-90	24703-54	603241	14.95
FXR	82-90	24703-54	603241	14.95
FX	71-86	24703-54	603241	14.95



S&S® IDLER GEAR 36-69 BT

· Shims not included

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FL	36-69	25775-36	483961	155.95



S&S® IDLER GEAR SHAFT

. .5556" x 1.8760"

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FL	36-69	25791-36	483956	12.95

S&S® CIRCUIT BREAKER IDLER BUSHING

Bronze

 Fits all S&S circuit breaker drive and idler gears for 36-69 Big Twin

HARLEY-DAVIDSON	Year	P/N	Retail
FL	36-69	483959	13.95



S&S® CIRCUIT BREAKER IDLER GEAR SHIMS AND PINS

• From .050-.066 in.

Steel



483968

HARLEY-DAVIDSON	Year	Description	Size	P/N	Retail
FL	36-69	Shims	.050"	483963	4.95
FL	36-69	Shims	.054"	483964	4.95
FL	36-69	Shims	.058"	483965	4.95
FL	36-69	Shims	.062"	483966	6.95
FL	36-69	Shims	.066"	483967	6.95
FL	36-69	5 pk Pins	.120"	483968	2.95
FL	36-69	10 pk Pins	.138"	483969	6.25



S&S® CIRCUIT BREAKER GEAR ASSEMBLY CLOCKWISE

 Direct replacement for stock gears to be used with stock-style timers

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FL	36-69	25850-36A	483960	249.95



S&S® CIRCUIT BREAKER GEAR CLOCKWISE

 For standard/Clockwise rotation circuit breaker drive gear assembly

 7/16 and 1/8 in. diameter roll pins for stock and aftermarket timers

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FL	36-69	32531-36	483962	94.95



S&S® CIRCUIT BREAKER GEAR COUNTERCLOCKWISE

• Reverse/Counterclockwise rotation

 Requires P/N 483958 (SS#33-4209) circuit breaker gear assembly

 7/16 and 1/8 in. diameter roll pins for stock and aftermarket timers

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FL	36-69	32531-36	483957	105.95



S&S® CIRCUIT BREAKER GEAR ASSEMBLY COUNTERCLOCKWISE

Reverse/Counterclockwise Rotation

 Requires P/N 483957 (SS#33-4208) circuit breaker gear

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FL	36-69	25850-36A	483958	269.95



S&S® CIRCUIT BREAKER DRIVE GEAR SHAFT

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FL	36-69	25856-36	483955	34.95



EASTERN CIRCUIT BREAKER STUD AND BUSHING KIT

• Contains one shaft and two bushings

Replaces O.E.M.s 25856-77, 25785-30A

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FL	36-69	25785-30A	603496	19.95

AUDIO, VIDEO & NAVIGATION

INDIAN & VICTORY

WINDSHIELDS

SEATS & SISSY BARS

LUGGAGE

SECURITY & COVERS

TIRES & Wheels

BRAKES

CHASSIS

SUSPENSION

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EXHAUST

FUEL & AIR Systems

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GASKETS &

HANDLEBARS & CONTROL

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INSTRUMENT & LIGHTING

ELECTRICAL

BATTERIES & CHARGERS

TRAILERS & RAMPS

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SEATS & SISSY BARS

LUGGAGE

& COVERS

TIRES 8 WHEELS

BRAKES CHASSIS

SUSPENSION

SHEET METAL

EXHAUST

FUEL & AIR SYSTEMS

ENGINE &

PRIMARY DRIVE

TRANSMISSION & FINAL DRIVE

> **GASKETS &** HARDWARE

HANDLEBARS

CABLES F00T

CONTROL INSTRUMENT & LIGHTING

ELECTRICAL

BATTERIES & CHARGERS

> TRAILERS & RAMPS

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NEW!

FEULING® BOLT DRESS UP 22 PIECE KIT

- Feuling® Dress-up fastener kits for Twin Cam® engines
- Quality 12-point hardened stainless steel bolts with a SHOW corrosion-resistant finish
- Feature precision rolled threads for optimum engagement, to prevent galling and promote more consistent torque loading
- Wide underhead flange design provides even load distribution for optimum sealing of surfaces - preventing leaks
- Top engine builders demand quality fasteners! Secure your engine with complete confidence
- Eliminates thread problems associated with chromed hardware
- Tensile strength rated at 170,000 psi Superior & Stronger than O.E.M. and stronger than grade 8 fasteners
- Manufactured by ARP® to Feulings® exact specifications Kits include moly assembly lubricant for installation
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-16	488134	89.95
FXST, FLST	00-16	488134	89.95
FXD	99-16	488134	89.95



FEULING® ENGINE CASE BOLT FASTENERS

- Feuling Dress-up Fastener Kits for Twin Cam® engines
- Quality 12-point hardened stainless steel bolts with a show corrosionresistant finish
- Feature precision rolled threads for optimum engagement, to prevent galling and promote more consistent torque loading
- Wide underhead flange design provides even load distribution for optimum sealing of surfaces - preventing leaks
- Top engine builders demand quality fasteners! Secure your engine with complete confidence
- Eliminates thread problems associated with chromed hardware
- Tensile strength rated @ 170,000 psi superior and stronger than O.E.M. and stronger than grade 8 fasteners
- Manufactured by ARP® to Feulings exact specifications Kits include moly assembly lubricant for installation
- Made in USA







FEULING® COMPLETE ENGINE FASTENER KIT

- Complete Twin Cam engine 12-point fastener kits including dress up special alloyed stainless external engine fasteners and heat treated 8740 black oxide internal engine fasteners
- Top engine builders demand quality fasteners! Secure your engine with complete confidence
- Tensile strength rated at 170,000 psi superior and stronger than O.E.M. and stronger than grade 8 fasteners
- Made in USA

All necessary fasteners for the Twin Cam® engine under one P/N Mfg/N 3000 cylinder studs/head bolts

Mfg/N 3030 case bolts

Mfg/N 3035 lifter blocks, cam cover, oil filter adapt.

Mfg/N 3040 rocker covers

Mfg/N 3042 cam/pinion shaft bolts/washers

Mfg/N 3045 Rocker arm supports, breathers, rocker box housing bolts/washers

Mfg/N 3048 exhaust studs and lock nuts, Moly lubricant, Loctite, thread sealant and installation



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	01-16	488139	699.95
FLH	99-00	488138	699.95
FLH	85-98	488151	199.95
FXST, FLST	02-16	488139	699.95
FXST, FLST	00-01	488138	699.95
FXST	85-99	488151	199.95
FLST	86-99	488151	199.95
FXD	01-16	488139	699.95
FXD	99-00	488138	699.95
FXD	91-98	488151	199.95
FXR	85-94	488151	199.95
XL	04-16	488146	229.50



FEULING® 12 POINT ENGINE FASTENER KIT

Twin Cam engine bolt kit includes: Cam cover, Lifter blocks, Rocker box, Case bolts, Oil filter adapter, Crank sensor, Exhaust studs #s: 3031, 3035, 3040, 3048. T/C 99-15 A & B Motors

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-16	488137	249.95
FXST, FLST	00-16	488137	249.95
FXD	99-16	488137	249.95



COLONY ENGINE CASE STUD KITS FOR V-TWIN

- All required hardware included to bolt cases together
 O.E.M. style
- Chrome-plated

Hexed Chrome

нехеа Спготе			
HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	96-16	044013	36.99
Big Twin	79-95	044223	55.99
Big Twin	70-78	044221	55.99
Flathead	36-39	043977	55.99
Hexed CAD			
HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	79-95	043981	49.99
Big Twin	70-78	043980	49.99
Big Twin	48-64	043979	49.99
Big Twin	40-47	043978	49.99
Sportster	57-76	044553	27.99
Acorn			
HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	79-95	044222	60.99
Big Twin	70-78	044220	60.99
Allen Chrome			
HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	99-16	0445541	18.99
1 88" models			



COLONY MOTOR MOUNT HARDWARE KITS FOR V-TWIN

- Chrome-plated
- O.E.M. hex-head style
 Kit includes nuts, bolts and stud mounts for top, front and rear

HARLEY-DAVIDSON	Year	Description	P/N	Retail
Dyna	99-05	Allen	043867	211.99
Show Bike Chrome				
HARLEY-DAVIDSON	Year	Description	P/N	Retai
Softail	92-99	Allen	043868	202.99
Upper and Lower C	hrome			
HARLEY-DAVIDSON	Year	Description	P/N	Retai
Big Twin	70-84	Hexed	044289	37.99
Big Twin	36-69	Hexed	044232	54.99
Softail	84-99	Hexed	044499	47.99
Sportster	57-85	Hexed	044497	45.9
Upper and Lower F	olishad			
HARLEY-DAVIDSON	Year	Description	P/N	Retai
FLH, FXR	88-06	Allen	044568	47.9
Softail	84-99	Allen	044567	51.99
Dyna	91-16	Allen	044569	19.9
Dyna Upper and Lower C	3	Allen	044569	19.9
,	3	,	044569 P/N	
, Upper and Lower C HARLEY-DAVIDSON	TAD	Allen Description Hexed	011000	Retai
Upper and Lower C HARLEY-DAVIDSON Big Twin	AD Year	Description Hexed	P/N	Retai
' Upper and Lower C	AD Year 70-84	Description	P/N 044361	Retai 32.99 50.99
Upper and Lower C HARLEY-DAVIDSON Big Twin Big Twin Sportster	Year 70-84 36-69 57-85	Description Hexed Hexed Hexed	P/N 044361 043991	Retai 32.9 50.9
Upper and Lower C HARLEY-DAVIDSON Big Twin Big Twin Sportster Upper and Lower P	Year 70-84 36-69 57-85	Description Hexed Hexed Hexed	P/N 044361 043991	Retai 32.9 50.9 38.9
Upper and Lower C HARLEY-DAVIDSON Big Twin Big Twin	70-84 36-69 57-85	Description Hexed Hexed Hexed	P/N 044361 043991 044498	Retai 32.9 50.9 38.9
Upper and Lower C HARLEY-DAVIDSON Big Twin Big Twin Sportster Upper and Lower P HARLEY-DAVIDSON Big Twin	Year 70-84 36-69 57-85 Varkerized Year	Description Hexed Hexed Hexed Description	P/N 044361 043991 044498	Retai 32.9 50.9 38.9
Upper and Lower C HARLEY-DAVIDSON Big Twin Sportster Upper and Lower P HARLEY-DAVIDSON Big Twin Upper Acorn	Year 70-84 36-69 57-85 Varkerized Year	Description Hexed Hexed Hexed Description Hexed	P/N 044361 043991 044498	Retai 32.99 50.99 38.99 Retai
Upper and Lower C HARLEY-DAVIDSON Big Twin Big Twin Sportster Upper and Lower P HARLEY-DAVIDSON	70-84 36-69 57-85 8arkerized Year 36-69	Description Hexed Hexed Hexed Description	P/N 044361 043991 044498 P/N 044496	Retai 32.99 50.99 38.99 Retai 50.99
Upper and Lower C HARLEY-DAVIDSON Big Twin Big Twin Sportster Upper and Lower P HARLEY-DAVIDSON Big Twin Upper Acorn HARLEY-DAVIDSON Big Twin	Year 70-84 36-69 57-85 **arkerized** Year 36-69 Year	Description Hexed Hexed Hexed Description Hexed	P/N 044361 043991 044498 P/N 044496	Retai 32.99 50.99 38.99 Retai 50.99
Upper and Lower C HARLEY-DAVIDSON Big Twin Sportster Upper and Lower P HARLEY-DAVIDSON Big Twin Upper Acorn HARLEY-DAVIDSON	Year 70-84 36-69 57-85 **arkerized** Year 36-69 Year	Description Hexed Hexed Hexed Description Hexed	P/N 044361 043991 044498 P/N 044496	Retai 32.99 50.99 38.99 Retai 18.99

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GARDNER-WESTCOTT CUSTOM MOTOR HARDWARE SETS

These hardware sets include all side covers, lifter blocks, timing plug, inner primary mount, top, front and rear motor mounts, rocker boxes. Also included are header mount and point cover.

- · Washer and nuts supplied where needed
- Made in USA



Chrome			
HARLEY-DAVIDSON	Year	P/N	Retail
FLT	09-16	041829	180.95
FLT	07-08	041753	177.95
FLT	99-06	040985	151.95
FLT, FXR	91-98	041787	169.95
FXST, FLST	07-16	041754	174.95
FXST, FLST	00-06	041847	151.95
FXST, FLST	87-99	041788	141.95
FXD	07-16	041755	198.95
FXD	99-05	040983	177.95
FLH, FX	L76-84	041789	84.95
FLH, FX	70-E76	041790	80.95
XL	04-16	041759	156.95

Stainless Steel			
HARLEY-DAVIDSON	Year	P/N	Retail
FLT	09-16	041823	199.95
FLT	07-08	041824	207.95
FLT	99-06	041827	161.95
FLT, FXR	91-98	041792	186.95
FXST, FLST	07-16	041825	168.95
FXST, FLST	00-06	041828	128.95
FXST, FLST	87-99	041793	153.95
FXD	07-16	041826	180.95
FXD	99-05	041821	134.95
FLH, FX	L76-84	041794	136.95
XL	04-16	041791	152.95



GARDNER-WESTCOTT ENGINE MOUNT CUSTOM HARDWARE KITS FOR V-TWIN

· Made in USA



Allen			
HARLEY-DAVIDSON	Year	P/N	Retail
FLH, FLT	09-16	041831	36.95
FLH, FLT	07-08	041837	54.95
FLH, FLT, FXR	91-96	041114 ¹	50.95
FLH, FLT, FXR	87-90	041676 ¹	61.95
FL, FX	48-84	0416151	25.95
FXST, FLST	07-16	041892	85.95
FXST, FLST	00-17	041852 ²	47.95
FXST, FLST	00-06	041851 ³	78.95
FXST, FLST	84-99	041656 ¹	34.95
FXD	07-16	041853	56.95
FX	1985	041656	34.95
42.5 / /			
12-Point			
HARLEY-DAVIDSON	Year	P/N	Retail
FXST, FLST	84-99	041117 ¹	63.95

Hex HARLEY-DAVIDSON Year P/N Retail FXST, FLST 84-99 041857 31.95 FX 1984 041857 31.95

2017 BIKER'S CHOICE CATALOG BIKER'S & CHOICE

¹ Top, Front, and Rear ² Lower Front Set with Spacers ³ Top, Front and Rear with Front Spacers



NEW!

S&S® 107" BIG BORE KIT

Largest bore (3.937") that can be fit in a stock engine case cylinder and piston kits make going to the maximum bore size easy — no machining required.

- Stock engine height is maintained 11 fin cylinder design closely resembles OEM shape and come prefinished – ready to install Increased fin area for better heat dissipation
- Centrifugal cast, gray iron liner features 40,000 psi tensile strength superior wear and performance
- CP Pistons are recognized as industry leaders, and provide exceptional wear, performance and noise characteristics
- Made in USA



HARLEY-DAVIDSON	Year	Color	P/N	Retail
Big Twin	07-16	Silver	482878	929.95
Big Twin	07-16	Black	482879	929.95



S&S® 98 BIG BORE KIT

Cylinder and piston kits make going to the maximum bores size easy, no machining required.

- Largest bore, 3.937 in., that can be fit in a stock engine case
- Stock engine height is maintained
- 11 fin cylinder design closely resembles O.E.M. shape and comes prefinished, ready to install
- Increased fin area for better heat dissipation Centrifugal cast, gray iron liner features 40,000 psi tensile strength; superior wear and performance
- CP Pistons provide exceptional wear, performance and noise characteristics
- Made in USA



HARLEY-DAVIDSON	Year	Color	P/N	Retail
FLH	99-06	Silver	483999	929.95
FXST, FLST	00-06	Silver	483999	929.95
FXD	99-06	Silver	483999	929.95
FLH	99-06	Black	484000	929.95
FXST, FLST	00-06	Black	484000	929.95
FXD	99-06	Black	484000	929.95



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S&S® 97 AND 106" BIG BORE KIT

- Piston weight for 97 and 106 in. kits are the same as stock, requiring no flywheel rebalancing
- Cylinders do not require crankcase machining to install

- Forged coated pistons are compatible with stock or S&S® Super Stock® heads
 Valve pocket recessed in S&S® pistons are enlarged for oversize valves and higher lift cams
 Silver or black wrinkle powder-coated cylinder finish color matches stock Harley-Davidson® finish
- Kits include piston set, top end gasket, \$&\$® cylinders
- Made in USA
- This kit yields excellent results with stock cylinder heads, but adding a performance cam is recommended to get best performance and easier engine starts. For most applications, the S&S® single bore EFI throttle body with a teardrop air cleaner or tuned induction is recommended



00-12 Touring models will need to use stock intake or Screamin' Eagle 58 mm throttle body and Race Tuner or Pro EFI Super Tuner.

Gasket Kits

• 97 and 106 in. engines

•	51	unu	100		crigin
P/	N			Re	etail
49	9749	99		6	5.95

Replacement Piston Rings

P/N	Ketaii
483950	38.95

97 AND 106" BIG BORE KIT SPECIFICATIONS

			Cylinder	Piston	Compression	S&5®			
Displacement	Stroke	Bore	Length	Type	Stock Heads 89cc	Stock Heads	Color	P/N	Retail
106"	4-3/8"	3.927"	4.937"	Forged	10.0:1	9.7:1	Silver	495660	799.95
97"	4"	3.927"	4.937"	Forged	9.7:1	9.4:1	Silver	495662	799.95
106"	4-3/8"	3.927"	4.937"	Forged	10.0:1	9.7:1	Black	495661	799.95
97"	4"	3.927"	4.937"	Forged	9.7:1	9.4:1	Black	495663	799.95

S&S® 95" TWIN CAM BIG BORE KIT

Designed for twin cam motors to increase displacement of stock from 88 in. engines to 95 in.

- Includes cylinders, pistons, rings, wrist pin, clips, head gaskets and base gaskets
- Available natural or black powder-coated finish
- Made in USA

HARLEY-DAVIDSON	Year	Finish	P/N	Retail
FLH	99-06	Natural	499962	824.95
FLH	99-06	Black	495220	824.95
FXST, FLST	00-06	Natural	499962	824.95
FXST, FLST	00-06	Black	495220	824.95
FXD	99-06	Natural	499962	824.95
FXD	99-06	Black	495220	824.95



495662

972



S&S® 1250CC CONVERSION KIT

Forged pistons: coated piston skirts with measurement window and S&S logo. Stock 1986-2015 1200cc cylinders can be bored over to accept these pistons.

• Pistons have larger than stock valve pockets: accepts up to 2.00 in. valves

Made in USA

Includes: S&S 1250cc pistons with rings and wrist pins S&S 3-9/16 in. bore cylinders MSL head, base, and exhaust gaskets Assembly lube

Instructions

Note: Cannot be used with stock 883 heads.



HARLEY-DAVIDSON	Year	Compression	Finish	P/N	Retail
XL	86-16	10.3:1	Silver	483970	989.95
XL	86-16	10.3:1	Black	483972	989.95
XL	86-16	11.2:1	Silver	483971	999.95
XL	86-16	11.2:1	Black	483973	999.95



498286

S&S® CYLINDER AND PISTON CONVERSION KIT

Increase displacement from 883 cc to 1200 cc. Save time because pistons are already fit to the cylinders, ready to assemble out of the box.

 No machining, rebalancing or cylinder head modifications

· Durable power-coat finish, silver or black wrinkle

Includes: S&S® 883-1200 cc conversion pistons with rings and wrist pins, S&S® 3-1/2 in. bore cylinders, cylinder head, base and exhaust gaskets, assembly lube and instructions

Made in USA



HARLEY-DAVIDSON	Year	Finish	P/N	Retail
XL	86-16	Silver	498286	964.95
XL	86-16	Wrinkle Black	498282	964.95



S&S® 80" SHOVELHEAD BAND STYLE TOP END KIT

S&S® offers Shovelhead style top end kits

- that provide everything you need to replace the top end of a 80 in. Shovelhead engine.

 Kit includes a set of S&S® Shovelhead style cylinder heads, a set of S&S® stock bore cylinders, 3-1/2 for 80 in., S&S® cast 8:1 compression pistons complete with rings and wrist pins, manifold clamps, manifold seals, all required hardware and gaskets
- 4-1/4 in. stroke pistons and rubber band style cylinder heads are also included
- Pistons are pre-fit to the cylinders, so there is no machine work done and very little down time
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	79-84	498521	2219.95
FX	79-84	498521	2219.95



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Gloss black

• Made in USA

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S&S® TOP END KIT

These Top End Kits include a set of S&S Shovelhead-style cylinder heads, a pair of S&S stock bore cylinders 3-7/16 in. for 74 in. engines, Wiseco cast 8:1 compression pistons complete with rings and wrist pins, manifold clamps, manifold seals, all required hardware, and gaskets.

This 74 in. top end kit includes Wiseco 92-2500 series 3-31/32 in.

- stroke pistons and O-ring style cylinder heads
 Pistons are pre-fit to the cylinders, so there is no machine work to be
- done and very little down time
- Made in USA

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		_
		-
		_

HARLEY-DAVIDSON	Year	P/N	Ketaii
FLH, FX	66-78	484049	2199.95





HARLEY-DAVIDSON	Year	Displacement	Stroke	Bore	Cylinder Length	P/N	Retail
FLH	66-84	74"	3-31/32"	3-7/16"	5.330"	483900	723.95
FX	71-84	74"	3-31/32"	3-7/16"	5.330"	483900	723.95
FLH	66-84	80"	4-1/4"	3-1/2"	5.330"	483901	723.95
FX	71-84	80"	4-1/4"	3-1/2"	5.330"	483901	723.95
FLH	66-84	88"	4-1/4"	3-5/8"	5.330"	483902	723.95
FX	71-84	88"	4-1/4"	3-5/8"	5.330"	483902	723.95
FLH	66-84	93"	4'1/2"	3-5/8"	5.405"	483903	723.95
FX	71-84	93"	4'1/2"	3-5/8"	5.405"	483903	723.95

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TWIN POWER CYLINDERS

Our cylinders are perfect for stock replacement. They all meet or exceed O.E.M. specifications. They are made of aluminum for your Sportster, aluminum with a steel liner for your Evolution and cast iron for your Shovelhead and Panhead.

- Cast iron cylinders
- Sold individually

HARLEY-DAVIDSON	Year	O.E.M.	Material	Finish	Position	P/N	Retail
Shovelhead, Panhead	48-65	16483-48	Cast Iron	Black	Front	4899151	165.95
Shovelhead, Panhead	48-65	16492-48	Cast Iron	Black	Rear	4899161	165.95
Shovelhead, Panhead	66-80	16485-74A	Cast Iron	Black	Front	4925891	165.95
Shovelhead, Panhead	66-80	16492-74A	Cast Iron	Black	Rear	4925901	165.95
Shovelhead, Panhead	78-84	16494-78	Cast Iron	Black	Front	492868 ²	164.95
Shovelhead, Panhead	78-84	16495-78	Cast Iron	Black	Rear	492869 ²	164.95
Big Twin 1340	84-99	16510-83A	Aluminum	Natural		493036	242.50
Big Twin 1340	84-99	16510-83A	Aluminum	Black		495614	242.50
Sportster 1200	88-16	16447-88	Aluminum	Natural		489917	233.95
Sportster 1200	88-16	16447-88	Aluminum	Black		489918	229.95

1 74" models 2 80" models



HAYDEN "THE" OIL-FIX

- Simple device that fixes problem leaks associated with the base gasket.
 With the oil control jet installed into the crankcases, the oil doesn't touch the gasket; thereby, no leaking through the base gasket
 The small end of The Oil Fix oil control jet, is installed into the oil return
- in the case and the big end fits up into the barrel; then the oil flows through the jet, past the base gasket and into the case
- For all Big Twin models
- Made in USA







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EXCLUSIVE

TWIN POWER CAST REPLACEMENT PISTONS

Manufactured from O.E.M. quality aluminum alloy, the Twin Cam and Evolution pistons have MoS2 coating that extends piston life, reduces friction and allows for cooler running engines. They are economical with great performance all in one package. If you are looking for an O.E.M. replacement, these are the pistons for you.
Includes two pistons, wrist pins and clips.
Hastings rings are to be ordered separately





	Hastings		-
Retail	Cast Rings	Retail	100
57.99			1
57.99			
57.99			
43.99	165400 ⁴	37.50	
43.99	165410 ⁴	37.50	
43.99	1654204	37.50	100
43.99	1654304	37.50	
43.99	1654324	37.50	
45.50	1658001,4	36.99	
45.50	165810 ^{1,4}	36.99	(
45.50	165820 ^{1,4}	36.99	80" Sh
45.50	165820 ^{2,4}	36.99	
45.50	1658301,4	36.99	-
45.50	165830 ^{2,4}	36.99	4000
45.50	1658401,4	36.99	9







		_			Hastings		Hastings	
HARLEY-DAVIDSON	Year	Desc.	Pistons	Retail	Moly Rings		Cast Rings	Retail
Twin Cam	99-06	STD	604475 ³	99.95	165540 ³	57.99		
Twin Cam	99-06	+.010	604476 ³	99.95	165542³	57.99		
Twin Cam	99-06	+.020	604477 ³	99.95	165543³	57.99		
Evolution	84-99	STD	6044704	88.95	1655004	43.99	1654004	37.50
Evolution	84-99	+.010	6044714	88.95	1655104	43.99	1654104	37.50
Evolution	84-99	+.020	6044724	88.95	1655204	43.99	1654204	37.50
Evolution	84-99	+.030	6044734	88.95	1655304	43.99	1654304	37.50
Evolution	84-99	+.040	6044744	88.95	1655324	43.99	1654324	37.50
Shovelhead	79-84	STD	6044291,4	67.95	1659001,4	45.50	1658001,4	36.99
Shovelhead	79-84	+.010	6044301,4	67.95	165910 ^{1,4}	45.50	165810 ^{1,4}	36.99
Shovelhead	79-84	+.020	6044311,4	67.95	165920 ^{1,4}	45.50	165820 ^{1,4}	36.99
Shovelhead	79-84	+.020	6044662,4	67.95	165920 ^{2,4}	45.50	165820 ^{2,4}	36.99
Shovelhead	79-84	+.030	6044321,4	67.95	165930 ^{1,4}	45.50	165830 ^{1,4}	36.99
Shovelhead	79-84	+.030	6044672,4	67.95	165930 ^{2,4}	45.50	165830 ^{2,4}	36.99
Shovelhead	79-84	+.040	6044331,4	67.95	165940 ^{1,4}	45.50	165840 ^{1,4}	36.99
Shovelhead	79-84	+.040	6044682,4	67.95	165940 ^{2,4}	45.50	165840 ^{2,4}	36.99
Shovelhead	79-84	+.050	6044341,4	67.95	165950 ^{1,4}	44.99	165850 ^{1,4}	36.99
Shovelhead	79-84	+.050	6044692,4	67.95	165950 ^{2,4}	44.99	165850 ^{2,4}	36.99
Knuckle/Panhead/Shovelhead	41-78	STD	6044225	67.95	165700⁵	43.99	165600⁵	34.50
Knuckle/Panhead/Shovelhead	41-78	+.010	604423⁵	67.95	165710 ⁵	43.99	165610⁵	34.50
Knuckle/Panhead/Shovelhead	41-78	+.020	6044245	67.95	165720 ⁵	43.99	165620⁵	34.50
Knuckle/Panhead/Shovelhead	41-78	+.030	604425⁵	67.95	165730⁵	43.99	165630⁵	34.50
Knuckle/Panhead/Shovelhead	41-78	+.040	604426⁵	67.95	165740⁵	43.99	165640 ⁵	34.50
Knuckle/Panhead/Shovelhead	41-78	+.050	60442 7 5	67.95	165750⁵	43.99	165650⁵	34.50
Knuckle/Panhead/Shovelhead	41-78	+.060	6044285	67.95	165760⁵	43.99	165660⁵	34.50
Sportster 883/1200	86-15	STD	604480 ⁶	88.95	165500 ⁶	43.99	165400 ⁶	37.50
Sportster 883/1200	86-15	+.010	604481 ⁶	88.95	165510 ⁶	43.99	165410 ⁶	37.50
Sportster 883/1200	86-15	+.020	604482 ⁶	88.95	165520 ⁶	43.99	165420 ⁶	37.50
Sportster 883/1200	86-15	+.030	604483 ⁶	88.95	165530 ⁶	43.99	165430 ⁶	37.50
Sportster 883/1200	86-15	+.040	604484 ⁶	88.95	165532 ⁶	43.99	165432 ⁶	37.50
Sportster 1200	88-03	STD	604485	88.95	165500	43.99	165400	37.50
Sportster 1200	88-03	.010	604486	88.95	165510	43.99	165410	37.50
Sportster 1200	88-03	.020	604487	88.95	165520	43.99	165420	37.50
Sportster 1200	88-03	.030	604488	88.95	165530	43.99	165430	37.50
Sportster 1200	88-03	.040	604489	88.95	165532	43.99	165432	37.50
Sportster 1000	73-85	STD	6044907	61.95	165100 ⁷	48.99		
Sportster 1000	73-85	+.010	6044917	61.95	165110 ⁷	48.99		
Sportster 1000	73-85	+.020	6044927	61.95	165120 ⁷	48.99		
Sportster 1000	73-85	+.030	6044937	61.95	165130 ⁷	48.99		
Sportster 1000	73-85	+.040	6044947	61.95	165140 ⁷	48.99		
Sportster 1000	73-85	+.050	6044957	61.95	165150 ⁷	48.99		
Sportster 1000	73-85	+.060	6044967	61.95	165160 ⁷	48.99		
1 MOC2 Control 5 74" model	ala.							

- 1 MOS2 Coated 5 74" models
- ² Non-Coated ³ 95" models 6 1200 Conversion
- 4 80" models
- 7 Iron Head models

Circlips For Cast Replacement Pistons

Description	P/N	Retail
Spiral Type	604478	1.00
C-Type	604479	1.00

Twin Cam	9:1
80" Evolution	8.5:1
80" Shovelhead	8:1
74" Shovelhead	8.5:1
74" Panhead	8.5:1
74" Knuckle	8:1
1000 Ironhead	8:1

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HASTINGS® MOLY RINGS FOR SPORTSTERS

883cc Evolution: Hastings® #6198 moly-faced replacement rings for O.E.M. pistons. Standard bore is 3.005 in. Fits 86-15 Sportster. Sold individually per cylinder.

1000cc Iron Head: Hastings® #7003 moly-faced replacement rings for O.E.M pistons. Standard bore is 3.005 in. Fits 72-E85 Sportster. Sold as set of two cylinders.

1200cc: Fits 04-up Sportster. Sold individually per cylinder.

1200cc Evolution: Hastings® #6164 moly-faced replacement rings for O.E.M. pistons. Standard bore is 3.4978 in. Fits 88-03 Sportster. Sold as set of two cylinders.

Engine Type	Size	O.E.M.	P/N	Retail
883 Evolution	3.005"	17040-04, 22266-86	165200	30.99
883 Evolution	+.005"	17040-92, 22271-86	165205	31.99
883 Evolution	+.020"	17038-90, 22262-86	165220	31.99
1000cc Iron Head	STD		165100	46.99
1000cc Iron Head	+.010"		165110	44.99
1000cc Iron Head	+.020"		165120	46.99
1000cc Iron Head	+.030"		165130	46.99
1000cc Iron Head	+.040"		165140	46.99
1000cc Iron Head	+.050"		165150	46.99
1000cc Iron Head	+.060"		165160	46.99
1200cc	STD	17035-83, 21948-02	165505	36.99
1200cc	+.005"	17035-84, 22231-04	165515	36.99
1200cc	+.010"	17038-90, 22238-04	165525	36.99
1200cc Evolution,				
Late 1340cc Evolution	STD	17034-48, 21920-83	165500	40.99
1200cc Evolution,				
Late 1340cc Evolution	+ .005"	17034-66, 21921-83	165501	40.99
1200cc Evolution,				
Late 1340cc Evolution	+.010"	17034-66, 21922-83	165510	40.99
1200cc Evolution,				
Late 1340cc Evolution	+.020"	17034-78, 21923-83	165520	40.99
1200cc Evolution,				
Late 1340cc Evolution	+.030"	17035-83, 21924-83	165530	40.99
1200cc Evolution,		<u> </u>		
Late 1340cc Evolution	+.040"		165532	42.99



HASTINGS® CAST RINGS FOR SPORTSTERS

Ring sets include cast iron compression rings and three-piece flex-vent oil rings.
Sets are for two pistons.
1000cc engines fit 72-E85 Sportster.

1200cc Evolution: Hastings® #6164 replacement rings for O.E.M. pistons have 5/32 in. oil rings. Standard bore is 3.4978 in. Fits 88-03 Sportster.

Size	O.E.M.	P/N	Retail
STD	22355-72A	165000	44.04
+.010"	22357-72A	165010	48.76
+.030"	22359-72A	165030	44.04
STD	17034-48, 21920-83	165400	35.99
+.005"	17034-48, 21921-83	165405	35.99
+.010"	17034-66, 21922-83	165410	35.99
+.020"	17034-66X, 21923-83	165420	35.99
+.030"	17034-80A, 21924-83	165430	36.99
+.040"		165432	36.99
	STD +.010" +.030" STD +.005" +.010" +.020" +.030"	STD 22355-72A +.010" 22357-72A +.030" 22359-72A STD 17034-48, 21920-83 +.005" 17034-48, 21921-83 +.010" 17034-66, 21922-83 +.020" 17034-66X, 21923-83 +.030" 17034-80A, 21924-83	STD 22355-72A 165000 +.010" 22357-72A 165010 +.030" 22359-72A 165030 STD 17034-48, 21920-83 165400 +.005" 17034-48, 21921-83 165405 +.010" 17034-66, 21922-83 165410 +.020" 17034-66X, 21923-83 165420 +.030" 17034-80A, 21924-83 165430

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HASTINGS® MOLY RINGS FOR BIG TWINS Long lasting durable rings

offer greater heat resistance.

Late 1200cc: Hastings® #6482 moly-faced replacement rings for 74 in, O.E.M. pistons.

Standard bore is 3.438 in. Fits 55-80 Big Twin.

Early 1340cc Shovelhead: Hastings® #6127 moly-faced replacement rings for O.E.M. pistons. Standard bore is 3.498 in. 3/16 in. oil rings, 1/16 in. compression rings. Fits 78-E83 FL; 79-E82 FX.

Late 1340cc Evolution: Hastings® #6164 moly-faced replacement rings for O.E.M. pistons. Standard bore is 3.4978 in. 5/32 in. oil rings, 1/16 in. compression rings. Fits L84-99 Evolution Big Twin.

Twin Cam 88 1450cc: Hastings® #2M4942 for O.E.M. pistons. Bore is 95.25mm or 3.750 in. 3.0mm oil rings, 1.5mm compression rings. Fits 99-06 Twin Cam.

Twin Cam 95 1550cc: Hastings® #2M4941. Bore is 98.43mm or 3.875 in. 2.5mm oil rings, 1.5mm compression rings. Fits 99-08 Twin Cam.

• Sets are for two pistons

Engine Type	Size	O.E.M.	P/N	Retail
Late 1200cc	STD	U.E.IVI.	165700	41.99
Late 1200cc	+.010"		165710	41.99
Late 1200cc	+.020"		165720	41.99
Late 1200cc	+.020"		165730	41.99
Late 1200cc	+.040"		165740	41.99
Late 1200cc	+.050"		165750	42.99
Late 1200cc	+.060"		165760	42.99
Early 1340cc Shovelhead	STD		165900	42.99
Early 1340cc Shovelhead	+.010"		165910	42.99
Early 1340cc Shovelhead	+.010"		165920	42.99
Early 1340cc Shovelhead	+.020"		165930	44.99
Early 1340cc Shovelhead	+.040"		165940	44.99
Early 1340cc Shovelhead	+.040"		165950	44.99
1200cc Evolution,	+.030		103930	44.33
Late 1340cc Evolution	STD	17034-48, 21920-83	165500	40.99
1200cc Evolution,	שונ	17034-40, 21920-03	103300	40.33
Late 1340cc Evolution	+ .005"	17034-66, 21921-83	165501	40.99
1200cc Evolution.	+ .003	17034-00, 21921-03	103301	40.55
Late 1340cc Evolution	+.010"	17034-66, 21922-83	165510	40.99
1200cc Evolution.	T.010	17034-00, 21322-03	103310	40.33
Late 1340cc Evolution	+.020"	17034-78, 21923-83	165520	40.99
1200cc Evolution.	+.020	17034-70, 21923-03	103320	40.55
Late 1340cc Evolution	+.030"	17035-83, 21924-83	165530	40.99
1200cc Evolution,	⊤.030	17033-03, 21324-03	103330	40.33
Late 1340cc Evolution	+.040"		165532	42.99
Twin Cam 88 1450cc	STD		165535	54.99
Twin Cam 88 1450cc	+ .005"		165536	54.99
Twin Cam 88 1450cc	+ .003		165537	54.99
Twin Cam 88 1450cc	+ .010"		165538	54.99
Twin Cam 95 1550cc	+ .020 STD		165540	54.99
Twin Cam 95 1550cc	+ .005"		165541	54.99
Twin Cam 95 1550cc	+.003		165542	54.99
Twin Cam 95 1550cc	+.010"		165543	56.99
IWIII CAIII 30 1000CC	+.020		100045	30.33



HASTINGS® CAST RINGS FOR BIG TWINS

Ring sets include cast iron compression rings and three piece flex-vent oil rings, except for early 1200cc, which is a one-piece cast iron oil ring. Sets are for two pistons.

Made in USA.

Late 1200cc-Fl,FLH,FXE,OHV:

Hastings® #6482 replacement rings for listed 74 in. O.E.M. applications and all Twin Power™ 1200cc pistons have 1/16 in. compression rings. Standard bore is 3.438 in. Fits 55-80 Big Twin.

Early 1340cc Shovelhead: Hastings® #6127 replacement rings for listed O.E.M. applications and all Twin Power™ Shovelhead 1340cc pistons Standard bore is 3.498 in.

3/16 in. oil rings, 1/16 in. compression rings. Fits 78-E83 FL; 79-E82 FX.

Late 1340cc Evolution:

Hastings® #6164 replacement rings for listed O.E.M. applications with 5/32 in. oil rings and all Twin Power™ Evolution 1340cc pistons. Standard bore is 3.498 in.

5/32 in. oil rings, 1/16 in. compression rings. Fits L84-99 Evolution Big Twin.



Engine Type	Size	O.E.M.	P/N	Retail
Late 1200cc FL,FLH,				
FXE OHV	STD	17040-92, 22325-55	165600	32.99
Late 1200cc FL,FLH,				
FXE OHV	+.010"	17040-92, 22327-55	165610	32.99
Late 1200cc FL,FLH,				
FXE OHV	+.020"	17040-92A, 22328-55	165620	32.99
Late 1200cc FL,FLH,				
FXE OHV	+.030"	17040-92A, 22329-55	165630	32.99
Late 1200cc FL,FLH,				
FXE OHV	+.040"	17041-92A, 22330-55	165640	32.99
Late 1200cc FL,FLH,				
FXE OHV	+.050"	17041-92A, 22331-55	165650	32.99
Late 1200cc FL,FLH,				
FXE OHV	+.060"	17041-92A, 22334-78	165660	32.99
Late 1200cc FL,FLH,	_			
FXE OHV	+.070"	17042-92, 22335-78	165670	32.99
Early 1340cc Shovelhead	STD	17042-90, 22334-78	165800	34.99
Early 1340cc Shovelhead	+.010"	17042-92, 22335-78	165810	34.99
Early 1340cc Shovelhead	+.020"	17042-92, 22336-78	165820	34.99
Early 1340cc Shovelhead	+.030"	17042-92, 22337-78	165830	35.99
Early 1340cc Shovelhead	+.040"		165840	35.99
Early 1340cc Shovelhead	+.050"		165850	35.99
1200cc Evolution,				
Late 1340cc Evolution	STD	17034-48, 21920-83	165400	35.99
1200cc Evolution,	005"	47024 40 24024 02	445465	
Late 1340cc Evolution	+.005"	17034-48, 21921-83	165405	35.99
1200cc Evolution,	010"	17024 66 24022 02	465440	35.00
Late 1340cc Evolution	+.010"	17034-66, 21922-83	165410	35.99
1200cc Evolution,	020#	47024 667 24022 02	465430	35.00
Late 1340cc Evolution	+.020"	17034-66X, 21923-83	165420	35.99
1200cc Evolution,	020"	17024 004 24024 02	465430	26.00
Late 1340cc Evolution	+.030"	17034-80A, 21924-83	165430	36.99
1200cc Evolution, Late 1340cc Evolution	+.040"		165432	36.99
Late 1340CC EVOIUTION	+.040		103432	30.99

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WISECO® HIGH-PERFORMANCE FORGED PRO LITE PISTON KIT

- Dedicated forging
- Chrome-plated piston pin Horizontal slot pin oiling
- Pressure seal groove
- Skirt-coated
- Dedicated rings
- Gaskets are included on some applications

- Maximum ring seal
- Reduced friction for quiet operation
- Maximum compression and oil control
- Made in USA





							Tech		Piston		Repl.		Wrist		Retainer	
BUELL	Year	Mfg/N	Bore	Comp.	Displ.	Stroke	Notes	Туре	Kit	Retail	Rings	Retail	Pins	Retail	Clips	Retail
51 White Lightning	97-98	K1701	3.508"\.010	10:1		3.812"	Domed	Buell	162344	319.99			162979	18.59	162991	2.09
S3/S3T Thunderbolt HARLEY-DAVIDSON	97-02	K1701	3.508"\.010	10:1		3.812"	Domed	Buell	162344	319.99			162979	18.59	162991	2.09
Big Twin	07-16	K2751	3.875"\STD	9:1	103"	4.375"	Reverse Dome, Armor Glide	07 14 Tuin Com 06"	162210	240.00	162410	26.60	462007	10 10	162005	2.00
Big Twin	07-16	VT2752	3.880"\.005	9:1	103"	4.375"	Skirt Coated Reverse Dome, Armor Glide	07-14 Twin Cam 96"	162218	349.99	162410	36.69	162987	18.19	162995	2.09
Big Twin	07-16	K2753	3.885"\.010	9:1	103"	4.375"	Skirt Coated Reverse Dome,	07-14 Twin Cam 96"	162368	517.22	162011	36.69	162987	18.19	162995	2.09
					"		Armor Glide Skirt Coated	07-14 Twin Cam 96"	162379	349.99	162411	36.69	162987	18.19	162995	2.09
Big Twin	07-16	K2754	3.875"\STD	10.5:1	103"	4.375"	+5cc Domed, Skirt Coated	07-14 Twin Cam 96"	162219	359.99	162410	36.69	162987	18.19	162995	2.09
Big Twin	07-16	K2755	3.880"\.005	10.5:1	103"	4.375"	+5cc Domed, Skirt Coated	07-14 Twin Cam 96"	162359	359.99	162011	36.69	162987	18.19	162995	2.09
Big Twin	07-16	VT2754	3.875"\STD	10.5:1	103"	4.375"	+5cc Domed, Skirt Coated	07-14 Twin Cam 96"	162012	527.50	162410	36.69	162987	18.19	162995	2.09
Big Twin	07-16	VT2756	3.885"\.010	10.5:1	103"	4.375"	+5cc Domed, Skirt Coated	07-14 Twin Cam 96"	162369	516.99	162411	36.69	162987	18.19	162995	2.09
Big Twin	07-16	K1757	4.000"\STD	10.5:1	110"	4.375"	Flat Top, Skirt Coated	07-14 Twin Cam 96"	162354	339,99	162414	43.99	162987	18.19	162995	2.09
Big Twin	07-16	K1758	4.125"\STD	10.5:1	117"	4.375"	Reverse Dome, Skirt Coated	07-14 Twin Cam 96"	162377	359.99			162987	18.19	162995	2.09
Big Twin	07-16	K2782	4.125"\STD	10.5:1	117"	4.375"	Inverted Dome -5.0cc	07-14 Twin Cam 96"	162504	359.99			102507	10115	162995	2.09
Big Twin	99-14	K2780	4	10:1	97"	4.000"	Positive Dome +6.5cc	O7 11 Will Call 30	162398	390.00					162995	2.09
Big Twin	99-14	40147PS	4	10:1	97"	4.000"	Positive Dome +6.5cc		1623947						162995	2.09
Big Twin	99-14	K2781	4	10:1	106"	4.375"	Flat Top -2.5cc		162395	390.00					162995	2.09
Big Twin	99-14	40149PS	4	10:1	106"	4.375"	Flat Top -2.5cc		1623977						162995	2.09
Big Twin	99-06	VT2719	3.875"\STD	9:1	95"	4.000"	Flat Top, Complete rebuild kit -	07.447 : 6 . 06#	484444		4404404		44000			
Big Twin	99-06	VT2720	3.880"\.005	9:1	95"	4.000"	includes gaskets Flat Top, Complete rebuild kit -	07-14 Twin Cam 96"	16144112	516.99	1624101	2 36.69	1629871	4 18.19	162995	2 2.09
Big Twin	99-06	VT2721	3.885"\.010	9:1	95"	4.000"	includes gaskets	07-14 Twin Cam 96" 07-14 Twin Cam 96"	162343 ¹² 162353 ¹²		1624111	26.60	162987 ¹² 162987 ¹²		162995°	
Big Twin	99-06	VT2721	3.875"\STD	10.5:1	95"	4.000"	Domed, Skirt Coated		102333	310.33	102411"	30.03	102307	10.13	102333	2.03
DIY IWIII	33-00	V12/U3	3.013 (310	10.3.1	33	4,000	Complete rebuild k		16227612	516.99	162410 ¹²	2 36.69	1629871	2 18.19	162995	2 2.09
Big Twin	99-06	VT2711	3.875"\.010	10.5:1	95"	4.000"	Domed, Skirt Coated, Complete rebuild k	it -								
Big Twin	99-06	VT2712	3.875"\.020	10.5:1	95"	4.000"	includes gaskets Domed, Skirt Coated,		16201312	516.99	16241117	2 36.69	1629871	2 18.19	162995	2.09
							Complete rebuild k includes gaskets	it - 07-14 Twin Cam 96"	162014 ¹²	516.99	16335112	2 36.70	1629871	2 18.19	162995	2 2.09

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¹ Special order 2 Fits S&S® 124 engine using S&S® with 4.625 crank 3 Fits SE 120R engine or standard Twin Cam Harley-Davidson® engine with 4.625 crank and SE 110 in. +head/95cc chamber 4 Shovelhead only

^{5 08-12} must use 1200cc Sportster Cylinders

⁶ Includes head and base gasket 7 Single piston only

^{8 4&}quot; stroke, 88" models 9 4-3/8" stroke crank

^{10 4-5/8&}quot; stroke crank

^{11 4&}quot; stroke crank 12 Exc. 2006 Dyna

	GH-PE	RFORM	MANCE FO	ORGEI	D PR	O LITE	PISTON KIT	continued fron	n previo	us pag	e.				
							Tech		Piston	_	Repl.		Wrist		Retaine
BUELL	Year	Mfg/N	Bore	Comp.	Displ.	Stroke	Notes	Туре	Kit	Retail	Rings	Retail	Pins	Retail	Clips
win	85-99	K1641	3.508"\.010	8.5:1	80"	4.250"	Flat Top	84-99 Evolution	162241	299.99	162942	33.09	162983	18.19	162991
<i>i</i> n	85-99	K1642	3.518"\.020	8.5:1	80"	4.250"	Flat Top	84-99 Evolution	162242	299.99	162964	33.09	162983	18.19	162991
<i>i</i> in	85-99	K1665	3.498"\STD	10:1	80"	4.250"	Domed	84-99 Evolution	162265	319.99	162941	33.09	162983	18.19	162991
win	85-99	K1675	3.503"\.005	10:1	80"	4.250"	Domed	84-99 Evolution	162275	319.99	162396	33.09	162983	18.19	162991
													162983		
Twin	85-99	K1666	3.508"\.010	10:1	80"	4.250"	Domed	84-99 Evolution	162266	319.99	162942	33.09		18.19	162991
Twin	85-99	K1667	3.518"\.020	10:1	80"	4.250"	Domed	84-99 Evolution	162267	319.99	162964	33.09	162983	18.19	162991
Twin Twin	85-99	K1668	3.528"\.030	10:1	80"	4.250"	Domed	84-99 Evolution	162268	319.99	162943	33.09	162983	18.19	162991
Twin	85-99	K1679	3.538"\.040	10:1	80"	4.250"	Domed	84-99 Evolution	162269	319.99	162944	33.09	162983	18.19	162991
Twin	85-99	K1693	3.518"\.020	11:1	80"	4.250"	Domed	84-99 Evolution	162365	311.36	162964	33.09	162983	18.19	162991
								04-33 EVUIUIIOII	102303	311.30	102304	33.03	102303	10.13	102331
vin Cam	99-06	K1758	4.125"\STD	10.5:1	117"	4.375"	Reverse Dome,								
							Skirt Coated	07-14 Twin Cam 96"	1623778	359.99			1629878	18.19	162995
vin Cam	99-16	VT2768	4.25	10.5:1	124"	4.375"	Flat Top (VT gasket ki	t							
							includes head								
							and base only)	07-14 Twin Cam 96"	1620169	520.00	1620049	29.95	1620199	16 99	162995
- C	00.10	V/T2770	4.25	10 F.1	07"	4 COE!!		07-14 IWIII Calli 30	102010	J20.00	102004	23.33	102013	10.33	102333
in Cam	99-16	VT2770	4.25	10.5:1	97"	4.625"	Dished (VT gasket kit								
							includes head								
							and base only)	07-14 Twin Cam 96"	162366 ^{3,}	10550.00	1620041	29.95	16201910	16.99	162995
in Cam	99-16	VT2771	4.25	10.5:1	106"	4.625"	Dished (VT gasket kit								
	33 10	114///	1123	10.5.1	100	1.023	includes head								
								07 14 Toda Com 00"	400000	10 550 00	4000044	30.05	4030404	46.00	46300=
		1 /800 5	105	40 = :	442"	4 *** "	and base only)	07-14 Twin Cam 96"	162388²,	·~220.00	1620041	29.95	16201910	10.99	162995
vin Cam	99-13	VT2769	4.25	10.5:1	113"	4.000"	Dome (VT gasket kit								
							includes head								
							and base only)	07-14 Twin Cam 96"	16201511	440 95	1620041	1 29 95	16201911	16 99	162995
avalhaad	70.04	V1612	2 /07"\CTD	7.1	00"	4 2EO"									
novelhead	78-84	K1613	3.497"\STD	7:1	80"	4.250"	Domed	78-84 Shovelhead	162213	299.99	162941	33.09	162985	18.19	162991
novelhead	78-84	K1615	3.517"\.020	7:1	80"	4.250"	Domed	78-84 Shovelhead	162215	299.99	162964	33.09	162985	18.19	162991
hovelhead	78-84	K1624	3.497"\STD	9.5:1	80"	4.250"	Domed	78-84 Shovelhead	162223	299.99	162941	33.09	162985	18.19	162991
novelhead	78-84	K1624	3.507"\.010	9.5:1	80"	4.250"	Domed	78-84 Shovelhead	162224	299.99	162942	33.09	162985	18.19	162991
ovelhead	78-84	K1625	3.517"\.020	9.5:1	80"	4.250"	Domed	78-84 Shovelhead	162225	299.99	162964	33.09	162985	18.19	162991
novelhead	66-77	K1606	3.447"\.010	9:1	74"	3.968"	Domed	78-84 Shovelhead	162206	269.99	162940	33.09	162977	18.50	162991
novelhead	66-77	K1607	3.457"\.020	9:1	74"	3.968"	Domed	78-84 Shovelhead	162207	269.99	162952	33.09	162977	18.50	162991
ovelhead	66-77	K1608	3.467"\.030	9:1	74"	3.968"	Domed	78-84 Shovelhead	162208	269.99	162408	33.09	162977	18.50	162991
ovelhead	66-77	K1609	3.477"\.040	9:1	74"	3.968"		78-84 Shovelhead	162209	269.99	162953	33.09	162977	18.50	162991
							Domed								
hovelhead	66-77	K1611	3.497"\.060	9:1	74"	3.968"	Domed	78-84 Shovelhead	1622114		162941	33.09	162977	18.50	162991
anhead	48-65	K1606	3.447"\.010	9:1	74"	3.968"	Domed	78-84 Shovelhead	162206	269.99	162940	33.09	162977	18.50	162991
anhead	48-65	K1607	3.457"\.020	9:1	74"	3.968"	Domed	78-84 Shovelhead	162207	269.99	162952	33.09	162977	18.50	162991
nhead	48-65	K1608	3.467"\.030	9:1	74"	3.968"	Domed	78-84 Shovelhead	162208	269.99	162408	33.09	162977	18.50	162991
			3.477"\.040		74"				162209		162953		162977		162991
nhead	48-65	K1609		9:1		3.968"	Domed	78-84 Shovelhead		269.99		33.09		18.50	
anhead	48-65	K1611	3.497"\.060	9:1	74"	3.968"	Domed	78-84 Shovelhead	1622114		162941	33.09	162977	18.50	162991
ortster 1200	04-16	K1746	3.498"\STD	10.5:1		3.812"	Dome Skirt Coated	Sportster	162371	329.99	162941	33.09	162983	18.19	162991
portster 1200	04-16	K1747	3.508"\.010	10.5:1		3.812"	Dome Skirt Coated	Sportster	162367	329.99	162942	33.09	162983	18.19	162991
	86-16	K1747	3.498"\STD	8.5:188)2 to 120			Sportster	102307	323.33	104374	33.03	102303	10.13	102331
oortster	00-10	N1/25	J.430 \JIU	0.3.1 00	ט נט ועל	U 3.012	Reverse Dome,	Constitution	400000	12340.00	4000444	22200	4.0000000	40.50	400004
							Skirt Coated	Sportster	162338 ^{5,}	·319.99	162941 ¹	33.09	162979 ¹³	18.59	162991
ortster	86-16	K1655	3.498"\STD	9.5:188	33 to 120	03.812"	Reverse Dome,								
							Skirt Coated	Sportster	162255 ^{5,}	13319,99	1629411	33.09	16297913	18.59	162991
ortster	86-16	K1656	3.508"\.010	9.5:188	13 to 120	03 817"	Reverse Dome,								
JOI LOCE	00-10	IV LOOP	71101 000.0	J.J. I 00	1. IO 12U	V J.012		Chartetar	4633565	12 740 00	1630434	2 22 00	46303043	10 50	463004
	00.11	1/4	2 540 11 22	0.5.1.1.1		0.2.0:0"	Skirt Coated	Sportster	162256 ^{5,}	~519.99	1629421	55.09	16297913	10.39	162991
portster	86-16	K1657	3.518"\.020	9.5:188	s3 to 120	U 3.812"	Reverse Dome,								
							Skirt Coated	Sportster	162257 ^{5,}	13319.99	162964 ¹	33.09	162979 ¹³	18.59	162991
oortster	86-16	K1659	3.538"\.040	9.5:188	3 to 120	03.812"	Reverse Dome,								
,	00 10		2.250 110 10	2.0.1 00	120		Skirt Coated	Sportster	1622595,	13 3 1 Q QQ	1629441	3 33 00	16297913	18 50	162991
nortotor 1200	00 02	V1CCO	ט אַחט"ורדה	0.1		2 012"		-							
portster 1200	88-03	K1660	3.498"\STD	9:1		3.812"	Flat Top	Sportster	162260	319.99	162941	33.09	162979	18.59	162991
oortster 1100	86-87	K1660	3.498"\STD	9:1		3.812"	Flat Top	Sportster	162260	319.99	162941	33.09	162979	18.59	162991
portster 1200	88-03	K1661	3.508"\.010	9:1		3.812"	Flat Top	Sportster	162261	319.99	162942	33.09	162979	18.59	162991
portster 1100	86-87	K1661	3.508"\.010	9:1		3.812"	Flat Top	Sportster	162261	319.99	162942	33.09	162979	18.59	162991
								_							
oortster 1200	88-03	K1682	3.498"\STD	10:1		3.812"	Domed	Sportster	162212	319.99	162941	33.09	162979	18.59	162991
ortster 1100	86-87	K1682	3.498"\STD	10:1		3.812"	Domed	Sportster	162212	319.99	162941	33.09	162979	18.59	162991
ortster 1200	88-03	K1685	3.498"\STD	10.5:1		3.812"	Domed	Sportster	162341	319.99	162941	33.09	162979	18.59	162991
ortster 1100	86-87	K1685	3.498"\STD	10.5:1		3.812"	Domed	Sportster	162341	319.99	162941	33.09	162979	18.59	162991
oortster 1200	88-03	K1686	3.508"\.010	10.5:1		3.812"	Domed		1622775		162942	33.09	162979	18.59	162991
								Sportster							
portster 1100	86-87	K1686	3.508"\.010	10.5:1		3.812"	Domed	Sportster	1622775		162942	33.09	162979	18.59	162991
portster 1000	72-85	K1601	3.188"\STD	10:1		3.812"	Domed	Sportster	162200	269.99			162977	18.50	161906
portster 1000	72-85	K1601	3.198"\.010	10:1		3.812"	Domed	Sportster	162201	269.99	162950	33.09	162977	18.50	161906
portster 1000	72-85	K1602	3.208"\.020	10:1		3.812"	Domed	Sportster	162202	269.99	162374	33.09	162977	18.50	161906
	72-85	K1603	3.218"\.030	10:1		3.812"	Domed	Sportster	162203	269.99	162938	33.09	162977	18.50	161906
portster 1000															4 5 4 0 0 6
portster 1000 portster 1000	72-85	K1604	3.228'.040	10:1		3.812"	Domed	Sportster	162204	269.99	162389	33.09	162977	18.50	161906
oortster 1000	72-85 97-98	K1604 K1701	3.228′.040 3.508″\.010	10:1 10:1		3.812" 3.812"	Domed Domed	Sportster Buell	162204 162344	269.99 319.99	162389	33.09	162977	18.50	162991

Special order
 Fits \$&S® 124 engine using \$&S® with 4.625 crank
 Fits \$E 120R engine or standard Twin Cam Harley-Davidson® engine with 4.625 crank and \$E 110 in. +head/95cc chamber
 Shovelhead only

^{5 08-12} must use 1200cc Sportster Cylinders
6 Includes head and base gasket
7 Single piston only
8 4" stroke, 88" models
9 4-3/8" stroke crank

^{10 4-5/8&}quot; stroke crank 11 4" stroke crank 12 Exc. 2006 Dyna





WISECO®

REPLACEMENT RINGS FOR V-TWIN

• Fits 85-99 Big Twin 3.503 in./+.005 in. over piston

• Standard bore is 3.498 in.

P/N Retail 162956 33.09



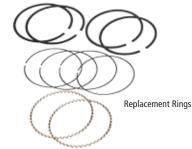
S&S® FORGED PISTON SETS

• Piston kits include set of pistons, rings, wrist-pins and clips

All are flat top piston type, unless noted

Made in USA





			Compression Ratio		S (Piston		Repl.	
HARLEY-DAVIDSON	Year	Bore	with Stock Heads	Stroke	Tech Notes	Туре	Set	Retail	Rings	Retail
Twin Cam	99-06	3-7/8"/Std	10.2:1	4-1/2"		106" Twin Cam	498546	387.95	483931	39.95
Twin Cam	99-06	3-7/8"/+.010"	10.2:1	4-1/2"		106" Twin Cam	498287	387.95	483932	39.95
Twin Cam	99-06	3-7/8"/STD	3-7/8"/STD	4"		95" Twin Cam	496584	387.95		
Evolution Big Twin	84-99	3-5/8"/+.010"	10.2:1	4-5/8"	Fits stock style heads	96" Evolution	483935	314.95	499652	33.95
Evolution Big Twin	84-99	3-5/8"/+.020"	10.2:1	4-5/8"	Fits stock style heads	96" Evolution	483936	314.95	499655	33.95
Evolution Big Twin	84-99	3-5/8"/+.010"	10.2:1	4-5/8"	Fits S&SSuper Stock Heads	96" Evolution	499536	358.95	499652	33.95
Evolution Big Twin	84-99	3-5/8"/+.020"	10.2:1	4-5/8"	Fits S&SSuper Stock Heads	96" Evolution	499537	358.95	499655	33.95
Evolution Big Twin	84-99	3-1/2"/Std	9.25:1	4-5/8"	Fits stock or S&Sperformance heads	89" Stroker Evolution	498526	304.95	498448	35.95
Evolution Big Twin	84-99	3-1/2"/+.010"	9.25:1	4-5/8"	Fits stock or S&Sperformance heads	89" Stroker Evolution	498819	304.95	483933	35.95
Evolution Big Twin	84-99	3-1/2"/+.020"	9.25:1	4-5/8"	Fits stock or S&Sperformance heads	89" Stroker Evolution	498823	304.95	483934	35.95
Evolution Big Twin	84-99	3-1/2"/+.010"		4-1/4"	Fits S&SSuper Stock Heads	80" Super Stock Heads	499528	336.95	483933	35.95
Evolution Big Twin	84-99	3-1/2"/+.020"		4-1/4"	Fits S&SSuper Stock Heads	80" Super Stock Heads	499529	336.95	483934	35.95

S&S® FORGED PISTON SETS FOR S&S ENGINES

• Piston kits include set of pistons, rings, wrist-pins and clips

• All are flat top piston type, unless noted

Made in USA

		Compression Ratio				
Application	Bore	with Stock Heads	Stroke	Туре	P/N	Retail
For use with S&S 4-1/8"						
Bore Engines	4-1/8 in./+.010 in.	Pistons 10.3:1	4-5/8 in.	Pistons	483926	387.95
For use with S&S 4-1/8"						
Bore Engines	4-1/8 in./+.020 in.	Pistons 10.3:1	4-3/8 in.	Pistons	483927	387.95
For use with S&S 4-1/8"						
Bore Engines	4-1/8 in./+.020 in.	Pistons 11.4:1	4-5/8 in.	Pistons	483925	387.95
96" Evolution	4 in./+.010 in.	Pistons	4-1/2 in.	Pistons	498403	336.95
96" Evolution	4 in./+.020 in.	Pistons	4-1/2 in.	Pistons	498404	336.95
89" Stroker Evolution	4 in./+.020 in.	Pistons	4-1/4 in.	Pistons	498289	336.95
107" Piston Kit	3-7/8 in./STD	Pistons10.2:1	4-5/8 in.	Pistons	498546	387.95
For use with S&S 4-1/8"						
Bore Engines	4-1/8 in./+.010 in.	Piston Rings10.3:1	4-3/8 in.	Piston Rings	483928	42.95
For use with S&S 4-1/8"						
Bore Engines	4-1/8 in./+.020 in.	Piston Rings10.3:1	4-3/8 in.	Piston Rings	483929	42.95
For use with S&S 4"						
Bore Engines	4 in./+.020 in.	Piston Rings	4-1/4 in.	Piston Rings	483930	33.95
113" Piston Ki	4 in./+.010 in.	Piston Rings	4-5/8 in.	Piston Rings	496721	33.95
For use with Twin Cam (99-06)	3-7/8 in./STD	Piston Rings10.2:1	4-1/2 in.	Piston Rings	483931	39.95
89" Stroker Evolution	4 in./+.010 in.	Pistons	4-1/4 in.	Pistons	498288	336.95



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EXHAUST

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S&S® FORGED STROKER PISTON SET

S&S introduces a new forged stock bore stroker piston, which replaces several cast

and forged piston series that \$&\$ previously offered.
The new piston can be used in 84 in., 4 1/2 in. stroke, 86 in., 4 5/8 in. stroke, and 88 in., 4 3/4 in. stroke, stock bore stroker engines with stock diameter flywheels

- The modern alloys used in these pistons, coupled with the advanced skirt profiles, result in low engine noise and long engine life that could only be achieved with cast pistons in the past
- S&S will fit these pistons to your existing cylinders when purchasing new cylinders, pistons can be fit to them as an option
- Made in USA

P/N Retail 496211 304.95

S&S® FLATHEAD POWER FORGED 3-5/8" BORE PISTONS

Flathead Power® Forged 3-5/8 in. bore stroker pistons replace several cast and forged big bore pistons that S&Š® previously offered. Applications for this piston include 88 in., 4-1/4 in. stroke, 93 in., 4-1/2 in. stroke, and 96 in., 4-5/8 in. stroke, engines with stock 8-1/2 in. diameter flywheels and 98 in., 4-3/4 in. stroke, and 103 in., 5 in. stroke, engines with 8-1/4 in. small diameter flywheels. As with the new stock bore stroker piston, the modern metallurgy and advanced skirt profiles allow a relatively close piston fit for low engine noise and long engine life.

• Forged pistons for superior strength

- Modern alloys and piston skirt profiles for low noise and long engine life
- Dome volume 30cc
- Kit includes two pistons with wrist pins and keepers, piston rings and instructions
- Wrist pin deck height: 1.260 in.
- Fits 36-84 OHV Big Twin 88, 93, 96, 98 and 103 in.

36-84

36-84

· Made in USA



+.030'

+.060'

Replacement Ring **HARLEY-DAVIDSON** Year Size P/N Retail 483945 36-84 STD 3-5/8' 33.95 FL 36-84 +.010'483946 33.95 FL 36-84 +.020'483947 33.95 FL 36-84 +.030'483948 33.95

S&S® RINGS CHROME MOLY 4" BORE STD

- Replacement piston rings for S&S 4 in. bore 100, 107 and 113 in. motors
- Include enough rings for two pistons
- Made in USA



FL





498818

496213

304.95

304.95

S&S® WRIST PIN KEEPER

- C-Clip Wrist Pin Keeper
- Fits .791 and .792 in. wrist pins
- For Evolution and Shovel/Pan style pistons

Description	P/N	Retail
4 Pack	484058	2.95
Each	484059	1.00





NEW!

VANCE & HINES PISTON KIT

- Forged 2618 aluminum
- Moly-coated piston skirts
- High-strength, light weight chromoly wrist pin
- Phosphate coating to reduce micro-welding and pin galling
- Forced pin oiling preventing scuffing at start up
- Precision-machined ring grooves preventing ring flutter and positive ring seal
- Includes two pistons, wristpins, ring set, pin locks

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	05-16	VH7098	349.99
FXST, FLST	05-16	VH7098	349.99
FXD	05-16	VH7098	349.99

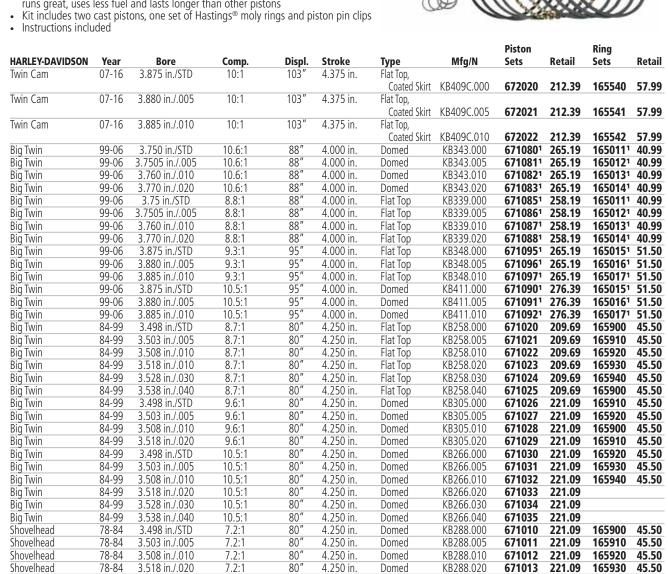


484059



KB CAST PISTON SETS

- High-quality premium performance pistons are a special hypereutectic T5 aluminum alloy
- This alloy makes it possible to build a lightweight piston that makes more power, runs great, uses less fuel and lasts longer than other pistons



Shovelhead

Shovelhead

Shovelhead

Shovelhead

Shovelhead

Shovelhead

Shovelhead

Shovelhead

Shovelhead

Panhead

Panhead

78-84

78-84

78-84

78-84

78-84

78-84

78-84

78-84

48-65

66-84

48-65

3.528 in./.030

3.538 in./.040

3.498 in./STD

3.503 in./.005

3.508 in./.010

3.518 in./.020

3.528 in./.030

3.538 in./.040

3.625 in./STD

3.625 in./STD

3.635 in./.010

7.2:1

7.2:1

8.3:1

8.3:1

8.3:1

8.3:1

8.3:1

8.3:1

8.5:1w/4.250

9.38:1w/4.750"

8.5:1w/4.250", 9.38:1w/4.750"

8.5:1w/4.250", 9.38:1w/4.750" 80'

80'

80'

80

80

80'

80'

80'

88"-98"

88"-98"

4.250 in.

4.250-4.750

4.250-4.750

88"-98" 4.250-4.750 Domed

KB288.030

KB288.040

KB297.000

KB297.005

KB297.010

KB297.020

KB297.030

KB297.040

KB294.000

KB294.000

KB294.010

671014

671015

671061

671062

671063

671064

671065

671066

671067

671067

671069

221.09

221.09

221.09

221.09

221.09

221.09

221.09

221.09

265.19

265.19

265.19

165940

165900

165910

165920

165930

165940

165001

165001

165003

165003

165004

45.50

45.50

45.50

45.50

45.50

45.50

22.99

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22.99

22.99

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KB CAST PISTON SETS continued from previous page.

HARLEY-DAVIDSON	Year	Bore	Comp.	Displ.	Stroke	Туре	Mfg/N	Piston Sets	Retail	Ring Sets	Retail
Shovelhead	66-84	3.635 in./.010	8.5:1w/4.250", 9.38:1w/4.750"	88"-98"	4.250-4.750	Domed	KB294.010	671069	265.19	165004	22.99
Panhead	48-65	3.645 in./.020	8.5:1w/4.250", 9.38:1w/4.750"	88"-98"	4.250-4.750	Domed	KB294.020	671070	265.19	165005	22.99
Shovelhead	66-84	3.645 in./.020	8.5:1w/4.250", 9.38:1w/4.750"	88"-98"	4.250-4.750	Domed	KB294.020	671070	265.19	165005	22.99
Panhead	48-65	3.655 in./.030	8.5:1w/4.250", 9.38:1w/4.750"	88"-98"	4.250-4.750	Domed	KB294.030	671071	265.19	165006	22.99
Shovelhead	66-84	3.655 in./.030	8.5:1w/4.250", 9.38:1w/4.750"	88"-98"	4.250-4.750	Domed	KB294.030	671071	265.19	165006	22.99
Panhead	48-65	3.665 in./.040	8.5:1w/4.250", 9.38:1w/4.750"	88"-98"	4.250-4.750	Domed	KB294.030 KB294.040	671072	265.19	165700	43.99
Shovelhead	66-84	3.665 in./.040	8.5:1w/4.250", 9.38:1w/4.750"	88"-98"	4.250-4.750	Domed	KB294.040	671072	265.19	165700	43.99
Knucklehead	41-47	3.438 in./STD	7.8:1	74"	3.969 in.	Domed	KB294.040 KB263.000	671000	215.39	165700	43.99
Panhead	48-65	3.438 in./STD	7.8:1	74"	3.969 in.	Domed	KB263.000	671000	215.39	165710	43.99
Shovelhead	66-79	3.438 in./STD	7.8:1	74"	3.969 in.	Domed	KB263.000	671000	215.39	165710	43.99
Knucklehead	41-47	3.443 in./.005	7.8:1	74"	3.969 in.	Domed	KB263.005	671001	215.39	165710	43.99
Panhead	48-65	3.443 in./.005	7.8:1	74"	3.969 in.	Domed	KB263.005	671001	215.39	165730	43.99
Shovelhead	66-79	3.443 in./.005	7.8:1	74"	3.969 in.	Domed	KB263.005	671001	215.39	165730	43.99
Knucklehead	41-47	3.448 in./.010	7.8:1	74"	3.969 in.	Domed	KB263.010	671002	215.39	165730	43.99
Panhead	48-65	3.448 in./.010	7.8:1	74"	3.969 in.	Domed	KB263.010	671002	215.39	165740	43.99
Shovelhead	66-79	3.448 in./.010	7.8:1	74"	3.969 in.	Domed	KB263.010	671002	215.39	165740	43.99
Knucklehead	41-47	3.458 in./.020	7.8:1	74"	3.969 in.	Domed	KB263.020	671003	215.39	165740	43.99
Panhead	48-65	3.458 in./.020	7.8:1	74"	3.969 in.	Domed	KB263.020	671003	215.39	165750	43.99
Shovelhead	66-79	3.458 in./.020	7.8:1	74"	3.969 in.	Domed	KB263.020	671003	215.39	165750	43.99
Knucklehead	41-47	3.468 in./.030	7.8:1	74"	3.969 in.	Domed	KB263.030	671004	215.39	165750	43.99
Panhead	48-65	3.468 in./.030	7.8:1	74"	3.969 in.	Domed	KB263.030	671004	215.39	165760	43.99
Shovelhead	66-79	3.468 in./.030	7.8:1	74"	3.969 in.	Domed	KB263.030	671004	215.39	165760	43.99
Knucklehead	41-47	3.478 in./.040	7.8:1	74"	3.969 in.	Domed	KB263.040	671005	215.39	165760	43.99
Panhead	48-65	3.478 in./.040	7.8:1	74"	3.969 in.	Domed	KB263.040	671005	215.39	165900	45.50
Shovelhead	66-79	3.478 in./.040	7.8:1	74"	3.969 in.	Domed	KB263.040	671005	215.39	165900	45.50
Knucklehead	41-47	3.488 in./.050	7.8:1	74"	3.969 in.	Domed	KB263.050	671005	215.39	165900	45.50
Panhead	48-65	3.488 in./.050	7.8:1	74"	3.969 in.	Domed	KB263.050	671006	215.39	165910	45.50
Shovelhead	66-79	3.488 in./.050	7.8:1	74"	3.969 in.	Domed	KB263.050	671006	215.39	165910	45.50
Knucklehead	41-47	3.498 in./.060	7.8:1	74"	3.969 in.	Domed	KB263.060	671007	215.39	165910	45.50
Panhead	48-65	3.498 in./.060	7.8:1	74"	3.969 in.	Domed	KB263.060	671007	215.39	165920	45.50
Shovelhead	66-79	3.498 in./.060	7.8:1	74"	3.969 in.	Domed	KB263.060	671007	215.39	103320	73.30
Knucklehead	1941	3.508 in./.070	7.8:1	74"	3.969 in.	Domed	KB263.070	671007	215.39	165920	45.50
Panhead	48-65	3.508 in./.070	7.8:1	74"	3.969 in.	Domed	KB263.070	671008	215.39	165920	45.50
Shovelhead	66-79	3.508 in./.070	7.8:1	74"	3.969 in.	Domed	KB263.070	671008	215.39	103320	43.30
				74"					215.39		
Knucklehead Panhead	41-47	3.518 in./.080	7.8:1		3.969 in.	Domed	KB263.080	671009			
	48-65	3.518 in./.080	7.8:1	74" 74"	3.969 in.	Domed	KB263.080	671009	215.39		
Shovelhead Sportster 883	66-79 86-08	3.518 in./.080	7.8:1	/4	3.969 in.	Domed Flot Top	KB263.080 KB408.000	671009	215.39	165200	32.99
		3.0 in. /STD	9:1		3.812 in.	Flat Top		671046	196.69		
Sportster 883	86-08	3.010 in./.010	9:1		3.812 in.	Flat Top	KB408.010	671048	196.69	165205	32.99
Sportster 1200	88-03	3.498 in./STD	9:1		3.812 in.	Flat Top	KB264.000	671040	203.89	165900	45.50
Sportster 1100	86-87	3.498 in./STD	9:1		3.812 in.	Flat Top	KB264.000	671040	203.89	165900	45.50
Sportster 1200	88-03	3.503 in./.005	9:1		3.812 in.	Flat Top	KB264.005	671041	203.89	165910	45.50
Sportster 1100	86-87	3.503 in./.005	9:1		3.812 in.	Flat Top	KB264.005	671041	203.89	165910	45.50
Sportster 1200	88-03	3.508 in./.010	9:1		3.812 in.	Flat Top	KB264.010	671042	203.89	165920	45.50
Sportster 1100	86-87	3.508 in./.010	9:1		3.812 in.	Flat Top	KB264.010	671042	203.89	165920	45.50
Sportster 1200	88-03	3.518 in./.020	9:1		3.812 in.	Flat Top	KB264.020	671043	203.89	165930	45.50
Sportster 1100	86-87	3.518 in./.020	9:1		3.812 in.	Flat Top	KB264.020	671043	203.89	165930	45.50
Sportster 1200	88-03	3.528 in./.030	9:1		3.812 in.	Flat Top	KB264.030	671044	203.89	165940	45.50
Sportster 1100	86-87	3.528 in./.030	9:1		3.812 in.	Flat Top	KB264.030	671044	203.89	165940	45.50
Sportster 1200	88-03	3.538 in./.040	9:1		3.812 in.	Flat Top	KB264.040	671045	203.89		
Sportster 1100	86-87	3.538 in./.040	9:1		3.812 in.	Flat Top	KB264.040	671045	203.89		
Sportster	86-16	3.498 in./STD			3.812 in.	Dish Top	KB272.000	671050 ²		165900 ²	
Sportster	86-16	3.503 in./.005			3.812 in.	Dish Top	KB272.005	671051 ²		165910 ²	
Sportster	86-16	3.508 in./.010			3.812 in.	Dish Top	KB272.010	671052 ²		165920 ²	
Sportster	86-16	3.518 in./.020			3.812 in.	Dish Top	KB272.020	671053 ²	221.09	165930 ²	45.50
Sportster	86-16	3.528 in./.030			3.812 in.	Dish Top	KB272.030	671054 ²		165940 ²	45.50
Sportster	86-16	3.538 in./.040			3.812 in.	Dish Top	KB272.040	671055 ²			
1 Exc. 2006 Dyna 2 1200 Conversion											

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² 1200 Conversion





NEW!

499104

FEULING® CYLINDER STUD AND HEAD BOLT KITS

The strongest studs and bolts available! Top engine builders demand quality fasteners! Secure your engine with complete confidence. Superior in strength and performance to any other cylinder stud head bolt kit on the market, this kit is designed to exceed the needs of high performance engines. Dont Risk Head Gasket Failure!

- Stock Cylinder studs are designed as a stretch to torque stud with a one time use only lifespan
- Feuling® studs are installed to a torque spec can be reused and carry a lifetime warranty
- Heat-treated 8740 chrome moly steel studs
- Precision j-form threads for optimum engagement, to prevent galling and promote more consistent torque loading.
- Special alloyed stainless steel head bolts
 Manufactured by ARP® to Feulings® exact specifications
 Recommended for all V-Twin engines
- Stock replacement
- Made in USA

Includes:

8x cylinder studs 8x head bolts

Moly assembly lubricant

Thread sealant



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-16	499104	349.95
FLH	85-98	499105	349.95
FXST, FLST	00-16	499104	349.95
FXST	85-99	499105	349.95
FLST	86-99	499105	349.95
FXD	99-16	499104	349.95
FXD	91-98	499105	349.95
FXR	85-94	499105	349.95





- · Chrome-moly steel
- Made in USÁ
- · Sold in sets of eight



499293

HARLEY-DAVIDSON	Year	P/N	Retail
HAKLE Y-DAVIDSON	rear	P/N	Ketaii
FLH	99-16	499304	104.29
FLH	85-98	499293	104.29
FXST, FLST	00-16	499304	104.29
FXST, FLST	84-99	499293	104.29
FXD	99-16	499304	104.29
FXD	91-98	499293	104.29
FLST	86-99	499293	104.29
FXR	84-94	499293	104.29



S&S® CYLINDER BASE STUDS

- Made of 4140 steel
- Sold in packs of eight

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-16	493880	42.95
FLH	85-98	493786	33.95
FXST, FLST	00-16	493880	42.95
FXST, FLST	84-99	493786	33.95
FXD	99-16	493880	42.95
FXD	91-98	493786	33.95
FLST	86-99	493786	33.95
FXR	84-94	493786	33.95
FXR	82-83	493881	33.95
EL, FL, FLH	30-84	493881	33.95
FX	71-84	493881	33.95
XL	86-03	493882	39.95



FEULING® CYLINDER STUD KIT

These strong studs are superior to any other cylinder stud bolt kit on the market and were designed to exceed the needs of high-performance engines. Kits feature heat-treated, moly-steel studs with precision J-form

- Recommended for all Big Twin engines as a stock replacement
- Includes 8 cylinder studs and assembly lubricant
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-16	488129	129.95
FLH	84-98	496832	119.95
FXST, FLST	00-16	488129	129.95
FXD	99-16	488129	129.95
FXD	91-98	496832	119.95
FXST	86-99	496832	119.95
FLST	84-99	496832	119.95
FXR	84-94	496832	119.95

KIBBLEWHITE® CYLINDER DOWELS FOR V-TWIN

- Made in USA
- Sold in sets of four



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-16	442222	13.89
FLH	85-98	442237	13.89
FXST, FLST	00-16	442222	13.89
FXST, FLST	84-99	442237	13.89
FXD	99-16	442222	13.89
FXD	91-98	442237	13.89
FLST	86-99	442237	13.89
FXR	84-94	442237	13.89
XL	86-16	442237	13.89

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044250

COLONY CYLINDER BASE HARDWARE CHROME NUT KIT

O.E.M.-style reproductions

Hexed Chrome			043971		
HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail	
FL, FX	78-84	16838-78	0443281	18.99	
FX	72-78	16602-30	044209	20.99	
FL	30-77	16602-30	044209	20.99	
K, XL	52-85	7804	044210	17.99	

Hexed CAD				
HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FL, FX	78-84	16838-78	0444281	14.99
FL	30-77	16602-30	043971	13.99
K, XL	52-85	7804	043972	11.99

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FL	30-77	16602-30	044493	13.99
K, XL	52-85	7804	044494	11.99

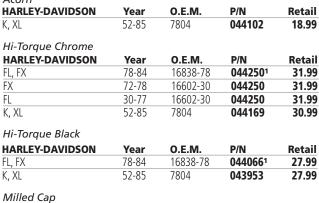
Year

52-85

O.E.M.

7804

Acorn



O.E.M.

16838-78

Year

78-84

044493



P/N

044429

Retail

14.99

COLONY CYLINDER BASE CUSTOM HARDWARE KITS FOR V-TWIN

 Acorn SA

HARLEY-DAVIDSON

K, XL

1 with flange

•	Made	in	US

HARLEY-DAVIDSON	Year	P/N	Retail
FL	78-84	044187	28.99
FL	30-77	044101	20.99
FX	79-84	044187	28.99
FX	72-78	044101	20.99



S&S® STAINLESS STEEL BASE NUTS

Requires .375 in.-.400 in. stud engagement, stud height may need to be adjusted.

- 7/16 in. Hex allows the use of box end wrench to tighten base nuts on S&S® Sidewinder cylinders
- Fits Shovelhead engines

 Sold in packs of eight P/N Retail 496609 64.95



HARLEY-DAVIDSON

FL, FX



BIKER'S + CHOICE

P/N

0440621

Retail

27.99

COLONY CYLINDER BASE HARDWARE STUD KIT

Designed specifically for big bore engines, but may be used on any engine. Machined from high-strength steel and heat-treated for durability. Reduced hex size provides ample wrench clearance.

Chrome-plated

emonic placed			
HARLEY-DAVIDSON	Year	P/N	Retail
FLH	85-98	044471	76.99
FLH	78-84	044370	30.99
FXST	84-99	044471	76.99
FLST	86-99	044471	76.99
FXD	91-98	044471	76.99
FXR	84-94	044471	76.99
EL, FL, FLH	30-77	044303	30.99
FX	72-78	044303	30.99
K, XL	54-85	044371	29.99

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496609







Black

S&S® SUPER STOCK 79CC AND 89CC CYLINDER HEADS FOR ENGINES

- High-flow performance heads
- Chamber designed for stock-style, flat-topped pistons
- Port design increases flow, while maintaining velocity
- Set up for .640 maximum lift
- EFI compatible
- Includes compression release machining with plugs
- Available in silver and black wrinkle powder-coated
- 79 cc heads: 1.94 in. intake/1.575 in. exhaust valves
- 89 cc heads: 2 in. intake/1.605 in. exhaust valves
- Made in USA
- Stock rocker covers can be used if S&S® special valve cover gasket P/N 493949 is installed

HARLEY-DAVIDSON	Year	Finish	P/N	Retail
Big Twin	06-16	Silver	493095 ²	1154.95
Big Twin	06-16	Black	493097 ²	1154.95
Big Twin	06-16	Silver	493098 ³	1154.95
Big Twin	06-16	Black	493099 ³	1154.95
Big Twin	99-05	Silver	493401 ²	1154.95
Big Twin	99-05	Black	493416 ²	1154.95
Big Twin	99-05	Black	4897061,2	1154.95
Big Twin	99-05	Silver	493648 ³	1154.95
Big Twin	99-05	Black	493649 ³	1154.95

- 1.585" Lift
- 2 79cc Chamber
- 3 89cc Chamber



REPLACEMENT CYLINDER HEADS FOR EVOLUTION BIG TWIN ENGINES

Performance Replacement Cylinder Heads for Evolution Big Twin Engines. Optimized for smaller displacement engines. Chamber designed for stock-style, flat-topped pistons.

- Port design increases flow, while maintaining velocity Set up for .585 maximum lift
- EFI compatible
- Fits 84-99 Evolution Big Twin
- Made in USA
- Available in silver and black wrinkle powder-coated
- 82 cc chamber, 8.8:1 in 80 in. motor, 9:5.1 in 96 in. motor
- 1.90 in. intake/1.75 in. exhaust valves
- Uses stock manifold



HARLEY-DAVIDSON	Year	Finish	P/N	Retail
FLH	85-99	Silver	495232	982.95
FXST	84-99	Silver	495232	982.95
FLST	86-99	Silver	495232	982.95
FXD	91-99	Silver	495232	982.95
FXR	84-94	Silver	495232	982.95
FLH	85-99	Black Powder-coated	495233	1039.95
FXST	84-99	Black Powder-coated	495233	1039.95
FLST	86-99	Black Powder-coated	495233	1039.95
FXD	91-99	Black Powder-coated	495233	1039.95
FXR	84-94	Black Powder-coated	495233	1039.95







COLONY CYLINDER BASE SPACER KIT

Sold as packs of eight

Colony Chrome

HARLÉY-DAVIDSON	Year	O.E.M.	P/N	Retail
FL	78-84	16836-78	044304	23.99
FL	1930-78		0444951	5.99
FX	79-84	16836-78	044304	23.99
FX	71-78		0444951	5.99

Colony Black

Cololly black				
HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FL	78-84		044373	16.99
FX	79-84		044373	16.99

1 Lock washers only



S&S® SUPER STOCK CYLINDER HEADS

High flowing ports and a specially shaped combustion chamber and contoured piston dome are what make these Super Stock™ Cylinder Heads produce power. The increased "squish" area of this design sets up a controlled turbulence in the combustion chamber. That turbulence improves flame travel for a more efficient burn and reduced detonation. Special Super Stock® pistons are required.

- Complete head assembly with valves and S&S® .640 in. lift springs
- Machined with a stock bolt pattern
- Larger, more open combustion chamber presents less resistance to air flow around the valves
- 2.000 in. intake valves and 1.605 in. exhaust valves
- Special "cast shape" intake ports with a special directional fin for improved air flow
- Precision CNC-machined from heat-treated aircraft quality aluminum castings
- Chamber size 76.5 cc
- Fits 84-99 Evolution Big Twin with 3-1/2 or 3-5/8 in. bore
- Made in USA



Natural

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	85-99	498274	982.95
FXST	84-99	498274	982.95
FLST	86-99	498274	982.95
FXD	91-99	498274	982.95
FXR	84-94	498274	982.95
Black			

Віаск			
HARLEY-DAVIDSON	Year	P/N	Retail
FLH	85-99	498279	1039.95
FXST	84-99	498279	1039.95
FLST	86-99	498279	1039.95
FXD	91-99	498279	1039.95
FXR	84-94	498279	1039.95

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S.T.D. CYLINDER HEADS FOR PANHEAD

- American-made performance heads are precision cast at 48,000 lbs. tensile strength and 335 aluminum alloy
- Available assembled with valves or without
- Made in USA
- Sold in sets

With Valves

- P/N 496746 Replica casting, panhead cylinder bolt pattern, single spark plug, outside oiling, 3-1/2 in. bore, O-ring 1-9/16 in. intake, stock exhaust, Hemi, ported intake and exhaust, front and rear head stage 1 spring kit, nitride valve stem 1.940 in. intake 74, 80 CID, 1.750 in. exhaust 74, 80 CID steel top collars
- P/N 496742 Replica casting, panhead cylinder bolt pattern, single spark plug, internal oiling, standard bore, O-ring intake, fits stock exhaust pipes, seats installed, assembled front and rear head with nitride Harley® replacement #18082-57 1.750 in. exhaust and
- #18074-66 1.940 in. intake valves; valve spring kit stock to .495 lift P/N 496744 Replica casting, panhead cylinder bolt pattern, single spark plug, internal oiling, standard bore, threaded plummer intake, fits stock exhaust pipes, seats installed, assembled front and rear head with nitride H-D® replacement #18082-57 1.750 in. exhaust and #18074-66 1.940 in. intake valves; valve spring kit stock to .495 lift

HARLEY-DAVIDSON	Year	P/N	Ketaii
FL	63-65	496746	2253.50
FL	55-62	496742	2253.50
EL, FL	1948-54	496744	2253.50





S&S® SHOVELHEAD CYLINDER HEAD KITS

- Kits come complete with guides, seats, valves and .590 in. springs assembled
- Also includes rocker cover gaskets, head and exhaust pipe gaskets, all hardware and instructions
- Made in USA



Engine Type/Year	Bore	Finish	P/N	Retail
O-Ring, Stock	Stock	Silver	495651	1244.95
O-Ring, 3-5/8"	3-5/8 in.	Silver	495652	1244.95
Band, Stock	Stock	Silver	499659	1244.95
Band, 3-5/8"	3-5/8"	Silver	495650	1244.95





KIBBLEWHITE® EXHAUST SPIGOT

KPMI's replacement exhaust spigot has been designed and machined from 6061-T6 aluminum extruded tubing.

This spigot allows you to rebuild the exhaust attachment point on your classic Panhead engine

P/N	Retail
112369	12 15



COLONY PANHEAD COMPONENTS INTAKE MANIFOLD NIPPLES AND NUTS FOR V-TWIN

- High-quality studs with interference threads are duplicate of O.E.M. #17647-48
- Package of eight studs cover one cylinder head
- Parkerized
- Made in USA



Application	Description	P/N	Retail
40-54 OHV 74	O-ring Conversion Nipple Kit	044003	37.99
40-54 OHV 74, 53-56 K, KH	Intake Manifold Threaded Steel Nipple	044007	21.99
40-54 OHV 74, 61, 53-56 K, KH	Intake Manifold Nut	044005	36.99
40-54 OHV 74, 61, 53-56 K, KH	Intake Manifold Seal	044009	15.99
48-65 Panhead cad-plated (8 pc.) H-D# 7727	Rocker Arm Nut Kit	044011 ¹	16.99



1 Flexloc nuts are exact O.E.M. duplicates

988



S&S® HEAD BOLTS

- Includes bolts and washers
- Stock heads require two short and two long head bolts

Short Bolt with Washer

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	99-16	493883	12.75
Big Twin	91-99	493886	12.75
Big Twin	85-90	493885	8.30
XL	91-03	493886	12.75
XL	86-90	493885	8.30

Long Bolt with Washer

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	99-16	493884	13.45
Big Twin	91-99	493884	13.45
Big Twin	85-90	493884	13.45
XL	91-03	493884	13.45
XL	86-90	493884	13.45

Head Bolt Assembly

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	85-16	484056	13.45

Year	P/N	Retail
99-16	4938881	99.95
99-16	498413	99.95
91-99	493888	99.95
85-90	493887	69.95
91-16	493888	99.95
86-90	493887	69.95
48-84	483953 ³	79.95
	99-16 99-16 91-99 85-90 91-16 86-90	99-16 493888 ¹ 99-16 498413 91-99 493888 85-90 493887 91-16 493888 86-90 493887

- 1 With stock heads 2 With S&S® heads
- 3 3-5/8" Bore, 12 Pt.



COLONY HEAD BOLT WASHERS FOR V-TWIN

• Exact duplicate of O.E.M.

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	85-91	16482-85	044337	33.99
FXST	84-91	16482-85	044337	33.99
FLST	86-91	16482-85	044337	33.99
FXD	1991	16482-85	044337	33.99
FXR	84-91	16482-85	044337	33.99
XL	86-91	16482-85	044337	33.99





044097

COLONY HEAD BOLT KITS

Washers Only Parkerized

HARLEY-DAVIDSON

Big Twin

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	92-16	044336	84.99
Big Twin	L85-91	044335	84.99
Big Twin	48-83	044076	53.99
XL	93-16	044336	84.99
XL	86-92	044335	84.99
XL	73-85	044441	51.99
12 Point CAD			
HARLEY-DAVIDSON	Year	P/N	Retail
XL	73-85	044442	43.99
Allen			
HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	48-83	044097	55.99
XL	73-85	044532	47.99
XL	57-72	044531	44.99
Acorn			
HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	48-83	044127	63.99
Cap Style			
HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	L85-91	044396	24.99
Hexed Chrome			
HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	48-83	043999	73.99
XL	57-72	044394	59.99
Hexed CAD			
HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	48-83	043963	36.99
XL	57-72	044395	49.99
Washers Only CAD			
HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	39-84	043992	5.99

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044522

Year

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Retail

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#FEULING

NEW!

FEULING® HEAD BOLT KIT

The top engine builders demand quality fasteners! These are the strongest studs and bolts available and you can secure your engine with complete confidence.

• Superior in strength and performance to any other cylinder stud head bolt kit on the market, this kit is designed to exceed the needs of high performance engines

Don't risk head gasket failure Stock Cylinder studs are designed as a

stretch to torque stud with a one time use only lifespan

 Feuling® studs are installed to a torque spec can be reused and carry a lifetime warranty

Heat-treated 8740 chrome moly steel studs

Precision j-form threads for optimum engagement, to prevent galling and promote more consistent torque loading

Special alloyed stainless steel head bolts

Manufactured by ARP® to Feulings® exact specifications

Recommended for all V-Twin engines

- Stock replacement
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	85-16	488130	239.95
FXST	84-16	488130	239.95
FLST	86-16	488130	239.95
FXD	91-16	488130	239.95
FXR	84-94	488130	239.95
XL	92-10	488130	239.95

For S&S Engines

P/N	Retail
488131	239.95



S&S® ROCKER COVER WRENCH SET

Allows access to areas where standard wrenches don't work.

- High-quality, forged steel
- Four most commonly used sizes

Retail

94.95

- Compatible with 5/8 in. socket or wrench
- Made in USA

P/N

499686





S&S® 2-PIECE SOCKET KIT

Allows in-frame installation of S&S® compression releases and protects wiring from damage during installation.

P/N	Retail
199523	88 95

Gardner-Westcott Company



HEAD BOLT KITS

Direct replacements for O.E.M. head bolts. Made in USA



12-Point Style

HARLEY-DAVIDSON	Year	P/N	Retail
XL, Big Twin	92-16	041730	121.95
Big Twin	86-91	041520	127.95
Big Twin	66-84	0442631	85.95
Panhead	1948-65	044263	85.95
Sportster	87-91	041520	127.95
XL	87-91	041520	127.95

Hex Bolt-Style

Washers included

HARLEY-DAVIDSON	Year	P/N	Retail
Shovelhead	66-84	041601	35.95
Panhead	48-65	041601	35.95

Washers Only

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Evolution Big Twin	L85-91	16482-85	041415	9.95

¹ With big bore cylinder



COMPRESSION RELEASE VALVE KITS

Give your starter a hand by installing these in your high-compression, big-inch motor. These need to be installed by an experienced mechanic/

- Can be installed in all Big Twin, XL and Buell motors
- Fits dual-plug heads or heads that have been machined for dual plugs
- Requires a $10mm \times 1.0mm$ drilled and tapped hole in your cylinder head for use
- Made in USA
- Sold in pairs



P/N	Retail
461368	113.95



S&S® COMPRESSION RELEASE

Designed to be used in S&S® cylinder heads for Twin Cam, 4 in. bore Evolution Big Twin, and Super Sidewinder Plus style S&S® engines.

- Consists of a small valve that opens during starting and allows a portion of the cylinder pressure to escape into the exhaust port of the cylinder head
- Réduced cylinder pressure makes it easier for the starter to turn the engine
- When the engine starts, the valve closes and the engine runs normally, with full compression

Electric Compression Releases:

- Electric compression releases are solenoid operated
- They automatically open when the starter button is depressed and automatically close when the starter button is released
- When installed on SSW+ or Twin Cam style S&S® engines, S&S® electric compression releases require the use of S&S® die-cast Twin Cam style rocker covers or similar covers with a central hole or "chimney"
- The "chimneys" in the rocker covers are required to provide clearance for the solenoids that operate the compression releases
- Electric compression releases are compatible with S&S® rocker boxes for Evolution engines

Manual Compression Releases:

- Manual compression releases are activated by a cable similar to a choke control
- Before starting, the handle is pulled, which opens the compression releases; when the engine fires, the increased cylinder pressure automatically closes the compression releases
- Can be used with any style rocker cover
- · Made in USA



Description	P/N	Retail
Electric Kit	499521	332.95
Plastic Cover	495263	6.65
Rubber Cap Boot	496809	3.75
Hole Plug, 14 mm	493278	9.95
Single Electric Kit	493795	138.95
Manual Compression Release Kit	499522	526.50









BIKER'S CHOICE® COMPRESSION RELEASE FOR V-TWIN

216553

A must for any high-compression motor, stainless steel automatic compression release will make the hardest starting motor streetable.

Heads must be dual plugged

216567

EXCLUSIVE

- Just push the cap in, then start motor
- Once motor starts compression release pops off

Description	P/N	Retail
12 mm Long Reach	216567	223.95
14 mm Long Reach	2165641	223.95
1-7/8 O.A.L., .360 Thread Length 10 mm	216552	52.99
1-7/8 O.A.L., .500 Thread Length 10 mm	216553	52.99
2-3/8 O.A.L., .360 Thread Length 10 mm	216554	66.50
2-3/8 O.A.L., .500 Thread Length 10 mm	216565	66.50
P/Ns 216564 and 216567 are stainless steel.		

KIBBLEWHITE® MANGANESE GUIDE REAMERS FOR V-TWIN

Precision valve guide reamers are specifically designed to size the Manganese guide materials.

- All cutting diameters are +0.0002 in. and include a 1 in. long pilot
- Flute Lengths: 2.625 in.
- Overall lengths: 7.125 in.

Description	P/N	Retail
0.3100 HSS	442365	72.00
0.3110 HSS	442366	72.00
0.3770 HSS	442367	88.29
0.3780 HSS	442368	88.29

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EXHAUST

Intake

+.001

+.002

+.010"

STD (.5620")

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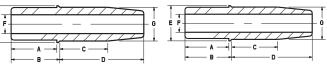
KIBBLEWHITE® MANGANESE BRONZE VALVE GUIDES

Designed with the price conscious builder in mind, Expect the same exacting Kibblewhite® tolerances, but with a reduced toughness/wear-ability when compared to premium C630 Nickel Aluminum Bronze valve guides.

 The softer Manganese guides are easily reamed and then can be delicately finished with our high-quality ball hones

Now, you can ream and hone Manganese valve guides with any battery operated or electric drill in less time and in the absence of expensive honing equipment required to properly size tough Nickel Bronze guides

Twin Cam 88 to 103, 04-16 Sportster



In	take	Exi	naust
Α	0.690"	Α	0.0
В	0.740"	В	0.
C	0.800"	С	1.0
D	1.280"	D	1
E	0.615"	E	0.0
F	0.2750"	F	0.2
G	0.5620"	G	0.5

Retail

11.29

11.29

11.29

11.29

	0.27	30
G	0.56	20"
Exhaust	P/N	Retail
STD (.5620")	442359	11.29
+.001"	442360	11.29
+.002"	442361	11.29
+.010"	442362	11.29

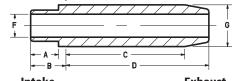
0.690

0.740′ 1.030′

1.280'

0.615"

Evolution, 84-99 Sportster



Intake		
A 0.650"		
В	0.700"	
С	0.800"	
D	1.400"	
E	0.615"	
F	0.3098"	
G	0.5620"	

Intake	P/N	Retail
STD (.5620")	442335	11.29
+.001"	442336	11.29
+.002"	442337	11.29
+.003"	442338	11.29
+.004"	442339	11.29
+.010"	442340	11.29

Exhaust			
Α	0.650"		
В	0.700"		
С	1.150"		
D	1.450"		
E	0.615"		
F	0.3098"		
G	0.5620"		
•	0.3020		

Exhaust	P/N	Retail
STD (.5620")	442341	11.29
+.001"	442342	11.29
+.002"	442343	11.29
+.003"	442344	11.29
+.004"	442345	11.29
+.010"	442346	11.29

KIBBLEWHITE® VALVE GUIDES

P/N

442355

442356

442357

442358

All KPMI® Guide profiles are designed to have a minimal effect on the airstream while maintaining critical cross sectional thickness in high-temperature areas, which promotes high-performance and endurance. Strict attention paid to ID/OD and cylindricity call outs.

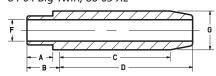
C630 Premium High-Performance Bronze:

Copper based C63000 nickel-aluminum bronze material used to make premium highperformance bronze valve guides because of its ideal characteristics for the application.

Cast Iron

Kibblewhite uses their own specification of cast iron made exclusively for them. They specify elements such as carbon, silicon, manganese, nickel, chromium, copper and sulfur to produce a highly pearlitic structure with dense fine grains for excellent wear resistance.

84-04 Big Twin; 86-03 XL



intake			
Α	0.375"	E	
В	0.375"	F	0.3090"
C	1.700"	Н	0.5620"
D	2.025"		

Intake/Exhaust	Color	P/N	Retail
intake/Exhaust	COIOI	P/IN	netali
STD (.5620")	Bronze	442231	19.89
+.001"	Bronze	442232	19.89
+.002"	Bronze	442233	19.89
+.003"	Bronze	442234	19.89
+.004"	Bronze	442235	19.89
+.010"	Bronze	442236	19.89

Intake/Exhaust	Color	P/N	Retail
STD (.5620")	Cast Iron	442225	9.49
+.001"	Cast Iron	442226	9.49
+.002"	Cast Iron	442227	9.49
+.003"	Cast Iron	442228	9.49
+.004"	Cast Iron	442229	9.49
+.010"	Cast Iron	442230	9.49



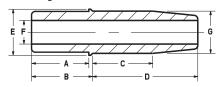
Bronze



992

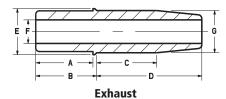
KIBBLEWHITE® VALVE GUIDES continued from previous page.

05-16 Big Twin; 04-16 XL



ilitake			
Α	0.690"	E	0.615"
В	0.740"	F	0.2750"
С	0.800"	G	0.5620"
D	1.280"		

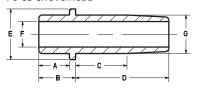
Intake	Color	P/N	Retail
STD (.5620")	Bronze	442210	23.19
+.001"	Bronze	442211	23.19
+.002"	Bronze	442212	23.19
+.010"	Bronze	442213	23.19
STD (.5620")	Cast Iron	442202	12.79
+.001"	Cast Iron	442203	12.79
+.002"	Cast Iron	442204	12.79
+.010"	Cast Iron	442205	12.79



Α	0.690"	E	0.615"
В	0.740"	F	0.2750"
C	0.800"	G	0.5620"
D	1 280"		

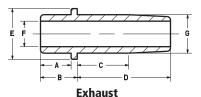
Exhaust	Color	P/N	Retail
STD (.5620")	Bronze	442214	23.19
+.001"	Bronze	442215	23.19
+.002"	Bronze	442216	23.19
+.010"	Bronze	442217	23.19
STD (.5620")	Cast Iron	442206	12.79
+.001"	Cast Iron	442207	12.79
+.002"	Cast Iron	442208	12.79
+.010"	Cast Iron	442209	12.79

78-83 Shovelhead



пцаке			
Α	0.450"	E	0.745"
В	0.540"	F	0.3745"
C	0.755/0.855"	G	0.6250"
D	1.315"		

Intake	Color	P/N	Retail
STD (.6250")	Bronze	442298	19.89
+.001"	Bronze	442299	19.89
+.002"	Bronze	442300	19.89
+.004"	Bronze	442301	19.89
+.006"	Bronze	442302	19.89
STD (.6250")	Cast Iron	442276	9.49
+.001"	Cast Iron	442277	9.49
+.002"	Cast Iron	442278	9.49
+.003"	Cast Iron	442279	9.49
+.005"	Cast Iron	442280	9.49
+.006"	Cast Iron	442281	9.49
+.008"	Cast Iron	442282	9.49
+.010"	Cast Iron	442283	9.49

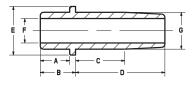


Α	0.450"	E	0.745"
В	0.540"	F	0.3735"
С	0.855"	G	0.6250"
D	1.315"		

Exhaust	Color	P/N	Retail
STD (.6250")	Bronze	442293	19.89
+.001"	Bronze	442294	19.89
+.002"	Bronze	442295	19.89
+.004"	Bronze	442296	19.89
+.006"	Bronze	442297	19.89
STD (.6250")	Cast Iron	442284	9.49
+.001"	Cast Iron	442285	9.49
+.002"	Cast Iron	442286	9.49
+.003"	Cast Iron	442287	9.49
+.004"	Cast Iron	442288	9.49
+.005"	Cast Iron	442289	9.49
+.006"	Cast Iron	442290	9.49
+.008"	Cast Iron	442291	9.49
+.010"	Cast Iron	442292	9.49

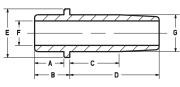


48-77 Big Twin



iiitake				
Α	0.450"	E	0.745"	
В	0.540"	F	0.3745"	
С	0.755"	G	0.5650"	
D	1.370"			
ntake	Color	P/N	Retail	

Intake	Color	P/N	Retail
STD (.5650")	Bronze	442258	19.89
+.001"	Bronze	442259	19.89
+.002"	Bronze	442260	19.89
+.003"	Bronze	442261	19.89
+.004"	Bronze	442262	19.89
+.006"	Bronze	442264	19.89
+.008"	Bronze	442265	19.89
+.010"	Bronze	442266	19.89
STD (.5650")	Cast Iron	442240	9.49
+.001"	Cast Iron	442241	9.49
+.002"	Cast Iron	442242	9.49
+.003"	Cast Iron	442243	9.49
+.004"	Cast Iron	442244	9.49
+.006"	Cast Iron	442246	9.49
+.008"	Cast Iron	442247	9.49
+.010"	Cast Iron	442248	9.49



Exhaust

Α	0.450"	E	0.745"
В	0.540"	F	0.3735"
C	0.855"	G	0.5650"
D	1.315"		

Color	P/N	Retail
Bronze	442267	19.89
Bronze	442268	19.89
Bronze	442269	19.89
Bronze	442270	19.89
Bronze	442271	19.89
Bronze	442273	19.89
Bronze	442274	19.89
Bronze	442275	19.89
Cast Iron	442249	9.49
Cast Iron	442250	9.49
Cast Iron	442251	9.49
Cast Iron	442252	9.49
Cast Iron	442253	9.49
Cast Iron	442255	9.49
Cast Iron	442256	9.49
Cast Iron	442257	9.49
	Bronze Bronze Bronze Bronze Bronze Bronze Bronze Bronze Cast Iron	Bronze 442267 Bronze 442268 Bronze 442270 Bronze 442271 Bronze 442273 Bronze 442274 Bronze 442275 Cast Iron 442249 Cast Iron 442250 Cast Iron 442251 Cast Iron 442252 Cast Iron 442253 Cast Iron 442255 Cast Iron 442255 Cast Iron 442256

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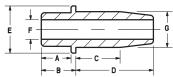
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57-83 XL

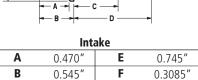
C

D



0.700"

1.225"



G

0.5650"

Intake	Color	P/N	Retail
STD (.5650")	Bronze	442311	24.39
+.001"	Bronze	442312	24.39
+.002"	Bronze	442313	24.39
+.010"	Bronze	442314	24.39
STD (.5650")	Cast Iron	442303	9.49
+.001"	Cast Iron	442304	9.49
+.002"	Cast Iron	442305	9.49
+.010"	Cast Iron	442306	9.49

+	1
Ë F	- G
-A- C	
B D	

Exhaust			
Α	0.470"	E	0.745"
В	0.545"	F	0.3375"
C	0.600"	G	0.5650"
D	1 225"		

Exhaust	Color	P/N	Retail
STD (.5650")	Bronze	442315	24.39
+.001"	Bronze	442316	24.39
+.002"	Bronze	442317	24.39
+.010"	Bronze	442318	24.39
STD (.5650")	Cast Iron	442307	9.49
+.001"	Cast Iron	442308	9.49
+.002"	Cast Iron	442309	9.49
+.010"	Cast Iron	442310	9.49





S&S® VALVE GUIDE

- Cast iron intake/exhaust guide
- Fits S&S Super Stock® and stock Harley-Davidson® cylinder heads Guide ID measures about .309"/.310" with enough material left for
- proper clearancing

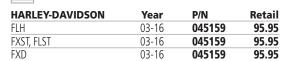
HARLEY-DAVIDSON	Year	P/N	Retail
FLH	85-04	496999	9.95
FXST	84-04	496999	9.95
FLST	86-04	496999	9.95
FXD	91-04	496999	9.95
FXR	84-94	496999	9.95
XL	86-03	496999	9.95



COMETIC® VALVE STEM SEALS Cometic valve stem seals are made of

a high-quality Viton™ rubber designed for the harshest environments.

- Replaces O.E.M. 18094-02
- Made in USA
- · Sold in packs of 25







FEULING® VALVE SEALS FOR V-TWIN

High-quality Viton® valve seals designed to handle high engine temperatures with a built-in, spring-loaded wiper to clean excess oil from valve stem with minimal friction.

· Includes four seals and seal installer too

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	05-16	495443	13.99
FLH	85-04	495442	13.99
FXST, FLST	05-16	495443	13.99
FXST, FLST	84-04	495442	13.99
FXD	05-16	495443	13.99
FXD	91-04	495442	13.99
FLST	86-04	495442	13.99
FXR	84-94	495442	13.99
XL	86-03	495442	13.99

Custom Valve Seals for V-Twin

Application	P/N	Retail
0.530" Guide, 5/16" Valve	495438	13.99
.500" Guide, 5/16" Valve	495444	13.99

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KIBBLEWHITE® VALVE SEATS FOR V-TWIN

Iron alloy seats offer exceptional wear resistance, machinability and thermal qualities.

- Compatible with all types of fuel blends, resists corrosion and burning and is machinable with standard tooling
- · Sold individually

					Intake/		
HARLEY-DAVIDSON	Year	O.D.	I.D.	Height	Exhaust	P/N	Retail
FLH	85-16	1.9690"	1.535"	0.450"	Intake	442218	13.29
FXST	84-16	1.9690"	1.535"	0.450"	Intake	442218	13.29
FLST	86-16	1.9690"	1.535"	0.450"	Intake	442218	13.29
FXD	91-16	1.9690"	1.535"	0.450"	Intake	442218	13.29
FXR	84-94	1.9690"	1.535"	0.450"	Intake	442218	13.29
FLH	85-16	2.0070"	1.562"	0.450"	Intake	442219	13.49
FXST	84-16	2.0070"	1.562"	0.450"	Intake	442219	13.49
FLST	86-16	2.0070"	1.562"	0.450"	Intake	442219	13.49
FXD	91-16	2.0070"	1.562"	0.450"	Intake	442219	13.49
FXR	84-94	2.0070"	1.562"	0.450"	Intake	442219	13.49
FLH	85-16	2.1320"	1.690"	0.450"	Intake	442220	14.09
FXST	84-16	2.1320"	1.690"	0.450"	Intake	442220	14.09
FLST	86-16	2.1320"	1.690"	0.450"	Intake	442220	14.09
FXD	91-16	2.1320"	1.690"	0.450"	Intake	442220	14.09
FXR	84-94	2.1320"	1.690"	0.450"	Intake	442220	14.09
FLH	85-16	1.7570"	1.375"	0.450"	Exhaust	442221	11.69
FXST	84-16	1.7570"	1.375"	0.450"	Exhaust	442221	11.69
FLST	86-16	1.7570"	1.375"	0.450"	Exhaust	442221	11.69
FXD	91-16	1.7570"	1.375"	0.450"	Exhaust	442221	11.69
FXR	84-94	1.7570"	1.375"	0.450"	Exhaust	442221	11.69





EXCLUSIVE TWIN POWER VALVE GUIDE SEALS

High-quality valve guide seals from Twin Power.

Sold in packs of four

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	05-16	18094-02	046602	6.94
FXST, FLST	05-16	18094-02	046602	6.94
FXD	05-16	18094-02	046602	6.94

KIBBLEWHITE® PUSH-ON VALVE GUIDE SEALS FOR V-TWIN

Metal jacketed viton seal pushes on to the guide by hand. Molded internal design keeps seals in place.

Sold in packs of four

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	85-04	499443	7.45
FXST	84-04	499443	7.45
FLST	86-04	499443	7.45
FXD	84-04	499443	7.45
FXR	84-94	499443	7.45
XL	86-03	499443	7.45

KIBBLEWHITE® VALVE GUIDE SEALS

Designed for superior oil control.

- These top hat seals have improved sealing properties and are a direct O.E.M. replacement
- Top Hat style's steel portion of the seal is taller than the standard O.E.M. design,
- giving greater stability to the area of the seal that controls the oil
 High-temperature VitonTM used as it resists high temperature, the effects of wear from gasoline, oil and the by-products of combustion
- Made in USA



HARLEY-DAVIDSON	Year	Туре	Size	P/N	Retail
FLH	05-16	Top Hat Seals 7 mm	0.562 Dia., 0.970" O.A.L., 0.970 O.D.	442200	10.99
FXST, FLST	05-16	Top Hat Seals 7 mm	0.562 Dia., 0.970" O.A.L., 0.970 O.D.	442200	10.99
FXD	05-16	Top Hat Seals 7 mm	0.562 Dia., 0.970" O.A.L., 0.970 O.D.	442200	10.99
XL	04-16	Top Hat Seals 7 mm	0.562 Dia., 0.970" O.A.L., 0.970 O.D.	442200	10.99
FLH	05-16	Metal Jacket Viton 7 mm	0.562 Dia., 0.505" O.A.L., 0.660 O.D.	4422011	22.49
FXST, FLST	05-16	Metal Jacket Viton 7 mm	0.562 Dia., 0.505" O.A.L., 0.660 O.D.	4422011	22.49
FXD	05-16	Metal Jacket Viton 7 mm	0.562 Dia., 0.505" O.A.L., 0.660 O.D.	4422011	22.49
XL	04-16	Metal Jacket Viton 7 mm	0.562 Dia., 0.505" O.A.L., 0.660 O.D.	4422011	22.49

¹ For use when O.E.M.- style top hat seals cannot be used

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BRAKES

CHASSIS

SUSPENSION

SHEET METAL

EXHAUST

FUEL & AIR Systems

ENGINE & OIL FILTERS

PRIMARY DRIVE

TRANSMISSION & FINAL DRIVE

GASKETS &

HANDLEBARS & CONTROL

CABLES

FOOT CONTROL

INSTRUMENT & LIGHTING

ELECTRICAL

TRAILERS & RAMPS

CHEMICALS & LUBES

TOOLS & SUPPLIES

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INDEX 1 Kit includes red Viton seals ² Kit includes K line style seals



TWIN POWER™ VALVE AND SPRING KITS

Twin Power is proud to introduce a new line of high-quality USA-made valve and spring kits to the product line. These are offered as Replacement Valve Kits or Complete Engine Kits. Valve kits include four stock size valves for each application. Engine kits include four valves, a complete O.E.M. replacement-style spring kit, steel retainers and keepers, and valve guide seals, where applicable. From Knuckleheads to the latest Twin Cam models, we give you everything you need in one kit. Only one part number to order for a complete cylinder head overhaul. Easy-to-order, easy-to-stock, and made in USA.

Black Diamond Valves

Black Diamond™ Stainless steel valves are impregnated by a special German process to a depth of .002, with a surface build-up of .0002. This Black Diamond process improves wear properties, reduces friction and provides resistance to corrosion. Valves are lightweight, strong, one-piece forgings with profiles that provide excellent flow characteristics.

Spring Kits

O.E.M. type replacement kits are designed to give stock pressures and work with stock cam profiles. These kits are manufactured to original O.E.M. specifications using premium modern materials, design protocols and manufacturing techniques. All components are the high-quality parts you expect from Twin Power. Valve springs are wound from super-clean chrome, silicon valve spring wire that has been heat-treated and shot-peened. The retainers, keepers and bases are designed to provide maximum mechanical strength. Beehive-style springs are supplied where applicable for stock replacement.

Valve Guide Seals

Red 100% Viton® valve stem seals are designed to have optimum fitment, allow maximum lift and to give maximum life. They are resistant to high temperatures, petroleum products and the corrosive gasses.

- Dealer must install and fit valve guides as needed

Note: Late Shovel kits include a stock type K Line seal. Knucklehead and Ironhead Sportsters® do not include seals.

BUELL	Year	Engine Kits	Retail	Valve Kit	Retail
XB9	03-07	481275¹	331.50	481276	209.99
HARLEY-DAVIDSON					
FLH	05-14	481273 ¹	236.99	481274	115.99
FLH	99-04	481271 ¹	235.95	481272	97.50
FLH	84-98	481267 ¹	235.95	481268	97.50
FL, FX	78-83	481265 ²	215.50	481266	97.50
FL, FX	66-77	4812631	215.50	481264	97.50
FL, EL	48-65	481257 ¹	224.99	481258	106.50
FL, EL	36-47	481255	233.99	481256	115.99
FXST, FLST	05-14	4812731	236.99	481274	115.99
FXST, FLST	00-04	481271 ¹	235.95	481272	97.50
FXST	84-99	481267 ¹	235.95	481268	97.50
FLST	86-99	481267 ¹	235.95	481268	97.50
FXD	05-14	4812731	236.99	481274	115.99
FXD	99-04	481271 ¹	235.95	481272	97.50
FXD	91-98	481267 ¹	235.95	481268	97.50
FXR	82-94	481267 ¹	235.95	481268	97.50
FXWG	84-86	481267 ¹	235.95	481268	97.50
XL 1200	04-14	481279 ¹	254.50	481280	209.99
XL 1200	88-03	481277 ¹	254.50	481278	115.99
XL 883	86-03	481269 ¹	284.50	481270	145.99
XL	70-83	481261	215.50	481262	97.50
XL	57-69	481259	239.99	481260	121.50
1 Vit includes red Viten seeds	2 Vit includes V line style	soals			



481280

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481275







S&S® CYLINDER HEAD REPLACEMENT VALVES

• Exhaust made of Inconel® alloy, intake made of chrome stainless

Super Stock Valves

S&S® Super Stock® heads for 84–99 Big Twin engines and heads for 99–15 Big Twin engines with 89 cc and 91 cc combustion chambers use 2.000 in. intake valves and 1.605 in. exhaust valves

HARLEY-DAVIDSON	Year	Туре	Head Dia.	Stem Dia. Length	P/N	Retail
Big Twin	84-16	Intake Valve	2.000 in.	0.3125 4.45	493778	23.95
Big Twin	84-16	Exhaust Valve	1.605 in.	0.1325 4.428	493777	53.95

Performance Replacement Valves

HARLEY-DAVIDSON	Year	Туре	Head Dia.	Stem Dia	Length	P/N	Retail
Evolution Big Twin	84-99	Intake Valve	1.900 in.	0.3107	4.400	499798	44.95
Evolution Big Twin	84-99	Exhaust Valve	1.575 in.	0.3100	4.551	499799	48.95

Shovelhead

HARLEY-DAVIDSON	Year	Туре	Head Dia.	Stem Dia	Length	P/N	Retail
Evolution Big Twin	84-99	Intake Valve	1.950 in.	0.377	3.885	493953	61.95
Evolution Big Twin	84-99	Exhaust Valve	1.720 in.	0.377	3.724	493955	61.95



KIBBLEWHITE® PRECISION MACHINING BLACK DIAMOND VALVES FOR V-TWIN

- High-flow racing valves feature a sharper profile angle to maximize flow
- Sold individually
- Black Diamond valves with lightweight, one-piece construction and stellite tips
- Provide excellent flow characteristics
- Impregnated by a special German process for improved wear and reduced friction

L84-99

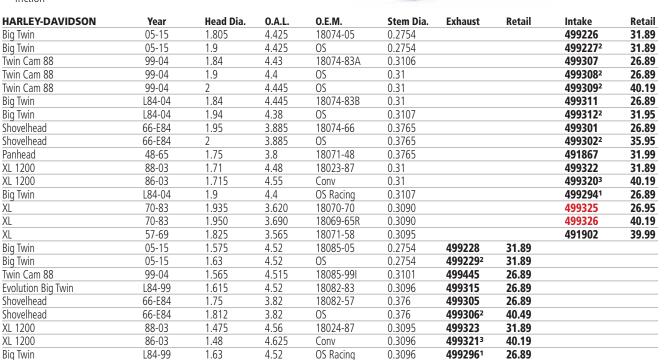
70-83

1.63

1.570

4.52

3.512



18080-58

0.3096

0.3384

4992961

499330



Big Twin

XL

Exhaust Valve

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26.95

^{3 883} to 1200 conversion models

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VANCE & HINES VALVES AND SPRINGS

Vance & Hines "Race Shop Components" Beehive Valve Spring kits are designed with the latest advancements in valve spring technology. These High-Performance Beehive Valve Springs are Nano-Peened, polished and 100% inspected through load testing to ensure they exceed stringent quality standards. Offering superior valve stability at high RPM range, they are the premier choice for your performance upgrade, including "drop-in" ready; no machining to heads required. Kits come with all necessary hardware required: springs, retainers, spring bases, keepers and Viton® valve seals.

- Precision CNC-machined from a stainless one-piece forging for higher strength and durability
- High-grade allowing the valve to withstand high heat and still maintain roundness
- Chromed coating on all stainless valves
- Micropolished stem for smoother finish and less friction resulting in improved performance
- Multiangle back cuts for enhanced flow
- Track tested and proved design on the world's fastest Pro Street and
- Pro Mod motorcycles Retainers made from 4140 chromoly steel, heat-treated and processed to mainain high strength and lightweight design
- Keepers type FM0D7, lock angle 7° triple radius groove, standard install height
- Equipped with chromoly spring bases
- Kits come with premium Viton seals that are designed for maximum retention of elastic properties
- · Stainless Steel
- .600 in. Max Lift
- Spring Diameter: Large end OD: 1.445 in.
 - ID: 1.000 in.
- · Spring Diameter: Small End -OD: 1.095 in.

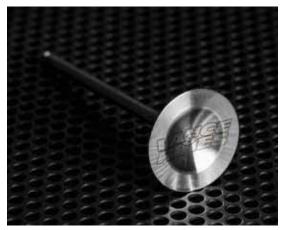
 - -ID: 0.650 in.
- Installed height: 180 lbs. and 1.850 in.
- Open Load: 400 lbs. and 1.250 in.
- Spring Rate: 370 lbs.-in.
- Coil Bind (Max): 1.210 in.

Valve and Spring Set Intake

HARLEY-DAVIDSON	Year	Size	P/N	Retail
Twin Cam	05-16	1.805", 7 mm Stem	VH7075	155.95
Twin Cam	05-16	1.900", 7 mm Stem	VH7076	155.95
Twin Cam	05-16	2.000", 7 mm Stem	VH7077	155.95

Valve Set Intake

Retail
59.95
7 59.95
59.95





Valve and Spring Set Exhaust

HARLEY-DAVIDSON	Year	Size	P/N	Retail
Twin Cam	05-16	1.575", 7 mm Stem	VH7078	155.95
Twin Cam	05-16	1.610", 7 mm Stem	VH7079	155.95
Twin Cam	05-16	1.630", 7 mm Stem	VH7080	155.95
Twin Cam	05-16	1.650", 7 mm Stem	VH7081	155.95
Valve Set Exhaust				
HARLEY-DAVIDSON	Year	Size	P/N	Retail
Twin Cam	05-16	1.575", 7 mm Stem	VH7082	59.95
Twin Cam	05-16	1.610", 7 mm Stem	VH7083	59.95
Twin Cam	05-16	1.630", 7 mm Stem	VH7084	59.95
Twin Cam	05-16	1.650", 7 mm Stem	VH7085	59.95
Spring Kit Only				
HARLEY-DAVIDSON	Year	Size	P/N	Retail
Twin Cam	05-16	7 mm Stem	VH7089	225.95

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FEULING® BEEHIVE VALVE SPRINGS

Feuling® Beehive valve springs use a much smaller and lighter weight retainer, which drastically reduces the valve weight creating a much quicker revving and smoother motion than comparable dual valve springs.

FEULING® HIGH LOAD BEEHIVE VALVE SPRINGS FOR V-TWIN

Handles up to 750 in. lift camshafts; designed for steep ramped large lift camshafts: these Feuling® valve springs are made from premium stress relieved conical ovate wire with a nitride surface heat treatment, shot-peened surface enhancements along with a Nano Peen™ polish; they have an extremely high level of fatigue life and are designed to handle the highest demands of performance engines with high lift, steep ramped camshafts; Dyno proven and track tested.

- Uses a much smaller and lighter weight retainer, which drastically reduces the valve weight creating a much quicker revving and smoother motion than comparable dual valve springs
- Allows up to 750 in. lift cams, no rocker box clearancing required
- Eliminate valve spring separation, maximize stability, reduce valve-train noise and harmonics
 P/N 481850 for 10° 5/16 in., includes valve stem, keeper grooves and .530 valve guide
- P/N 481851 for 7 mm valves with stock keeper groove
- Kits include Feuling® High Load Beehive valve springs, lightweight 10° titanium retainers manufactured from Ti-17 alloy and micropolished for enhanced fatigue life, machined, heattreated chrome-moly spring seats, seat shims and valve locks and a set of premium Viton® valve seals equipped with a spring loaded valve stem wiper system

Note: Fueling® Beehive valve springs must be installed at the correct Open Height, matching max lift to the open height spec of the valve springs.

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	05-16	481851	319.95
Big Twin	84-04	481850	319.95
Sportster	04-16	481851	319.95
Sportster	86-03	481850	319.95
XR1200	09-15	481851	319.95

Twin Cam Screaming Eagle Heads

P/N	Ketaii
481852	319.95

FEULING® ENDURANCE BEEHIVE VALVE SPRINGS FOR V-TWIN

A direct bolt in replacement up to 650 in. lift camshafts no spring seat machining required; machined from a premium grade hi-tensile chrome silicon single conical ovate wire, shot-peened with a specially processed thermal heat treat and super NexTex® finish to give these valve springs the needed fatigue life to exceed the high demands of V-Twin engines from stock to performance.

- Uses a much smaller and lighter weight retainer, which drastically reduces the valve weight creating a much quicker revving and smoother motion than comparable dual valve springs; direct bolt-in replacement up to 650 in. cam lift no machining or rocker box clearancing required
- Eliminates valve spring separation, maximize stability, reduces valve-train noise and harmonics
- P/N 481847 for 10° 5/16 in., includes valve stem, keeper grooves and .530 valve guide
- P/N 481848 for 7 mm valves with stock keeper groove
- Kits include Feuling® Endurance Beehive valve springs, lightweight 7° titanium heat treated retainers, machined spring seats, seat shims, valve locks and set of premium Viton® valve seals equipped with a spring loaded valve stem wiper system

Note: Feuling® Endurance Beehive valve spring kits are direct replacement with no machining or rocker box clearance required up to .574 in. lift for 84–04 Big Twin and 86–03 XL and up to .650 in. lift for 05–13 Twin Cam. Always check bottom of retainer to seal clearance as cylinder heads vary. Feuling® Beehive valve springs must be installed at the correct open height, matching max lift to the open height spec of the valve springs.

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	05-16	481848	299.95
Big Twin	84-04	481847	299.95
Sportster	04-16	481848	299.95
Sportster	86-03	481847	299.95
XR1200	09-15	481848	299.95





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SEATS & SISSY BARS

LUGGAGE

& COVERS

TIRES & WHEELS

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CHASSIS

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ELECTRICAL

TRAILERS

CHEMICALS & HIRFS

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FEULING® BEEHIVE VALVE SPRINGS continued from previous page.



FEULING® ECONO PERFORMANCE BEEHIVE VALVE SPRINGS FOR V-TWIN

Allows up to 585 in. lift cams, no rocker box clearancing required. Eliminate valve spring separation, maximize stability, reduce valve-train noise and harmonics.

- P/N 481845 for 10° 5/16 in., (includes valve stem and keeper grooves
- P/N 481846 for 7 mm valves with stock keeper groove
- Designed to handle up to 585 in. lift camshafts at an economical price
- Features an excellent level of fatigue life and are designed to handle the demands of performance engines with 585 in. and smaller lift camshafts Dyno proven and track tested
- Kits include Feuling® Econo Beehive valve springs, lightweight 7° steel retainers, machined, heat-treated chrome-moly spring seats, seat shims, valve locks and a set of premium Viton® valve seals equipped with a spring loaded valve stem wiper system
- Made from the same premium stress-relieved, conical-ovate wire as our high-load springs but are developed for economical engine budgets

Note: Feuling® Endurance Beehive valve spring kits are direct replacement with no machining or rocker box clearance required up to .574 in. lift for 84-04 Big Twin and 86-03 XL and up to .650 in. lift for 05-15 Twin Cam. Always check bottom of retainer to seal clearance as cylinder heads vary. Feuling® Beehive valve springs must be installed at the correct open height, matching max lift to the open height spec of the valve springs.

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	05-16	481846	199.95
Big Twin	84-04	481845	199.95
Sportster	04-16	481846	199.95
Sportster	86-03	481845	199.95
XR1200	09-15	481846	199.95

S&S® "BEE HIVE" STYLE SPRING KITS

- .650 lift, largest lift available for late model Big Twin and Sportster models
- Bolt-on for stock heads with stock valves
- Includes top collars, bottom collars, springs, shims and valve keepers
- Designed to reduce the risk of valve float
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	05-16	493780	179.95
Big Twin	84-04	493708	169.95
Sportster	04-16	493780	179.95
Sportster	86-03	493708	169.95





KIBBLEWHITE® LIGHTWEIGHT RACING VALVE SPRING KITS FOR V-TWIN

- Kits include titanium or heat-treated steel retainers, chrome silicone springs and heat-treated lower collars
- Made in USA

Note: Use O.E.M. keepers for these kits.



HARLEY-DAVIDSON	Year	Description	Valve Lift	P/N	Retail
Big Twin	05-16	Steel	0.600 in.	499300	152.80
Big Twin	05-16	Titanium	0.600 in.	499303	220.20
Big Twin	84-04	Steel	0.600 in.	442331	152.80
Big Twin	84-04	Titanium	0.600 in.	442330	220.20
Big Twin	84-04	Steel	0.655 in.	442224	220.20
Big Twin	84-04	Titanium	0.655 in.	442223	265.20
Sportster	04-16	Steel	0.600 in.	499300	152.80
Sportster	04-16	Titanium	0.600 in.	499303	220.20
Sportster	86-03	Steel	0.600 in.	442331	152.80
Sportster	86-03	Titanium	0.600 in.	442330	220.20
Sportster	86-03	Steel	0.655 in.	442224	220.20
Sportster	86-03	Titanium	0.655 in.	442223	265.20



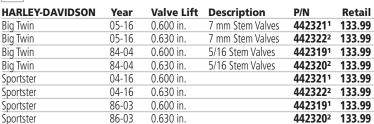
1000 2017 BIKER'S CHOICE CATALOG BIKER'S + CHOICE

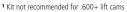
KIBBLEWHITE® PERFORMANCE REBUILD BEEHIVE VALVE SPRING KITS FOR V-TWIN

Great for stock and moderate performance rebuilds. Reduces total valvetrain mass for longevity. Progressively wound beehive springs offer a broad range of natural frequencies, making it difficult for the spring to

- Kits include heat-treated steel retainers and collars and chrome silicone springs
- Made in USA

Note: Use O.E.M. keepers for these kits.





² Kit not recommended for .630+ lift cams





483980

S&S® STREET PERFORMANCE .585" VALVE SPRINGS

- Single coil reduces the risk of valve float
- Suitable for high-performance applications
- Accommodates camshaft lift to 0.585 in.
- Kits include springs, top and bottom collars, keepers and shims

Description	P/N	Retail
Performance Spring Kit	483981	129.95
Reehive Conical Spring Kit	483980	119.95



S&S® HIGH-PERFORMANCE VALVE SPRING KIT

- .550 in. lift double valve spring kit
- Includes four inner springs, four outer springs and four aluminum top collars
- Use with stock-style bottom collar, valve guides, valves with stock 3/8 in. stem and stock keepers
- Compatible with thin-stem valves if thicker keepers that maintain correct valve stem-top collar engagement are used
- Late single bottom collars are included for use in S&S® cylinder heads for Shovelheads and stock L81-85 heads

HARLEY-DAVIDSON	Year	P/N	Retail
FL	48-84	493890	115.95
FX	71-84	493890	115.95





S&S® .585" LIFT DUAL VALVE SPRINGS

Dual springs reduce the risk of valve float. Suitable for high-performance applications.

- Accommodates camshaft lift to 0.585 in.
- Kits include valve guide seals, inner and outer springs, top collars, bottom collars, keepers and shims
- Lift .585 in.
- Installed height 1.800 in.
- Seat force 130 lbs.
- Force at max lift 325 lbs.

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	05-16	495694	124.95
Big Twin	84-04	483980	119.95
XL	04-16	495694	124.95
XL	86-03	483980	119.95





ANDREWS .600" LIFT SPRINGS AND COLLARS FOR V-TWIN

Special valve springs ease high lift cam installation. Aluminum upper collars may be used with stock keepers.

Sold in sets of four

HARLEY-DAVIDSON	Year	Description	P/N	Retail
FL	48-84	Springs	494572	35.95
FL	48-84	Collars	494570	35.95

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ANDREWS .550" LIFT SPRINGS AND COLLARS FOR V-TWIN

Installation does not require machining of heads. Spring kits are sold in sets of four inner and four outer springs.

 Heat treated steel spring collars are designed to fit Twin Cam engines; provides .050 in. more spring travel than stock collars; 10% lighter than stock; use stock keepers

HARLEY-DAVIDSON	Year	Description	P/N	Retail
FLH	85-04	Springs	494610	37.95
FXST	84-04	Springs	494610	37.95
FLST	86-04	Springs	494610	37.95
FXD	84-04	Springs	494610	37.95
FXR	84-94	Springs	494610	37.95
XL	86-03	Springs	494610	37.95
FLH	85-04	Collars	494087	65.95
FXST	84-04	Collars	494087	65.95
FLST	86-04	Collars	494087	65.95
FXD	84-04	Collars	494087	65.95
FXR	84-94	Collars	494087	65.95
XL	86-03	Collars	494087	65.95









ANDREWS VALVE SPRING TOP COLLARS

- Heat-treated steel spring collars
- Designed to fit Twin Cam engines
- Provides .050 in. more spring travel than stock collars
- Stronger and 10% lighter than stock
- Use stock keepers

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	85-04	18219-83A	494087	65.95
FXST	84-04	18219-83A	494087	65.95
FLST	86-04	18219-83A	494087	65.95
FXD	84-04	18219-83A	494087	65.95
FXR	84-94	18219-83A	494087	65.95
XL	86-03	18219-83A	494087	65.95



FEULING® TITANIUM RETAINERS FOR SE BEEHIVE VALVE SPRINGS FOR V-TWIN

- Kits include titanium retainers, steel triple groove keepers and Viton® valve seals for factory guides
 Titanium retainers for Screaming Eagle performance Beehive® valve-
- springs with 0.725 in. top ID and 7 mm valves
- Allows installation of the Screaming Eagle performance Beehive® valve-springs with 0.725 in. top ID onto the early style 5/16 in. valve stem cylinder heads

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	05-16	481855	129.95
EVO, Twin Cam Big Twin	84-04	481856	139.95
Sportster and XR	04-16	481856	139.95
Sportster	86-03	481856	139.95



ANDREWS VALVE SPRING COLLARS

- Steel Lower has low-profile lower collars allowing approximately .060 in. more valve spring travel and ease high-lift cam installation
- Steel Upper used with stock springs, these heat-treated steel upper collars will add approximately .060 in. spring travel with no other modifications
- Steel Upper recommended for P/N 494472 and 494474 B grind.
- Sold in sets of four

HARLEY-DAVIDSON	Year	Description	P/N	Retail
FL, FX	80-84	Lower Collars	494574	35.95
FL	48-84	Upper Collars	494576	42.95
FX	71-84	Upper Collars	494576	42.95





S&S® VALVE KEEPER

For S&S Cycle Evolution Big Twin, Twin Cam and Evolution Sportster heads.

Sold in packs of eight

P/N	Retail
484044	13 95

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OFEULING



FEULING® VALVE LOCKS AND KEEPERS

- Machined steel
- · Sold in packs of eight

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Big Twin	05-16	18260-02	495447	29.00
Big Twin	84-04	18229-83	495446	29.95
Sportster	83-03	18229-83	495446	29.95

High Load Beehive

Description	P/N	Retail
0.050" Off-set 10° Machined Steel Locks, 5/16"	481853	29.95
Titanium Valve Locks, 10° For 5/16" Valve Stems,		
Standard Height Springs	481854	89.95

S&S® 0.030" SHIM

- Bottom collar shim for EVO-style 84-99 engines
- Sold in packs of five

P/N	Retail
484052	1.29





TWIN POWER HP OIL PUMP

Die-cast aluminum body, high-strength steel gear, this oil pump features a larger rotor for up to 20% more oil pressure, 66% more pressure volume and 100% more scavenge over O.E.M. pumps. It fits stock and aftermarket cam support plates and is perfect for your Twin Cam 88 and 96.

601826

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam 96	07-16	601826	149.95
Twin Cam 88	99-06	601825	149.95





KIBBLEWHITE® VALVE KEEPERS FOR V-TWIN

- Special, hardened chrome-moly steel
- Sold in sets of four pairs

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	84-04	499092	18.95
Panhead, Shovelhead	48-84	499091	32.95



FEULING® SPRING SEAT SHIMS FOR V-TWIN

Set your valve spring open height to match your camshaft lifts for optimum valve-train stability and performance.

• Quality-machined valve spring seat shims in two thicknesses,

- 0.060 and 0.015 in. with outside 1.500 in. diameter and inner 0.645 in. diameter
- A set of four of each thickness

P/N	Retail
481857	14.95



FEULING® HP+ OIL PUMP FOR V-TWIN

This pump fits both A and B Twin Cam engines and features high-flow 2 in. chrome-moly gerotor gears, and a high-volume oil pump. It delivers cooler oil and engine temperature, 40% more pressure volume than stock and 60% more scavenge (return) volume than stock.

- Billet 6061 aluminum Increases oil pressure

- Eliminates blow by and wet sumping
 More horsepower and torque to the rear wheel
- Made in USA
- Stock replacement
- Feuling® design, tolerance and material



HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	07-16	495196	399.95
Twin Cam	99-06	4991001	399.95
Dyna	2006	495196	399.95

1 Exc. 2006 Dyna

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S&S® TC3 OIL PUMP KIT

S&S Cycle provides an upgrade solution to moving oil around the Twin Cam engine with the TC3 Series Pump and camshaft plate. Screens and magnetic traps help protect scavenge rotors from debris. Provides additional scavenging with separate scavenge sections for flywheel cavity and cam chest. Three stages separate for constant oil pressure is provided while still providing reliable scavenging. Made in USA.

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	07-16	490795	674.95
Twin Cam	99-06	4907941,2	674.95
Dyna	2006	490795	674.95

¹ Must use late style pump and hydraulic chain tensioners ² Exc. 2006 Dvna

S&S® CAM SUPPORT PLATE

- Precision CNC-machined forged aluminum
- Adjustable oil pressure regulator, adjusts without removing plate from engine
- Passage plugs are removable for service
- Rebuildable, bronze pinion shaft bushing in all models and bronze cam bushings in 2007-later style







HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	07-16	484032	349.95
Twin Cam	99-06	4840311,2	349.95
Dyna	2006	484032	349.95

1 Must use late style pump and hydraulic chain tensioners ² Exc. 2006 Dyna

S&S® OIL PUMP

- Three separate sets of gerotors for consistent pressure and reliable scavenging
- Separate scavenge sections for flywheel cavity and cam chest, no interference
- Screens and magnetic traps help protect the scavenge rotors from debris
- Special design allows S&S pumps to tolerate more pinion shaft run-out without damage
- Made in USA



484033

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480715

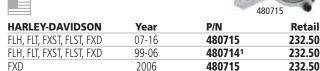
HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	07-16	484034	399.95
Twin Cam	99-06	484033 ²	399.95
Dyna	2006	181031	200 05

² Exc. 2006 Dyna

FEULING® O.E.+ OIL PUMP

This pump increases oil pressure and delivers 18% more pressure volume over stock and 38% more scavenge volume over stock.

- Billet 6061 aluminum
- Two chromoly gerotor gears
- Stock replacement
- Made in USA

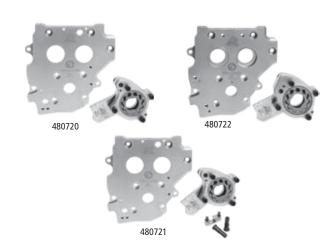


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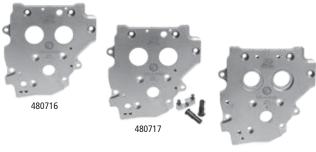
FEULING® O.E.+ OILING SYSTEM

Feuling® O.E.+ oil pump and camplate kits are an upgrade to the stock oiling system, delivering increased oil pressure and return scavenge volumes from an O.E.+ billet oil pump and matched O.E.+ billet camplate.

- O.E.+ billet camplates have increased rigidity and are machined to tighter tolerances compared to stock
- O.E.+ camplate pressure relief valve and spring are seated and preset with a 50-60 psi pop off

HARLEY-DAVIDSON	Year	Description	P/N	Retail
Twin Cam	07-16		480722 ²	479.50
Twin Cam	99-06	Gear Drive	480720 ³	479.50
Twin Cam	99-06	Chain Drive	480721 ³	499.50
Twin Cam Dyna	2006		480722 ²	479.50
Twin Cam	99-06		4807231,3	^{,4} 479.50

- Conversion camplate uses 99-06 chain drive camshafts with late-style 07-14 hydraulic chain tenstioner system
- 3 Exc. 2006 Dyna
- ² Gear drive cams require block off plates



480718

FEULING® O.E.+ CAMPLATES

Manufactured from 6061 aluminum providing increased rigidity and machined to Fueling's® high-tolerance standards. Pressure relief valve and spring are preset, matched and seated by Feuling® with a full pop-off pressure of 50-60 psi. O.E.+ camplates are a direct bolt in replacement and will accept the factory oil pump. Competitively priced O.E.+ camplates are designed and manufactured to the highest standard of quality with proven Feuling® performance.

HARLEY-DAVIDSON	Year	Description	P/N	Retail
Twin Cam	07-16		480718	254.50
Twin Cam	99-06	Gear Drive	480716 ¹	254.50
Twin Cam	99-06	Chain Drive	480717 ¹	274.50
Twin Cam Dyna	2006		480718	254.50
Twin Cam	99-06		4807191,2	254.50

¹ Exc. 2006 Dvna

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² Conversion















495422

FEULING® OIL SYSTEMS KITS FOR V-TWIN

Kits combine all the needed components to finish your Twin Cam engine's oiling system under one part number.

HP+® Series

- Kits include a billet 6061 aluminum high-volume oil pump, billet 7075 aluminum high-flow camplate, HP +® hydraulic roller lifters, gaskets and O-ring kit
- Increases oil pressure, oil volume, engine oil flow and return oil scavenging, eliminating wet sumping and oily air cleaners
- Generates cooler oil and engine temperatures resulting in a quieter more powerful engine
- Test results show a decrease of engine temperatures by as much as 35° and a noticeable decrease in engine oil blow
- Results also show a substantial increase of oil pressure and three horsepower and four foot lbs of torque to the rear wheel Race Series
- Kits consist of a blue printed billet 7075 hard anodized oil pump, which is 50% harder and stronger than the factory pump and also holds a tighter tolerance under temperature
- Lifters are a full .200 in. travel hydraulic lifter designed with a slower bleed down rate to handle heavy valve spring pressures, increase engine RPM before valve float and feature increased roller clearance for steep ramped camshafts
- Includes a Race Series® oil pump, Race Series® lifters, high-flow cam plate, gaskets and O-rings

HARLEY-DAVIDSON	Year	Type	Chain Drive	Retail	Gear Drive	Retail
Twin Cam	07-16	HP+® Series	495421	799.95	495421 ²	799.95
Twin Cam	99-06	HP+® Series	4954243	839.95	495420 ³	799.95
Twin Cam	99-06	HP+® Series	4954321,3	799.95		
Twin Cam	07-16	Race Series®	495423	999.95	495423 ²	999.95
Twin Cam	99-06	Race Series®	495431 ³	1039.95	495422 ³	999.95
Twin Cam	99-06	Race Series®	495433 ^{1,3}	999.95		
Dyna	2006	HP+® Series	495421	799.95	495421 ²	799.95
Dyna	2006	Race Series®	495423	999.95	495423 ²	999.95

- 1 Conversion cam plate, uses 99-06 chain drive camshafts with late style 07-12 hydraulic chain tensioner system, purchase separately
- ² Gear drive cams require block-off plates #49-5435

3 Exc. 2006 Dyna

FEULING® CAM SUPPORT PLATE FOR V-TWIN

Increases engine oil flow and volume by enlarging critical oil passages and the oil pump reservoirs; cam plate is blue printed and matched to the Feuling® oil pump this allows the Twin Cam Engine to take full advantage of the increased volume from the Feuling® oil pump.

• Made from 7075 billet aluminum, this hard alloy increases the strength and

- hardness of the cam plate and allows elimination of the pinion shaft bushing
- Increased oil flow to pinion shaft and connecting rod bearings
- Tighter cam bearing bore tolerance for improved press fit
- Pressure relief valve and spring are designed for increased volume and pressure, eliminating the need to stretch the spring or use a shim
- Decreases engine temperature
- When matched with the Feuling® race pump, rear wheel power gains of 3hp and 4 ft./lbs. of torque are achieved
- Includes bearing retainer plate and hardware
- · Made in USA

Note: For use only with the Feuling® oil pumps.



HARLEY-DAVIDSON	Year	Description	P/N	Retail
Twin Cam	07-16		495198	349.95
Twin Cam	99-06	Chain Drive	4986701,2	379.95
Twin Cam	99-06	Gear Drive	481800 ²	359.95
Dyna	2006		495198	349.95

1 Only fits with Complete Tensioner Pins and Guide Tower P/N 488155

2 Exc. 2006 Dyna





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FEULING® CONVERSION HIGH FLOW CAM PLATE FOR V-TWIN

This camplate has the original style 99-06 Twin Cam cam bearing bores for use with the press in bearings. Designed to use the new style 07-16 factory hydraulic chain tensioner system with the original 99-06 Twin Cam-style camshafts.

- Great for those who have already upgraded their early-style engine and like their existing camshafts
- Cam plate includes bearing retainer plate and hardware Note: 99-01 engines with Magneti Marelli ignition utilize the O.E.M. outer silent chain and rear cam sprocket. For use only with Feuling® oil pumps P/Ns 495906 and 499130. Requires purchase of factory hydraulic chain drive tensioners, chains, sprockets and hardware.

P/N	Retail
481844	349.95



FEULING® CAM AND PINION SHAFT BOLTS

Top engine builders demand quality fasteners! Secure your engine with complete confidence.

- Feuling® engine fastener kits for Twin Cam® engines
- Quality 12-point heat treated 8740 chrome-moly steel bolts with black
- Feature precision rolled threads for optimum engagement, to prevent galling and promote more consistent torque loading
- Wide underhead flange design provides even load distribution for
- optimum sealing of surfaces preventing leaks
 Tensile strength rated @ 170,000 psi: superior and stronger than
 O.E.M. and stronger than grade 8 fasteners
- Manufactured by ARP® to Feulings® exact specifications
- Kits include moly assembly lubricant for installation
- · Made in USA





FEULING® BLOCK OFF PLATE FOR V-TWIN

For cam plates using gear drive camshafts, used to block off the oil holes for hydraulic chain tensioner system.



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	07-16	495435	29.95
FXST	07-16	495435	29.95
FLST	07-16	495435	29.95
FXD	06-16	495435	29.95



FEULING® PRESSURE RELIEF SPRING FOR V-TWIN

Increase the cam plate pressure relief pop-off pressure. Recommended for use with the Feuling® cam plate pressure relief test tool P/N 495204.

- For use with all Feuling® Twin Cam engine cam plates
- Sold individually or in packs of six

Description	P/N	Retail
Individual	495199	12.95
Pack of 6	495201	26.95



FEULING® CAMPLATE PRESSURE RELIEF VALVE PLUNGER. **SPRING AND ROLL PIN FOR V-TWIN**

Increase the pressure relief valve pop off PSI.

Bench testing recommended with Feuling® camplate pressure tool P/N 495204 to ensure proper valve seal and operation

HARLEY-DAVIDSON	Year	Description	P/N	Retail
FLH	99-16	Valve Plunger,		
		Spring & Pin	495439	24.95
FLH	99-16	Plunger Only	481843	9.95
FXST, FLST	00-16	Valve Plunger,		
		Spring & Pin	495439	24.95
FXST, FLST	00-16	Plunger Only	481843	9.95
FXD	99-16	Valve Plunger,		
		Spring & Pin	495439	24.95
FXD	99-16	Plunger Only	481843	9.95







DELKRON BILLET CAM SUPPORT PLATE FOR V-TWIN

Improves the efficiency and the life of any Harley-Davidson® Twin Cam 88 engine valve train, hot or stock. Éliminates flexing under heavy loads caused by cam and valve springs.

- Precise tolerance tightens up the alignment of your cams and pinion bore
- The oil passage has been optimized to improve the efficiency of the Twin Cam 88 engine entire oiling system
 Uses NPT pipe plugs to cap off its oil passage instead of the
- pressed in ball bearing for more positive seal Machined out of 6061-T6 billet aluminum with overall thickness of .645 in. and utilizes a 2000 and later bearing retainer plate
- Kit includes billet cam support plate, pressure regulator valve, pinion shaft bushing and Viton® O-rings

Note: Designed to utilize your stock mounting hardware.

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	07-16	200609	384.75
Dyna	2006	200609	384.75
Twin Cam	99-06	2006071	384.79

1 Exc. 2006 Dyna



FEULING® RACE SERIES OIL PUMPS FOR V-TWIN

7075 Billet aluminum, hard-anodized, blue-printed and designed for the racer. The 7075 alloy holds tighter tolerance under temperature. More pressure volume and more oil pressure. More scavenge volume eliminating power robbing wet sumping, blow - bye and oily air cleaners. When combined with the Feuling® camplate test results show 3hp gain and 4 ft./lbs. of torque gain to the rear wheel, while lowering engine and oil temperature.

- Stock replacement for Twin Cam® engines
- Recommended for racing applications
- Cooler oil and engine temperatures
- High-flow 4140 heat-treated, chrome-moly gerotor gears
- Recommended for both strip and performance street engines
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	07-16	499130	499.95
Dyna	2006	499130	499.95
Twin Cam	99-06	4964931	499.95

1 Exc. 2006 Dyna



FEULING® CAM PLATE CHAIN TENSIONER PINS FOR V-TWIN

When changing Twin Cam chain drive camplates or replacing chain drive tensioners these pins ensure proper press fit.

Heat-treated, chrome-moly pins

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-06	495487	39.95
FXST, FLST	00-06	495487	39.95
FXD	99-05	495487	39.95



NEW!

FEULING® CAMSHAFT TENSIONER PINS AND GUIDE TOWER

Adapts Feuling kit #s 7070 and 7072 and camplate #8000 to chain drive systems.

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-06	488155	49.95
FXST, FLST	00-06	488155	49.95
FXD	99-05	488155	49.95









FEULING® SUPER SCAVENGER OIL PUMP FOR TWIN POWER FOR V-TWIN

Made exclusively for Twin Power with increased scavenging capacity. Available for all 99-16 Twin Cam Big Twin models. Featuring increased scavenge-to-pressure volume ratio, we've created the ultimate oil pump for Twin Cam engines. Manufactured using the same 7075 billet material and specs as the Feuling Race Series® oil pump, these feature a thinner pressure housing resulting in an increased ratio for the scavenge side of the oil pump. Test results show a decrease in cylinder head temperatures and an increased amount of oil removed from engine crankcase and camchest, eliminating power robbing wet sumping and oil carry over.

- Pressure Volume
- 18% more than 99-06 factory oil pump
- 10% more than 07-13 factory oil pump 1% more than SE oil pump
- Scavenge Volume
- 60% more than 99-06 factory oil pump
- 38% more than 07-13 factory oil pump
- 9% more than SE oil pump

HARLEY-DAVIDSON	Year	Mfg/N	P/N	Retail
Twin Cam	07-16	7069	4959961	499.95
Twin Cam	99-06	7059	495995 ²	499.95
1 including 2006 Dyna	² excluding 2006	Dyna		

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S&S® BILLET OIL PUMP "ULTIMATE OILING" KITS

- Kits include billet aluminum pump with the best features of both early and late style pumps: adjustable chain oilers, new pump drive gears with 4:1 ratio and special breather gear
- · Instructions, gaskets and hardware included
- For 70-80 models only, order required drill jig listed below. Reuse pinion shaft drive gear or use pinion shaft conversion kit P/N 493250

Oil Pump Kits

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	92-99	499607	455.95
Big Twin	L77-91	499606	455.95

Billet Stock Replacement Pumps

- Aluminum pumps incorporate the best features of both early and late style pumps
- Internal parts are interchangeable with stock
- Gaskets and mounting hardware included
- Does not include breather gear

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	92-99	499603	327.95
Big Twin	73-91	499520	327.95
Big Twin	36-72	499602	327.95

1 S&S® Pumps Only

Oil Pump Drill Jig

- Required for installation of S&S® oil pump kits on 70-80 models
- Hardened-steel tool also enables the engine builder to perform optional modifications on all other models

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	36-91	499600	45.95

Oil Pump Gasket Kits

· Includes gaskets, woodruff keys and snap rings

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	92-98	4996571	4.95
Big Twin	36-91	499628	4.95

Billet Oil Pump Master Rebuild Kit

Includes gasket rebuild kit, seal, retaining ring, relief valve spring, check valve spring, check valve, ball and cover screw O-rings

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	92-99	496432	13.95
Big Twin	36-91	496431	13.95

S&S® HVHP (HIGH-VOLUME, HIGH-PRESSURE) OIL PUMP

Gears with fewer, but larger, teeth provide increased oil volume for both supply and return sides of the pump. Supply gears are 99% wider than stock and standard S&S® oil pumps. Increased scavenging capacity results in: Less oil in the crankcase; Less oil in carryover; Equipped with a stock length oil pump drive shaft.

Pump only kits: Complete oil pump assembly; Oil pump driveshaft; Miscellaneous hose fitting and plugs; Paper gaskets; Mounting hardware.

Pump and Gear Kits: Everything in the "pump only" kits; Oil pump drive shaft gear; Oil pump pinion shaft gear; Steel breather gear and shim kit.

Standard style covers have feed and return holes in the stock locations. The universal cover has a number of oil feed and return option, allowing maximum flexibility for custom applications

Dumn Kit

r unip Kit				
HARLEY-DAVIDSON	Year	Туре	P/N	Retail
Big Twin	92-99	Universal	499976	399.95
Big Twin	92-99	Standard	497793	399.95
Big Twin	84-91		484036	521.95
Big Twin	92-99		497793	

Pump with Gear Kit

HARLEY-DAVIDSON	Year	P/N	Retail
Bia Twin	92-99	497850	521.95

Gasket Rebuild Kit

Includes key and retaining ring

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	92-99	496429	7.20





BIKER'S & CHOICE

Master Rebuild Kit

Includes gasket rebuild kit, seal, retaining ring, relief valve spring, check valve spring, check valve, ball and cover screw O-rings

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	92-99	496430	18.80
Big Twin	84-91	484037	18.80

Spring Check Valve

Sold in packs of 10

P/N	Retai	
484035	1.19	

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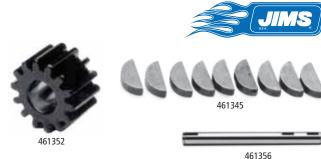
NEW!

JIMS® OIL PUMPS

Cover and body O.E.M. style black wrinkle finish.

 6061-T651 Aluminum CNC machined to exact tolerances for strong, more durable and wear resistant oil pumps

HARLEY-DAVIDSON	Year	Finish	P/N	Retail
Big Twin	92-99	Black	461324	408.00
Big Twin	84-91	Black	461323	408.00



JIMS® OIL PUMP REPLACEMENT PARTS

HARLEY-DAVIDSON	Year	Description	P/N	Retail
Big Twin	73-99	Keys	461345	13.50
Big Twin	68-99	Return Drive Gear	461352	39.00
Big Twin	68-99	Return Idler Gear	461353	39.00
Big Twin	68-99	Feed Drive Gear	461355	39.00
Big Twin	68-99	Feed Idler Gear	461354	39.00
Big Twin	68-99	Drive Shaft	461356	28.50



TWIN POWER OIL PUMP

A polished aluminum stock replacement type pump available for 73-99 models. Made from polished aluminum, this pump improves oil pressure regulation to all parts of the engine. includes:

Gaskets Hardware Gears

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	92-99	495535	269.95
Big Twin	73-91	495534	269.95



FEULING® REBUILD KIT FOR FEULING OIL PUMP FOR V-TWIN

The Feuling® rebuild kit includes everything you need to properly rebuild the high-volume Feuling® Twin Cam oil pump.

- Kit includes new O-rings, separator plate and installation instructions
- Made in USA



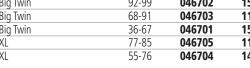
EXCLUSIVE

TWIN POWER OIL PUMP **OVERHAUL KITS**

Kits include all parts necessary to overhaul an oil pump.

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	92-99	046702	15.95
Big Twin	68-91	046703	11.95
Big Twin	36-67	046701	15.95
XL	77-85	046705	11.95
VI	55.76	046704	1/ 05

046703



⊕FEULING



FEULING® CAM PLATE/OIL PUMP FASTENER KIT FOR V-TWIN

Quality 12-point, heat-treated 8740 chrome-moly steel bolts with black oxide finish. Features precision rolled threads for optimum engagement, to prevent galling and promote more consistent torque loading. Wide underhead flange design provides even load distribution for optimum sealing of surfaces, preventing leaks. Tensile strength rated at 170,000 psi: superior and stronger than O.E.M. and stronger than grade eight fasteners.

- Manufactured by ARP® to Feuling's® exact specifications
- Kits include moly assembly lubricant for installation
- Made in USA
- Fits 99-16 Twin Cam engines equipped with Feuling® camplate and oil pump



HARLEY-DAVIDSON	Year	P/N	Retail
-LH	99-16	495202	36.95
XST, FLST	00-16	495202	36.95
EXD	99-16	495202	36.95

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EXCLUSIVE WINDSHIELDS

TWIN POWER OIL PUMP SEALS AND O-RINGS

SEATS & Drive Shaft Seal SISSY BARS

HARLEY-DAVIDSON Year O.E.M. P/N L58-76 26227-58 046258 Big Twin 68-98

O-Rings

HARLEY-DAVIDSON P/N Year O.E.M. Retail 99-16 11301 046140 Twin Cam

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1.09 XL 77-90 26433-77 046265 .91

Oil Pump Seal

HARLEY-DAVIDSON P/N Year O.E.M. Retail 77-90 12036A 046264 1.40





EASTERN CRANKCASE OIL SCREEN

- Steel mesh construction washable but should be replaced if kinked
- Sold in packs of five

	Crankcase				Spring	
HARLEY-DAVIDSON	Year	Oil Screen	O.E.M.	Retail	Only	Retail
Big Twin	70-99	603247	24981-70	16.50	603248	9.50



EASTERN OIL PUMP SPRINGS

Accurate reproduction of the original equipment.

HARLEY-DAVIDSON	Year	O.E.M.	Description	P/N	Retail
Big Twin	83-99	26207-83	Relief Valve Spring	603517	.99
Big Twin	81-99	26207-83	Check Valve Spring	603519	.99

TWIN POWER OIL PUMP CHECK VALVE BALL H-D®#8873.

Sold in packs of 10





PINGEL® TWIN CAM OIL PUMP SCREENS FOR V-TWIN

Install when doing a cam bearing job. You don't always know when you remove the cams if the inner cam bearings are intact. Sometimes one little roller may drop into the center section of your engine. This roller may be sucked up through the pump, ruining the pump and cam plate. With these screens, it will catch the roller and hold it until the next service on the tensioner.

- Protects the oil pump and cam plate from debris and other particles off the chain tensioners
- No restriction to the oil flow
- Easy-to-install and clean

P/N	Retail
030612	39.95



EASTERN OIL PUMP REPAIR KITS

Sold as packs of 10

HARLEY-DAVIDSON	Year	P/N	Retail
XL	83-16	603493	8.95
XL	77-82	603494	8.95





· Zinc/Steel

Lindsteel			
HARLEY-DAVIDSON	Year	P/N	Retail
FLH	70-98	497699	4.45
FXST	84-99	497699	4.45
FLST	86-99	497699	4.45
FXD	91-98	497699	4.45
FXR	82-94	497699	4.45
FX	71-86	497699	4.45

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EASTERN OIL PUMP BUSHING SHAFT FOR V-TWIN

Gardner-Westcott Company

GARDNER-WESTCOTT OIL PUMP

Plugs are used at the tappet oil galley screen, oil pump check valve and oil pressure relief valve.

O.E.M.

26263-80 **041660 28.95**

041659 33.95

Year

70-80

PLUG SETS FOR V-TWIN

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	36-98	24641-36	216541	21.95
FXST	84-99	24641-36	216541	21.95
FLST	86-99	24641-36	216541	21.95
FXD	91-98	24641-36	216541	21.95
FX	71-86	24641-36	216541	21.95



RIVERA PRIMO ALLEN OIL PUMP FITTINGS FOR V-TWIN

Easy-to-install and turn even in the tightest places.

- Úses 5/16 in. Allen wrench to tighten or loosen
- Precision-machined from solid brass then show chromed
- Sold in pairs

P/N	Retail
060201	15.50



GARDNER-WESTCOTT OIL PUMP MOUNT CUSTOM HARDWARE KITS FOR V-TWIN

Allen

HARLEY- DAVIDSON	Year	P/N	Retail
FLH	79-91	041622	9.95
FXST	84-91	041622	9.95
FLST	86-91	041622	9.95
FXD	1991	041622	9.95
FX	79-86	041622	9.95



GARDNER-WESTCOTT OIL PUMP FITTING KIT FOR V-TWIN

Chrome-plated brass

O.E.M. Type

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	84-91	041044	27.99
Big Twin	68-84	041043	32.99

Custom Type

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	70-91	041046	50.99



· Chrome-plated

Evolution Big Twin 81-99

HARLEY-

Big Twin

DAVIDSON

COLONY HEX OIL PUMP AND CRANKCASE PLUG SETS FOR V-TWIN

Chrome-plated

Screen and Spring
HARLEY-DAVIDSON Year

Big Twin

 Plugs are used at the tappet oil galley screen, oil pump check valve and oil pressure relief valve

70-99



Hexed (ea.)





044552

044073

Hexed Sets				
HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Big Twin	81-99	26263-80	044260	24.99
Big Twin	70-80	26377-68	044259	27.99
Allen Sets				
HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Big Twin	81-99	26263-80	043889	24.99
Slotted Chrome Sets				
HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Big Twin	81-99	26263-80	044503	20.99
Slotted CAD Sets				
Sibilied CAD Sels				
HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
	Year 81-99	O.E.M. 26263-80	P/N 044504	Retail 13.99
HARLEY-DAVIDSON				
HARLEY-DAVIDSON Big Twin				

043906 8.61

			Slotted Chrome (ea.)
E.M.	P/N	Retail	HARLEY-DAVIDSON
263-80	044503	20.99	Big Twin
			Big Twin
			Big Twin
.E.M.	P/N	Retail	J.
263-80	044504	13.99	Slotted CAD (ea.)
			HARLEY-DAVIDSON
			Big Twin
E.M.	P/N	Retail	Big Twin
263-80	043888	10.99	Big Twin
			Big Twin
Retail			

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Big Twin	81-99	26263-80	044073	10.99
Big Twin	70-80	26377-68	044258	11.99
Big Twin	36-80		044072	10.99
Big Twin	52-65		044074	11.99
Slotted Chrome (ea.)				
HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Big Twin	81-99	26263-80	044507	10.99
Big Twin	70-80	26377-68	044551	10.99
Big Twin	36-80		044474	11.99
Slotted CAD (ea.)				
HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Big Twin	70-80	26377-68	044552	6.99
Big Twin	68-80		044486	9.99
Big Twin	36-80		044475	8.99
Big Twin	52-65		044483	9.99

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S&S® PIPE PLUG

- · Made from zinc and steel
- Plug with 3/4 in. taper 1/8"-27 NPTF X .188"
- O.E.M. #45830-48

P/N	Retail
496803	5.45









COLONY OIL PUMP MOUNT KITS

Α	llen
$\overline{}$	11011

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	92-99	044534	13.99
Big Twin	78-91	044082	9.99
Big Twin	68-77	044081	17.99

Nuts Only

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	36-67	044212	5.50

Hexed Parkerized

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	36-67	044520	24.99

Acorn

- Chrome
- · Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	68-77	044146	23.37







• Sold as packs of 10

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Big Twin	72-76	26348-15	602990	6.50
Big Twin	60-71	26340-36	602991	14.95
XL	72-76	26348-15	602990	6.50
XL	60-71	26340-36	602991	14.95

602991



EASTERN ENGINE RETAINING RINGS FOR V-TWIN

HARLEY-DAVID	SON Year	Description	O.E.M.	P/N	Retail
Big Twin	36-99	Oil Pump Drive Shaft	26348-36	6030871	4.95
XL	57-E 62, 72-7	6	H-D#11002	601511	2.95
Big Twin	70-98	Oil Pump	11002	601511	2.95







TWIN POWER OIL PUMP DRIVEN GEAR

This 24-tooth replacement dear

IIIIs 24-tootii repiace	ment ye	aı		
HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	73-98	26345-73	490038	17.50
FXST	84-99	26345-73	490038	17.50
FLST	86-99	26345-73	490038	17.50
FXD	91-98	26345-73	490038	17.50
FX	73-86	26345-73	490038	17.50



Used with 24 tooth driven gear for 4:1 pump drive ratio.

- Six tooth
- H-D®#26349-73

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	54-89	492891	32.95
FXST	84-89	492891	32.95
FLST	86-89	492891	32.95
FX	71-86	492891	32.95



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S&S® OIL PUMP DRIVE GEAR

24 tooth

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	73-98	26345-73	493784	26.95
FXST	84-99	26345-73	493784	26.95
FLST	86-99	26345-73	493784	26.95
FXD	91-98	26345-73	493784	26.95
FX	73-86	26345-73	493784	26.95



BIKER'S CHOICE® OIL PUMP COVER FOR V-TWIN

Covers provide a simple way to accent oil pump.

KURYAKYN

KURYAKYN® OIL LINE NACELLE FOR V-TWIN

between the cam cover and transmission.

HARLEY-DAVIDSON

FXST, FLST

FXST, FLST

Die-cast chrome cover hides the wrinkle black or plain cast surface

Year

07-16

00-06

Mfg/N

8395

8204

P/N

496984

496955

Retail

79.99

69.99

Chrome-plated steel

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	92-98	491163	21.95
FXST, FLST	92-99	491163	21.95
FXD	92-98	491163	21.95

S&S® PINION SHAFT OIL PUMP DRIVE GEAR

Note: Requires P/N 493784 or H-D®# 26345-73 drive shaft drive gear.

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	54-89	496793	37.95
Big Twin	39-53	499192	119.95



BIKER'S CHOICE® OIL PUMP DRIVE SHAFT KIT

Kit includes shaft, bushing, snap rings, and woodruff key for proper removal and replacement

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	70-98	603018	27.95
FXST	84-99	603018	27.95
FLST	86-99	603018	27.95
FXD	91-98	603018	27.95
FXR	82-94	603018	27.95
FX	71-86	603018	27.95

S&S® CRANKCASE BREATHER REED VALVES

Consists of three steel reeds that are normally in the closed position. When pistons travel downward in the cylinders, the air in the crankcase is compressed and pressure in the crankcase below the pistons increases.

Pressure causes the reeds to open, allowing the air and oil mist in the crankcase to escape into the cam chest

When pistons change direction and begin traveling back upward in the cylinders, a vacuum is created in the close, preventing air from entering the crankcase

• A slight vacuum is maintained in the crankcase and oil scavenging is greatly improved

HARLEY-DAVIDSON	Year	Size	P/N	Retail
FLH	93-98		497214	119.95
FLH	93-98	+.030	495217	124.95
FXST, FLST	93-99		497214	119.95
FXST, FLST	93-99	+.030	495217	124.95
FXD	93-98		497214	119.95
FXD	93-98	+.030	495217	124.95



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S&S® BREATHER GEAR

- Steel breather gear does not come with shims
- Shims can be ordered separately
- Improved oil scavenging from breather gear pocket

Breather Gear

HARLEY-DAVIDSON	Year	P/N	Retail
Evolution Big Twin	L77-99	499623	85.95
Big Twin	48-E77	499624	97.95

Oversize

HARLEY-DAVIDSON	Year	Size	P/N	Retail
Evolution Big Twin	L77-99	+.030"	499627	85.95
Big Twin	48-E77	+.030"	499626	97.95



JIMS® BREATHER VALVE GEARS

Aerospace quality steel breather valve with very precise timing, excellent upgrade for the stock plastic breather valve.

- Replaces H-D® O.E.M. 25313-77, 25310-82A
- Made in USA

HARLEY-DAVIDSON	Year	Size	P/N	Retail
Big Twin	L77-99	STD.	461334	104.95
Big Twin	L77-99	+.030	461333	104.95



S&S® CRANKCASE BREATHER VALVES FOR TWIN CAMS



Eliminates oil carry over in Twin Cam style engines. Provides a slight increase in midrange horsepower.
Easy-to-install when changing cams or servicing oil pump

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	03-10	499965 ¹	110.95
Twin Cam	99-02	499966 ¹	119.95
1 A models			



S&S® BREATHER GEAR SPACING SHIM KIT

- Kit includes one of each thickness: .100, .110, .120, .130, .140, .150, .160 and .170 in.
- Fits stock 79-82 and all S&S® steel breather gears
- Sold in packs of eight

P/N	Retail
499631	21.95



S&S® BREATHER GEAR KIT

- All steel construction: superior dimensional stability, abrasion
- Welded-in screen
- Higher flow than stock
- Elongated breather pocket scavenge hole for increased solution
- Improved oil scavenging from breather gear pocket
 Options:
 - Standard diameter for replacement or new builds
 - +.030 in. diameter for damaged engines
 - Breather gear only
 - Breather gear and shim kits

Standard Size

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	L77-99	493688	108.95
Big Twin	48-E77	497913	119.95
Big Twin	36-E47	499782	119.95

+.030 in. Oversize

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	L77-99	497915	108.95
Big Twin	48-E77	483952	119.95
Big Twin	36-E47	499797	119.95

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TWIN CAM GRIND INFO:

475G

Designed as a bolt in stock replacement cam for riders with stock 1999-06 engines who are not looking for more power, but want to eliminate the stock cam drive chains.

509G&C

Designed as a bolt in, high torque cam for 99-06 models. 180 psi cranking compression, no need for compression releases. For 88 in. CID engines with stock compression ratio Idle-4500 rpm 510G

Designed as a bolt in cam for 88 to 103 in. engines with compression ratios below 9.7:1. Intended primarily for stock heads that have not been ported

551 TORQUE CAM

Optimized for 2007-up 96 to 106 CID touring bike with slip-on mufflers and 9.0 to 10:1 compression. Best bolt-in cam available for dressers. Pulls hard from idle to 4000 rpm.

570G

Designed for 88 to 106 in. engines with compression ratios between 9:1 and 10:1 $\,$

557 TRI-GLIDE SPECIAL

The short duration produces lots of torque, and the automatic mechanical compression release makes the engine a snap to start. Stock base circle allows the use of stock pushrods.

583 MIDRANGE CAM

Optimized for use as a great overall cam in the Softail/Dyna lines, but can be used in any 99-12 Big Twin models. Provides strong low end torque and horsepower that you can really feel. Strongest from 1500-5000 rpm in a Softail/Dyna application. **585G**

Designed for 88 to 103 in. engines with compression ratios from 10 to 10.5:1 and 100 in. and 107 in. engines at 9.7:1 to 10.5:1 compression

625G

Cam set designed for 95 in. or larger engines with compression ratios between 10.0 and 10.75:1

640G

Designed for engines of 95 in. or more with compression ratios between 10.5:1 and 11.5:1 used in S&S® 124 in. engines

For the rider who really wants the most top end horsepower. Easily make 100 horses from a stock engine with S&S intake and exhaust. Ideal for lighter bikes and racing applications where getting the most horsepower from a stock engine is imperative

MR103

These bolt in-cams are for the rider who wants more of everything without giving up low end torque for high rpm horsepower, or vice versa. More power all across the wide power band, from idle to red line. **635HO**

This is the cam set for the rider looking for maximum horsepower. With .635 in. lift, your engine can really breath. They'll work even better when you have your cylinder heads CNC ported in Step 4. High lift S&S valve springs are required.





S&S® CHAIN DRIVE CAMS

High-performance cams, includes cams, gaskets, bearings and instructions.

Made in USA

			T'' O	The formal and the second	D	V-1 126	Life of TDG		
HARLEY-DAVIDSON	Year	Typo	Timing Open		Duration at 0.053 Intake/Exhaust		Lift at TDC	D/M	Retail
Twin Cam	07-16	Type 510C	20°/52°	38°/20°	238°/252°	.510"/.510"	.187"/.179"	499549	314.95
Twin Cam	07-16	570C	20°/55°	40°/20°	240°/255°	.570"/.570"	.187"/.179"	499524	314.95
Twin Cam	07-16	585C	20°/60°	45°/20°	245°/260°	.585"/.585"	.186"/.179"	499553	314.95
Twin Cam	07-16	625C	20°/60°	55°/20°	255°/260°	.625"/.625"	.189"/.184"	499442	314.95
Twin Cam	07-16	635C	19.5°/58.5°	43.5°/37.5°	243°/276°	.635"/.635"	.186"/.284"	483987 ²	314.95
Twin Cam	07-16	640C	25°/65°	60°/25°	265°/270°	.640"/.640"	.228"/.214"	499444	314.95
Twin Cam	07-16	HP103C	20°/45°	49°/26°	249°/251°	.575"/.575"	.199"/.206"	483993 ²	314.95
Twin Cam	99-06	509C	18°/46°	18°/11°	216°/237°	.509"/.509"	.174"/.140"	4939171	314.95
Twin Cam	99-06	510C	20°/52°	38°/20°	238°/252°	.510"/.510"	.187"/.179"	4985601	314.95
Twin Cam	99-06	551C	17°/41°	19°/17°	216°/238°	.550"/.550"	.178"/.170"	4980451	314.95
Twin Cam	99-06	570C	20°/55°	40°/20°	240°/255°	.570"/.570"	.187"/.179"	4980471	314.95
Twin Cam	99-06	583C	5°/58°	18°/24°	203°/262°	.583"/.583"	.113"/.206"	4980491	314.95
Twin Cam	99-06	585C	20°/60°	45°/20°	245°/260°	.585"/.585"	.186"/.179"	4980511	314.95
Twin Cam	99-06	625C	20°/60°	55°/20°	255°/260°	.625"/.625"	.189"/.184"	4980531	314.95
Twin Cam	99-06	635C	19.5°/58.5°	43.5°/37.5°	243°/276°	.635"/.635"	.186"/.284"	4832281,2	² 314.95
Twin Cam	99-06	640C	25°/65°	60°/25°	265°/270°	.640"/.640"	.228"/.214"	4980551	314.95
Twin Cam	99-06	HP103C	20°/45°	49°/26°	249°/251°	.575"/.575"	.199"/.206"	4832331,2	² 314.95
Twin Cam	99-06	MR103C	13°/50°	33°/22°	226°/252°	.585"/.585"	.172"/.177"	483238	314.95
Dyna	06-16	510C	20°/52°	38°/20°	238°/252°	.510"/.510"	.187"/.179"	499549	314.95
Dyna	06-16	570C	20°/55°	40°/20°	240°/255°	.570"/.570"	.187"/.179"	499524	314.95
Dyna	06-16	585C	20°/60°	45°/20°	245°/260°	.585"/.585"	.186"/.179"	499553	314.95
Dyna	06-16	625C	20°/60°	55°/20°	255°/260°	.625"/.625"	.189"/.184"	499442	314.95
Dyna	06-16	640C	25°/65°	60°/25°	265°/270°	.640"/.640"	.228"/.214"	499444	314.95

¹ Exc. 2006 Dyna

AUDIO, VIDEO & NAVIGATION

INDIAN & VICTORY

WINDSHIELDS

SEATS & SISSY BARS

LUGGAGE

SECURITY & COVERS

TIRES & Wheels

BRAKES

CHASSIS

SUSPENSION

SHEET METAL

EXHAUST FUEL & AIR SYSTEMS

ENGINE & OIL FILTERS

PRIMARY DRIVE

TRANSMISSION & FINAL DRIVE

GASKETS & Hardware

HANDLEBARS & Control

CABLES

FOOT CONTROL

INSTRUMENT & LIGHTING

ELECTRICAL

ATTERIES & IARGERS

TRAILERS & RAMPS

CHEMICALS & LUBES

TOOLS & SUPPLIES

GENERAL ACCESSORIES & DISPLAY

CROSS REFERENCE

² Do not use with S&S 79cc heads

AUDIO, VIDEO & NAVIGATION

INDIAN & VICTORY

WINDSHIELDS

SEATS & SISSY BARS

LUGGAGE

SECURITY & COVERS TIRES & WHEELS

BRAKES

CHASSIS SUSPENSION

SHEET METAL

EXHAUST

FUEL & AIR SYSTEMS

ENGINE &

PRIMARY DRIVE

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HANDLEBARS & CONTROL

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GENERAL ACCESSORIES & DISPLAY

CROSS REFERENCE

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S&S® CHAIN DRIVE CAM KITS continued from previous page.



S&S® CHAIN DRIVE EASY START CAMS

Kits include cams, bearings, gaskets and bolts



			Timing Open	Timing Closed	Duration at 0.053	8 Valve Lift	Lift at TDC		
HARLEY-DAVIDSON	Year	Type	Intake/Exhaust	Intake/Exhaust	Intake/Exhaust	Intake/Exhaust	Intake/Exhaust	P/N	Retail
Twin Cam	07-16	551CE	17°/41°	19°/17°	216°/238°	.550"/.550"	.178"/.170"	498450	409.95
Twin Cam	07-16	570CE	20°/55°	40°/20°	240°/255°	.570"/.570"	.187"/.179"	498451	409.95
Twin Cam	07-16	583CE	5°/58°	18°/24°	203°/262°	.583"/.583"	.113"/.206"	498452	409.95
Twin Cam	07-16	585CE	20°/60°	45°/20°	245°/260°	.585"/.585"	.186"/.179"	498453	409.95
Twin Cam	07-16	625CE	20°/60°	55°/20°	255°/260°	.625"/.625"	.189"/.184"	498454	409.95
Twin Cam	07-16	635CE	19.5°/58.5°	43.5°/37.5°	243°/276°	.635"/.635"	.186"/.284"	483988	409.95
Twin Cam	07-16	640CE	25°/65°	60°/25°	265°/270°	.640"/.640"	.228"/.214"	498455	409.95
Twin Cam	07-16	HP103CE	20°/45°	49°/26°	249°/251°	.575"/.575"	.199"/.206"	483994	409.95
Twin Cam	07-16	MR103CE	13°/50°	33°/22°	226°/252°	.585"/.585"	.172"/.177"	483984	409.95
Twin Cam	99-06	551CE	17°/41°	19°/17°	216°/238°	.550"/.550"	.178"/.170"	4980571	409.95
Twin Cam	99-06	570CE	20°/55°	40°/20°	240°/255°	.570"/.570"	.187"/.179"	4890631	332.00
Twin Cam	99-06	583CE	5°/58°	18°/24°	203°/262°	.583"/.583"	.113"/.206"	4980651	409.95
Twin Cam	99-06	585CE	20°/60°	45°/20°	245°/260°	.585"/.585"	.186"/.179"	4980671	409.95
Twin Cam	99-06	625CE	20°/60°	55°/20°	255°/260°	.625"/.625"	.189"/.184"	4980691	409.95
Twin Cam	99-06	635CE	19.5°/58.5°	43.5°/37.5°	243°/276°	.635"/.635"	.186"/.284"	4832291,	² 409.95
Twin Cam	99-06	640CE	25°/65°	60°/25°	265°/270°	.640"/.640"	.228"/.214"	4980711	409.95
Twin Cam	99-06	HP103CE	20°/45°	49°/26°	249°/251°	.575"/.575"	.199"/.206"	4832341,	² 409.95
Twin Cam	99-06	MR103CE	13°/50°	33°/22°	226°/252°	.585"/.585"	.172"/.177"	483239	409.95
Tri-Glide	09-16	557CE	6°/26.5°	38.8°/12.4°	216°/237°	.557"/.557"	.113"/.146"	493943	409.95
Dyna	06-16	551CE	17°/41°	19°/17°	216°/238°	.550"/.550"	.178"/.170"	498450	409.95
Dyna	06-16	570CE	20°/55°	40°/20°	240°/255°	.570"/.570"	.187"/.179"	498451	409.95
Dyna	06-16	583CE	5°/58°	18°/24°	203°/262°	.583"/.583"	.113"/.206"	498452	409.95
Dyna	06-16	585CE	20°/60°	45°/20°	245°/260°	.585"/.585"	.186"/.179"	498453	409.95
Dyna	06-16	625CE	20°/60°	55°/20°	255°/260°	.625"/.625"	.189"/.184"	498454	409.95
Dyna	06-16	640CE	25°/65°	60°/25°	265°/270°	.640"/.640"	.228"/.214"	498455	409.95
1 Exc. 06 Dyna Models						0			

S&S® GEAR DRIVE CAM KITS

Convert your Twin Cam to a gear drive.

• Kit includes cams, inner and outer gears, gaskets, bearings, bolts and heavy-duty bearing plate



			Timing Open	Timing Closed	Duration at 0.053	Valve Lift	Lift at TDC		
HARLEY-DAVIDSON	Year	Туре	Intake/Exhaust	Intake/Exhaust	Intake/Exhaust	Intake/Exhaust	Intake/Exhaust	P/N	Retail
Twin Cam	07-16	510G	20°/52°	38°/20°	238°/252°	.510"/.510"	.187"/.179"	496180	729.95
Twin Cam	07-16	570G	20°/55°	40°/20°	240°/255°	.570"/.570"	.187"/.179"	496181	729.95
Twin Cam	07-16	585G	20°/60°	45°/20°	245°/260°	.585"/.585"	.186"/.179"	496182	729.95
Twin Cam	07-16	635G	19.5°/58.5°	43.5°/37.5°	243°/276°	.635"/.635"	.186"/.284"	483990	729.95
Twin Cam	07-16	HP103G	20°/45°	49°/26°	249°/251°	.575"/.575"	.199"/.206"	483996	729.95
Twin Cam	99-06	475G	2°/36°	34°/04°	216°/220°	.475"/.475"	.060"/.060"	4994411	729.95
Twin Cam	99-06	509G	18°/46°	18°/11°	216°/237°	.509"/.509"	.174"/.140"	4939141	729.95
Twin Cam	99-06	510G	20°/52°	38°/20°	238°/252°	.510"/.510"	.187"/.179"	4994701	729.95
Twin Cam	99-06	570G	20°/55°	40°/20°	240°/255°	.570"/.570"	.187"/.179"	4994711	729.95
Twin Cam	99-06	585G	20°/60°	45°/20°	245°/260°	.585"/.585"	.186"/.179"	4994721	729.95
Twin Cam	99-06	625G	20°/60°	55°/20°	255°/260°	.625"/.625"	.189"/.184"	4994731	729.95
Twin Cam	99-06	635G	19.5°/58.5°	43.5°/37.5°	243°/276°	.635"/.635"	.186"/.284"	483230 ^{1,}	² 729.95
Twin Cam	99-06	640G	25°/65°	60°/25°	265°/270°	.640"/.640"	.228"/.214"	4994741	729.95
Twin Cam	99-06	HP103G	20°/45°	49°/26°	249°/251°	.575"/.575"	.199"/.206"	4832351,	² 729.95
Twin Cam	99-06	MR103G	13°/50°	33°/22°	226°/252°	.585"/.585"	.172"/.177"	483240	729.95
Dyna	06-16	510G	20°/52°	38°/20°	238°/252°	.510"/.510"	.187"/.179"	496180	729.95
Dyna	06-16	570G	20°/55°	40°/20°	240°/255°	.570"/.570"	.187"/.179"	496181	729.95
Dyna	06-16	585G	20°/60°	45°/20°	245°/260°	.585"/.585"	.186"/.179"	496182	729.95
1 Exc. 2006 Dvna									

¹ Exc. 2006 Dyna 2 Do not use with S&S 79cc heads

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¹ Exc. 06 Dyna Models ² Do not use with S&S 79cc heads

S&S® GEAR DRIVE EASY START CAMS

How It works:

Each of the two exhaust cam lobes are equipped with a spring-loaded compression release lobe on the "heel" of the cam at the point where the valve would normally be fully closed. The lobe holds the exhaust valve open slightly at cranking speed. This releases some of the compression, making the engine much easier to crank. Once the engine starts, and rpm increases, the compression release lobe is centrifugally retracted and the engine runs normally, with full compression, and without any loss in performance. This allows a stock starter and battery to start nearly any engine.

- Start any engine with a stock starter
- Save your starter and battery
- Reliable-tested for 10,000 starts and didn't even run the battery down
- Automatic: no buttons to push
- Available in chain and gear drive versions
- Kits include cams, all gears, gaskets, bearings, bolts and bearing plate





			Timing Open		Duration at 0.053		Lift at TDC		
HARLEY-DAVIDSON	Year	Type	Intake/Exhaust	Intake/Exhaust	Intake/Exhaust	Intake/Exhaust	Intake/Exhaust	P/N	Retail
Twin Cam	07-16	551GE	17°/41°	19°/17°	216°/238°	.550"/.550"	.178"/.170"	498456	824.95
Twin Cam	07-16	570GE	20°/55°	40°/20°	240°/255°	.570"/.570"	.187"/.179"	498457	824.95
Twin Cam	07-16	583GE	5°/58°	18°/24°	203°/262°	.583"/.583"	.113"/.206"	498458	824.95
Twin Cam	07-16	585GE	20°/60°	45°/20°	245°/260°	.585"/.585"	.186"/.179"	498459	824.95
Twin Cam	07-16	625GE	20°/60°	55°/20°	255°/260°	.625"/.625"	.189"/.184"	498460	824.95
Twin Cam	07-16	635GE	19.5°/58.5°	43.5°/37.5°	243°/276°	.635"/.635"	.186"/.284"	483992	824.95
Twin Cam	07-16	640GE	25°/65°	60°/25°	265°/270°	.640"/.640"	.228"/.214"	498461	824.95
Twin Cam	07-16	HP103GE	20°/45°	49°/26°	249°/251°	.575"/.575"	.199"/.206"	483998	824.95
Twin Cam	07-16	MR103GE	13°/50°	33°/22°	226°/252°	.585"/.585"	.172"/.177"	483986	824.95
Twin Cam	99-06	551GE	17°/41°	19°/17°	216°/238°	.550"/.550"	.178"/.170"	4984631	824.95
Twin Cam	99-06	570GE	20°/55°	40°/20°	240°/255°	.570"/.570"	.187"/.179"	4984641	824.95
Twin Cam	99-06	583GE	5°/58°	18°/24°	203°/262°	.583"/.583"	.113"/.206"	4984651	824.95
Twin Cam	99-06	585GE	20°/60°	45°/20°	245°/260°	.585"/.585"	.186"/.179"	4984661	824.95
Twin Cam	99-06	625GE	20°/60°	55°/20°	255°/260°	.625"/.625"	.189"/.184"	4984671	824.95
Twin Cam	99-06	635GE	19.5°/58.5°	43.5°/37.5°	243°/276°	.635"/.635"	.186"/.284"	4832321	² 824.95
Twin Cam	99-06	640GE	25°/65°	60°/25°	265°/270°	.640"/.640"	.228"/.214"	4984681	824.95
Twin Cam	99-06	HP103GE	20°/45°	49°/26°	249°/251°	.575"/.575"	.199"/.206"	4832371,	² 824.95
Twin Cam	99-06	MR103GE	13°/50°	33°/22°	226°/252°	.585"/.585"	.172"/.177"	483242	824.95
Dyna	06-16	551GE	17°/41°	19°/17°	216°/238°	.550"/.550"	.178"/.170"	498456	824.95
Dyna	06-16	570GE	20°/55°	40°/20°	240°/255°	.570"/.570"	.187"/.179"	498457	824.95
Dyna	06-16	583GE	5°/58°	18°/24°	203°/262°	.583"/.583"	.113"/.206"	498458	824.95
Dyna	06-16	585GE	20°/60°	45°/20°	245°/260°	.585"/.585"	.186"/.179"	498459	824.95
Dyna	06-16	625GE	20°/60°	55°/20°	255°/260°	.625"/.625"	.189"/.184"	498460	824.95
Dyna	06-16	640GE	25°/65°	60°/25°	265°/270°	.640"/.640"	.228"/.214"	498461	824.95

¹ Exc. 2006 Dyna

NEW!

S&S® CAM CHEST KIT GEAR DRIVE

The economical way to upgrade everything in your cam chest!

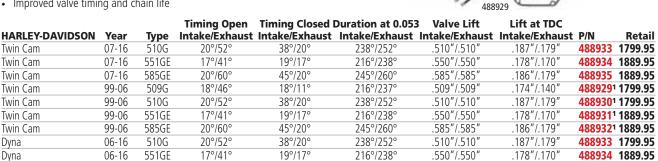
• Upgrade to S&S bolt-in performance chain drive camshafts

06-16

585GE

20°/60°

- Improved engine performance higher lift and optimized cam timing
- S&S Quickee pushrods easy installation, without removing rocker covers
- Replace stock oil pump, cam support plate, cams, chain tensioners, and tappets with all new premium USa made S&S components
- Upgrade 1999-'06 models to 2007-'16 style oil pump (included) for better, more consistent oil pressure
- Improved valve timing and chain life



245°/260°

.585"/.585

45°/20°

Dyna

AUDIO, VIDEO & NAVIGATION

ΙΝΝΙΔΝ & VICTORY

WINDSHIELDS

SEATS & SISSY BARS

LUGGAGE

SECURITY & COVERS

TIRES & WHEELS

BRAKES

CHASSIS

SUSPENSION

SHEET METAL

EXHAUST

FUEL & AIR Systems ENGINE & OIL FILTERS

PRIMARY DRIVE

TRANSMISSION & FINAL DRIVE

GASKETS &

HANDLEBARS & CONTROL

CABLES

F00T CONTROL

INSTRUMENT & LIGHTING

ELECTRICAL

TRAILERS & RAMPS

CHEMICALS & LUBES

SUPPLIES **GENERAL** ACCESSORIES & DISPLAY

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488935 1889.95

.186"/.179

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² Do not use with S&S 79cc heads

¹ Exc. 2006 Dyna

AUDIO, VIDEO & NAVIGATION

INDIAN & VICTORY

WINDSHIELDS

SEATS & SISSY BARS

LUGGAGE

SECURITY & COVERS

TIRES & WHEELS

BRAKES CHASSIS

SUSPENSION

SHEET METAL

EXHAUST

FUEL & AIR SYSTEMS

ENGINE & OIL FILTERS PRIMARY DRIVE

TRANSMISSION & FINAL DRIVE

> **GASKETS &** HARDWARE

HANDLEBARS & CONTROL

CABLES

FOOT CONTROL

INSTRUMENT & LIGHTING

ELECTRICAL

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Twin Cam

Dyna

Dyna

Dyna 1 Exc. 2006 Dyna

S&S® CAM CHEST KIT CHAIN DRIVE

There's more in your cam chest than Just Cams!

- Upgrade to S&S performance gear drive
- Replace stock oil pump, cam support plate, cams, and tappets with all new premium USA made S&S components
- Upgrade 99-06 models to 07-16 style oil pump (included)

07-16

07-16

07-16

99-06

99-06

99-06

99-06

06-16

06-16

06-16

Improved engine performance – higher lift and optimized cam timing

Type

585C

583CE

551CE

585CE

551CE

510C

509C

585C

583CE

551CE

5°/58°

17°/41°

18°/24°

19°/17°

• Better, more consistent oil pressure

HARLEY-DAVIDSON Year



Timing Open	Timina Closed I	Duration at 0.053	Valve Lift	Lift at TDC		
		Intake/Exhaust		Intake/Exhaust	P/N	Retail
20°/60°	45°/20°	245°/260°	.585"/.585"	.186"/.179"	488942	1659.95
5°/58°	18°/24°	203°/262°	.583"/.583"	.113"/.206"	488941	1749.95
17°/41°	19°/17°	216°/238°	.550"/.550"	.178"/.170"	488940	1749.95
20°/60°	45°/20°	245°/260°	.585"/.585"	.186"/.179"	4889391	1749.95
17°/41°	19°/17°	216°/238°	.550"/.550"	.178"/.170"	4889381	1749.95
20°/52°	38°/20°	238°/252°	.510"/.510"	.187"/.179"	4889371	1659.95
18°/46°	18°/11°	216°/237°	.509"/.509"	.174"/.140"	4889361	1659.95
20°/60°	45°/20°	245°/260°	.585"/.585"	.186"/.179"	488942	1659.95

.583"/.583"

.550"/.550"

.113"/.206"

.178"/.170"

488941 1749.95

488940 1749.95





203°/262°

216°/238°



S&S® CAMSHAFTS WITH INNER GEARS

Installation kit not included but reccomended

Note: Easy Start Carris.									
•			Timing Open	Timing Closed	Duration at 0.053	Valve Lift	Lift at TDC		
HARLEY-DAVIDSON	Year	Type	Intake/Exhaust	Intake/Exhaust	Intake/Exhaust	Intake/Exhaust	Intake/Exhaust	P/N	Retail
Twin Cam	07-16	635G	19.5°/58.5°	43.5°/37.5°	243°/276°	.635"/.635"	.186"/.284"	483989	464.95
Twin Cam	07-16	635GE	19.5°/58.5°	43.5°/37.5°	243°/276°	.635"/.635"	.186"/.284"	483991	559.95
Twin Cam	07-16	HP103G	20°/45°	49°/26°	249°/251°	.575"/.575"	.199"/.206"	483995	464.95
Twin Cam	07-16	HP103GE	20°/45°	49°/26°	249°/251°	.575"/.575"	.199"/.206"	483997	559.95
Twin Cam	07-16	MR103GE	13°/50°	33°/22°	226°/252°	.585"/.585"	.172"/.177"	483985	559.95
Twin Cam	99-06	635G	19.5°/58.5°	43.5°/37.5°	243°/276°	.635"/.635"	.186"/.284"	4832311,	² 464.95
Twin Cam	99-06	HP103G	20°/45°	49°/26°	249°/251°	.575"/.575"	.199"/.206"	4832361,	² 464.95
Twin Cam	99-06	MR103G	13°/50°	33°/22°	226°/252°	.585"/.585"	.172"/.177"	483241	464.95

¹ Exc. 2006 Dyna

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² Do not use with S&S 79cc heads



NEW!

VANCE & HINES CAMSHAFTS

- "Bolt-In" camshafts
- Silent ramp profile to eliminate valve train noise
- Includes high-performance inner cam bearings and gasket set

HARLEY-DAVIDSON	Year	Timing Open	Timing Closed	Valve Duration	Valve Lift	Lift at TDC	P/N	Retail
FLH, FLT	07-16	20°/45°	40°/15°	240°/240°	.575/.575	.180"/.145"	VH7099	424.99
FXST, FLST	07-16	20°/45°	40°/15°	240°/240°	.575/.575	.180"/.145"	VH7099	424.99
FXD	06-16	20°/45°	40°/15°	240°/240°	.575/.575	.180"/.145"	VH7099	424.99





ANDREWS TWIN CAM CONVERSION CAMSHAFTS

Camshaft upgrade for all 99-06 Engines.

Installing 2007 roller cam chains on earlier engines requires series "N" Andrews camshafts, Stock H-D® parts are required: 2007 cam support plate, 2007 or later oil pump, cam sprockets and chains and both hydraulic chain adjusters. Matching EZ-install pushrods kits are sold separately. EZ-install pushrods do not require removal of gas tanks or rocker boxes when installing bolt-in camshafts.

12N: Bolt-in cams for 99-06 engines; Similar cam time to stock 88 engines for cooler running and more power.

21N: Bolt-in cam more torque for all around riding with heavy bikes, stock compression ratios and stock pistons; Similar to #23 cam for EV80. (1700-4800 RPM).

26N: Bolt-in cam 88-95 in. and stock compression ratio; Great for two up touring, this cam will add torque and HP at lower and middle RPM ranges (1800-5200 RPM).

31N: Great cam for motors with 95 in. and 9.8 to 10.2 CR; Lower TDC lift for easy installation; Similar to TW37 with different timing (2400-5600 RPM).

37N: Hot street cams for 88 or 95 in., 80+ rear wheel HP possible with well tuned 88 in., more with 95; Smooth idle, broad torque (2200-5600 RPM).

48N: Broad tip cams for baggers with stock motors; Max torque at low and mid RPMs; High lift springs needed for 99-04 engines. 50N: Designed for easy installation in 95 in. motors with stock heads and 9.5 to 9.8 CR. (2400 to 6000 RPM).

5.5 to 3.6 Cr. (2400 to 6000 H).
554N: Great cam for 95 in. engines with CR to 10:1 (2200-5600 RPM range). Added to the conversion cam group by popular demand.
55N: Great cam for 95 in. with 9.8 to 10.2 C.R.; Max HP - torque at mid and upper RPMs (2600 to 6200).

67N: Performance cams for 95-107 in. + 10.0 to10.8 CR with high-flow head setup.(2600-6400+ RPM).

- Eliminate spring powered chain adjusters
- Engines converted to 2007 type cams and chain drives will have higher output due to less power loss from older spring powered chain tensioners; instead, of the original spring adjusters, new roller cam chains use engine oil pressure to maintain proper chain tension
- Camshafts on all 99-06 Twin Cam 88 engines (exc. 2006 Dyna) can be updated to new style roller chain drives
- Designed for use with stock H-D® hydraulic lifters

			Timing Open	Timing Closed	Duration at .053			
HARLEY-DAVIDSON	Year	Type	Intake/Exhaust	Intake/Exhaust	Intake/Exhaust	Valve Lift	P/N	Retail
Twin Cam	99-06	12N	02°/40°	34°/02°	216°/222°	.489	4940951	298.95
Twin Cam	99-06	21N	10°/40°	30°/08°	220°/228°	.498	494071 ¹	298.95
Twin Cam	99-06	26N	11°/41°	35°/09°	226°/230°	.490	4940721	298.95
Twin Cam	99-06	31N	10°/52°	46°/08°	236°/240°	.510	4940731	298.95
Twin Cam	99-06	37N	18°/46°	38°/14°	236°/240°	.510	4940741	298.95
Twin Cam	99-06	48N	13°/43°	29°/15°	222°/238°	.548	4940581	298.95
Twin Cam	99-06	50N	20°/54°	48°/18°	248°/252°	.510	494077¹	298.95
Twin Cam	99-06	54N	16°/43°	42°/15°	238°/238°	.555	4940761	298.95
Twin Cam	99-06	55N	22°/52°	46°/20°	248°/252°	.550	4940781	298.95
Twin Cam	99-06	67N	24°/58°	48°/22°	252°/260°	.570	4940791	298.95
1 Exc. 2006 Dyna								

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SHEET METAL

EXHAUST

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ENGINE & OIL FILTERS

PRIMARY DRIVE

TRANSMISSION & FINAL DRIVE GASKETS &

HARDWARE

HANDLEBARS & CONTROL

CABLES

FOOT CONTROL

INSTRUMENT & LIGHTING

ELECTRICAL

ATTERIES & HARGERS

TRAILERS & RAMPS

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SECURITY & COVERS

TIRES & WHEELS

BRAKES CHASSIS

SUSPENSION

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ENGINE & OIL FILTERS PRIMARY DRIVE

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ANDREWS TWIN CAM CHAIN DRIVE CAMSHAFTS

- Splined chain drive camshafts
- 99-06 models include one ball bearing; roller bearing, P/N 601788 can be purchased separately
- Designed for use with stock Harley-Davidson® hydraulic lifters
- Can be installed on both carbureted and fuel injected models
- 09H Grind/.492" Lift: Bolt-in Cam; More power through entire RPM
- TWZ1/.498" Lift: More torque for all around 1170-5200 RPM range; Similar to EV23 for Evolution.
- TW26A Grind/.490" Lift: For both carb and fuel injection; Bolt-in cam; 1800-5500 power band.
- TW31S Grind/.510" Lift: Great cam for motors with 95 in. and 9.8 to 10.2 compression; Lower TDC lift for easy installation; 2000-5600
- 32H: High lift version of 31G; Much more power thru RPM range with 10:1 compression pistons; 2800-5800 RPM.
- TW37B Grind/.510" Lift: For both carb and fuel injection; Bolt-in cam; 2200-5600 RPM.
- 48H Grind/.548" Lift: Broad tip cams for Baggers with stock motors; Max torque at low and mid RPMs.

- TW48: Broad tip cam for Baggers with stock motors; Max torque at low and mid RPMs.
- TW50 Grind/.510" Lift; Light bikes 88 to 95 cubic inch; Needs higher compression 9.5 to 1; 2800 to 6000+ power band.
- TW54: Specially designed for 95 in. plus engines with compression ratio up to 10:1; 2200-5600 RPM range.
- TW55: Great cams for 95 in. engines with 9.8 to 10.2 CR; Max HP and torque at mid and upper RPMs; 2600-6200 RPM.
- 54H: Specially designed for 96 and 103 engines with CR up to 10:1;
- 2200-5600 rpm range; High-lift springs required on 99-04 engines. 55H: Great cam for 96-103 inch engines with stock heads and 9.5 to 9.8 CR; Max horsepower: torque at mid and upper RPMs; 2600-6200
- 57H: Specially designed for 103-110 inch engines; Bolt-in low RPM power galore for heavy bikes. TW60 Grind/.560" Lift: 95 in. or greater; Needs cylinder head work
- and exhaust; 2400-6000+ power band. 67H: Performance cams for 96-110+ engines; 10.0 to 10.8 CR with
- high flow head set-up; 2600-6400+ RPM.
- TW67: Performance cams for 95-107+ inch; 10.0-10.8 CR high flow head set-up; 2600-6400+ RPMs.

Note: .550 lift and larger require spring spacing for 99-04 engines.

HARLEY-DAVIDSON	Year	Туре	Timing Open Intake/Exhaust	Timing Closed Intake/Exhaust	Duration at .053 Intake/Exhaust	Valve Lift	P/N	Retail
Twin Cam	07-16	09H	-02°/40°	28°/-04°	206°/216°	.492	494091	298.95
Dyna	2006	09H	-02°/40°	28°/-04°	206°/216°	.492	494091	298.95
Twin Cam	07-16	21H	10°/40°	30°/08°	220°/228°	.498	495252	298.95
Dyna	2006	21H	10°/40°	30°/08°	220°/228°	.498	495252	298.95
Twin Cam	99-06	TW21	10°/40°	30°/08°	220°/228°	.498	4947151	298.95
Twin Cam	07-16	26H	11°/41°	35°/09°	226°/230°	.490	494407	298.95
Dyna	2006	26H	11°/41°	35°/09°	226°/230°	.490	494407	298.95
Twin Cam	99-06	TW26	11°/41°	35°/09°	226°/230°	.490	4946951	298.95
Twin Cam	07-16	31H	10°/52°	46°/08°	236°/240°	.510	495253	298.95
Dyna	2006	31H	10°/52°	46°/08°	236°/240°	.510	495253	298.95
Twin Cam	99-06	TW31S	10°/52°	46°/08°	236°/240°	.510	4946941	298.95
Twin Cam	07-16	32H	10°/52°	46°/08°	236°/240°	.570	494084	298.95
Dyna	2006	32H	10°/52°	46°/08°	236°/240°	.570	494084	298.95
Twin Cam	07-16	37G	18°/46°	38°/14°	236°/240°	.510	495254	298.95
Dyna	2006	37G	18°/46°	38°/14°	236°/240°	.510	495254	298.95
Twin Cam	99-06	TW37	18°/46°	38°/14°	236°/240°	.510	4946961	298.95
Twin Cam	07-16	48H	13°/43°	29°/15°	222°/238°	.548	494093	298.95
Dyna	2006	48H	13°/43°	29°/15°	222°/238°	.548	494093	298.95
Twin Cam	99-06	TW48	13°/43°	29°/15°	222°/238°	.548	4929561	298.95
Twin Cam	99-06	50H	20°/54°	48°/18°	248°/252°	.510	495256	298.95
Dyna	2006	50H	20°/54°	48°/18°	248°/252°	.510	495256	298.95
Twin Cam	99-06	TW50	20°/54°	48°/18°	248°/252°	.510	4946971	298.95
Twin Cam	99-06	TW54	16°/43°	42°/15°	238°/238°	.555	4940851	298.95
Twin Cam	99-06	TW55	22°/52°	46°/20°	248°/252°	.550	4947171	298.95
Twin Cam	07-16	54H	16°/43°	42°/15°	238°/238°	.555	494053	298.95
Dyna	2006	54H	16°/43°	42°/15°	238°/238°	.555	494053	298.95
Twin Cam	07-16	55H	22°/52°	46°/20°	248°/252°	.550	495359	298.95
Dyna	2006	55H	22°/52°	46°/20°	248°/252°	.550	495359	298.95
Twin Cam	07-16	57H	18°/46°	38°/14°	236°/240°	.560	495358	298.95
Dyna	2006	57H	18°/46°	38°/14°	236°/240°	.560	495358	298.95
Dyna	2006	60H	24°/58°	56°/22°	260°/260°	.560	495257	298.95
Twin Cam	07-16	60H	24°/58°	56°/22°	260°/260°	.560	495257	298.95
Twin Cam	99-06	TW60	24°/58°	56°/22°	260°/260°	.560	4946981	298.95
Twin Cam	07-16	67H	24°/58°	48°/22°	252°/260°	.570	495369	298.95
Dyna	2006	67H	24°/58°	48°/22°	252°/260°	.570	495369	298.95
Twin Cam	99-06	TW67	24°/58°	48°/22°	252°/260°	.570	4929991	298.95
¹ Exc. 2006 Dyna		=:						

2017 BIKER'S CHOICE CATALOG BIKER'S & CHOICE





ANDREWS TWIN CAM GEAR DRIVE CAMSHAFTS

Gear drive uses less engine power to operate and improves valve timing accuracy over stock chain drive camshafts. Dynamometer comparisons show gains of 4 horsepower over chain drive camshafts

- Can be installed on both carbureted and fuel injected models
- Sold as cams only, inner and outer gear kit and installation kit must be purchased separately
- 12G: Similar timing to earlier stock 88 cams but gear drive cams are used instead of chain; No engine retuning necessary with this timing.
- 21G: Bolt-in cam first introduced in 2000; More torque for all around riding with stock comp. ratio and heavy bikes; Similar to #23 cam for EV80; (1700-5200 RPM).
- 26G: Bolt-in cam for lower RPM torque, FLT, etc.; For two up touring, this cam will add torque and HP at lower and middle speed ranges; 1800-5500 RPM.
- 31G: Smooth idle, broad torque band; 2200-5800 RPM.
- 32G: High-lift version of 31G; Much more power thru RPM range with 10:1 compression pistons; 2800-5800 RPM.
- 37G: Smooth idle, broad torque band; Similar grind to TW37.

- 50G: Designed in 1999 for easy installation in 95 in. motors with 9.25 C.R. and stock heads; 2500-6000 RPM.
- 54G: Specially designed for 96 and 103 engines with CR up to 10:1; 2200-5600 RPM range.
- 55G: Great cam for 95 in. motors; Max torque and HP at mid- and upper-RPM; Similar grind toTW55; Requires spring spacing on 99-04 engines.
- 59G: Great cam for 95 in. motors with 10.00 CR and higher; Max torque and HP at mid- and upper-RPM; Requires spring spacing on all models.
- 60G: For well prepped street engine with 95 cubic inches and head work; 100+ HP is within reach; 2700-6500+ RPM max torque range.
- 64G: Big cams for modified 95-116+ in. motors running 10:2 CR or higher; Heads must be set for .700 lift and modified for max air flow; (3000-6500+ RPM).
- 67G: Hi-lift springs; Performance cams for 95-107+ inches, 10.0 to 10.8 C.R. with high-flow head setup; (2600-6400+ RPM).

Note: 0.550 lift and larger require spring spacing for 99-04 engines

HARLEY-DAVIDSON	Year	Туре	Timing Open	Timing Closed Intake/Exhaust	Duration at .053 Intake/Exhaust	Valve Lift	P/N	Retail
Twin Cam	99-06	12G	02°/40°	34°/02°	216°/222°	.489	495416 ¹	328.95
Twin Cam	07-16	21G	10°/40°	30°/08°	220°/228°	.498	495242	336.95
Dyna	2006	21G	10°/40°	30°/08°	220°/228°	.498	495242	336.95
Twin Cam	99-06	21G	10°/40°	30°/08°	220°/228°	.498	4986631	328.95
Twin Cam	07-16	26HG	11°/41°	35°/09°	226°/230°	.490	494405	336.95
Dyna	2006	26HG	11°/41°	35°/09°	226°/230°	.490	494405	336.95
Twin Cam	99-06	26G	11°/41°	35°/09°	226°/230°	.490	498664 ¹	328.95
Twin Cam	07-16	31HG	10°/52°	46°/08°	236°/240°	.510	495243	336.95
Dyna	2006	31HG	10°/52°	46°/08°	236°/240°	.510	495243	336.95
Twin Cam	99-06	31G	10°/52°	46°/08°	236°/240°	.510	498667¹	328.95
Twin Cam	07-16	32HG	10°/52°	46°/08°	236°/240°	.570	495372	336.95
Dyna	2006	32HG	10°/52°	46°/08°	236°/240°	.570	495372	336.95
Twin Cam	99-06	32G	10°/52°	46°/08°	236°/240°	.570	494069 ¹	328.95
Twin Cam	07-16	37HG	18°/46°	38°/14°	236°/240°	.510	495244	336.95
Dyna	2006	37HG	18°/46°	38°/14°	236°/240°	.510	495244	336.95
Twin Cam	99-06	37G	18°/46°	38°/14°	236°/240°	.510	494720 ¹	328.95
Twin Cam	07-16	50HG	20°/54°	48°/18°	248°/252°	.510	495246	336.95
Dyna	2006	50HG	20°/54°	48°/18°	248°/252°	.510	495246	336.95
Twin Cam	99-06	50G	20°/54°	48°/18°	248°/252°	.510	498665¹	328.95
Twin Cam	07-16	54HG	16°/43°	42°/15°	238°/238°	.555	494049	336.95
Dyna	2006	54HG	16°/43°	42°/15°	238°/238°	.555	494049	336.95
Twin Cam	99-06	54G	16°/43°	42°/15°	238°/238°	.555	494046¹	328.95
Twin Cam	07-16	55HG	22°/52°	46°/20°	248°/252°	.550	495247	336.95
Dyna	2006	55HG	22°/52°	46°/20°	248°/252°	.550	495247	336.95
Twin Cam	99-06	55G	22°/52°	46°/20°	248°/252°	.550	494722¹	328.95
Twin Cam	07-16	59HG	29°/63°	57°/27°	266°/270°	.590	495250	399.95
Dyna	2006	59HG	29°/63°	57°/27°	266°/270°	.590	495250	399.95
Twin Cam	99-06	59G	29°/63°	57°/27°	266°/270°	.590	4947231	459.95
Twin Cam	07-16	60HG	24°/58°	56°/22°	260°/260°	.560	495248	336.95
Dyna	2006	60HG	24°/58°	56°/22°	260°/260°	.560	495248	336.95
Twin Cam	99-06	60G	24°/58°	56°/22°	260°/260°	.560	498666¹	328.95
Twin Cam	99-06	64G	30°/66°	62°/30°	272°/276°	.640	4947241	459.95
Twin Cam	07-16	67HG	24°/58°	48°/22°	252°/260°	.570	494041	336.95
Dyna	2006	67HG	24°/58°	48°/22°	252°/260°	.570	494041	336.95
Twin Cam	99-06	67G	24°/58°	48°/22°	252°/260°	.570	494009¹	328.95
1 Exc. 2006 Dyna								

1 Exc. 2006 Dyna

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TRANSMISSION & FINAL DRIVE

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ENGINE & OIL FILTERS

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> **GASKETS &** HARDWARE

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KURYAKYN

KURYAKYN® WILD THINGS CAM

If you want an awesome overall power gain without beating up the valve train in your bike, these cams are for you. These cams combined with the Crusher exhaust and Crusher High Flow Intake System make a killer combination.

• Low noise and long valve train life are a few of the highlights of the TC-24D Cams

• Adjustable push rods are required, but no head work, valve springs or piston clearancing is necessary

• On our 2012 Street Glide with a 103 we were getting consistent numbers of 104 hp and 112 ft. lbs. of torque when combined with the Crusher Exhaust, Crusher A/C and TTS tuning system

TC-24D

HARLEY-DAVIDSON	Year	Mfg/N	P/N	Retail
Twin Cam	07-16	579	419421	329.99
Dyna	2006	579	419421	329.99
TC-26U				
HARLEY-DAVIDSON	Year	Mfg/N	P/N	Retail
Twin Cam	99-06	472	419420 ¹	399.99

1 Exc. 2006 Dyna



TWIN POWER™ CAM CHAINS

Our cam chains have precision-ground side plates for smoother operation. Their specifications and performance are designed to be equivalent or superior to O.E. chains. Made in Japan.

HARLEY-DAVIDSON	Year	Primary	Retail	Secondary	Retail
Twin Cam	07-16	591208	39.95	591209 ²	40.95
Twin Cam	99-06	5912071	89.95	591206 ¹	89.95
Dyna	06-16	591208	39.95	591209	40.95
1 Eye 2006 Duna					



2 Exc. 2017 FLH, FLT

TWIN POWER CAM CHAIN GUIDE

Made from ABS plastic, the Twin Power™ Cam Chain Guide is perfect for TC 88 models.

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	99-06	39965-99	488714	10.95
FXST, FLST	00-06	39965-99	488714	10.95
FXD	99-05	39965-99	488714	10.95



TWIN POWER REPLACEMENT TENSIONER SHOES

Economical replacement for expensive factory Harley-Davidson® parts, the Replacement Tensioner Shoes from Twin Power™ provide you with longer life and reduced friction. These shoes are high-temperature resistant. They allow you to replace only the worn items. Factory shoes should be checked every 10,000 miles. Made in USA.

- Replace the wear items only on 99-06 or 07-16 Twin Cam models
- Installation tool P/N 482736 required for 99–06 models (except 06 Dyna)
- Sold in pairs



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	07-16	482735	23.50
FLH	99-06	482734	15.00
FXST, FLST	07-16	482735	23.50
FXST, FLST	00-06	482734	15.00
FXD	06-16	482735	23.50
FXD	99-05	482734	15.00



TWIN POWER REPLACEMENT TENSIONER **SHOE INSTALLATION TOOL**

Use to replace tensioner shoes on 99-06 Twin Cam Big Twins, except 06 Dyna. These fit 79 - 84 O-ring style Shovelhead models. The Twin Power™ Replacement Tensioner Shoe Installation Tool is required to change the shoes on your 99-06 Big Twin (exc. Dyna).

Made in USA



P/N	Retai
482736	33 50

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ANDREWS GEAR SET FOR GEAR DRIVEN V-TWIN CAMS

- Works on all S&S® gear driven-type cams
 Includes all four gears, bolts, washer and keys
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	07-16	494007	471.95
Dyna	2006	494007	471.95
Twin Cam	99-06	494401 ¹	476.95

¹ Exc. 2006 Dyna



S&S® CAM **GEAR DRIVE KIT**

Better control of valve timing above 2,500 RPM, longer life and durability over chain drives.

Works with Andrews cams also

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	07-16	496185	479.95
Twin Cam	99-06	4996791	479.95
Dyna	2006	496185	479.95

¹ Exc. 2006 Dyna



S&S® OUTER CAM DRIVE GEAR KITS

Accurate, dependable valve timing with precision machined gears.

Required with S&S® drive gear cams

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	07-16	496186	268.95
Twin Cam	99-06	4996781	268.95
Dyna	2006	496186	268.95

¹ Exc. 2006 Dyna

S&S® OUTER CAM DRIVE GEAR PARALLEL KEY

Replacement Parallel Key for the S&S® Outer Came Drive Gear Kits.

P/N 496209 2.95



ANDREWS CAM DRIVE SPROCKET

34 tooth

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-06	494714	85.95
FXST, FLST	00-06	494714	85.95
FXD	99-05	494714	85.95



S&S® CAM CHAIN TENSIONER

- Superior valve train control
- Thicker shoe for longer wear
- Direct chain oiling
- Larger piston
- Tighter tolerance for improved stability

-		•		
HARLEY-DAVIDSON	Year	Туре	P/N	Retail
FLH, FLT, FXST, FLST FXD	06-16	Tensioner Kit	4871791	129.95
FLH, FLT, FXST, FLST FXD	06-16	Outer Body	4871801	66.95
FLH, FLT, FXST, FLST FXD	06-16	Inner Body	487181 ¹	66.95
FLH, FLT, FXST, FLST FXD	06-16	Replacement Shoe	4871821	22.95

487181

AUDIO, VIDEO & NAVIGATION

INDIAN & VICTORY

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SEATS & SISSY BARS

LUGGAGE

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TIRES & WHEELS

BRAKES

CHASSIS

SUSPENSION

SHEET METAL

EXHAUST

FUEL & AIR Systems

ENGINE & OIL FILTERS

PRIMARY DRIVE

TRANSMISSION & FINAL DRIVE

GASKETS &

HANDLEBARS & CONTROL

487182

CABLES

FOOT CONTROL

INSTRUMENT & LIGHTING

ELECTRICAL

TRAILERS & RAMPS

CHEMICALS & LUBES

GENERAL ACCESSORIES & DISPLAY

CROSS REFERENCE

¹ Exc. 06 FLH, FLT, FXST, FLST

WINDSHIELDS

SEATS & Sissy bars

LUGGAGE

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TIRES & WHEELS

CHASSIS

SUSPENSION

SHEET METAL

EXHAUST

FUEL & AIR Systems

ENGINE & OIL FILTERS

PRIMARY DRIVE

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GASKETS & HARDWARE

HANDLEBARS

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INDIAN & VICTORY

ANDREWS CRANKSHAFT SPROCKET

This gear will change your timing from $+4^{\circ}$ for more torque, to -4° for less compression and for easier starting.





HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	07-16	496177	54.50
Dyna	2006	496177	54.50



NEW!

FEULING® SPROCKET THRUST WASHER ALIGNMENT KIT

Camshaft sprocket spacing alignment/thrust washer kit. Fits TC 07-15 includes 06 Dyna, stock and stock replacment camshafts and conversion camshaft upgrades on 99-06 engines to the hydraulic chain tensioner system. Conversion camshafts use the late 07-15 style camplate and oil pump. Alignment washers are used to align the rear camshaft sprocket with the crank sprocket to achieve correct chain alignment. Kit includes front cam thrust washer 0.100, rear cam sprocket alignment washers 0.110, 0.120, 0.130, 0.140, 0.150.

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-06	488157	49.95
FXST, FLST	00-06	488157	49.95
FXD	99-05	488157	49.95





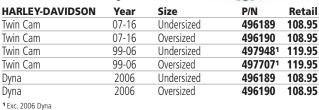
S&S® PINION GEARS FOR GEAR DRIVE ONLY

High quality gears precision-machined, heat-treated and finish ground to different sizes for optimum gear lash.

HARLEY-DAVIDSON	Year	Size	P/N	Retail
Twin Cam, Big Twin	99-16		498605	88.95
Twin Cam, Big Twin	99-16	Undersize	498606	97.95
Twin Cam, Big Twin	99-16	Double Undersize	497701	97.95
Twin Cam, Big Twin	99-16	Oversize	498607	97.95

S&S® OVERSIZED AND UNDERSIZED CAM GEARS

Due to machining variations in the stock cam plate, oversized or undersized gears may be needed to achieve correct gear lash.







NEW!

FEULING® SPROCKET ALIGNMENT KIT

Camshaft Sprocket spacers for 99-06 except 06 Dyna. Spacers fit stock and stock replacement early style camshafts and conversion camplates which update the early style camshafts to the late style hydraulic tension system. Conversion camplates use the original style 99-06 camshafts with the original style silent chain in the rear. Spacers are used to align the rear camshaft sprocket with the crank sprocket to achieve correct chain alignment. Kit includes one each of the following thickness spacers: 0.297, 0.307, 0.317, 0.327, 0.337, 0.347, 0.357.

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-06	488156	49.95
FXST, FLST	00-06	488156	49.95
FXD	99-05	488156	49.95





S&S® CAMSHAFT INSTALLATION KITS FOR GEAR DRIVE CAMS

Must-have kit when installing S&S® or Andrews gear-drive cams. Includes new cam bearings, cam bearing plate and cam cover gasket.

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	07-16	496187	44.95
Twin Cam	99-06	4996801	52.95
Dyna	2006	496187	44.95







S&S® CAM INSTALLATION KIT FOR CHAIN DRIVE CAMS

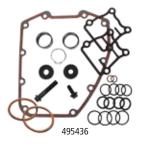
Chain drive cam only

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	07-16	493707	34.95
Twin Cam	99-06	4999591	90.95
Dyna	06-16	493707	34.95

1 Exc. 2006 FXD

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OFEULING





FEULING® CAM INSTALL QUICK CHANGE KIT

Cam Quick Change Kit

 Includes: gasket kit, bearing retainer plate, camplate bearings one roller and one ball bearing style, two inner cam bearings, cam/crank bolt/washer kit

Cam Quick Change + Top End Kit

 Includes: gasket kit, exhaust gaskets, bearing retainer plate, cam plate bearings one roller and one ball bearing style, two inner cam bearings, cam/crank bolt/washer kit

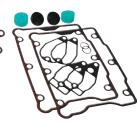
Quick Change Kit

1 Exc. 2006 Dyna

HARLEY-DAVIDSON	Year	Description	P/N	Retail
Twin Cam	07-16	Chain Drive	495436	94.95
Twin Cam	07-16	Gear Drive	495449	104.95
Twin Cam	99-06	Chain Drive	4818321	149.95
Twin Cam	99-06	Gear Drive	4954401	137.95
Twin Cam	99-06	Conversion Cam Kits	4881271	92.95
Dyna	06-16	Chain Drive	495436	94.95
Dyna	06-16	Gear Drive	495449	104.95
Dyna	99-05	Chain Drive	481832	149.95
Dyna	99-05	Conversion Cam Kits	488127	92.95
XL	07-16		488124	99.95
XL	04-06		488122	99.95
XL	91-03		488120	99.95







Quick Change Kit + Top End Kit

HARLEY-DAVIDSON	Year	Description	P/N	Retail
Twin Cam	07-16	Chain Drive	496831	123.95
Twin Cam	99-06	Chain Drive	4818331	182.95
Twin Cam	99-06	Gear Drive	4881261	163.95
Twin Cam	99-06	Conversion Cam Kits	4881281	121.95
Dyna	06-16	Chain Drive	496831	123.95
Dyna	99-05	Chain Drive	481833	182.95
Dyna	99-05	Gear Drive	488126	163.95
Dyna	99-05	Conversion Cam Kits	488128	121.95
XĹ	07-16		488125	149.95
XL	04-06		488123	149.95
XL	91-03		488121	199.95
1 Eve 2006 Duna				

1 Exc. 2006 Dyna

ANDREWS HIGH PERFORMANCE CAMS & GEARS





ANDREWS GEAR DRIVE INSTALLATION KIT FOR V-TWIN

- Includes gasket and bearings necessary to complete the installation of gear drive camshafts
- Gear drive camshafts use ball bearings on both shafts

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	07-16	494027	35.95
Twin Cam	99-06	4940101	39.95
FXD	2006	494027	35.95

1 Exc. 2006 Dyna



NEW!

ANDREWS REPLACEMENT BEARINGS FOR 99-06 TWIN CAMS

Replacement Cam Bearing, and needle bearings.

HARLEY-DAVIDSON	Year	Position	P/N	Retail
FLH	99-06	Outer	496178	13.51
FLH	99-06	Inner	496179	13.51
FXST, FLST	00-06	Outer	496178	13.51
FXST, FLST	00-06	Inner	496179	13.51
FXD	99-05	Outer	496178	13.51
FXD	99-05	Inner	496179	13.51

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PROVEN

S&S® HEAVY-DUTY CAM BEARING PLATE

- Recommended for use with all gear drive cams
- Included in S&S® complete gear drive cam kits

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-06	498604	7.25
FXST, FLST	00-06	498604	7.25
FXD	99-05	498604	7.25



FEULING® BEARING RETAINER PLATE FOR V-TWIN

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-06	495486	9.95
FXST, FLST	00-06	495486	9.95
FXD	99-05	495486	9.95



S&S® CAMS FOR 84-99 BIG TWINS

S&S® camshafts and other related valve train parts go through extensive dyno testing and usage on the track and street. Since many S&S® cams are high lift types, they are available with a cam only or in a kit with a set of the appropriate S&S® high-performance valve springs.

- Made in USA
- 508 CAM
- Bolt-in cam intended for stock engines with less than 10:1 compression ratio
- Quiet valvetrain with excellent low/mid range torque for touring and 2-up riding
- 510 CAM
- For engines up to 93 in. with no greater than 10:1 compression
- "Bolts-in" and works with stock or ported heads about a 10 horsepower gain over stock
- Horsepower gains similar to S&S® 502 cam but better low- and midrange torque
- Improved ramp design for guieter operation
- Valve spring spacing not required
- Other normal clearance checks recommended
- 561 CAM
- Works in all displacement Big Twin V2 with a variety of compression ratios
- Ideally suited for stock to 88 in. engines with up to 11:1 compression, 96 in. engines with 10:1 and 98 in. engines and larger with no greater than 9.5 to 1 compression

- Moderate duration makes for great mid-range performance
- Requires high-lift springs and normal clearance checks
- 585 CAM
- A versatile cam for engines with up to 10.5:1 compression ratio
- For 80 to 96 in. engines with 10:1-10.5:1 compression and larger engines with 9.5:1-10:1 compression ratios
- Provides a streetable combination of low end torque and top end horsepower
- This cam is used in the S&S® 111 in. Super Sidewinder™ Plus engines
- · Requires high-lift springs and normal clearance checks
- 600 CAM
- Originally designed for the legendary S&S® 40th Anniversary Engine
- The S&S® 600 cam has proven to be an exceptional cam in any large displacement engine with 9.5:1 to 10.5:1 compression and is the cam supplied in the 4-1/8 in. bore 117 in. Super Sidewinder™ Plus engine
- Good power across the RPM range
- Requires high-lift springs and normal clearance checks
- 640 CAM
- For large displacement motors with compression ratios of 10.5-11.5:1 or smaller motors with 11:1-12:1 compression ratio
- Does not require as much compression as the 631 and provides a more linear power delivery
- 3,000-6,000 rpm

HARLEY-DAVIDSON	Year	Cam Type	Timing Open Intake/ Exhaust	Timing Closed Intake/ Exhaust	Duration Intake/ Exhaust	Lift At TDC Intake/ Exhaust	Valve Lift	Spring Spacing Required	Lifters	P/N	Retail
Big Twin	84-99	508	11°/50°	25°/5°	217°/235°	.141"/.110"	.508"	No	Hydraulic	495498	149.95
Big Twin	84-99	510V	20°/52°	38°/20°	238°/252°	.187"/.178"	.510"	No	Hydraulic	498564	149.95
Big Twin	84-99	520	0°/50°	40°/2°	220°/232°	.086"/.094"	.520"	Yes	Hydraulic	498565	189.95
Big Twin	84-99	561	32°/50°	40°/26°	252°/256°	.252"/.210"	.560"	Yes	Hydraulic	498567	189.95
Big Twin	84-99	585	20°/60°	45°/20°	245°/260°	.186"/.180"	.585"	Yes	Hydraulic	498570	189.95
Big Twin	84-99	600	20°/60°	55°/20°	255°/260°	.192"/.184"	.600"	Yes	Hydraulic	498571	189.95
Big Twin	84-99	640	25°/65°	60°/20°	265°/265°	.222"/.192"	.640"	Yes	Hydraulic	497968	189.95

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ANDREWS CAMS FOR EVOLUTION BIG TWINS

- EV3 Grind/.495" Lif: Bolt-in performance for FXR-type bikes; This is a 6,000+ rpm cam with stock heads, springs and hydraulic lifters.
- EV13 Grind/.495" Lift: Bolt-in cam for street/touring use has more mid-range and top-end power over stock.
- EV23: Best used with stock compression ratio; Helps 96 cycles with 65-tooth sprockets; Crisp throttle response and strong pulling power from 1,500 to 6,000 rpm; Excellent cam for heavy-touring bikes and high-geared bikes; Works well in higher altitudes.
- EV27 Grind/.495" Lift: Bolt-in street cam with fast open and close ramps; Similar in timing to EV3 but designed to produce a very broad torque band; Excellent cam for full-dress touring bikes; Pulls 1,500 to 6,000 rpm.
- EV31: Super power for supercharged engines; Basically an EV27 cam with timing set for supercharges or big inch motors with 10.5+
- EV38: Lower lift exhaust for easier install: Dual-profile grind: light bikes, great mid-range to high power; Long exhaust cam result in lower oil temp; Pulls 2,200 to 6,000 rpm.

A THE
9

- EV46 Grind/.495" Lift: Bolt-in performance cam with fast open and close ramps; Similar to EV3 but with higher static compression pressure for 6,000+ rpm with stock heads and hydraulic lifters.
- EV51 Grind/.510" Lift: Easy installation with longer duration for modified street engines with hydraulic lifters and a 9/1+ compression
- EV59 Grind/.560" Lift: Upgraded cam with fast ramps for modified 80 and 88 in. motors; Use with AP springs and collars; Very broad power band; 6,000 rpm; May be used with hydraulic lifters.
- EV72: Upgraded EV7 for 92 in. + street motors; For use with Andrews springs and treated-steel collars; Very broad power band 2,800-6,000 rpm; Suitable for hydraulic lifters.
- Measurement of cam and pinion gears is especially critical for 90 and later models to verify proper fit

lower oil temp; Pulls 2,200 to 6,000 rpm.			Timing Open	Timing Closed				
HARLEY-DAVIDSON	Year	Туре	Intake/Exhaust	Intake/Exhaust	Duration	Lift	P/N	Retail
Evolution Big Twin	84-99	EV3	21°/43°	37°/15°	238°/238°	.495	494586	165.95
Evolution Big Twin	84-99	EV13	15°/45°	31°/13°	226°/238°	.485	494584	165.95
Evolution Big Twin	84-99	EV23	10°/40°	30°/8°	220°/228°	.498	494589	165.95
Evolution Big Twin	84-99	EV27	20°/46°	36°/14°	236°/240°	.495	494587	165.95
Evolution Big Twin	84-99	EV31	10°/52°	46°/08°	236°/240°	.495	495445	165.95
Evolution Big Twin	84-99	EV38	21°/52°	37°/20°	238°/252°	.495	494597	165.95
Evolution Big Twin	84-99	EV46	25°/49°	41°/17°	246°/246°	.495	494595	165.95
Evolution Big Twin	84-99	EV51	28°/54°	44°/22°	252°/256°	.510	494593	165.95
Evolution Big Twin	84-99	EV59	28°/56°	48°/24°	256°/260°	.560	494691	165.95
Evolution Big Twin	84-99	EV72	30°/60°	54°/28°	264°/268°	.560	494692	165.95



S&S® CAMS FOR 48-84 BIG TWIN MODELS

These camshafts are designed for performance upgrades in Panhead and Shovelhead engines with stock valve train; stock-style tappets, pushrods and rocker arms. It is important to differentiate these cams from cams for use with the S&S® hydraulic valve train upgrade kit, retro-conversion or replacement cylinder head kit for Panheads which use 84-99 style cams.

- These cams are all high lift with the exception of the 450S and require lift valve springs and clearance checks for installation
- Bolt-in hydraulic cam for 74 and 80 in. Shovelhead engines 66-79 and 83-84 (can be used in 81-82 models if cylinder heads are updated to late style valve guides)
- Can also be used as a low-end torque cam in modified Shovelhead engines up to 88 in. with compression ratios of up to 8:5.1
- Although designed for use with hydraulic tappets, the 450S can also be used with solid lifters; use with solids will result in more valve train noise, slightly higher cylinder pressure and slightly more torque

Type

450S

450S

450S

450S

514

514

514

514

560S

560S

560S

560S

78-84

70-77

66-69

48-65

78-84

70-77

66-69

48-65

78-84

70-77

66-69

48-65

Timing Open

Intake/Exhaust

18°/40°

18°/40°

18°/40°

18°/40°

23°/43°

23°/43°

23°/43°

23°/43°

20°/60°

20°/60°

20°/60°

20°/60°

Timing Closed

Intake/Exhaust

38°/18°

38°/18°

38°/18°

38°/18°

43°/23°

43°/23°

43°/23°

43°/23°

55°/20°

55°/20°

55°/20°

55°/20°

• 1,500-4,500 rpm

Shovelhead

Shovelhead

Shovelhead

Shovelhead

Shovelhead

Shovelhead

Shovelhead

Shovelhead

Shovelhead

Panhead

Panhead

Panhead

HARLEY-DAVIDSON Year



514 Cam

- For 84 to 93 in. strokers with no greater than 9:1 CR
- Best gains occur in the mid-range from 2,500 to 5,000 rpm where most riding is done
- Relatively quiet and easier on the valve train than most other cams with lifts as high
- Solid lifters or aftermarket hydraulic tappets are recommended, valve spring spacing and other normal clearancing checks required
- 2,500-5,000 rpm

560S Cam

Valve Duration

Intake/Exhaust

236°/238°

236°/238°

236°/238°

236°/238°

246°/246°

246°/246°

246°/246°

246°/246°

255°/260°

255°/260°

255°/260°

255°/260°

- For 88 to 103 in. engines between 9:1 to 10:1 CR, excellent power across the range
- Not recommended for stock displacement or lower compression engines
- Requires high-lift valve springs and normal clearance checks
- Solid lifters only
- 3,500-6,000 rpm

Lift at TDC

Intake/Exhaust

.151"/.145

.151"/.145

151"/.145

158"/.152'

.169"/.169

169"/.169

.169"/.169

.177"/.177

168"/.164"

.168"/.164'

.168"/.164

.176"/.176"

HILE
liana with ma anaatan than 0.1 CD

	Spring		
	s Spacing	Lifters	Valve
P/N	ed Required	Required	Lift
495491	lic No Bolt-In	Hydraulic	.453"
495490	lic No Bolt-In	Hydraulic	.453"
495489	lic No Bolt-In	Hydraulic	.453"
495489	lic No Bolt-In	Hydraulic	.475"
495494	Yes	Solid	.514"
495493	Yes	Solid	.514"
495492	Yes	Solid	.514"
495492	Yes	Solid	.540"
495497	Yes	Solid	.560"
495496	Yes	Solid	.560"
495495	Yes	Solid	.560"
495495	Yes	Solid	.587"

Spring

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& RAMPS

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ANDREWS CAMS FOR BIG TWINS

J Grind/.405" Lift: Mild Street, Panhead/Shovelhead, smooth idle, power throughout RPM range; Installs with no headwork; Recommended for use with hydraulics.

A2 Grind/.450" Lift: Street/Drag, more mid-range and top end power, idles smoothly; Will install in all

Shovelheads, except 80-81 models, with no headwork; Recommended for use with hydraulics. AB Grind/.450" Lift: "A" intake with a long duration exhaust for cooler running and more high-end power; Bolt-in street cam, except for 80-81; May be used with hydraulic lifters.

B2 Grind/.485" Lift: Street/Drag, much more mid-range and top end power, idles smoothly; Best choice

for modified 74 - 80 in. motors and small strokers; Spring spacing required. BH Grind/.450" Lift: Hydraulic tappet version of "B" cam; Usually bolts in but spring spacing may be required on 80-81 models.

1: Low compression piston version of an "A" grind cam for 74-80 engines with 7.5:1

2: Low compression version of a "B" grind cam; More power through RPM range for engines with 7.5 pistons.

7: Upgrade of original #6; Great street cam for 84/88 in. strokers; Maximum torque available from 2,200 to 6,500 rpm.

C: Best cam made for big street engines; Strokers from 84 to 96 in. will really turn on with this cam; 2,000 - 7,000+ rpm; Broad torque band from.

Note: Timing and duration measured at .053 cam lift. TDC Shovelhead lift listed; TDC Panhead lift is 5% more. Not legal for sale or use on California pollution controlled motor vehicles.



		_	Timing Open Intake/	Timing Closed Intake/	Duration Intake/	Lift Shovel Intake/	Lift Pan Intake/	Lift TDC Intake/	Springs		
Harley-Davidson	Year	Туре	Exhaust	Exhaust	Exhaust	Exhaust	Exhaust	Exhaust	(Intake)	P/N	Retail
Shovelhead	L78-84	2	15°/35°	35°/15°	230°	.49/.49	.512/.512	.133/.133	Hi-Lift	495653	166.95
Shovelhead	L78-84	7	29°/59°	53°/27°	262°/262°	.510/.510	.535/.535	.206/.186	Hi-Lift	495666	166.95
Shovelhead	L78-84	C	37°/61°	61°/37°	278°/278°	.525/.525	.550/.234	.234/.234	Hi-Lift	494492	166.95
Shovelhead	L77-84	J	21°/41°	41°/21°	242°/242°	.405/.405	.425/.425	.154/.154	Stock	494440	166.95
Shovelhead	L77-84	A2	19°/50°	43°/18°	242°/248°	.45/.45	.47/.47	.156/.142	Stock	494468	166.95
Shovelhead	L77-84	AB	21°/50°	43°/26°	244°/256°	.45/.45	.47/.47	.156/.170		494676	166.95
Shovelhead	L77-84	В2	26°/53°	50°/25°	256°/258°	.485/.485	.507/.507	.187/.176	Hi-Lift	494474	166.95
Shovelhead	L77-84	BH	24°/52°	52°/24°	256°/256°	.45/.45	.470/.470	.156/.156	Hi-Lift	494480	166.95
Shovelhead	L77-84	11	16°/36°	36°/16°	232°/232°	.427/.427	.45/.45	.136/.136	Stock	494456	166.95
Shovelhead	70-E77	J	21°/41°	41°/21°	242°/242°	.405/.405	.425/.425	.154/.154	Stock	494438	166.95
Shovelhead	70-E77	A2	19°/50°	43°/18°	242°/248°	.45/.45	.47/.47	.156/.142	Stock	494466	166.95
Shovelhead	70-E77	AB	21°/50°	43°/26°	244°/256°	.45/.45	.47/.47	.156/.170		494674	166.95
Shovelhead	70-E77	В2	26°/53°	50°/25°	256°/258°	.485/.485	.507/.507	.187/.176	Hi-Lift	494472	166.95
Shovelhead	70-E77	BH	24°/52°	52°/24°	256°/256°	.45/.45	.470/.470	.156/.156	Hi-Lift	494478	166.99
Shovelhead	70-E77	1	16°/36°	36°/16°	232°/232°	.427/.427	.45/.45	.136/.136	Stock	494454	166.95
Shovelhead	70-E77	2	15°/35°	35°/15°	230°	.49/.49	.512/.512	.133/.133	Hi-Lift	495499	166.95
Shovelhead	70-E77	7	29°/59°	53°/27°	262°/262°	.510/.510	.535/.535	.206/.186	Hi-Lift	495665	166.95
Shovelhead	70-E77	C	37°/61°	61°/37°	278°/278°	.525/.525	.550/.234	.234/.234	Hi-Lift	494490	166.95
Shovelhead	66-69	J	21°/41°	41°/21°	242°/242°	.405/.405	.425/.425	.154/.154	Stock	494436	166.95
Shovelhead	66-69	A2	19°/50°	43°/18°	242°/248°	.45/.45	.47/.47	.156/.142	Stock	496176	166.91
Shovelhead	66-69	AB	21°/50°	43°/26°	244°/256°	.45/.45	.47/.47	.156/.170	Stock	494672	166.99
Shovelhead	66-69	B2	26°/53°	50°/25°	256°/258°	.485/.485	.507/.507	.187/.176	Hi-Lift	495654	166.95
Shovelhead	66-69	2	15°/35°	35°/15°	230°	.49/.49	.512/.512	.133/.133	Hi-Lift	495501	166.95
Shovelhead	66-69	7	29°/59°	53°/27°	262°/266°	.510/.510	.535/.535	.206/.186	Hi-Lift	495664	166.95
Panhead	48-65	J	21°/41°	41°/21°	242°/242°	.405/.405	.425/.425	.154/.154	Stock	494436	166.95
Panhead	48-65	A2	19°/50°	43°/18°	242°/248°	.45/.45	.47/.47	.156/.142	Stock	496176	166.91
Panhead	48-65	AB	21°/50°	43°/26°	244°/256°	.45/.45	.47/.47	.156/.170	Stock	494672	166.99
Panhead	48-65	В2	26°/53°	50°/25°	256°/258°	.485/.485	.507/.507	.187/.176	Hi-Lift	495654	166.95
Panhead	48-65	2	15°/35°	35°/15°	230°	.49/.49	.512/.512	.133/.133	Hi-Lift	495501	166.95
Panhead	48-65	7	29°/59°	53°/27°	262°/266°	.510/.510	.535/.535	.206/.186	Hi-Lift	495664	166.95

S&S® CAMSHAFTS

Quality construction, made in-house by S&S® Cycle in Viola, WI.

Flathead power KN-Series engines

Higher lift and increased valve timing for better performance

This high-lift cam for modified Knuckle engines features .420 in. valve lift and increase duration for larger engines up to 93 in. and compression ratio of up to 8.5:1. Special high-lift valve springs are required.

 Intended for large displacement engines such as the 103 in. engines produced by the original Flathead Power company. .420 in. valve lift with longer duration than the KN420; special high-lift valve springs are required



			Timing	Timing				Spring Spacing	Lifters		
HARLEY-DAVIDSON	Year	Туре	Open	Closed	Duration	Valve Lift	Lift TDC	Required	Required	P/N	Retail
FL	36-47	KN420	31°/60°	55°/30°	266°/270°	.420"	.167"/.152"	Yes	Solid	498984	189.95
FL	36-47	KN421	38°/70°	62°/30°	280°/280°	.420"	.191"/.152"	Yes	Solid	498983	189.95



ANDREWS CAMS FOR KNUCKLE ENGINES

Amazing, but there are still a lot of Knuckle engines going strong. They have been around for more than 65 years. How many other bikes can make this kind of a claim for long life and durability.

- Stock Knuckle replacement cam
- For stock motors and restoring a classic engine, this is the cam to use S
- Bolt-in Knuckle performance cam for stock motors, smooth idle, strong pull to 6,000 rpm
- This cam is the Knuckle equivalent of a "B" cam in a Shovel motor
- K
- Knuckle performance cam for stroked motors; strong pull to 6,000 rpm
- This is the Knuckle equivalent of a "C" cam

			Timing Open	Timing Closed	Valve Duration	Valve	Lift			
HARLEY-DAVIDSON	Year	Type	Intake/Exhaust	Intake/Exhaust	Intake/Exhaust	Lift	at TDC	Springs	P/N	Retail
Big Twin	36-47	N	13°/44°	41°/16°	234°/240°	.348/.348	.089/.105	Stock	495417	178.95
Big Twin	36-47	S	27°/55°	55°/27°	262°/262°	.370/.370	.130/.130	Hi-Lift	495418	178.95
Big Twin	36-47	K	35°/63°	63°/35°	278°/278°	.368/.368	.368/.368	Hi-Lift	495419	178.95

ANDREWS CAMS FOR EVOLUTION SPORTSTERS

Bolt-in street cams for Evolution engines.

- Useable power to 6,000 rpm; No valve/valve interference; Stock springs and hydraulic lifters recommended
- Bolt-in power for 04 and later 883/1200 with stock springs and heads. Cams for 04-15 heads with more than .550 lift, may need valves, springs and collars
- Street/Drag for stock or modified Evolution engines. Higher idle speed necessary. Stock springs and hydraulic lifters recommended.
- Modified 1200s to 80 in. and/or high-compression pistons. Stock springs and hydraulic lifters are recommended. RPM range: 2,500-6,800.

NΩ

Cams for modified 1100-1200 models and stroked 883s with stock springs and hydraulic lifters. Great mid-range power, 2,000-6,000 rpm.

			Timing Open	riming Closea	Duration	LITT		
HARLEY-DAVIDSON	Year	Type	Intake/Exhaust	Intake/Exhaust	Intake/Exhaust	Intake/Exhaust	P/N	Retail
XL	00-16	N2	22°46°	38°/18°	240°/244°	.465/.440	494750	336.95
XL	91-99	N2	22°/46°	38°/18°	240°/244°	.465/.440	494638	336.95
XL	86-90	V2	22°/46°	38°/18°	240°/244°	.465/.440	494636	336.95
XL	04-16	N3	22°/43°	38°/11°	240°/234°	.465/.482	495448	336.95
XL	00-16	N4	30°/52°	46°/24°	256°/256°	.490/.490	494751	336.95
XL	91-99	N4	30°/52°	46°/24°	256°/256°	.490/.490	494642	336.95
XL	86-90	V4	30°/52°	46°/24°	256°/256°	.490/.490	494640	336.95
XL	00-16	N6	34°/56°	50°/28°	264°/264°	.500/.500	495669	336.95
XL	91-99	N6	34°/56°	50°/28°	264°/264°	.500/.500	495668	336.95
XL	86-90	V6	34°/56°	50°/28°	264°/264°	.500/.500	495667	336.95
XL	00-16	N8	32°/56°	44°/28°	256°/264°	.4900/.500	494752	336.95
XL	91-99	N8	32°/56°	44°/28°	256°/264°	.4900/.500	494646	336.95

ANDREWS CAMS FOR IRON HEAD SPORTSTERS

Bolt-in replacement cams for stock "P" or "Q" cams. More horsepower and torque with this great street grind.

- Stock springs will rev. to 7,000 rpm
- Street 900/1000: biggest cams available for no head work installation
- Stock springs suitable
- Great mid-range and upper-end power
- Street/Drags: stock or modified 900/1000 motors and strokers
- Big boost in torque over stock cams 2,000-7,500 rpm
- Stock springs suitable but checking valve and piston clearances is required

			Timing Open	Timing Closed	Duration	Valve Lift		
HARLEY-DAVIDSON	Year	Туре	Intake/Exhaust	Intake/Exhaust	Intake/Exhaust	Intake/Exhaust	P/N	Retail
XL	81-84	PB+	34°/43°	40°/31°	254°/254°	.410/.410	494498	419.95
XL	71-80	PB+	34°/43°	40°/31°	254°/254°	.410/.410	494496	438.95
XL	57-70	PB+	34°/43°	40°/31°	254°/254°	.410/.410	494494	455.95
XL	81-84	Υ	35°/53°	47°/29°	262°/262°	.425/.425	494506	419.95
XL	71-80	Υ	35°/53°	47°/29°	262°/262°	.425/.425	494504	438.95
XL	57-70	Υ	35°/53°	47°/29°	262°/262°	.425/.425	494502	455.95
XL	71-80	R5	33°/43°	41°/31°	254°/254°	.445/.445	494512	438.95





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1 Exc. 2006 Dyna



SONNAX® CAMSHAFT NEEDLE BEARINGS

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Twin Cam	07-16	9215	603217	10.95
Twin Cam	99-06	9198	601464 ¹	11.95
Big Twin	58-99	9058	603215	8.95
Dyna	2006	9215	603217	10.95
XĹ	L58-90	9057	603196	8.95

1 Exc. 2006 Dyna



S&S® OUTER CAM BEARING

HARLEY-DAVIDSON	
Twin Cam	

1 Exc. 2006 Dyna



Year	O.E.M.	P/N	Retail
99-06	8990	4959931	9.95



493971

493789

HARLEY-DAVIDSON Year O.E.M. P/N Retail Twin Cam 07-16 9215 493971 14.95 9198 4939651 8.95 Twin Cam 99-06 58-99 493789 Big Twin 9058 9.95 2006 9215 493971 14.95 Dyna

461374

JIMS® CAM BEARING

Inner Bearings

These American-made bearings are a must for any cam change or service.

S&S® CAMSHAFT NEEDLE BEARINGS

• O.E.M. 9215

1 Exc. 2006 Dyna







FEULING® CAM BEARINGS FOR V-TWIN

Note: Sold in pairs

Outer Cam Bearing (Gear Drive Only)

Timken® ball bearing style

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	99-06	4954821	49.95

Outer Cam Bearing (Chain Drive Only)

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	99-06	4818341	69.95

Inner Cam Bearing

Full needle Torrington® bearing

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	07-16	495484	24.95
Twin Cam	99-06	4954831	23.95
Dyna	2006	495484	24.95

1 Exc. 2006 Dyna





NEW! EXCLUSIVE

BIKER'S CHOICE® OUTER CAM BEARING

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Twin Cam	99-06	8990	603214 ¹	16.95
1 F 2006 D				

1 Exc. 2006 Dyna





Outer Bearing Kit

- Quality bearings that meet or exceed factory O.E.M. specifications
- Replaces O.E.M. 8983 and 8990A

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	00-06	4613721	67.95
Dyna	00-05	461372	67.95
1 Exc. 2006 Dyna			

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EASTERN CAMSHAFT BUSHING

· Factory replacement

Replaces O.E.M. 25344-99

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	99-16	603495	10.95



EASTERN CAM SHIMS FOR SPORTSTERS FOR V-TWIN

• Sold in packs of 10

α	n	Ξ″	,

.005			
HARLEY-DAVIDSON	Year	P/N	Retail
XL	52-03	603571	.69
WL	1932-73	603571	.69
.010"			
HARLEY-DAVIDSON	Year	P/N	Retail
XL	52-03	601709	6.50
WL	32-73	601709	6.50
.015"			
HARLEY-DAVIDSON	Year	P/N	Retail
XL	52-03	603572	.69
WL	32-73	603572	.69



EASTERN OHV CAM SHIMS FOR BIG TWINS FOR V-TWIN

Must have when changing out cams.
• Fits 36-99 OHV Big Twin

- · Sold in packs of five

Size	O.E.M.	P/N	Retail
0.050 in.	A-25550-36	603065	11.50
0.055 in.	A-25551-36	603066	11.50
0.060 in.	A-25552-36	603067	11.50
0.065 in.	A-25553-36	603068	11.50
0.070 in.	A-25554-36	603069	11.50
0.075 in.	A-25555-36	603070	11.50



EASTERN OUTER CAMSHAFT BUSHINGS FOR V-TWIN

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Big Twin	70-99	25581-70	4960761	19.95
K, XL	52-02	25586-37	603076	21.95
WL	37-73	25586-37	603076	21.95

1 Exc. Twin Cam



EXCLUSIVE

BIKER'S CHOICE® CAM GEAR THRUST WASHERS FOR V-TWIN

- Fits 58-99 Big Twin
- Sold in packs of five

The state of the s				
HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	58-98	25550-57	492763	20.95
FXST	84-99	25550-57	492763	20.95
FLST	86-99	25550-57	492763	20.95
FXD	91-98	25550-57	492763	20.95
FX	71-86	25550-57	492763	20.95
XL	58-90	25551-58	603585	16.95



603585

EASTERN CAM GEAR BUSHING KITS FOR V-TWIN

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	73-92	25577-73	603016	39.95
FLH	70-72	25577-70	603490	39.95
FXST	84-92	25577-73	603016	39.95
FLST	86-92	25577-73	603016	39.95
FXD	91-92	25577-73	603016	39.95
FX	71-86	25577-73	603016	39.95
FX	70-72	25577-70	603490	39.95
EL, FL	36-53	25577-36	603489	56.95
XL	77-85	25579-77	603492	99.95
XL	57-77	25579-57	603491	99.95

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EASTERN CAM BUSHING DOWEL PINS FOR V-TWIN

- .125" x 1/4"
- H-D®#275
- Sold in packs of 25

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	30-98	275	602999	6.50
FXST	84-99	275	602999	6.50
FLST	86-99	275	602999	6.50
FXD	91-98	275	602999	6.50
FX	71-86	275	602999	6.50
XL	52-90	275	602999	6.50



Top-quality seal for all models.

• Replaces O.E.M. 83162-51

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Big Twin	70-99	83162-51	461330	12.50





TWIN POWER DOUBLE LIP CAMSHAFT SEALS

· Sold in packs of five

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	70-98	4022	046023	3.79
FXST	84-99	4022	046023	3.79
FLST	86-99	4022	046023	3.79
FXD	91-98	4022	046023	3.79
FX	71-86	4022	046023	3.79





S&S® TAPPET GUIDES

These guides are now available on all S&S® engines and can be purchased separately to upgrade existing S&S® or stock Evolution-style engines.

• Machined from a solid aluminum billet Note: Will not fit S&S® special APP cases.

HARLEY-DAVIDSON	Year	Finish	P/N	Retail
Evolution Big Twin	84-99	Polished Billet	4985761	339.95
Evolution Big Twin	84-99	Wrinkle Black Cast	4839141	219.95
Evolution Big Twin	84-99	Natural Cast	4839151	199.95
Sportster	86-90	Natural Cast	483916	289.95

1 Fits 84-99 S&S® engines

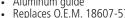


machining assures accuracy, while the billet material provides extra strength and dimensional stability over a wide temperature range.

- The nature of billet aluminum makes it a perfect choice for an application such as this where oil leaks cannot be tolerated
- Unlike cast aluminum, billet has none of the internal voids or impurities which are inherent in a casting
- Billet is not subject to residual internal stresses caused by thermal contraction of the metal as a casting cools

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-16	498599	199.95
FXST, FLST	00-16	498599	199.95
FXD	99-16	498599	199.95





•	Replaces	O.E.M.	1860	7-57

Neplaces O.L.IVI. 100	07-37	-		
HARLEY-DAVIDSON	Year	Finish	P/N	Retail
Sportster	57-85	Polished	461329	83.50

1032



TWIN POWER TAPPET GUIDE SETS FOR BIG TWIN

Polished and chrome-plated these Twin Power™ guides are made from cast aluminum and machined to O.E.M. specifications.

- Chrome-plated replacement tappet guides
 Includes chrome Allen screws
- · Sold in pairs

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	84-98	601590	169.50
FXST	84-99	601590	169.50
FLST	86-99	601590	169.50
FXD	91-98	601590	169.50
FX	84-86	601590	169.50



EXCLUSIVE

TWIN POWER TAPPET **GUIDES FOR SHOVELHEADS**

Made from chrome, these tappet guides are machined to accept late 76-84 retaining screws, 1/4 in.-20. They can also be used on 36-E76 engines with P/N 041602 Allen screw set and on L81-82 engines if tappet guide evacuation lines are removed.

Chrome-plated replacement tappet guides fit 66-84 Shovelhead models.

HARLEY-DAVIDSON	Year	Position	O.E.M.	P/N	Retail
Big Twin	66-E 81, 83-84	Front	18603-80A	601551	94.95
Big Twin	66-E81, 83-84	Rear	18602-80	601553	94.95





GARDNER-WESTCOTT TAPPET GUIDE HARDWARE

- Allen
- · Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH, FLT, FXST, FLST, FXD	99-16	040987	21.95
FLH, FLT, FXST, FLST, FXD, FXR	L76-99	041618 ¹	9.95
FL, FX	L76-84	041602	18.95

1 1/4-20 threads



S&S® HYDRAULIC LIFTER UPDATE KIT FOR SHOVELHEAD-STYLE ENGINES

- Complete kit to upgrade your Shovelhead to modern hydraulic lifters.

 Includes tappets, tappet guides, gaskets, hardware, pushrod cover keepers and a set of Quikee pushrods.
- Uses standard Evolution style tappets

Note: S&S® tappet guides and tappets must be used with an Evolution style camshaft.

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	66-84	496614	837.95
FLH	54-65	496614	837.95
FX	71-84	496614	837.95



TWIN POWER HYDRAULIC LIFTER UPDATE KIT FOR SHOVELHEAD-STYLE ENGINES

Converts Shovelheads to Evolution-style hydraulic lifters.

Compatible with any Panhead or Shovelhead cam

- Does not require Evolution cams
- Lifters have the proper .856 roller diameter with a big axle and full complement needle bearings, replacing the Evolution size roller (.994) which changes cam timing
- Kit has the following items: two billet aluminum polished or black tappets blocks, four hydraulic lifters with proper size rollers, four double adjuster pushrods, stainless steel hardware and all necessary gaskets
- Made in USA



Description	P/N	Retail
Polished	217731	538.95
Black	217732	573.95
Replacement Lifter, Set of 4	2177331	144.95

¹ Cannot be used with stock Shovelhead lifter blocks

AUDIO, VIDEO & NAVIGATION

INDIAN & VICTORY

WINDSHIELDS

SEATS & SISSY BARS

LUGGAGE

SECURITY & COVERS

TIRES & WHEELS

BRAKES

CHASSIS SUSPENSION

SHEET METAL

EXHAUST FUEL & AIR Systems

ENGINE & OIL FILTERS

PRIMARY DRIVE

TRANSMISSION & FINAL DRIVE

GASKETS &

HANDLEBARS & CONTROL

CABLES

FOOT CONTROL

INSTRUMENT & LIGHTING

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COLONY TAPPET HARDWARE KITS

Complete screw kits for O.E.M. replacement.

Chrome-plated

Made in USA



12 Point Style

HAKLEY-DAVIDSOI	v year	Size	P/N	Ketaii
Big Twin	76-99	1/4"-20	044261	11.99
Big Twin	L53-E76	1/4"-24	044075	10.99
Big Twin	L53-E76	1/4"-24	044262	² 12.99
2 Hannistala Japananalah lifes	u lana			

² Use with late model lifter base

Acorn

HARLEY-DAVIDSON	Year	Size	P/N	Retail
Big Twin	36-E76	1/4"-24	044114	24.99

Slotted CAD

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	36-53	043970	11.99
Flathead, Sportster	37-73	043970	111.99

1 Models with 45" engines



Allen Chrome

HARLEY-DAVIDSON	Year	Size	P/N	Retail
Twin Cam	99-16		044492	11.99
Big Twin	76-99	1/4"-20	044078	10.99
Sportster	57-90		044098	7.99

Hexed

HARLEY-DAVIDSON	Year	Size	P/N	Retai
Big Twin	L53-E76	1/4"-24	044252	16.99

Slotted Parkerized

HARLEY-DAVIDSON	Year	P/N Retail
Big Twin	36-53	044491 11.99
Flathead, Sportster	37-73	044491 ¹ 11.99





Allen Polished

HARLEY-DAVIDSON	Year	Size	P/N	Retail
Big Twin	76-99	1/4"-20	044079	12.99

Slotted Chrome

HARLEY-DAVIDSON	Year	P/N Retail
Big Twin	36-53	044208 12.99
Flathead, Sportster	37-73	044208112.99

1 Models with 45" engines



TWIN POWER HIGH-PERFORMANCE LIFTERS

Quality USA made lifters from Twin Power.

Sold in sets of four



Twin	Cam

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	99-16	4806651	109.95
Twin Cam	99-16	480673 ²	169.95
Sportster	00-16	4806651	109.95
Sportster	00-16	480673 ²	169.95

Stock Replacement

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	99-16	4806651	109.95
Twin Cam	99-16	480673 ²	169.95
Sportster	00-16	4806651	109.95
Sportster	00-16	480673 ²	169.95

Evolution

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	84-99	480668 ³	155.95
Big Twin	84-99	480667 ²	174.95
Sportster	86-90	4806641	155.95
Sportster	86-90	480667 ²	174.95

Sportster®

HARLEY-DAVIDSON	Year	P/N	Retail
Sportster	91-99	480666¹	99.95

2 (S TYPE) These lifters have a very slow leak down and will act like solid lifters maintaining full cam lift at all RPMS, allowing for much more RPM range and higher spring pressures.

³ Steel Body

S&S® PREMIUM HIGH-PERFORMANCE HYDRAULIC TAPPETS

Reduced valve train noise from start up to shut down. Close tolerances for low leak down rates; fast pump up and superior high-RPM performance. Low mass, bearing grade, silicone nitrate check ball and lighter check ball spring; enhances fast pump up and quiet operation.

100% tested to ensure that leak down and top end oil flow are within specification

Available with or without the HL2T limited travel kit installed

HARLEY-DAVIDSON	Year	Description	P/N	Retail
Big Twin	99-15	with HL2T	495979	289.95
Big Twin	99-15	without HL2T	495980	269.95
Big Twin	84-99	with HL2T	496797	286.95
Big Twin	84-99	without HL2T	496529	266.95
Sportster	00-15	with HL2T	495979	289.95
Sportster	00-15	without HL2T	495980	269.95
Sportster	86-90	with HL2T	496797	286.95
Sportster	86-90	without HL2T	496529	266.95





BIKER'S + CHOICE



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NEW

VANCE & HINES HYDRAULIC LIFTERS

- Tighter inner diameter grind for substantial lower leak down
- Feature direct lubrication to axle and roller needle bearings
- Allows use of higher spring pressure and increased RPM capability

HARLEY-DAVIDSON	YEAR	P/N	RETAIL
FLH	99-16	VH7100	239.99
FXST, FLST	00-16	VH7100	239.99
FXD	99-16	VH7100	239.99







FEULING® RACE SERIES HYDRAULIC LIFTERS FOR V-TWIN

Fueling® recommends Race Series® lifters for engines running higher than 185 lbs. valve spring seat pressure. Fueling® recommends the use of a high-volume oil pump, which will result in quieter, better performing lifters. Race Series® lifters are compatible with either Feuling® HP+® or Race Series® oil pumps and are designed for use with both street and strip engines. Spin-Tron dyno developed and track proven.

- Full-travel hydraulic lifters are machined from a steel body and designed to exceed the needs of large lift camshafts and higher valve spring pressures with a slower bleed down rate
- Race Series® lifters maintain proper oil flow to the top end, increase engine RPM, valve-train stability, decreasing valve float promoting maximum valve lift
- Available in oversized diameters
- Made in USA
- Sold in sets of four

HARLEY-DAVIDSON	Year	Description	P/N	Retail
FLH	99-16	Standard Dia.	496494	269.95
FXST, FLST	00-16	Standard Dia.	496494	269.95
FXD	99-16	Standard Dia.	496494	269.95
XL	00-16	Standard Dia.	496494	269.95
FLH	99-16	Oversized Dia.		
		(0.843"-0.8435")	481835	269.95
FXST, FLST	00-16	Oversized Dia.		
		(0.843"-0.8435")	481835	269.95
FXD	99-16	Oversized Dia.		
		(0.843"-0.8435")	481835	269.95
XL	00-16	Oversized Dia.		
		(0.843"-0.8435")	481835	269.95
FLH	99-16	Oversized Dia.		
		(0.8435"-0.844")	481836	269.95
FXST, FLST	00-16	Oversized Dia.		
		(0.8435"-0.844")	481836	269.95
FXD	99-16	Oversized Dia.		
		(0.8435"-0.844")	481836	269.95
XL	00-16	Oversized Dia.		
		(0.8435"-0.844")	481836	269.95





S&S® HYDRAULIC LIFTER LIMITED TRAVEL SPACER

S&S® HL2T spacer is designed to limit the range of travel of the hydraulic tappet plunger in the Evolution Sportster, Big Twin and Twin Cam engines. Spacer is recommended for engines equipped with stronger valve springs and aggressive cam profiles.

- Fits 84-85 Big Twin; 03-12 Big Twin; 00-12 XL;
 S&S® Tappets for 84-12 Big Twin; S&S® Tappets for 00-12 XL
- Made in USA
- Sold in sets of four



P/N	Retail
493870	19.95



S&S® HYDRAULIC TAPPET SET

Low-mass, bearing-grade, silicon-nitride check ball and lighter check ball spring, enhances fast pump up and quiet operation. 100% tested to ensure that leak down and top end oil flow are within specification.

- Reduced valve train noise from start up to shut down
- Close tolerances for low leak down rates, fast pump up and superior high-RPM performance

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-16	496611	129.95
FXST, FLST	00-16	496611	129.95
FXD	99-16	496611	129.95
XL	00-16	496611	129.95





FEULING® HP+ LIFTERS FOR V-TWIN

Performance hydraulic roller lifters. Recommended for use with the Feuling® oil pump or comparable high-volume oil pump.

- Optimized oil flow to top end–valves, springs, rockers, shafts and valve guides
- · Cooler oil and reduced wear
- · Extends life of top-end valve gear
- CNC-machined and precision ground
- Drop in replacement for stock lifters
- Dyno developed and track tested
- Made in USA
- Sold in sets of four



HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	99-16	499101	159.95
Evolution Big Twin	85-99	495434	209.95
XL	00-16	499101	159.95
XL	91-99	495441	169.95
XL	86-90	495434	209.95
BUELL			
Buell	91-99	495441	169.95

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FEULING FEULING

FEULING® RACE SERIES SOLID LIFTERS FOR V-TWIN

Designed for engines with radical valve spring pressures and large lift camshafts. Optimizes valve-train stability at high RPM, decrease valve float.

- Maintains maximum valve lift, increase horsepower and torque output
 Made from hardened-steel, CNC-machined and precision ground with 0.700 in. diameter rollers
- Maintains proper and critical oil flow to top end with metered oiling
- Utilizes standard pushrod seat height. Feuling recommends the use of #4070 Race Series® adjustable pushrods or comparable heavy duty adjustable pushrods
- Recommended for both strip and high performance street engines
- For best results Feuling recommends the use of a high volume oil pump
- Made in USA
- Sold in sets of four



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-16	481837	269.95
FXST, FLST	00-16	481837	269.95
FXD	99-16	481837	269.95
XL	00-16	481837	269.95



- Increased top end oiling
- Oiling to axle, roller and cam assembly
- · New axle material, roller and bearings for longevity
- Increased roller width, increased dynamic load capability
- The total dynamic load capacities have been increased over 30% straight across the board
- The lubrication capacities for the hydraulic unit and valve train (top end), have a 10% increase; roller, cams and cam bearing lubrication capacities have increased 100% (increased cooling)
- Hand sized to .0001 in. hydraulic clearance
- Made in USA



FEULING® RACE SERIES LIFTERS FOR EVO

Machined from a steel body and are designed with precision tolerances and a slower bleed down rate increasing valve-train stability when used with large lift camshafts and heavy valve spring pressures.

- with large lift camshafts and heavy valve spring pressures.

 Feuling® Race Series lifters are full travel hydraulics with big axles designed to decrease valve float and promote maximum valve lift
- Sold in sets of four

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	85-98	481838	269.95
FXST	85-99	481838	269.95
FLST	86-99	481838	269.95
FXD	91-98	481838	269.95
XL	86-90	481838	269.95



BIKER'S & CHOICE

JIMS® POWERGLIDE STEADY ROLL TAPPETS

The JIMS® tappet roller is the only one of its kind and we can virtually guarantee the exclusive use of them will eliminate the problem of needle rollers and pieces damaging the engine. This failsafe design means even if the bushing wears out, it will be retained in the tappet assembly. Our made in USA tappet roller assemblies are available for both Twin Cam and Evolution® engines.

HARLEY-DAVIDSON	Year	O.D.		P/N	Retail
Twin Cam	99-16	.8420		461234	123.50
Twin Cam	99-16	.8420	+.010	461235	149.50
Evolution	84-99	.8425		461232	99.50
Evolution	84-99	.8425	+.010	461233	113.95
XL	00-16	.8420		461234	123.50
XL	00-16	.8420	+.010	461235	149.50
XL	86-90	.8425		461232	99.50
XL	86-90	.8425	+.010	461233	113.95
BUELL					
Buell	00-13	.8420		461234	123.50
Buell	00-13	.8420	+.005	461235	149.50
Buell	87-90	.8425		461232	99.50
Buell	87-90	.8425	+.005	461233	113.95

HARLEY-DAVIDSON	Year	Description	P/N	Retail
FLH	99-15	Hydraulic Tappet	461100	119.50
FXST, FLST	00-15	Hydraulic Tappet	461100	119.50
FXD	99-15	Hydraulic Tappet	461100	119.50
XL	00-15	Hydraulic Tappet	461100	119.50
FLH	99-15	Hydraulic Tappet Oversized +0.005	461328	134.50
FXST, FLST	00-15	Hydraulic Tappet Oversized +0.005	461328	134.50
FXD	99-15	Hydraulic Tappet Oversized +0.005	461328	134.50
XL	00-15	Hydraulic Tappet Oversized +0.005	461328	134.50
FLH	99-15	Hydraulic Tappet Oversized +0.010	461036	144.50
FXST, FLST	00-15	Hydraulic Tappet Oversized +0.010	461036	144.50
FXD	99-15	Hydraulic Tappet Oversized +0.010	461036	144.50
XL	00-15	Hydraulic Tappet Oversized +0.010	461036	144.50

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JIMS® BIG AXLE **POWERGLIDE TAPPETS**

- 85% more stability than O.E.M.-style
- · Made in USA
- · Sold individually



HARLEY-DAVIDSON	Year	Description	O.E.M.	P/N	Retail
Big Twin	84-99	with Hydraulic Lifters	18523-86	496105	100.95
Big Twin	84-99	with Hydraulic Lifters +.00	5	496107	108.35
Big Twin	53-84	•		496170	122.95
XL	86-90		18523-86	496105	100.95
XL	86-90	+.005		496107	108.35



Turns into a solid lifter above 5,600 rpm

- Adds up to six more horsepower
- Made in USA
- Sold individually



HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	99-16	461103	117.95
Evolution Big Twin	84-99	4961151	116.50
Sportster	00-16	461103	117.95
Sportster	86-90	496115	116.50
BUELL			
Buell	00-16	461103	117.95
Buell	87-90	496115	116.50
1 STD			





Non-adjustable pushrods with adjustable lifter adaptors.

- Includes adaptors for converting 53-84-style hydraulic lifters to adjustable solids
- Adjuster screw in the lifter adaptors
- Cylinder length: Stock 5.330 in.
- Fits 66-84 Big Twin

HARLEY-DAVIDSON	Year	P/N	Retail
HARLE I-DAVIDSON	ieai	F/IN	netaii
FLH	66-84	498425	109.95
FX	71-84	498425	109.95



Made in USA Sold individually

JIMS® TAPPETS

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Big Twin	53-84	18522-53	496163	78.50
Big Twin	53-84		4961641	85.95
Sportster	57-85		461344	86.95

1 + 005



S&S® TAPPETS FOR KNUCKLEHEAD ENGINES

Redesigned for easier and safer adjustment and no more broken tappet guides from tightening adjusters.

- With the added wrench flat at the top of the tappet, you can safely and securely hold the tappet while setting and locking down the adjuster screw and nut
- Includes adjusting screw and locking nut
- Fits 36-47 H-D® Knucklehead engines and S&S® KN-Series engines for 36-47 chassis.
- Two different tappets are used in each engine
- Tappets for the intake valves are slightly shorter than tappets for the exhaust valves
- Sold in set of four

HARLEY-DAVIDSON	Year	Size	P/N	Retail
EL	36-47	STD	498898	269.95
EL	36-47	+.005	498899	309.95

S&S® TAPPETS FOR 29-73 SV BIG TWINS

High-quality IKO roller bearings with 100% CNC-machined from carbon nitride 8018 steel.

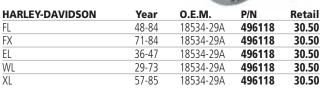
- Includes lifter body wrench flat to reduce stress to guide, tappet and bearing during adjustment
- Includes adjusting screw and nut
- Made in USA
- Flathead 45, 74 and 80 in. side valve engines
- Sold in set of four



HARLEY-DAVIDSON	Year	Size	P/N	Retail
WL	29-73	+.005	498982	309.95

JIMS® TAPPET ROLLERS

- Made from 52100 bearing material with 4340 chrome-moly axle
- · Sold individually





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EASTERN TAPPET ROLLERS

· Sold in packs of four

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Big Twin	29-84	18534-29A	603509	15.95
XL	52-85	18534-29A	603509	15.95



BIKER'S CHOICE® TAPPET CONVERTERS FOR V-TWIN

- O.E.M. hydraulic tappets convert to solids using stock pushrods
- Sold in set of four

HARLEY-DAVIDSON	Year	P/N Retail
FL	53-84	609003 16.09
FX	71-84	609003 16.09





JIMS® TAPPET LOCK NUTS

9/32 in.-32 thread

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
EL, FL	1915-84	18570-38	496167	12.50
FX	71-84	18570-38	496167	12.50
XL	52-85	18570-38	496167	12.50





S&S® QUICKEE PUSHROD AND COVER KIT

Everything you need to convert a Harley-Davidson® Twin Cam™ 88 in. or Twin Cam™ 96 in. to adjustable pushrods.

- Kit will accommodate all displacements from 88 to 124 in.
- Kit includes: Quickee pushrod kit, chrome pushrod covers, O-rings and cover keepers
- Design permits a simple, trouble free installation that does not require removal of the gas tank, rocker assemblies or even the tappet cover
- Can be installed or removed from an assembled engine

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	99-16	493889	224.95
Sportster	04-16	495981	249.95



EASTERN TAPPET ASSEMBLIES FOR V-TWIN

HARLEY-DAVIDSON	Year	Size	O.E.M.	P/N	Retail
Big Twin	48-52	STD.	18492-48	603023	64.95
Sportster	57-85			603479	56.95

Tappet Body Only

HARLEY-DAVIDSON	Year	Size	O.E.M.	P/N	Retail
Big Twin	53-84	STD.	18522-53A	603027	54.95
Big Twin	53-84	+.005"		603028	54.95



SCREWS FOR V-TWIN

Sold in packs of four

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FL	48-52	18555-36	603030	26.95
EL	36-47	18555-36	603030	26.95





COLONY LOCK NUTS FOR V-TWIN

- Split type with 9/32 in.-32 threads
- Sold in packs of four

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail		
EL, FL	1915-84	18570-38	044284	8.99		
FX	71-84	18570-38	044284	8.99		
XL	52-85	18570-38	044284	8.99		







209.95

S&S® ADJUSTABLE PUSHROD KIT

High-quality pushrods and lifter kit.

- Includes everything to convert stock pushrods to adjustable
- Kits includes pushrods, covers, retainer clips, gaskets and O-rings
- Pushrods are manufactured from rigid chrome-moly steel tubing HARLEY-DAVIDSON Year P/N Retail 99-16 499961 179.95 Twin Cam

04-16

495982

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 $\overline{\mathsf{XL}}$





S&S® ADJUSTABLE PUSHRODS

- Made of 7/16 in. OD chrome-moly steel tubing for strength and durability
- Includes four adjustable-style steel pushrods
- Replaces stock, non-adjustable stock as well as high-performance applications
- Compatible with hydraulic and solid lifters

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	99-16	4985781	109.95
Big Twin	84-99	498579	109.95
XL	91-16	498581	109.95
XL	86-90	498580	109.95

¹ Requires 84-99 Big Twin-style pushrod covers



S&S® QUICKEE PUSHRODS

Threaded adjuster screws into the pushrod until the threads disengage and the adjuster simply slides into the pushrod making installation or removal a snap. Ball ends of the pushrods are drilled in all versions except those for use with stock Shovelhead rocker arms so that oil can flow through the pushrod.

- For access to adjuster unit, S&S® Pushrod Covers or similar aftermarket product must be used on Twin Cam motors
- Can be installed or removed from an assembled engine

Note: Designed for use with Evolution and Twin Cam[™] 88 style hydraulic tappets. They are not compatible with stock or aftermarket Shovelhead hydraulic tappet or most solid style tappets.

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	99-16	497215 ¹	159.95
Evolution Big Twin	84-99	497216 ²	159.95
Shovelhead	66-84	497217 ³	159.95
XL	86-16	4972151	159.95

- Requires 84-99 Big Twin-style pushrod covers
 80"-124" models exc. 103", 100" & 111"
- 3 Stock Rocker Arms



ANDREWS ADJUSTABLE PUSHRODS FOR V-TWIN

- Must have for easy cam changes
- No interference, 7/16 in. diameter for strength
- Offered in T-6 aluminum or chrome moly
- Cut-out O.E.M. rods for easy removal and installation of EZ-install pushrods
- Sold in sets of four

Aluminium

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Twin Cam	99-16		498668	135.95
Evolution Big Twin	84-99	17900-84A	494604	135.95
Sportster	91-16		494753	135.95
Sportster	57-85		494532	76.99

Chrome Moly Steel

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Twin Cam	99-16		498669	135.95
Evolution Big Twin	84-99	17900-87	494606	135.95
Shovelhead	66-84		494526	103.95
Sportster	91-16		494754	135.95
Sportster	57-85		494528	76.99

Andrews EZ-Install Pushrods

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	99-16	494706 ¹	194.95
Twin Cam	99-15	494705 ²	194.95
Evolution Big Twin	84-99	494527 ¹	194.95
Evolution Big Twin	84-99	494529 ²	194.95

- 1 Chrome-moly
- ² Aluminum





VANCE & HINES ADJUSTABLE PUSHRODS

- Hardened and tempered 4130 chromoly
- Designed for high-stress and extreme spring pressures 7/16" x 0.095" single taper 5/16" x 24 TPI
- Witness markings for quick install and precise adjustment

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-16	VH7097	229.99
FXST, FLST	00-16	VH7097	229.99
FXD	99-16	VH7097	229.99



HARLEY-DAVIDSON	Year	P/N	Retail
Sportster	91-03	494598	76.99

AUDIO, VIDEO & NAVIGATION

INDIAN & VICTORY

WINDSHIELDS

SEATS & SISSY BARS

LUGGAGE

SECURITY & COVERS

TIRES & WHEELS

BRAKES

CHASSIS

SUSPENSION

SHEET METAL

EXHAUST

FUEL & AIR Systems

ENGINE & OIL FILTERS

PRIMARY DRIVE

TRANSMISSION & FINAL DRIVE

GASKETS &

HANDLEBARS & CONTROL

CABLES

FOOT CONTROL

INSTRUMENT

ELECTRICAL

TRAILERS

CHEMICALS & LUBES

GENERAL ACCESSORIES & DISPLAY

CROSS REFERENCE

INDIAN & VICTORY

WINDSHIELDS

SEATS & SISSY BARS

LUGGAGE

SECURITY & COVERS

TIRES 8 WHEELS

BRAKES

CHASSIS

SUSPENSION

SHEET METAL

EXHAUST

FUEL & AIR SYSTEMS

ENGINE &

PRIMARY DRIVE

TRANSMISSION & FINAL DRIVE

GASKETS & HARDWARE

HANDLEBARS

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& LUBES

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OFEULING



FEULING® FAST INSTALL PUSHROD STUD Replacement stud for FAST INSTALL pushrods

P/N Retail 488152 4.95

with 32 threads per inch.

NEW



FEULING® ADJUSTABLE PUSHRODS

Increased stiffness and column rigidity maximizing valve-train stability, increasing engine RPM horsepower and torque output. Designed to exceed the needs of performance engines using larger lift camshafts and high spring pressures, while maintaining proper and critical oil flow to valves, springs, rockers, shafts and valve guides.

Made from 7/16 in. chrome moly steel tube, uses a minimal

- adjustment parameter eliminating the flex and loss of valve trainstability problems associated with most adjustable pushrods
- Maintain maximum valve lift
- Can be used with hydraulic or solid lifters and street or race engines
- CNC-machined, standard wall thickness .095 in.
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-15	495192	199.95
FXST, FLST	00-15	495192	199.95
FXD	99-15	495192	199.95



FEULING® FAST INSTALL ADJUSTABLE **PUSHRODS FOR V-TWIN**

Made from the same great design as the regular install Feuling® adjustable pushrods but feature a slightly shorter tapered tube and come disassembled allowing the engine builder to install the pushrods without removing the top rocker box.

- Features a dual jam nut locking system and includes Feuling® P/N 495437 which is a tool to hold the pushrod tubes up and out of the way while adjusting the pushrods
- Can be used with the factory pushrod tubes and are the longest Fast Install® pushrods available on the market
 Uses separate lengths for intake and exhaust which keeps the
- adjustment area to a minimum creating a Fast Install® pushrod with maximum rigidity promoting maximum valve lift

HARLEY-DAVIDSON	Year	Thickness	P/N	Retail
Twin Cam	99-16	0.095"	481840	239.95
Evolution Big Twins	84-99	0.095"	481841	239.95

FEULING® REPLACEMENT PUSHROD NUT FOR V-TWIN

Fits all Feuling® 32-thread pushrods

Sold individually

P/N	Retail
481842	6.39





FEULING® HP+ FIXED LENGTH SPORTSTER PUSHRODS FOR V-TWIN

Maximum rigidity HP+® fixed length chrome moly one piece pushrods, 3/8 in. tube with 0.065 in. wall thickness and hardened ball ends.

• Intake length is 0.040 in. shorter than stock

HARLEY-DAVIDSON	Year	P/N	Retail
XL	91-03	481839	149.95



JIMS® PUSHROD SET

These adjustable pushrods are strong, light, and made from heat-treated aluminum with heat-treated steel ends. These are among the lightest pushrods on the market, weighing-in at about .67 grams. They work with stock or custom pushrod tubes and with cylinders up to .200 in. taller

- No disassembly of the top end, or removal of the cam is required
- For Twin Cam 88 models and .73 grams for Evolution models
- Made in USA

P/N Retail 461335 264.95

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RIVERA PRIMO TAPER-LITE PUSH RODS FOR V-TWIN

- Designed to be installed without removing the gas tank, rocker box assembly or camshaft cover and assembly
 Manufactured of 4130 steel with hardened ball ends and a 3/8 in.-40 aircraft quality adjuster
- · Sold in sets of four

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	99-16	060411	169.95
Evolution Big Twin	84-99	060209	159.95
Shovelhead	70-84	060588	159.95



BENDER CYCLE PUSHROD KIT FOR V-TWIN

- Chrome-moly
- Seamless DOM 4130 steel tubing will not flex under the highest valve spring pressure
- 7/16 in OD eliminates pushrod tube rubbing
- Adjusters with 5/16 in., 32-thread for precise adjustment and press-in adaptors reduce valve train noise

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	66-84	609009	72.87
FX	71-84	609009	72.87



HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Shovelhead	66-84	17904-66	044157	68.99
Panhead	1948-52	17905-53	044111	52.99
Sportster	57-85	17904-57	044112	52.99



BENDER CYCLE ALUMINUM PUSHROD KIT FOR V-TWIN

- Kits convert O.E.M. hydraulic tappets into solids while substantially reducing valve train weight
- Includes four aluminum pushrods and four tappet converters

HARLEY-DAVIDSON	Year	P/N	Retail
Shovelhead	66-84	609006	46.96
Panhead	53-65	609004	46.96



Complete Sets

HARLEY-DAVIDSON	Year	P/N	Retail
Sportster	91-03	044350 ²	136.99

Upper Sets

- Chrome-plated
- Replacement covers for use with cork type seals

Year	P/N	Retail
99-16	044577 ¹	47.99
66-99	044154	47.99
48-65	044153	47.99
40-47	044154	47.99
57-85	044153	47.99
	99-16 66-99 48-65 40-47	99-16 044577¹ 66-99 044154 48-65 044153 40-47 044154

Lower Sets

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	99-16	043907 ¹	73.99
Big Twin	84-99	044434	63.99
Big Twin	66-84	044251 ³	47.99
Big Twin	48-78	044192	61.99
Sportster	86-90	044434	63.99

Custom Billet Lower Sets

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	1948-78	044115	58.99

Inner

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	36-79	044183	32.99
Sportster	57-85	044183	32.99

1 With Upper Clips

² Conversion Kit

AUDIO, VIDEO & NAVIGATION

INDIAN & VICTORY

WINDSHIELDS

SEATS & SISSY BARS

LUGGAGE

SECURITY & COVERS

TIRES & WHEELS

BRAKES

CHASSIS

SUSPENSION

SHEET METAL

EXHAUST

FUEL & AIR Systems

ENGINE & OIL FILTERS

PRIMARY DRIVE

TRANSMISSION & FINAL DRIVE

GASKETS &

HANDLEBARS & CONTROL

CABLES

FOOT CONTROL

INSTRUMENT & LIGHTING

ELECTRICAL

TRAILERS & RAMPS

CHEMICALS & LUBES

GENERAL ACCESSORIES & DISPLAY

CROSS REFERENCE

³ With .200" Longer Cylinders

INDIAN & VICTORY

WINDSHIELDS

SEATS & SISSY BARS

LUGGAGE

SECURITY & COVERS

> TIRES & WHEELS

BRAKES

CHASSIS

SUSPENSION

SHEET METAL

EXHAUST

FUEL & AIR SYSTEMS

ENGINE & OIL FILTERS

PRIMARY DRIVE

TRANSMISSION & FINAL DRIVE

> **GASKETS &** HARDWARE

HANDLEBARS & CONTROL

> CABLES FOOT

CONTROL INSTRUMENT

& LIGHTING

ELECTRICAL

CHARGERS

TRAILERS & RAMPS

CHEMICALS & LUBES

TOOLS & SUPPLIES

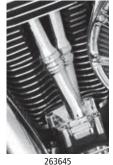
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ARLEN NESS





263718 263646

• Machined from 6061 T-6 billet aluminum

ARLEN NESS PUSHROD COVERS

- Lower tubes allow easy access for adjustable pushrods
- Each kit consists of lower tubes, spring cups, top clips and all necessary seals
- Requires use of the O.E.M. inner tubes, springs and washers

HARLEY-DAVIDSON	Year	Finish	Deep Cut	Retail	10-Gauge	Retail
FLH, FLT, FXST,						
FLST, FXD	99-16	Chrome	263718	259.95	263645	199.95
FLH, FLT, FXST,						
FLST, FXD	99-16	Black	263719	259.95	263646	199.95

TWIN POWER O-RING TYPE **LOWER PUSHROD COVERS**

Twin Power™ O-Ring Type Lower Pushrod Covers are precision-drawn steel with specially formed ends for use with quad seals and O-rings. They are chrome-plated.

Sold as set of four

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Shovelhead	L79-84	17938-79	492633	28.95





S&S® PUSHROD COVERS AND SPRINGS

· Sold in sets of four

Note: Does not include O-rings or clips.

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	84-98	499649	139.95
FXST	84-99	499649	139.95
FLST	86-99	499649	139.95
FXD	91-98	499649	139.95
FXR	84-94	499649	139.95
XL	86-90	499649	139.95

S&S® PUSHROD COVER ADAPTOR

Designed to convert stock 91-03 crankcases to accept 86-90 style pushrod cover assemblies in order to allow access to adjustable pushrods.

Sold in sets of four

HARLEY-DAVIDSON	Year	P/N	Retail
XL	91-03	484038	40.95



TWIN POWER PUSHROD COVER KITS

Chrome plated O.E.M.-style replacement pushrod cover kits.

- Includes lower covers, inner tubes, springs, spring washers, spring covers and spring caps
- O-rings must be ordered separately

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	99-16	4903091	73.95
Evolution Big Twin	84-99	420620	91.50
Big Twin	L79-84	490310	77.95
Big Twin	66-E79	490311	73.95
Sportster	04-16	488754	84.95

1 Compatible with adjustable pushrods



S&S® PUSHROD KEEPER SETS

- S&S Cycle chromed steel pushrod cover keeper set for stock 2004-up Sportster models and other custom engines
- 2.600 in. long
- Sold in sets of four

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2.700			
HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	36-16	483982	27.95
Sportster	86-16	483982	27.95
2.600"			
HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	36-16	497476	27.95
Sportster	86-16	497476	27.95
3.100"			
HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	36-16	499375	27.95
Sportster	86-16	499375	27.95
3.200"			
HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	36-16	499376	27.95
Sportster	86-16	499376	27.95
4.250"			
HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	36-16	483983	54.95
Sportster	86-16	483983	54.95
3.330"			
HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	36-16	499377	27.95
Sportster	86-16	499377	27.95

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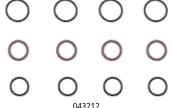


TWIN POWER UPPER PUSHROD COVER SET

These cover sets are chrome-plated and are great replacement covers for use with cork type seals.

Chrome-plated replacement

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FL	48-65	17950-48	044152	29.50
XL	57-E79	17950-48	044152	29.50



NEW! EXCLUSIVE

TWIN POWER PUSHROD SEAL KIT

- · Tube corks and O-rings
- · Made in USA
- · Retail priced individually



HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH, FLT, FXST, FLST, FXD, FXR	84-16	3507-Set	043212	3.95
FLH, FXR, FX	L81-84		043215	5.50
FLH, FXR, FX	L79-E81		043214	4.50
EL, FL, FLH, FX	48-78	17955-48	043213	5.50
XL	04-16		043218	13.50
XL	91-03		043217	12.50
XL	86-90	3507-Set	043212	3.95
XL	57-E84		043216	8.99



EASTERN PUSHROD COVER SPRING WASHERS FOR V-TWIN

O.E.M.-type replacement washers.

HARLEY-DAVIDSON	Year	O.E.M.	Center	Retail	Lower	Retail
EL, FL, FLH, FLT, FXST, FLS	ST,					
FXD, FXR, FX, XL	36-03	6762B	492635	6.50		
FLH, FLT, FXST, FLST,						
FXD, FXR	84-99	6737			215578	9.95
XL	86-90	6737			215578	9.95





S&S® PUSHROD O-RING KIT

For O-ring style bottom cover.

Includes all parts for four pushrods: top, middle and bottom O-rings

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	84-16	496615	6.65
FXST	84-16	496615	6.65
FLST	86-16	496615	6.65
FXD	91-16	496615	6.65
FXR	82-94	496615	6.65
FX	71-86	496615	6.65
XL	86-90	496615	6.65



S&S® FORGED ROLLER ROCKER ARMS

Forged steel roller rocker arms were designed for superior strength. Forged from 8620 steel, heat-treated and then shot peened for additional strength and protection from fatigue.

3/4 in. long bronze bushings

- Features a modified lubrication system with unrestricted roller oiling
- Includes two front and rear rocker arms

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	84-16	499957	478.95
FXST	84-16	499957	478.95
FLST	86-16	499957	478.95
FXD	91-16	499957	478.95
FXR	84-94	499957	478.95
XL	86-016	499957	478.95

Rebuilt Kit for the Forged steel roller rocker arms, which were designed for superior strength. Forged from 8620 steel, heat-treated and then shot peened for additional strength and protection from fatigue.

P/N	Retail	
483923	119.95	

AUDIO, VIDEO & NAVIGATION

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WINDSHIELDS

SEATS & SISSY BARS

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TIRES & WHEELS

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FUEL & AIR Systems

ENGINE & OIL FILTERS

PRIMARY DRIVE

TRANSMISSION & FINAL DRIVE

GASKETS & Hardware

HANDLEBARS & CONTROL

CABLES

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INSTRUMENT & LIGHTING

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CHEMICALS & LUBES

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EXHAUST

FUEL & AIR SYSTEMS ENGINE & OIL FILTERS

PRIMARY DRIVE

TRANSMISSION & FINAL DRIVE

HANDLEBARS

CABLES

F00T

XL

CONTROL
INSTRUMENT
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TRAILERS & RAMPS

CHEMICALS & LUBES

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S&S® STANDARD FORGED ROCKER ARMS

Economical solution for stock rebuilds and mild performance upgrades.

- Forged from 8620 steel, heat-treated and then shot peened for additional strength and protection from fatigue
- Features the same .750 in. long rocker shaft bushings as S&S® roller rockers
- Longer bushings provides 50% more load bearing area than the .500 in. long bushings used in stock and other aftermarket rocker arms
- Valve contact tips are carbonized for extended durability
- Recommended for cams of .585 in. lift or less
- Includes two each front and rear rocker arms

Complete Set

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	84-16	498600	249.95
FXST	84-16	498600	249.95
FLST	86-16	498600	249.95
FXD	91-16	498600	249.95
FXR	82-94	498600	249.95
FX	71-86	498600	249.95
XL	86-16	498600	249.95

Rear Exhaust or Front Intake Kit

- 3/4 in. long brass bushing provides 50% more load bearing area than the 1/2 in. long bushings used in stock and other aftermarket rocker arms
- Valve contact tips are induction-hardened for durability
- Made in USA

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	84-16	412643	74.95
FXST	84-16	412643	74.95
FLST	86-16	412643	74.95
FXD	91-16	412643	74.95
FXR	82-94	412643	74.95
FX	71-86	412643	74.95

86-16

Front Exhaust or Rear Intake Kit

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	84-16	484050	74.95
FXST	84-16	484050	74.95
FLST	86-16	484050	74.95
FXD	91-16	484050	74.95
FXR	82-94	484050	74.95
FX	71-86	484050	74.95
XL	86-16	484050	74.95



412643

74.95

JIMS® ROCKER ARM LOCK RINGS

State of the art lock rings, will hold up to 2000 psi.

- Made in USA
- · Sold in packs of eight

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	66-84	461331	7.00
FX	71-84	461331	7.00





S&S® ROLLER ROCKER ARMS FOR SHOVELHEAD-STYLE ENGINES

Forged from 8620 steel heat-treated and shot-peened for maximum strength, strongest rocker arm available.

- Roller tip reduces side thrusting on valve stem in high lift applications .750 in. long bushings provide 50% more load bearing area than stock style rocker arms
- Can be oiled through pushrods when used with S&S® Shovelhead style tappet guides and pushrods
- 1.5:1 rocker ratio
- Compatible with stock or S&S® billet rocker boxes
- Includes two each front and rear rocker arms

HARLEY-DAVIDSON	Year	Description	P/N	Retail
FLH	66-84	Rocker Arms	496617	498.95
FLH	66-84	Rebuild Kit	483924	117.95
FX	71-84	Rocker Arms	496617	498.95
FX	71-84	Rebuild Kit	483924	117.95



JIMS® ROLLER ROCKER KITS

Lightest rocker arm available with superior strength characteristics.

- 1.625 ratio
- · Comes with bronze bushings for long wear
- Has bearing grade steel roller tips
- Sold in sets of four

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	84-16	496152	670.50
FXST	84-16	496152	670.50
FLST	86-16	496152	670.50
FXD	91-16	496152	670.50
FXR	82-94	496152	670.50
FX	71-86	496152	670.50
XL	86-16	496152	670.50





TWIN POWER ROCKER ARMS

A high-quality replacement rocker arm for 66-84 Shovelhead models from Twin Power. Manufactured to O.E.M. specifications and tolerances.

HARLEY-DAVIDSON	Year	Туре	O.E.M.	P/N	Retail
Shovelhead	66-84	Front Intake			
		or Rear Exhaust	17360-66	492860	41.50
Shovelhead	66-84	Rear Intake or Front Exhaust	17375-66	492861	41.50

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HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	84-16	499956	34.95
Sportster	86-16	499956	34.95



Sold individually

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	84-16	497011	10.45
Big Twin	66-84	497401 ¹	22.95
Sportster	86-16	497011	10.45

1 Only for S&S rocker boxes



DELKRON BILLET TWIN CAM ROCKER ARM SUPPORTS FOR V-TWIN

- · Made of 6061-T6 billet aluminum, doubling the strength of a die-cast part
- The rocker arms move out .030 in. so the rocker hits in the middle of the longer valve stems used on head modifications for high-lift cams

 • Available in stock configurations
- Fits 99-15 Twin Cam and all Delkron rocker boxes
- Sold in pairs

Description	P/N	Retail
Twin Cam, 0.030 Over	200611	338.99
Twin Cam, Stock	200613	338.99



NEW! EXCLUSIVE

TWIN POWER™ BREATHER HOUSING SET

- Precision machined from billet aluminum for a leak proof seal
- Includes Viton coated steel gaskets, umbrellas, and oil separators
- Reduced oil carryover over stock units

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-16	216492	118.95
FXST, FLST	00-16	216492	118.95
FXD	99-16	216492	118.95





JIMS® ROCKER SHAFT

Sold individually

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Big Twin	84-16	17611-83	496175	28.00
Big Twin	66-84	17611-66B	461230	77.75
XL	86-16	17611-83	496175	28.00
XL	57-85	17435-57B	461231	72.20



HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	84-16	17611-83	609047	9.99
FXST	84-16	17611-83	609047	9.99
FLST	86-16	17611-83	609047	9.99
FXD	91-16	17611-83	609047	9.99
FXR	82-94	17611-83	609047	9.99
FX	71-86	17611-83	609047	9.99
XL	86-16	17611-83	609047	9.99



when using high-lift cams and springs

Replaces factory cast part perfectly

Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-16	216491	304.95
FXST, FLST	00-16	216491	304.95
FXD	99-16	216491	304.95



NEW! EXCLUSIVE

TWIN POWER™ ROCKER SUPPORT BREATHER HARDWARE

Includes all necessary grade 8 hardware for one engine installation.

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-16	216493	12.50
FXST, FLST	00-16	216493	12.50
FXD	99-16	216493	12.50

AUDIO, VIDEO & NAVIGATION

INDIAN & VICTORY

WINDSHIELDS

SEATS & SISSY BARS

LUGGAGE

SECURITY & COVERS

TIRES & WHEELS

BRAKES

CHASSIS

SUSPENSION

SHEET METAL

EXHAUST FUEL & AIR Systems

ENGINE & OIL FILTERS

PRIMARY DRIVE

TRANSMISSION & FINAL DRIVE

GASKETS &

HANDLEBARS & CONTROL

CABLES

FOOT CONTROL

INSTRUMENT & LIGHTING

ELECTRICAL

TRAILERS & RAMPS

CHEMICALS & LUBES

TOOLS & SUPPLIES

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> INDIAN & VICTORY

WINDSHIELDS

SEATS & SISSY BARS

LUGGAGE

SECURITY & COVERS

TIRES & WHEELS

BRAKES

CHASSIS

SUSPENSION

SHEET METAL

EXHAUST

FUEL & AIR SYSTEMS ENGINE & OIL FILTERS

PRIMARY DRIVE

TRANSMISSION

& FINAL DRIVE

HARDWARE

HANDLEBARS & CONTROL

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AILERS



EASTERN ROCKER SHAFT SHIMS FOR V-TWIN

· Sold in packs of 10

HARLEY-DAVIDSON	Year	Size	P/N	Retail
FLH	66-84	0.005"	601703	6.50
FLH	66-84	0.007"	601704	7.50
FLH	66-84	0.015"	601705	6.50
FX	71-84	0.005"	601703	6.50
FX	71-84	0.007"	601704	7.50
FX	71-84	0.015"	601705	6.50
XL	57-85	0.005"	601703	6.50
XL	57-85	0.007"	601704	7.50
XL	57-85	0.015"	601705	6.50





COLONY ROCKER SHAFT CUSTOM HARDWARE KITS FOR V-TWIN

Acorn

HARLEY-DAVIDSON	Year	Finish	P/N	Retail
FLH	66-84	Chrome	044269	11.99
FLH	66-84	CAD	044027	8.99
FX	71-84	Chrome	044269	11.99
FX	71-84	CAD	044027	8.99
XL	57-85	Chrome	044269	11.99
XL	57-85	CAD	044027	8.99



NEW!

COLONY CAP ROCKER SHAFT KIT

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Shovelhead	66-84	7872	044239	11.99
Sportster	57-85	7872	044239	11.99



GARDNER-WESTCOTT ROCKER SHAFT PLUGS FOR V-TWIN

- H-D®#17448-71A
- · Made in USA





Gardner-Westcott Company



GARDNER-WESTCOTT O.E.M. STYLE ROCKER BOX HARDWARE FOR V-TWIN

- O.E.M.-style replacement screw or nut kits
- Includes grade 8 internal hardware and chrome-plated outside screws and washers
- Fits Evolution XL, Big Twin
- Made in USA



P/N	Retail
041153	57.95

COLONY ROCKER SHAFT END PLUGS FOR V-TWIN

Knucklehead style rocker shaft end plugs replace stock plugs.

Chrome-plated finish



HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail	
FLH, FX	L71-84	17448-71A	044120	33.99	
XL	L71-85	17448-71A	044120	33.99	

COLONY HEX ROCKER SHAFT END PLUGS

- Made in USA
- · Sold in a set of four



HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH, FX	L71-84	17448-71A	044256	31.99
XL	L71-85	17448-71A	044256	31.99





S&S® ROCKER ARM BUSHING

Rocker Arm Bushing for S&S forged rocker arms.

- 3/4 in. long
- Made in UŠA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	84-99	497074	3.25
FXST	84-99	497074	3.25
FLST	86-99	497074	3.25
FXD	91-99	497074	3.25
FXR	82-94	497074	3.25
XL	86-13	497074	3.25

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COLONY O.E.M. STYLE ROCKER SHAFT PLUG AND NUT KITS FOR V-TWIN

Allen					
HARLEY-DAVIDSON	Year	O.E.M.	Finish	P/N	Retail
Shovelhead	L71-84	17448-71A	Chrome	044236	38.99
Shovelhead	66-E71	17448-57	CAD	044021	30.99
Sportster	L71-85	17448-71A	Chrome	044236	38.99
Sportster	57-E71	17448-57	CAD	044021	30.99

Slotted					
HARLEY-DAVIDSON	Year	O.E.M.	Finish	P/N	Retail
Shovelhead	66-E71	17448-57	Chrome	044235	38.99
Shovelhead	66-E71	17448-57	CAD	044019	30.99
Sportster	57-E71	17448-57	Chrome	044235	38.99
Sportster	57-E71	17448-57	CAD	044019	30.99

End Plugs Only

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Shovelhead	66-E71	17448-57	044121	33.99
Sportster	57-E71	17448-57	044121	33.99

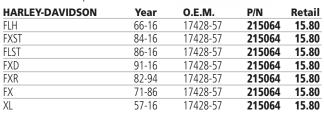
Slotted with 1/2"-20 Threads

HARLEY-DAVIDSON	Year	O.E.M.	Finish	P/N	Retail
Shovelhead	66-E71	17448-57	Chrome	043871	41.99
Shovelhead	66-E71	17448-57	CAD	043872	33.99
Sportster	57-E71	17448-57	Chrome	043871	41.99
Sportster	57-E71	17448-57	CAD	043872	33.99



EASTERN ROCKER ARM BUSHINGS FOR V-TWIN

• Direct O.E.M. replacement







JIMS® ROCKER ARM BUSHINGS

Replacement bushings made from solid bronze bar stock.

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	85-15	461327	47.50
Big Twin	66-84	461326	49.50
Sportster	86-15	461327	47.50
Sportster	57-85	461326	49.50

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SEATS & SISSY BARS

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TIRES & Wheels

BRAKES

CHASSIS

SUSPENSION

SHEET METAL

EXHAUST

FUEL & AIR Systems

ENGINE & OIL FILTERS

PRIMARY DRIVE

TRANSMISSION & FINAL DRIVE

GASKETS & Hardware

HANDLEBARS & CONTROL

CABLES

FOOT CONTROL

INSTRUMENT & LIGHTING

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FOOT CONTROL

INSTRUMENT & LIGHTING

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PERFORMANCE MACHINE SCALLOP COVERS

The PM Scallop Cover Line will put the devil in the details from front to rear and top to bottom with every cover possible. Each Scallop cover features timeless styled machined cut scallops with the iconic PM logo.

Made in USA

			Timing		Rocker		Ignition	
HARLEY-DAVIDSON	Year	Finish	Cover	Retail	Box Cover	Retail	Cover	Retail
Twin Cam	99-17	Chrome					PM32361,2	99.95
Twin Cam	99-17	Contrast Cut					PM32351,2	99.95
Twin Cam	99-17	Black Ops					PM32371,2	99.95
Twin Cam	01-17	Chrome	PM3217 ²	329.95	PM3221 ²	499.95		
Twin Cam	01-17	Contrast Cut	PM3215 ²	329.95	PM3219 ²	499.95		
Twin Cam	01-17	Black Ops	PM3218 ²	329.95	PM3222 ²	499.95		
Twin Cam	01-17	Contrast Cut Platinum	PM3216 ²	329.95	PM3220 ²	499.95		
Big Twin	70-99	Chrome					PM3239	99.95
Big Twin	70-99	Contrast Cut					PM3238	99.95
Big Twin	70-99	Black Ops					PM3240	99.95
Sportster	70-99	Chrome					PM3239	99.95
Sportster	70-99	Contrast Cut					PM3238	99.95
Sportster	70-99	Black Ops					PM3240	99.95

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¹ 5 Hole ² Exc. Milwaukee 8



PERFORMANCE MACHINE DRIVE COVERS

The Drive Cover Line's hot rod styling is quintessetially a big part of PM's cool blood. The Drive's composition are speed lines that start and finish fast with a modest bevel to the corners. Simple, yet aggressive, bold yet elegant.

Made in the USA

			Timing		Rocker	
HARLEY-DAVIDSON	Year	Finish	Cover	Retail	Box Cover	Retail
Twin Cam	01-17	Contrast Cut	PM32411	329.95	PM32451	499.95
Twin Cam	01-17	Contrast Cut Platinum	PM32421	329.95	PM32461	499.95
Twin Cam	01-17	Chrome	PM32431	329.95	PM32471	499.95
Twin Cam	01-17	Black Ops	PM32441	329.95	PM32481	499.95
1 Exc. Milwaukee 8		•				





Machine.com

NEW!

PERFORMANCE MACHINE FORMULA COVERS

The Formula design was born from the concept of a contemporary simplistic composition that pays homage to the early lightweight spoke race wheels. We adopted those sexy cues from the Formula wheel and engineered a set of engine and drivetrain covers to match. These CNC-machined covers feature streamlined spokes stemming from the center for an unforgettable impression. Like our other cover lines, these ship to you with gaskets and hardware for a nice D.I.Y. install.

- CNC-machined from billet aluminum
- Available in chrome and contrast cut
- PM design family of matching covers For use with H-D® Twin Cam models
- Hardware and gaskets included
- · Made in USA

			Timing		Rocker Box	
HARLEY-DAVIDSON	Year	Finish	Covers	Retail	Cover	Retail
Twin Cam	01-17	Chrome	PM36851	329.95		
Twin Cam	01-17	Contrast Cut	PM36841	329.95		
Twin Cam	99-17	Chrome			PM36831	499.95
Twin Cam	99-17	Contrast Cut			PM36821	499.95

1 Fxc. Milwaukee 8

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BRAKES

CHASSIS

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TRANSMISSION & FINAL DRIVE

GASKETS &

HANDLEBARS & CONTROL

CABLES

F00T CONTROL

INSTRUMENT & LIGHTING

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Chrome



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Rocker Box Covers Sportster



Contrast Cut



Black



Black





Contrast Cut

Chrome





Chrome





Black Ops

Machine Ops









Chrome

Contrast Cut

Machine Ops

ROLAND SANDS DESIGN® NOSTALGIA COVERS

MOTORCYCLES + PARTS + LEATHERS

Ignition Cover

Designed as a direct replacement for your stock Timing/Cam cover.

Laser-engraved RSD Logo

- Chrome hardware included
- Gasket included
- Made in USA

Rocker Box Cover

Designed as a direct replacement for your stock Timing/Cam cover.

Laser-engraved RSD Logo

Black

- Chrome hardware included
- Gasket included
- Made in USA
- Sold as a pair

Cam Cover

Designed as a direct replacement for your stock Timing/Cam cover.

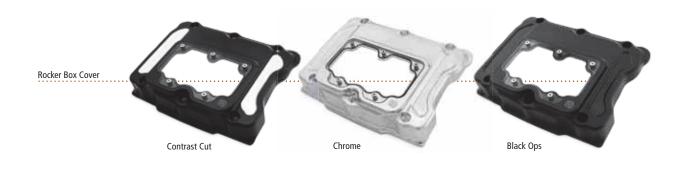
Laser-engraved RSD Logo

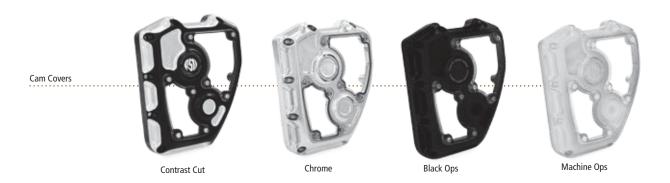
- Chrome hardware included
- Gasket included
- Made in USA

HARLEY-DAVIDSON	Year	Finish	Bolt Pattern	Ignition Cover	Retail	Rocker Box Cover	Retail	Cam Cover	Retail
Twin Cam	01-17	Black Anodized	5 Hole	RD3188 ²	99.95	RD3169 ²	499.95	RD31631,2	329.95
Twin Cam	01-17	Contrast Cut	5 Hole	RD3189 ²	109.95	RD3197 ²	599.95	RD31641,2	339.95
Twin Cam	01-17	Chrome	5 Hole	RD3190 ²	99.95	RD3170 ²	599.95	RD31651,2	329.95
Twin Cam	01-17	Black Ops	5 Hole	RD3192 ²	99.95	RD3198 ²	599.95	RD31671,2	329.95
Twin Cam	01-17	Machine Ops				RD3199 ²	599.95	RD31681,2	339.95
Twin Cam	01-17	Polished				RD3171 ²	599.00	RD31661,2	329.95
Big Twin	70-99	Black Anodized	2 Hole	RD3183	99.95				
Big Twin	70-99	Contrast Cut	2 Hole	RD3184	109.95				
Big Twin	70-99	Chrome	2 Hole	RD3185	99.95				
Big Twin	70-99	Black Ops	2 Hole	RD3187	99.95				
Sportster	04-17	Black Anodized	2 Hole	RD3183	99.95	RD3200	519.95		
Sportster	04-17	Contrast Cut	2 Hole	RD3184	109.95	RD3201	519.95		
Sportster	04-17	Chrome	2 Hole	RD3185	99.95	RD3202	519.95		
Sportster	04-16	Black Ops	2 Hole	RD3187	99.95	RD3203	519.95		
Sportster	04-12	Machine Ops				RD3204	519.95		

² Exc. Milwaukee 8 ¹ Exc. 14-16 FXDL

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Cam Covers FL Touring

Contrast Cut





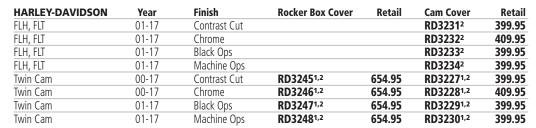


Machine Ops

ROLAND SANDS DESIGN® CLARITY COVERS

RSD Contrast Cut product starts with a finely machined polished and black anodized part which is re-machined to bring out the design highlights. Close attention is paid to machine pattern and quality to ensure the best and cleanest machine work.

- Allows for viewing of internal engine components
- Direct replacement for your stock Timing/Cam cover
- CNC-machined from billet aluminum and polycarbonate
- Machined RSD Logo
- All mounting hardware included
- Gasket included
- Matching Clarity Air Cleaner and Derby Cover available



¹ Exc. 14-16 FXDL

AUDIO, VIDEO & NAVIGATION

INDIAN & VICTORY

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LUGGAGE

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Roland Sands Design

MOTORCYCLES + PARTS + LEATHERS

² Exc. Milwaukee 8

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ENGINE & OIL FILTERS PRIMARY DRIVE

TRANSMISSION

& FINAL DRIVE **GASKETS &** HARDWARE

HANDLEBARS & CONTROL

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ARLEN NESS

NEW!

ARLEN NESS DRESS-UP PACKAGES

- Save time and money dressing up your touring model
- Each 10-Gauge kit includes: Pushrod Covers, Transmission Side Cover (cable or hydraulic style), Top Cover, Cam Cover, Lifter Block Covers and Rocker Box Top Covers
- All accessories in the kit are machined from billet aluminum
- · Chrome or black anodized Finish

HARLEY-DAVIDSON	Year	Finish	P/N	Retail
FLH	14-16	Chrome	264197 ^{1,2}	1449.95
FLH	14-16	Black	264195 ^{1,2}	1449.95
FLH	07-13	Chrome	264198 ²	1449.95
FLH	07-13	Black	264196 ²	1449.95
FLHR	07-17	Chrome	264198 ²	1449.95
FLHR	07-17	Black	264196 ²	1449.95
FXST, FLST	07-17	Chrome	264198	1449.95
FXST, FLST	07-17	Black	264196	1449.95
FXD	06-17	Chrome	264198	1449.95
FXD	06-17	Black	264196	1449.95
1 Exc. 14-up FLHR 2 Exc. Milwaukee 8				









ARLEN NESS CAM COVERS

- · Machined from 6061 T-6 forged aluminum
- Replaces O.E.M. die-cast cam cover
- Includes necessary gaskets and hardware

		10-Gauge		10-Gauge	
HARLEY-DAVIDSON	Year	Chrome	Retail	Black	Retail
Twin Cam	01-17	2636531	269.95	2636541	269.95

1 Exc. Milwaukee 8



HARLEY-DAVIDSON	Year	10-Gauge Chrome	Retail	10-Gauge Black	Retail
Twin Cam	99-17	2636731	449.95	263674¹	449.95

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1 Exc. Milwaukee 8



S&S® CHROME DIE-CAST ROCKER COVER KITS

- Highest quality castings
- Accepts valve springs up to 1.660 OD and .710 valve heights
- Includes Viton® O-rings, all necessary hardware and gaskets required for installation
- Fits 80 in. up to 145 in. motors
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	99-16	499687	649.95
Big Twin	84-99	499688	649.95
XL	86-03	499688	649.95

Gasket

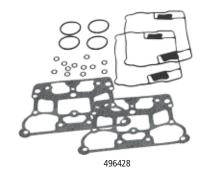
• Gasket Kit for S&S® die-cast rocker covers

99-17

HARLEY-DAVIDSON	Year	Finish	Size	P/N	Retail
Twin Cam	99-17	Die Cast	4-1/8" Bore	4964281,2	51.95
Big Twin	84-99	Die Cast		496603	64.95
Big Twin	84-99	Billet		493486	59.95
XL	86-17	Die Cast		496603	64.95
XL	86-17	Billet		493486	59.95
Bottom Only					
HARLEY-DAVIDSON	Year			P/N	Retail

Twin Cam 1 88" models



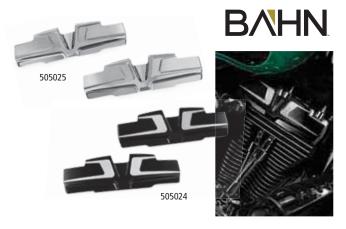






484053²

205.95



BAHN™ ROCKER COVER ACCENTS

Bahn's™ line of accessories give your bike that perfect amount of style it needs to stand apart on the streets.

- Designed to give the right side of the engine's rocker boxes a bold, custom appearance without the hassle of complete replacement covers
- Installation utilizes high-strength 3M VHB adhesive that can withstand
- temperatures up to 500° F and does not require rocker cover removal Bahn™ Rocker Cover Accents do not need to be removed for top-end motor maintenance once installed

HARLEY-DAVIDSON	Year	Color	Mfg/N	P/N	Retail
FLH	99-16	Chrome	6921	505025	169.99
FLH	99-16	Black	6920	505024	169.99
FXST, FLST	00-17	Chrome	6921	505025	169.99
FXST, FLST	00-17	Black	6920	505024	169.99
FXD	99-17	Chrome	6921	505025	169.99
FXD	99-17	Black	6920	505024	169.99



BIKER'S CHOICE® ROCKER BOXES FOR V-TWIN

Chrome-plated, die-cast rocker box sets.

- P/N 489725 is designed to be used with an umbrella valve
- Gaskets included
- Sold as a set

HARLEY-DAVIDSON	Year	P/N	Retail
Evolution Big Twin	92-99	489725	399.95
Evolution Big Twin	84-99	4897241	399.95
Evoluton XL	86-03	489724	399.95

¹ Custom models

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ENGINE & OIL FILTERS

PRIMARY DRIVE

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² Exc. Milwaukee 8

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PRIMARY DRIVE

TRANSMISSION & FINAL DRIVE

GASKETS & HARDWARE

HANDLEBARS

CABLES

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CHARGERS

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GENERAL ACCESSORIES & DISPLAY

CROSS REFERENCE



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216706







STEVENSON'S CYCLE **SPLIT ROCKER BOXES FOR SHOVELHEAD**

Total revolutionary way to modify your Shovelhead. Stop spending hours welding and machining the old boxes and then manufacturing all the parts. The Shovelhead is one of the coolest looking motors ever produced and splitting the rocker boxes makes it look that much cooler.

- Fit's all 66-84 Shovelhead motors and all aftermarket motors using the same type of rocker box
- Available in raw metal, polished or chrome finish Exterior copper oil line kit with machined rocker shaft nuts are sold separately, in case another top end oiling feed is planned
- Can be used with the S&S® hydraulic lifter update kit P/N 496614, S&S® Shovelhead rocker arms P/N 496617 and a Evolution cam, to oil the top end through the pushrods

HARLEY-DAVIDSON	Year	Finish	P/N	Retail
FLH	66-84	Raw	216706	625.00
FLH	66-84	Chrome	216707	695.00
FLH	66-84	Polished	216708	675.00
FX	71-84	Raw	216706	625.00
FX	71-84	Chrome	216707	695.00
FX	71-84	Polished	216708	675.00

Oil Line Kit

P/N	Retail
216709	175.00





S&S® PANHEAD ROCKER COVERS

- Chrome covers for S&S® Pan Style heads
- · Made in USA

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	48-65	496188	134.95

D-Ring Set			
HARLEY-DAVIDSON	Year	P/N	Retail
Bia Twin	48-65	496207	53.95



S&S® ROCKER COVERS FOR SHOVELHEAD-STYLE ENGINES

CNC-machined from 6061-T6511 aluminum billets and polished to a show finish. Two-piece design allows removal and installation in some

- Top and bottom are sealed with O-ring type seal for leak free operation
- Can be used with stock-style rocker arms or S&S® Shovelhead-style roller rocker arms
- Top-end oil can be supplied through stock Shovelhead oil fitting or through pushrods when used with S&S® tappet guides and pushrods
- Exclusive S&S® design uses economical straight rocker shafts
- Clearance for valve lifts of up to .590 in. with S&S® roller rocker arms
- Includes front and rear rocker boxes with rocker shafts

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	66-84	496616	795.95
FX	71-84	496616	795.95



BIKER'S CHOICE® ROCKER BOXES FOR SHOVELHEAD

- Rocker covers include rocker arm cover stud spacers.
- Replacement for H-D® O.E.M. #15716-77B, 1517-77B, 15818-80, 15719-80, 17550-80, 17552-80

HARLEY-DAVIDSON	Year	Finish	P/N	Retail
FLH	66-84	Chrome	601540	522.95
FLH	66-84	Polished	601820	429.95
FX	71-84	Chrome	601540	522.95
FX	71-84	Polished	601820	429.95

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PAUGHCO



PAUGHCO PANHEAD ROCKER COVERS

- Alternative to stock Rocker Arm overs
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FL. FLH	48-65	599291	125.95

D-Rings

- Felt pad sold separately
- Sold in pairs

HARLEY-DAVIDSON	Year	P/N	Retail
FL, FLH	48-65	598897	50.95

Bolt Kit

- Chrome
- 10-24 x 1-1/4"

HARLEY-DAVIDSON	Year	P/N	Retail	
FL, FLH	48-65	590504	22.95	



EXCLUSIVE

BIKER'S CHOICE® CYLINDER HEAD ROCKER BOX STUD KIT FOR V-TWIN

- · Includes one motor mount stud, eight long rocker cover studs and two short rocker cover studs
- Zinc-plated

Note: One extra-short stud is for 81-84 rocker covers.

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	66-84	17506-66A	493388	11.50
FX	71-84	17506-66A	493388	11.50



NEW! EXCLUSIVE

TWIN POWER SHOVELHEAD ROCKER BOX STUD SET

- Finest Rocker Studs on the market
- Heat-treated stainless steel
- Full 5/16 stud diameter for superior strength
- Polished ball end
- Includes motor mount studs
- Set fits (two) heads

P/N	Retail
216086	58.99



BIKER'S CHOICE® BRAIDED STEEL ROCKER BOX OIL LINE SETS FOR V-TWIN

- · Set includes braided stainless steel hose
- Chrome-plated steel fittings
- H-D®#62783-66A

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	66-84	493390	21.95
FX	71-84	493390	21.95



ROCKER BOX OIL LINE SET FOR V-TWIN

- Direct O.E.M. type replacement
- Chrome-plated steel fittings

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	66-84	17506-66A	492651	23.50
FX	71-84	17506-66A	492651	23.50



TWIN POWER

ROCKER BOX STUD SET FOR SHOVELHEAD

- Made from 17-4 PH heat-treated stainless steel
- Full 5/16 in. stud diameter for superior strength
- Polished ball ends
- Set includes motor mount studs and is complete for both heads

Description	P/N	Retail
Stainless Steel Rocker Box Stud Set	215040	69.95
Chrome-Plated Flange Nut Set for Shovelhead Rocker Box	215041	24.99

AUDIO, VIDEO & NAVIGATION

INDIAN & VICTORY

WINDSHIELDS

SEATS & SISSY BARS

LUGGAGE

SECURITY & COVERS

TIRES & WHEELS

BRAKES

CHASSIS

SUSPENSION

SHEET METAL

EXHAUST

FUEL & AIR Systems

ENGINE & OIL FILTERS

PRIMARY DRIVE

TRANSMISSION & FINAL DRIVE

GASKETS &

HANDLEBARS & CONTROL

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MEWI

FEULING® 12 POINT ROCKER COVER FASTENERS

- Feuling® Dress-up fastener kits for Twin Cam® engines
- · Quality 12-point hardened stainless steel bolts with a SHOW corrosionresistant finish
- Feature precision rolled threads for optimum engagement, to prevent galling and promote more consistent torque loading
- Wide underhead flange design provides even load distribution for optimum sealing of surfaces - preventing leaks Top engine builders demand quality fasteners! Secure your engine with
- complete confidence
- Eliminates thread problems associated with chromed hardware
- Tensile strength rated @ 170,000 psi Superior and Stronger than O.E.M. and stronger than grade 8 fasteners
- Manufactured by ARP® to Feulings® exact specifications
- Kits include moly assembly lubricant for installation
- Made in USA

	_	=
	_	-

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-16	488135	59.95
FXST, FLST	00-17	488135	59.95
FXD	99-17	488135	59.95



NEW!

FEULING® 12 POINT ROCKER BOX FASTENER KIT

Top engine builders demand quality fasteners! Secure your engine with complete confidence.

- Feuling® engine fastener kits for Twin Cam® engines
- Quality 12-point heat treated 8740 chrome moly steel bolts with black oxide finish
- Feature precision rolled threads for optimum engagement, to prevent galling and promote more consistent torque loading
- Wide underhead flange design provides even load distribution for
- optimum sealing of surfaces preventing leaks Tensile strength rated @ 170,000 psi Superior and Stronger than O.E.M. and stronger than grade 8 fasteners
- Manufactured by ARP® to Feulings® exact specifications
- Kits include moly assembly lubricant for installation
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	01-16	488136	89.95
FXST, FLST	02-17	488136	89.95
FXD	02-17	488136	89.95







044254

COLONY ROCKER BOX HARDWARE

Stock replacement hardware for mounting both lower rocker boxes. Made in USA



Sportster

Lower Rocker Kit

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	84-99	043891	16.99
Sportster	86-17	043891	16.99
Hexed Chrome			
HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	48-65	044270	40.99
Sportster	77-85	044543	29.99

Hexed CAD			
HARLEY-DAVIDSON	Year	P/N	Retail
Rig Twin	48-65	044080	33 99

57-76

044542

Allen

Year	P/N	Retail
84-99	044544	22.99
86-17	044544	22.99
77-85	044354	34.99
57-76	044339	25.99
	84-99 86-17 77-85	84-99 044544 86-17 044544 77-85 044354

Cap Style

HARLEY-DAVIDSON	Year	P/N	Retail
Sportster	57-76	044059	58.99

Nut and Washer Set Chrome

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	66-84	044254	17.99
Nut and Washer Set CA	\D		

Nut and Washer Set CA	AD.		
HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	66-84	044068	10.99

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29.99



COLONY ROCKER ARM STUD AND NUT KIT

• Fits 48-65 panhead P/N Retail 044562 26.99









KURYAKYN



KURYAKYN® HOT SLEEVE 1/4 IN. SCREWS AND WASHERS

- These slick little units cover the knurling on the heads of the 1/4 in. allen bolts found all over your Evolution or Twin Cam engine
- Just slip these babies on and top them off with our Hot Spots and you'll be lookin' good
- Mfg/N 8781

P/N Retail 419553 7.99



KURYAKYN® ROCKER BOX BOLT COVERS

The final touch that makes a difference.

• Simple push-on installation

HARLEY-DAVIDSON	Year	Style	Mfg/N	P/N	Retail
FLH	99-16	Stiletto	8144	419126	39.99
FLH	99-16	Peaked 4-pk	8372	419127	24.99
FLH	99-16	Peaked 6-pk	8693	419378	39.99
FXST, FLST	00-18	Stiletto	8144	419126	39.99
FXST, FLST	00-17	Peaked 4-pk	8372	419127	24.99
FXST, FLST	00-17	Peaked 6-pk	8693	419378	39.99
FXD	99-17	Stiletto	8144	419126	39.99
FXD	99-17	Peaked 4-pk	8372	419127	24.99
FXD	99-17	Peaked 6-pk	8693	419378	39.99

GARDNER-WESTCOTT ROCKER BOX CUSTOM HARDWARE KITS FOR V-TWIN

- Heavy chrome-plating
- Madé in USA



Allen Head

HARLEY-DAVIDSON	Year	P/N	Retail
FLT, FXD	99-17	0416792,3	36.95
Softail	2000	041679	36.95
Sportster	86-03	041653	22.95
Evolution Big Twin	84-99	041653	22.95
Panhead	48-65	041551 ¹	20.95

- 1 With D-Rings
- 2 88" Twin Cam 3 Exc. Milwaukee 8

Year	P/N	Retail
66-84	044117	49.99
Voor	D/N	Potail
Year	P/N	Retail
Year 86-03	P/N 041736	Retail 30.95





S&S® MAGNETIC HEAD BOLT COVERS FOR V-TWIN

- Chrome-plated steel
- Dress up your engine with these magnetic chrome head bolt covers
- Easy installation, no tools or messy adhesives
- A powerful magnet holds cover in place, yet allows easy removal
 - Fits S&S® head bolts
- Sold in sets of four

P/N	Retail
496608	57.95

AUDIO, VIDEO & NAVIGATION

INDIAN & VICTORY

WINDSHIELDS

SEATS & SISSY BARS

LUGGAGE

SECURITY & COVERS

TIRES & WHEELS

BRAKES

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PRIMARY DRIVE

TRANSMISSION & FINAL DRIVE

GASKETS &

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BIKER'S CHOICE® HEAD BOLT COVER SET

- · Chrome-plated
- Covers hide tops of unsightly head bolts for a clean custom look
- Attach with set screws for easy installation
- · Fits Evolution, Twin Cam models

P/N	Retai
493371	17.9



AND SPARK PLUG COVERS FOR V-TWIN

Chrome-plated covers.

• Sold in pairs.

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	86-98	492992	37.50
FXST, FLST	86-99	492992	37.50
FXD	86-98	492992	37.50

BIKER'S CHOICE® HEAD BOLT COVERS FOR V-TWIN

- Cast head bolt covers
- Dresses up the motor to add accent and style
- Choose from chrome, silver or black
- Sold in pairs

Smooth Chrome

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Twin Cam	99-17	43858-00	6667291,5	49.95
Sportster	04-17	44432-04	666730	49.95

Finned Silver

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Twin Cam	99-17	43857-00	6667313,5	49.95
Deuce	00-07	43857-00	666731	49.95
Twin Cam	99-06	43840-01	6667334	49.95

Finned Black

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Twin Cam	99-17	43859-00	666732 ^{3,5}	49.95
Deuce	00-07	43859-00	666732	49.95
Twin Cam	99-06	43841-01	6667354	49.95
Sportster	04-17	44296-04	666734 ²	49.95

1 Will not fit SE Heads or SE110 motors

- **2** Exc. 883N
- 3 With FFI
- 4 Carb 5 Exc. Milwaukee 8







CUSTOM CYCLES ENGINEERING HEAD BOLT COVERS

Eye-pleasing machined aluminum chrome headbolt covers.

- Made in USA
- Sold in packs of four



HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	84-17	4903551	43.99

1 Exc. Milwaukee 8

COLONY HEAD BOLT COVER SETS FOR V-TWIN

Brilliantly plated acorn style covers hide dull O.E.M. 12-point head bolts.

Chrome-plated

HARLEY-DAVIDSON	Year	Style	P/N	Retail
FLH	84-98	Acorn	044325	24.99
FXST	84-99	Acorn	044325	24.99
FLST	86-99	Acorn	044325	24.99
FXD	91-98	Acorn	044325	24.99
FXR	84-94	Acorn	044325	24.99
FLH	84-98	Hex Dome	043875	49.99
FXST	84-99	Hex Dome	043875	49.99
FLST	86-99	Hex Dome	043875	49.99
FXD	91-98	Hex Dome	043875	49.99
FXR	84-94	Hex Dome	043875	49.99
FLH	84-98	Сар	044396	24.99
FXST	84-99	Cap	044396	24.99
FLST	86-99	Сар	044396	24.99
FXD	91-98	Сар	044396	24.99
FXR	84-94	Cap	044396	24.99







SECURITY & COVERS

AUDIO, VIDEO & NAVIGATION

WINDSHIELDS

SEATS & SISSY BARS

LUGGAGE

INDIAN & VICTORY

TIRES & WHEELS

BRAKES

CHASSIS

SUSPENSION

SHEET METAL

EXHAUST

FUEL & AIR Systems

ENGINE & OIL FILTERS

PRIMARY DRIVE

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BAHN™ SPARK PLUG HEAD BOLT COVERS

Take your motor to the next level with these Bahn™ Head Bolt Covers. Add a finished appearance to stock cylinder heads with this one-piece, forged aluminum design that seamlessly covers the spark plugs and head bolts for a hassle-free custom upgrade to your motor's top end.

- Forged aluminum
- One-piece design

Color	Mfg/N	P/N	Retail
Chrome	7343	505041	159.99
Tuxedo	7242	505038	159.99





KURYAKYN

KURYAKYN® HEAD BOLT COVERS FOR V-TWIN

Bring the cutting edge look of Kuryakyn's Stiletto line to your top end with our Stiletto Head Bolt Covers. Beautiful chrome and simple installation.

· Chrome-plated

Peaked, low-profile head bolt covers hide the whole bolt head Sold in set of four

• 3010 111 Set 01 1001					
HARLEY-DAVIDSON	Year	Style	Mfg/N	P/N	Retail
FLH	87-16	Peaked	8106	497831	20.99
FLH	87-16	Stiletto	8107	496982	39.99
FXST, FLST	87-17	Peaked	8106	497831	20.99
FXST,FLST	87-17	Stiletto	8107	496982	39.99
FXD	91-17	Peaked	8106	497831	20.99
FXD	91-17	Stiletto	8107	496982	39.99
FXR	87-94	Peaked	8106	497831	20.99
FXR	87-94	Stiletto	8107	496982	39.99
XL	87-17	Peaked	8106	497831	20.99
XL	87-17	Stiletto	8107	496982	39.99





> INDIAN & VICTORY

WINDSHIELDS

SEATS & SISSY BARS

LUGGAGE

SECURITY & COVERS

TIRES & Wheels

BRAKES

SUSPENSION

SHEET METAL

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KURYAKYN® SPARK PLUG/HEAD BOLT COVERS

Take your motor to the next level with the hottest head bolt covers around. Featuring a stepped and slotted design to complement the engine.

- Installation takes just minutes
- Sold in pairs

HARLEY-DAVIDSON	Year	Finish	Mfg/N	P/N	Retail
FLH	99-16	Gloss Black	7243	419448	69.99
FLH	99-16	Wrinkle Black	7261	419453	69.99
FLH	99-16	Chrome	7260	419452	69.99
FLHTCUTG	09-16	Gloss Black	7243	419448	69.99
FLHTCUTG	09-16	Wrinkle Black	7261	419453	69.99
FLHTCUTG	09-16	Chrome	7260	419452	69.99



KURYAKYN® CYLINDER BASE/TIMING HOLE COVERS FOR V-TWIN

Adds a nice touch to the cylinder base while covering the timing hole and installs in minutes.

- Mfg/N 8140
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	85-98	497256	39.99
FXST	84-99	497256	39.99
FLST	86-99	497256	39.99
FXD	91-98	497256	39.99
FXR	85-94	497256	39.99



KURYAKYN® REAR CYLINDER BASE COVER FOR V-TWIN

This inexpensive, chrome-plated cover cleans up the "black hole" behind the rear cylinder

the real cylinder.				
HARLEY-DAVIDSON	Year	Mfg/N	P/N	Retail
Electra Glide, Road Glide,				
Street Glide, Road King, Trikes	09-16	8694	419132 ³	59.99
Electra Glide, Road Glide,				
Street Glide, Road King	07-08	8394	496967 ²	49.99
Electra Glide, Road Glide,				
Street Glide, Road King	02-06	8274	4943791	39.99
Softail	07-17	8656	4953664	89.99

- ¹ can be used with other H-D® covers with minor modifications
- ² requires Kuryakyn® Transmission Shroud 496963 (Mfg/N 7876) or 494107 (Mfg/N 7877) for installation ³ this cover can be used by itself or with the transmission shroud on 09-11 models equipped with an
- 3 this cover can be used by itself or with the transmission shroud on 09-11 models equipped with an aftermarket true dual exhaust system where the rear pipe exits over the top of the transmission to the left side of the bike, use the combination of transmission shroud 494107 (Mfg/N 7877) and rear cylinder base cover 496967 (Mfg/N 8394)
- 4 Exc. Rocker/C or FLSTSC with Stock Head Pipes

KURYAKYN



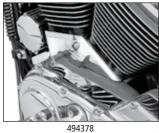
Chrome-plated covers are held in position with set screws, insuring rattle-free performance. Spark plugs can be removed without taking the covers off.

• Made in UŠA



HARLEY-DAVIDSON	Year	Mfg/N	P/N	Retail
Twin Cam	99-17	8323	497828 ³	49.99
Big Twin	84-99	8315	497878 ¹	39.99
XL	86-03	8315	497878 ²	39.99

- 1 Will not fit Screamin' Eagle Evolution heads
- ² Evolution engines models
- ³ Exc. Milwaukee 8







KURYAKYN® CYLINDER BASE COVER FOR V-TWIN

Smooths the transition between the cylinders and the engine cases and covers the entire gap between the cylinder base and the inner primary.

- Installs in minutes
- Sold individually

HARLEY-DAVIDSON	Year	Mfg/N	P/N	Retail
Touring	07-16	8392	496859	69.99
Road King, Dresser	99-06	8143	497864	69.99
Softail	07-17	8393	496860	69.99
Softail	00-06	8143	497864	69.99
Dyna	06-17	8392	496859	69.99
FXDWG	99-05	8143	4978641	69.99
Sportster	91-03	8141	494378	39.99

^{1 99-05} FXD Converted to forward controls

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KURYAKYN



NEW!

KURYAKYN® COOLANT PUMP COVER

Replace the bland factory Coolant Pump Cover with a sleek chrome cover. Direct replacement for the factory cover and hides the unsightly voltage regulator for the finishing touch.

HARLEY-DAVIDSON	Year	Mfg/N	P/N	Retail
FLHTK	14-16	7677	419823	69.99
FLTRU	14-16	7677	419823	69.99
FLHTCUTG	14-16	7677	419823	69.99

ARLEN NESS



ARLEN NESS TAPPET BLOCK COVERS

- Machined from 6061-T6 billet aluminum
- Replaces cast O.E.M. lifter block cover
- Sold in pairs

	10-Gauge		10-Gauge		
HARLEY-DAVIDSON	Year	Chrome	Retail	Black	Retail
Twin Cam	99-17	2636601	199.95	263661 ¹	199.95

1 Exc. Milwaukee 8



JIMS® TAPPET COVERS

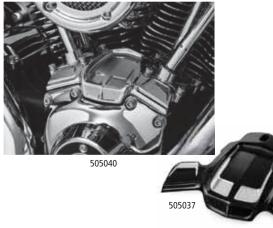
The ultimate in high-tech tappet covers and CNC-machined from billet 6061-T6 aluminum.

- · Gaskets and hardware included
- Made in USA



HARLEY-DAVIDSON	Year	Finish	P/N	Retail
Twin Cam	99-17	Black Billet	4613661	145.50
Twin Cam	99-17	Black Welded	461367 ¹	198.95
1 Exc. Milwaukee 8				

BAHN



BAHN™ TAPPET BLOCK ACCENT

Effortlessly dress up the dead space between stock tappet blocks. Hasslefree installation and killer styling make this precision-machined forged aluminum piece a must-have. The perfect complement to Bahn Rocker Cover Accents.

HARLEY-DAVIDSON	Year	Finish	Mfg/N	P/N	Retail
FLH	99-16	Chrome	7341	505040	139.99
FLH	99-16	Black	7241	505037	139.99
FXST, FLST	00-17	Chrome	7341	505040	139.99
FXST, FLST	00-17	Black	7241	505037	139.99
FXD	99-17	Chrome	7341	505040	139.99
FXD	99-17	Black	7241	505037	139.99





419374

9370

KURYAKYN® TAPPET BLOCK ACCENTS FOR V-TWIN

So clean and simple. Chrome-style accents the stock tappet blocks.

Sold individually

HARLEY-DAVIDSON	Year	Mfg/N	P/N	Retail
Twin Cam	99-17	8389	419374 ¹	89.99
Sportster	06-17	7782	419370	59.99

1 Exc. Milwaukee 8



KURYAKYN® TAPPET BLOCK COVERS FOR V-TWIN

- Chrome-plated
- Sold in pairs

HARLEY-DAVIDSON	Year	Mfg/N	P/N	Retail
Evolution Big Twin	84-99	8123	497268	69.99
Sportster	91-03	8124	497861	49.99

AUDIO, VIDEO & NAVIGATION

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SECURITY & COVERS

TIRES & Wheels

BRAKES

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S&S® CAM COVERS

- Machined from billet aluminum
- Chrome-plated
- Compatible with points or electronic ignition systems
 Kit includes billet cam cover, chrome billet ignition cover, all gaskets and hardware required for installation and instructions

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	93-98	493344	449.95
FLH	73-92	499753	479.95
FXST	93-99	493344	449.95
FXST	84-92	499753	479.95
FLST	93-99	493344	449.95
FLST	86-92	499753	479.95
FXD	93-98	493344	449.95
FXD	91-92	499753	479.95
FXR	93-94	493344	449.95
FXR	82-92	499753	479.95
FX	71-86	499753	479.95



S&S® SMOOTH CAM COVER

- Flangeless style gearcover kit for 73-92 Harley-Davidson® Big Twins are machined from 356-T6 aluminum castings and are distinctively different in appearance from stock and feature an inner cast aluminum gearcover and a decorative bolt-on outer cover Cast alternator style gearcovers will accept either points or electronic
- ignition systems
- Kits come with gaskets and mounting hardware

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	73-92	484030	189.95



S&S® GENERATOR STYLE CAM COVER

Stock appearance with bushings installed and sized. For stock crankcases

Application	P/N	Retail
For use with OHV (1/4"-24)		
11/16" Pinion Bushing I.D. (40-E48)	499408	229.95
For use with OHV (1/4"-24)		
9/16" Pinion Bushing I.D. (54-62)	499654	217.95
For use with OHV (1/4"-24 & 1/4"-20)		
9/16" Pinion Bushing I.D. (66-69)	499739	269.95
3		



BIKER'S CHOICE® CAM COVER FOR V-TWIN

Cam and pinion shaft bushings must be reamed to provide proper clearance, for use with end-oiling pinion shaft only.

- Chrome-plated
- Uses stock seals and gasket

HARLEY-DAVIDSON	Year	O.E.M.	Finish	P/N	Retail
FLH, FLT, FXST, FLST, FXD	01-17		Chrome	4820241	133.95
FLH, FLT, FXST, FLST, FXD	01-17		Black	4820251	133.95
FLH, FLT, FXST, FLST, FXD,					
FXR, FX	L73-92	25268-84A	Chrome	482886	159.95
FLH, FLT, FXST, FLST, FXD,					
FXR	93-99	25256-93A,			
		25254-93B	Chrome	488758	144.95

1 Exc. Milwaukee 8

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JIMS® CAM COVER HEAT SINK

Not all engines maintain the same operating temperature. Big displacement, combustion chambers, cams, exhaust, spark, fuel, etc., can all either increase or help reduce operating temperatures. The fin pack design integrated into a stock cam cover helps reduce cam cover heat. When riding, this design uses outside air to help reduce cam cover temperatures up to 10°.

- Heat sink inserts are completely machined out of solid 6061 aluminum
 Available in chrome-plated or RawCut BlackTM
- Installation uses existing timing cover hardware and only takes minutes

HARLEY-DAVIDSON	Year	Finish	P/N	Retail
FLH	01-16	Rawcut Black	461028	78.95
FLH	01-16	Chrome	461029	104.95
FXST, FLST	01-17	Rawcut Black	461028	78.95
FXST, FLST	01-17	Chrome	461029	104.95
FXD	01-17	Rawcut Black	461028	78.95
FXD	01-17	Chrome	461029	104.95









NEW! EXCLUSIVE

SAN DIEGO CUSTOMS TIMING COVERS

SDC Domed Timing Cover for EVO or Twin Cam engine. Machined Aluminum and laser etched.

HARLEY-DAVIDSON	Year	Desc.	Style	P/N	Retail
Twin Cam	99-17	5-hole	Ripper	4822411	60.00
Twin Cam	99-17	5-hole	Shield	4822421	60.00
Twin Cam	99-17	5-hole	GFY	4822431	60.00
Twin Cam	99-17	5-hole	Number 1	4822441	60.00
Evolution	84-99	2-hole	Ripper	482237	60.00
Evolution	84-99	2-hole	Shield	482238	60.00
Evolution	84-99	2-hole	GFY	482239	60.00
Evolution	84-99	2-hole	Number 1	482240	60.00
1 Exc. Milwaukee 8					





461030

461032

JIMS® SLEEPER DESIGN BIKE POCKET

This unique product will give your cam cover a pocket, which is ideal to hide your keys, registration, insurance paperwork, etc. Great solution for custom bikes with no storage. Easily attaches, just twist the outer cover

Note: Éngines produce heat, so common sense needs to be used when considering what you put in the pocket (i.e., not a good place for chocolate bars, but a perfect place for some handy simple items).

HARLEY-DAVIDSON	Year	Finish	P/N	Retail
FLH	01-16	Chrome	461030	164.95
FLH	01-16	Polished	461031	141.95
FLH	01-16	Rawcut Black	461032	141.95
FXST, FLST	01-17	Chrome	461030	164.95
FXST, FLST	01-17	Polished	461031	141.95
FXST, FLST	01-17	Rawcut Black	461032	141.95
FXD	01-17	Chrome	461030	164.95
FXD	01-17	Polished	461031	141.95
FXD	01-17	Rawcut Black	461032	141.95







461346

461351

JIMS® CAM COVER BUSHINGS

HARLEY-DAVIDSON	Year	Description	P/N	Retail
Big Twin	70-99	Cover	461347	25.95
Big Twin	36-69	Cover	461346	22.95
Big Twin	36-57	Right Side Case	461351	31.50





S&S® IGNITION COVERS

Perfect compliment to a polished engine with a chrome-plated billet.

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	70-98	498603	55.95
FXST	84-99	498603	55.95
FLST	86-99	498603	55.95
FXD	91-98	498603	55.95
FXR	82-94	498603	55.95
FX	71-86	498603	55.95
XL	71-03	498603	55.95

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1 Exc. Milwaukee 8

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IGNITION COVERS FOR V-TWIN • CNC-machined billet aluminum parts are beautifully chrome-plated or black anodized

HARLEY-DAVIDSON	Year	Description	Style	Chrome	Retail	Black	Retail
Twin Cam	99-17	5-hole	Deep Cut	2623911	89.95	2623921	89.95
Twin Cam	99-17	5-hole	Deep Cut II	2637671	89.95	263766 ¹	89.95
Twin Cam	99-17	5-hole	Slot Track	2623871	89.95	2623881	89.95
Twin Cam	99-17	5-hole	Beveled	260947 ¹	89.95	2609461	89.95
Twin Cam	99-17	5-hole	Retro	2608231	89.95		
Twin Cam	99-17	5-hole	Scalloped			2608251	89.95
Twin Cam	99-17	5-hole	Engraved	2608291	89.95	2608271	89.95
Twin Cam	99-17	5-hole	10-Gauge	2637131	89.95	263712 ¹	89.95
Sportster	04-17	2-hole	Beveled	260948	79.95	260949	79.95



JACK DANIELS® OLD NO. 7 TIMING COVERS

Good for wide tire frames where the mounts are visible or for custom applications. Cover fits over the ugly black rubber oil tank mount and stud.

- Available in chrome, chrome with a black insert and black wrinkle finish
- Die-cast construction with a beautiful finish

Each cover includes chrome hardware

HARLEY-DAVIDSON	Year	Color	P/N	Retail
Twin Cam	99-17	Chrome	0777051	34.99
Twin Cam	99-17	Chrome Black	0777031	34.99
Twin Cam	99-17	Black Machined	077704 ¹	34.99
1 Exc. Milwaukee 8				



Black Machined Chrome Black





BIKER'S & CHOICE

Chrome

BAHN™ TIMING COVERS

- Precision machined from premium-forged aluminum to provide an effortless upgrade for Harley-Davidson® Twin Cam bottom ends
- This direct replacement for the stock timing cover is designed to complement the full line of Bahn™ accessories and comes with all mounting hardware necessary for installation

HARLEY-DAVIDSON	Year	Finish	Mfg/N	P/N	Retail
Twin Cam	99-17	Chrome	6931	5054591	79.99
Twin Cam	99-17	Tuxedo	6930	5054581	79.99



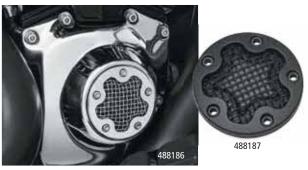






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KURYAKYN



NEW!

KURYAKYN® MESH TIMING COVER

Bolt-on replacement for stock timing covers with three-piece design for a dynamic textured appearance. Stainless steel insert secures the aluminum baseplate and outer frame upon installation with included hardware. Custom-paint individual components and match any color theme.

HARLEY-DAVIDSON	Year	Mfg/N	P/N	Retail
FLH, FLT, FXST, FLST, FXD	99-17	6520	4881861	59.99
FLH, FLT, FXST, FLST, FXD	99-17	6521	4881871	59.99
XL	04-17	6522	488188	59.99

¹ Exc. Milwaukee 8





BIKER'S CHOICE® IGNITION WIRE HOLD DOWN FOR V-TWIN

Chromed die-cast aluminum hold down.

• Fits H-D® models with electronic ignition

P/N	Retail		
490505	3.95		



KURYAKYN® INFINITY TIMING COVER

This truly unique cover comes to life from its mirror-like chrome resting state to a virtual vortex of lights once ignited. Make all your friends envious of this one-of-a-kind cover. Let this cover take you to infinity and beyond with its 7-color LED spectacle of lights.

HARLEY-DAVIDSON	Year	Mfg/N	P/N	Retail
Big Twin	84-16	1301	419405	179.99



KURYAKYN® CHASING LED TIMING COVER

- Select red, lime, ice blue, sky blue, dark blue, purple or green, or hues fading continuously from one to the next spinning circles timed by engine RPMs
- If desired, single or continuously changing colors may be lit solidly
- Kit contains chrome timing cover with multi-function LEDs, wiring and controller
- Easily installed
- Mfg/N 1302

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	85-16	494623	189.99
FXST	84-17	494623	189.99
FLST	86-17	494623	189.99
FXD	91-17	494623	189.99
FXR	82-94	494623	189.99
XL	86-16	494623	189.99



BIKER'S C	HOICE®		
IGNITION	COVERS	FOR	V-TWIN

IGNITIO	N CO	VERS	FOR	V-TWIN
- Chrom	n-nlate	nd		

Chrome-plate	u						Chrome				Black		Chrome		Black			
					Black		Horizonta	al			Horizonta	al	Vertical		Vertical			
HARLEY-DAVIDSON	Year	O.E.M.	Flat	Retail	Finned	Retail	Groove	Retail	Domed	Retail	Groove	Retail	Groove	Retail	Groove	Retail	Skull	Retail
Twin Cam	99-17				6667431	14.95	4908231	12.95	4955321	13.95	4908241	12.95					4960371	20.99
Evolution Big Twin	70-99	32584-88T	488756	7.95					490785	13.95			490807	9.95	490808	9.95	496039	20.99
XL	04-17						490803	9.95			490804	9.95						
XL	71-03	32584-88T	488756	7.95					490785	13.95			490807	9.95	490808	9.95		

¹⁰⁶⁻¹⁶ Dyna; 07-16 Big Twin require P/N 046201 gasket

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Gardner-Westcott Company



GARDNER-WESTCOTT CAM COVER CUSTOM HARDWARE KITS FOR V-TWIN

- Allen head knurled chrome
- Made in USA



Allen

HARLEY-DAVIDSON	Year	P/N	Retail
FLH, FLT, FXST, FLST, FXD	99-17	0420171,3	24.95
FLH, FLT, FXST, FLST, FXD	87-99	042016 ²	10.95
FLH, FLT, FXST, FLST, FXR, FX	70-86	041541	7.95
FXD	91-98	042016	10.95
FXR	87-94	042016	10.95

Tapered Allen HARLEY-DAVIDSON

Year P/N Retail EL, FL, FLH 36-69 041556 20.95

12-Point

HARLEY-DAVIDSON	Year	P/N	Retail
FLH, FLT, FXST, FLST, FXD, FXR	87-99	041734 ²	16.95

1 Exc. 1999 FXST, FLST

² Exc. 1999 FLH, FLT, FXD ³ Exc. Milwaukee 8



GARDNER-WESTCOTT TIMING COVER CUSTOM HARDWARE KITS FOR V-TWIN

- Includes gasket and hardwareButton head

HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	99-17	040992 ²	9.95
FLH, FX, FLT, FLST, VRSC, XL, XR	79-02	041570 ¹	4.95
FL FX G M S X 790	70-78	0415621	5.95

1 Exc. Twin Cam





COLONY TIMING COVER HARDWARE

Use when changing points cover to a custom cover. Torx drive button-head cover screws.

Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
Sportster	04-17	043913	3.99
Timing Cover Studs			
HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	80-99	043937	12.99









043984



044450

COLONY O.E.M. STYLE CAM COVER HARDWARE KIT FOR V-TWIN

O.E.M.-style fastener.

- Chrome-platedH-D®#2341HW

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	70-92	044140	23.99
XL	86-03	044308	18.99
XL	71-85	044125	28.99
Allen			

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	99-17	0444521	12.99
Big Twin	70-92	044088	10.99
XL	86-03	044451	18.99
XI	71-85	044099	12.99

1 Exc. Milwaukee 8

Slotted Chrome			
HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	36-69	044226	18.99
Shovelhead	70-80	044447	10.99
XL, K	52-70	044381	17.99
Flathead, Sportster, XR	37-73	044449	20.99
Slotted CAD			
HARLEY-DAVIDSON	Year	P/N	Retail
HARLEY-DAVIDSON Big Twin	Year 36-69	P/N 043984	Retail 15.99
Big Twin	36-69	043984	15.99
Big Twin Shovelhead	36-69	043984	15.99

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EASTERN TIMING COVER STUDS

Sold as a pair

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	82-98	32606-82	603091	6.50
FXST	84-99	32606-82	603091	6.50
FLST	86-99	32606-82	603091	6.50
FXD	91-98	32606-82	603091	6.50
FXR	82-94	32606-82	603091	6.50
XL	80-03	32606-82	603091	6.50



KURYAKYN® CHROME END PLUGS

Give your Allen head that smooth look and protect from rust damage with Hot Spots Custom End Plugs.

Size	Mfg/N	P/N	Retai
1/4 in.	8114	418889	7.99
5/16 in.	8117	418890	5.99
3/8 in.	8120	418891	5.99





CUSTOM CYCLE ENGINEERING ADJUSTABLE FRONT ENGINE BRACKET FOR DYNA

Allows the rider to dial in the engine to perfect alignment. Slides the engine left or right using the same alignment principals as FXR or early FLT models.

- Replace stock front engine bracket with custom slotted bracket with alignment lines
- Hash marks at 0.05 in. intervals
- Includes black anodized aluminum bracket, two 3/8-16" \times 2-1/4" hex bolts and two 3/8-16" nyloc nuts
- Replaces O.E.M. #s 47226-90A, 47226-93, 47226-99

HARLEY-DAVIDSON	Year	P/N	Retail
FXD	92-17	497608	95.00





ROLAND SANDS DESIGN® TOP MOTOR MOUNT

Handcrafted, beautifully polished stainless steel bracket retains the stock placement of your ignition coil.

- Direct replacement for stock mount
- Polished stainless steel construction
- · All chrome mounting hardware included
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FXST, FLST	00-17	RD3265	219.95
FXST, FLST	00-17	RD32671	205.95
FXD	04-17	RD3269	219.95

1 Without coil mount



EXCLUSIVE

TWIN POWER MOTOR MOUNTS FOR DYNA

High-quality replacement motor mounts for Dyna models from Twin Power.

			-			
HARLEY-DAVIDSON	Year	O.E.M.	Position	P/N	Retail	
FXD	91-17	47583-90B	Front	488813	89.95	
FXD	99-17	47564-99	Rear	488812	89.95	

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490754 FRONT MOTOR MOUNT AND BRACKET 490753

BIKER'S CHOICE®

• O.E.M.-type direct replacements

		Rubber			Chrome		
HARLEY-DAVIDSON	Year	Mount	O.E.M.	Retail	Bracket	O.E.M.	Retail
FLH, FLT	80-08	490754	16207-79B	22.95			
FXR	82-94, 00	490754	16207-79B	22.95			
FLH, FLT	80-08				490753	47159-79T	24.95
FXR	82-94, 00				490753	47159-79T	24.95



D&S PERFORMANCE FRONT MOTOR MOUNT

Replaces stock O.E.M. 16207-79 and performs exceptionally well in both stock and big cubic inch applications.

Made in ŬSA



HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	80-08	16207-79	612087	52.95
FXR	82-94	16207-79	612087	52.95



Machined from 6061-T6 billet aluminum

- Available either triple show chrome- plated or black anodized
- Includes necessary mounting hardware
- Made in USA



HARLEY-DAVIDSON	Year	Description	P/N	Retail
FXST	84-99	Chrome	610750	129.95
FXST	84-99	Black	610751	129.95
FXST	84-99	Chrome Spacer 0.75"	610752	26.95
FXST	84-99	Chrome Spacer 1.25"	610754	34.95
FLST	86-99	Chrome	610750	129.95
FLST	86-99	Black	610751	129.95
FLST	86-99	Chrome Spacer 0.75"	610752	26.95
FLST	86-99	Chrome Spacer 1.25"	610754	34.95



TWIN POWER MOTOR MOUNT BUSHINGS

These heavy-duty motor mount bushings replace the stock isolaters. These bushings are the heavy-duty versions of the stock front and rear isolator

Sold individually

, , , , , , , , , , , , , , , , , , , ,					
HARLEY-DAVIDSON	Year	O.E.M.	Position	P/N	Retail
XL	04-17	48463-04	Front	482935	19.95
ΧI	04-17	48497-04	Rear	482934	19 95



ENGINE STABILIZER LINK

XL

Chrome-plated O.E.M. replacement.

• Fitted with high-quality rubber joints

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	80-08	16219-79C	215608	38.50
FXR	82-94	16219-79C	215608	38.50



16232-04

04-17

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37.50



 HARLEY-DAVIDSON
 Year
 P/N
 Retail

 FLH, FLT, FXST, FLST
 00-05
 489853¹
 46.95

 FXST, FLST
 84-99
 489851
 47.50

1 Carburetor models



Bracket kit from heavy-duty 5/16 in. thick hardened steel and comes polished and show chrome-plated with chrome Allen-style fasteners.

Includes special washers and lock nuts

HARLEY-DAVIDSON	Year	P/N	Retail
FXST, FLST	91-99	041155	176.95



KRAFT/TECH TOP MOTOR MOUNT

- Made from 1/4 in. steel
- Polished and plated to a high luster finish
- · Fits solid mount Evolution engines, including most strokers

P/N	Retail
496302	46.50



BIKER'S CHOICE® TOP MOTOR MOUNT AND ENRICHENER KNOB BRACKET

• Includes chrome-plated screws and washers

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
XL883	04-06	16353-04	489627	39.95
XL1200	04-06	16353-04	489627	39.95
XL1200C	07-17	16353-04	489627	39.95



EXCLUSIVE

BIKER'S CHOICE® EXTENDED TOP MOTOR MOUNT

This chromed heavy-duty motor mount bracket is made from 1/4 in. thick steel plate for extra strength and 1 in. longer for use with FXR type coil mounts for motors with larger cylinders and heads.

Additional bracket included for mounting most ignition switches

HARLEY-DAVIDSON	Year	P/N	Retail
FXST, FLST	84-99	482511	54.50

PAUGHCO



599282

PAUGHCO TOP MOTOR MOUNT

- For stock Evolution and Paughco frames
- Chrome-plated
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FXST, FLST	84-99	599280	49.95
FXR	84-94	5992821	69.95
FXWG	85-86	599280	49.95

1 with coil mount



EXCLUSIVE

BIKER'S CHOICE® HIGH PERFORMANCE MOTOR MOUNTS

Designed for original use on 73-80 FXE with choke cable tab and ignition switch hole, but it also fits 48-84 Pan, Shovelhead. Super-heavy, multipiece top motor mounts are much thicker for absolute maximum strength and feature oversize, high-strength fasteners.

• Can be used with longer cylinders

Chrome-plated

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FL	48-84	69018-87T	492725	52.95
FX	71-84	69018-87T	492725	52.95



BIKER'S CHOICE® TOP MOTOR MOUNTS FOR SPORTSTER

Chrome

Year	O.E.M.	P/N	Retail
95-03	16278-95B	489847	38.95
86-94	16278-86A	489846	38.95
	95-03	95-03 16278-95B	95-03 16278-95B 489847

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SEATS & SISSY BARS

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PRIMARY DRIVE

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PAUGHCO



FOR SPORTSTER

Chrome

Top Motor Mount HARLEY-DAVIDSON P/N Year XL, K 54-77 598120

Lo	W	er	Fr	or	ηt	Μo	our	ηt

HARLEY-DAVIDSON	Year	O.E.M.	Sold As	P/N	Retail
XL	86-03	16212-84/			
		16210-84A	Pair	598911	89.95
XL, K	54-78		Pair	598121	73.95

Upper Front Mount

HARLEY-DAVIDSON	Year	O.E.M.	Sold As	P/N Retai
XL	86-03	16222-86	Each	598913 108.95
XL	82-85	16214-81	Each	598122 44.95



PINGEL® SPORTSTER MOTOR MOUNT

Two-bolt rear mount is made of super-high tensile alloy to be virtually indestructible. Gusseted on the top rather than the bottom like stock mounts and the mount is heavily reinforced in all areas that tend to crack.

- Slips over studs and starter shafts on completely assembled motors
- · Studs on the motor must be removed on split cases

HARLEY-DAVIDSON	Year	P/N	Retail
XL	57-81	498478	181.95



EXCLUSIVE

TWIN POWER™ TWIN CAM **ENGINE ADAPTOR PLATE**

Twin Power™ now gives you the ability to perform Softail custom applications to your bike. P/N 217706 adapts 70-98 inner primary covers to 06-up Twin Cam 95ATM while P/N 217712 is for any 5- or 6-speed Softail transmission when using Twin Cam adaptor plate. Each plate has a plain finish.

Includes all hardware



88A

598122

Retail

49.95

Adapts Twin Cam 88A[™] engine into Softail Evolution frames.

Description	P/N	Retail
Adaptor Plate	217714	109.95
Adaptor Kit	210029	715.50



217705



BIKER'S & CHOICE

Adapts Twin Cam 96A[™] engine to Softail and Rigid Evolution frames. P/N 217706 and 217712 are needed to fit 90-05 Primary.

Description	P/N	Retail
Adaptor Plate	217705	156.95
Inner Primary Adaptor Ring	217706	146.95
3/4" Trans Base Plate	217712	45.50

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Designed to check percentage of cylinder leakage in a 4-Stroke engine. Can pressurize the cylinder with 60 psi of air with one air source of 70 to 160 psi. The gauge will register the total leakage past the rings, head gasket, intake and exhaust valves.

Kit includes 10, 12 and 14 mm spark plug adaptors, regulator and gauge

P/N	Retail	
158126	161.99	



MOTION PRO® COMPRESSION TEST SET

Contains hoses for 10, 12 and 14 mm spark plug applications.

Kit includes a quick disconnect with pressure release valve, 300 psi gauge and plastic carrying case

P/N	Retail	
158188	119.99	



BIKEMASTER® CYLINDER LEAKAGE TESTER

The BikeMaster® Cylinder Leakage Tester helps with troubleshooting and isolates bad components of the engine. The tester comes in a heavy-duty protective carrying case.

- Includes 10, 12, 14 and 18 mm plug adaptors, a regulator and rubber protected gauges
- Accurately check the amount of cylinder leakage in an
- Large 2-1/2 in. easy-to-read gauges

P/N	Retail	
152149	149.95	



BIKEMASTER® CYLINDER COMPRESSION TESTER

Manufactured with brass and steel fittings, you can guickly check the condition of piston rings, valves, etc.

- Compare your compression with the manufacturer's recommendations
- Includes 10, 12 and 14 mm adaptors

P/N	Retail
151862	109 95



JIMS® LEAKDOWN TOOL

- This tester can be used on all models and aftermarket motors
- The hose assembly features 14 and 18mm spark plug threads
- This tester can be used to troubleshoot cylinder leakdown issues such as bad valve seats, bad rings, etc.
- Brass fittings and quality gauges

P/N	Retail	
461371	139 95	



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DAYTONA TWIN TEC TWIN SCAN COMPLETE KIT

Includes Twin Scan II and Twin Scan 3 tools and accessories WEGO IIID dual channel wide-band exhaust gas oxygen sensor interface attaches to either Twin Scan unit for logging air/fuel ratio (AFR) data. Ideal tuning aid for Screamin' Eagle® Pro Super Tuner (SEST), Dynojet® Power Commander (PC) and Daytona Twin Tec Tuner. Twin Scan software analyzes logged data and displays front and rear cylinders air/fuel ratio (AFR) and the required volume efficiency (VE) correction (in percent) with the same RPM rows and throttle position sensors (TPS)

columns used in fuel tables for supported engine tuning systems. Uses laptop PC for display and includes Windows® software. Reads and clears diagnostic trouble codes from ECU (engine control unit), TSSM (turn signal/security module), BCM (body control module), ABS (anti-skid brake system), speedometer and tachometer. Real time display of engine data on instrument panel type display.

 Stores up to one hour of datá and automatically triggers when trouble code is set

P/N	Retail	
496735	1312.00	



DAYTONA TWIN TEC SCAN TOOLS

Reads and clears diagnostic trouble codes from ECU, engine control unit, TSSM, turn signal/security module, speedometer, and tachometer. Includes two analog inputs for air/fuel ratio, AFR. All Twin Scan II units can be upgraded to Twin Scan II+ for use as tuning aid. Uses laptop PC for display. Includes USB cable and Windows software on CD-ROM. Real-time display of engine data on instrument panel type display. Stores up to one hour of data and automatically triggers when a trouble code is set.

- Compact size: 3.8" L x 1.7" W x 0.9" H
- Brake bleeding functions for 08-13 Touring models with ABS brakes
- Compatible with 01-13 H-D® fuel injected models using Delphi® system, including V-Rod® and 03-06 carbureted models with new 12-pin ignition module (exc. 11-13 Softail; 12-13 FXD)

Description	P/N	Retail
Twin Scan II	496621	464.00
Twin Scan 3	496730	464.00



Ideal tuning aid for Screamin Eagle® Race Tuner.

 Includes Twin Scan 88 AFR input. WEGO II interface (no LCD display), Bosch LSU 4.2 wide-band oxygen sensor, two 18 x 1.5 mm weld nuts, two 18 x 1.5 mm hex socket plugs, USB cable and software

Description	P/N	Retail
Twin Scan II+	498719	887.00
Twin Scan 3+	496731	887.00



DAYTONA TWIN TEC TWIN SCAN 3 PROBE KIT

The Twin Scan 3 includes a scopemeter feature that allows display of two signal waveforms and is very useful for diagnostic purposes. The optional probe kit includes two insulation displacement probes and extension wires with mating weather-pack connectors that plug into the analog inputs on the Twin Scan 3. Insulation piercing probes allow easy connection to any point on the motorcycle wire harness. The scopemeter feature is independent of the scan tool capability and can be used on any vehicle. Two switches on the side of the Twin Scan 3 allow selection of the voltage range for the channel one and channel two analog inputs. The low range is 0 to 20-Volts and is suitable for most signals except crankshaft position sensor, coil drive and injector drive signals that require the high \pm 200-Volt range.

- Blue and white insulation piercing probes and 48 in. extension wires with mating weather-pack connectors that plug into the white
- channel and blue channel analog inputs on the Twin Scan 3
- Red and black alligator clips that can be used in place of the insulation
- piercing probes for accessing signals
- Power adaptor for use on earlier H-D® motorcycles with four terminal diagnostic connector
- Power cord with red and black alligator clips for general purpose use with any +12-Volt power source

P/N	Retail	
496736	94.00	

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BIKEMASTER® STETHOSCOPE

Make it easier to determine what that ticking noise is, where the sound is coming from and pinpoint, which part is causing trouble.

P/N	Retail	
151879	19.95	



K&L® MC800 REGULATED FUEL PUMP FOR F.I. DIAGNOSTIC

Fuel Injection is here to stay and with it has come the need for new diagnostic tools. Controllable fuel supply is mandatory to accurately service these bikes; the MC800 from K&L Supply is the answer.

Special Order only

The MC800 requires use of an F.I. rated fuel bottle P/N 292215 and 5/16 in. F.I. high pressure-rated fuel line



Description	P/N	Retail
Injection Pump	292193	769.29
Fuel Rail Connection Kit for MC800	2921941	171.79
GL1800 Fuel Rail Fitting	292195	50.99

Allows fast and secure set-up of your MC800. Fits most Japanese Fuel Injected models. Unit includes (1) Female F.I. rail attachment and (1) Male F.I. rail attachment.







K&L® PORTABLE AUXILIARY GAS AND FAN CADDY

Work stand offers mobility by centralizing all required tools on one easyto-use fixture and now features an additional shelf for increased storage. Constructed of square tubing, the height is adjustable up to 68 in. with hooks to attach gauges and fuel bottles.

Blue powder-coated and zinc-plated
Auxiliary fuel tank P/N 292215, MC800 fuel pump P/N 292193, battery and hand tools sold separately

Description	P/N	Retail
Caddy with Wheels	292222	348.99
Caddy Lift Bracket	292223	158.89
Stand Accessory Bracket	292224	56.49
Flat Accessory Tray	292225	72.39





JIMS® ENGINE STAND FOR BIG TWINS

Heavy-duty steel engine stand simplifies the servicing of Big Twin engines.

• Services S&S® and aftermarket motors

• Made in USA



HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FL	36-98	96815-46	496008	104.50
FXST	84-99	96815-46	496008	104.50
FLST	86-99	96815-46	496008	104.50
FXD	91-98	96815-46	496008	104.50
FXR	82-94	96815-46	496008	104.50
FX	71-86	96815-46	496008	104.50

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FUEL & AIR Systems

ENGINE & OIL FILTERS

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TRANSMISSION & FINAL DRIVE

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HANDLEBARS & CONTROL

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HARLEY-DAVIDSON Year P/N Retail FLH 07-16 461238 84.50 FLH 99-06 461237 84.50 EVO FLH, FXD, FXR 85-98 461236 63.00 FXD 06 - 17461238 84.50 99-05 461237 84.50



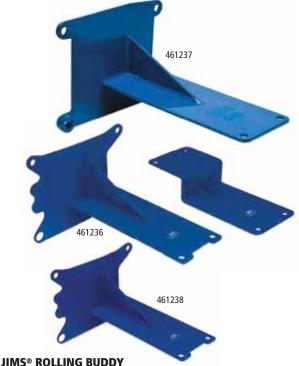
JIMS® ENGINE STAND FOR BUELL AND SPORTSTERS

Heavy-duty steel engine stand simplifies the servicing of Sportster motors.

Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
XL	57-03	496010	157.50
BUELL			
Buell	87-02	496010	157.50



Rubber mounted Harley-Davidson® V-Twins use the engine as a structural part of the chassis. When the engine is removed, it becomes impossible to roll the motorcycle.

- This can incapacitate a lift or, at the very least, tie up floor space
- Our engine dummy plates are designed to take the place of the engine and literally bolt the chassis back together
- With our plate installed, the bike can easily be rolled, making the
- shop more efficient We have done all the work for you: measurements, materials,
- strength and ease of installation are all there • Another quality product from JIMS®, made in USA, that is guaranteed for life



JIMS® CASE SUPPORT BLOCK TOOL

Designed to protect the left engine case while servicing the inner balancer bearings or performing other general work. These blocks attach to the outer side of the case underneath the balancer bearing pads surface. Made of aluminum and has an inserted Delrin pad that rests against the case to prevent marring. Blocks properly support the case, keeping it on a level plane when using a press for bearing service work. Blocks also keep the case level when using P/N 461020 to remove the balancer bearings without an arbor press.

Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FXST, FLST	00-17	461021	83.95



JIMS® ENGINE AND TRANSMISSION PLUG KIT

Designed for the engine and transmission rebuilder. Kit is for plugging the holes on all engine and transmissions when going through the steps of the rebuilding process. No longer do you need to hunt for rags for intake, plugs for speedo sensor or tappet bores, oil passages, spigot holes, etc.

- Eliminates any destructive things from your assembly such as dirt, dust, miscellaneous hardware, etc.
- Kit includes enough pieces for one Twin Cam engine and transmission, Alpha or Beta
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-16	461006	68.00
FXST, FLST	00-17	461006	68.00
FXD	99-17	461006	68.00

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JIMS® HARDWARE ORGANIZERS

These patent pending JIMS® hardware organizers will guarantee that all hardware is organized during powertrain teardown, storage and final assembly. Specific stand for top end, cam chest, transmission and primary, all organizers nest within each other taking up very little space and easily fit in a deep drawer of a tool box. When preparing for job assembly, the stands can be turned on their side for easy loctite preparation.

- Powder-coated in JIMS® durable blue
- Includes silkscreened hardware position art with torque specifications
- · Made in USA



Description	P/N	Retail
Cam Chest	461091	80.95
Primary	461092	76.95
Top End	461093	76.95
Transmission	461094	79.50
Complete Kit - 4 piece, Cam Chest,		
Primary Ton End Transmission	461095	282.50



JIMS® EXHAUST PIPE RETAINING RING INSTALLATION TOOL

Sometimes it's the simple tools that make the daily difference. This patent pending installation tool quickly and easily installs the exhaust pipe retaining ring on almost all H-D® exhaust systems. No more "flying and eye popping" retaining rings.

- This tool makes it easy to install the H-D® No.65325-83A ring in seconds without scratching the exhaust pipe or twisting the ring
- · Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	84-16	461090	82.95
FXST	84-17	461090	82.95
FLST	86-17	461090	82.95
FXD	91-17	461090	82.95
FXR	84-94	461090	82.95
XL	86-17	461090	82.95



S&S® ENGINE STANDS

An economical way to hold an engine on the work bench, for shipping or for display. Constructed of heavy-gauge stamped steel with "S&S" laser cut in both ends. The bulletproof, blue powder-coated finish gives the stands a professional appearance, that is suitable for display and protects them from corrosion and minor abrasions.

· Made in USA



Description	P/N	Retail
36-99 Big Twin Engines	496201	84.95
99-15 Twin Cam A	496203	84.95
00-17 Twin Cam 88B Engines	496205	84.95



JIMS® EXHAUST GASKET SEAL INSTALLER TOOL

No longer do you need to fight trying to install this fragile exhaust seal. Never worry about an exhaust leak again.

- Can be used with exhaust flange nuts or P/N 491803, sold separately
- Either way will position the seal evenly into the exhaust port of head
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	84-16	461016	47.50
FXST	84-17	461016	47.50
FLST	86-17	461016	47.50
FXD	91-17	461016	47.50
FXR	84-94	461016	47.50
XL	86-17	461016	47.50

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490710

124.95

JIMS® EXHAUST STUD **DRILL PLATE**

Made in USA

	7		
HARLEY-DAVIDSON	Year	P/N	Retail
FLH	84-16	490710	124.95
FXST	84-17	490710	124.95
FLST	86-17	490710	124.95
FXD	91-17	490710	124.95
FXR	84-94	490710	124.95

86-17



JIMS® OXYGEN SENSOR SOCKET TOOL

Used to remove or install the oxygen sensor on all closed loop fuel injected H-D® models.

- Socket has a 3/8 in. drive receiver or can be used with a 7/8 in. wrench
- Will withstand up to 125 ft./lbs. of torque
- · Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	06-09	461128	51.95
FXST	06-11	461128	51.95
FXD	06-11	461128	51.95
XL	06-16	461128	51.95
VRSC	06-11	461128	51.95



LANG TOOLS™ ROCKER BOX COVER RATCHET BOLT **WRENCH**

Comfortable ergonomic rubber grip will not scratch chrome while working on rocker box cover. Reversible ratcheting action. Wrench is low profile to allow clearance between the frame and engine. Long handle for increased reach.

Made in USA



Description	P/N	Retail
Wrench	151240	67.95
Replacement Bit, 3 pack	151248	16.95



JIMS® OXYGEN (O2) SENSOR WRENCH

A must for removing and installing Harley-Davidson® new four-wire heated oxygen sensors.

- The new fragile OZ sensor must be torqued to 14 ft.-lbs., lending to the design of this tool to be used with a 3/8 in. drive torque wrench
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	10-16	490792	34.95
FXST, FLST	14-17	490792	34.95
FXD	14-17	490792	34.95



JIMS® THREAD CHASER FOR O2 SENSORS

- Use to fix and clean any ID thread damage that may have occurred in the O2 sensor bung from exhaust carbon of the mating components, both in aluminum or steel
- Made in USA



HARLEY-DAVIDSON	Year	Size	P/N	Retail
FLH, FLT	10-16	12 mm	461026	31.50
FLH, FLT	06-09	18 mm	461025	15.95
Twin Cam	99-14	12 mm	461026 ¹	31.50
FXD	2012	12 mm	461026	31.50
FXD	06-11	18 mm	461025	15.95
XL/XR	86-17	12 mm	461026 ¹	31.50
VRSC	02-16	12 mm	4610261	31.50

¹ Use in spark plug holes



LANG TOOLS™ EXHAUST BRACKET WRENCH

Reversible ratcheting wrench to remove/install the front exhaust bracket on Dyna® Twin Cams® from 99 to present. Vinyl grip prevents the wrench from scratching or marring the bike.

- 9-3/4 in. long with a removable/ replaceable shortened T-27 TORX® bit
- Low-profile design Made in USA

P/N	Retail
151228	40.95





LANG TOOLS™ LOWER ROCKER BOX WRENCH

7/16 in. lower rocker box wrench for Evolution or Twin Cam. Comfortable vinyl grip prevents the wrench from scratching or marring the bike.

- Special 7/16 in. socket protrudes out of the extra long wrench to reach the application
- Made in USA



Description	P/N	Retail
Twin Cam Models	151213	32.95
Evolution Models	151214	32.95

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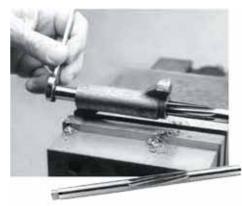


MOTION PRO® 3/16" ROCKER BOX WRENCH

Eases removal of rear rocker box when engine is still in the frame.

- Specially designed for use on Evolution and Twin Cam 88 engines
- Made flat for hard-to-reach places
- Built with a 3/16 in. hex head and adapter hole for a torque wrench

P/N Retail 158473 15.99



JIMS® ROCKER ARM REAMER

Made of the finest American tool steel. Features the correct spiral and lead in for sizing the bronze bushings in your rocker arms. Each reamer individually packaged in its own plastic tube to protect sharpened cutter.

Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	66-16	496148	237.50
FXST	84-17	496148	237.50
FLST	86-17	496148	237.50
FXD	91-17	496148	237.50
FXR	82-94	496148	237.50
FX	71-86	496148	237.50
XL	57-17	496148	237.50



MOTION PRO® PUSH ROD TOOL

No more cut knuckles and scratched engine parts from using a screwdriver between the fins.

- Designed to remove and install the clip in Harley-Davidson® push rod tubes
- Élat portion of tool fits under cylinder head while cupped end fits over the bell in the tube and then compresses the spring allowing for easy access to spring cap retainer

P/N	Retail
158172	24.99



JIMS® ROCKER BOX ALIGNMENT SCREWS

Production tolerances on Twin Cam rocker covers can allow them to shift when being tightened. This can cause misalignment, which not only looks bad but can compromise the sealing surface. In high-lift cam engines that have had the rocker covers relieved, misaligned covers can also cause rocker interference unless even more material has been removed. For these reasons, we have developed alignment screws to ensure that rocker cover alignment is correct. This product offers an improvement in both form and function of Twin Cam rocker covers. The quality you expect from JIMS® allows us to give a lifetime guarantee on these made in USA screws.



P/N Retail 461244 71.50



FEULING® PUSHROD TUBE HOLDER

 Makes for easy adjustment of adjustable pushrods, holding pushrod tubes up and out of the way

Made in USA



P/N Retail 495437 16.95





First thought, why would I need this tool when I've been installing and removing pushrod covers for years with just a screwdriver? Made from black delrin, this tool will not marr or slip, and will install the clip professionally, with just one hand, in seconds! It's a luxury tool that you will appreciate for years to come.

Made in USA



P/N Retail 047736 62.95





S&S® TOP DEAD CENTER TOOL

Makes it easy to find exact top dead center of any engine. This is the best way to calibrate your degree wheel when dialing in cams or performing any of a number of checks and modifications based on the position of the crankshaft.

- For engines with 12mm spark plug holes
- Made in USA



P/N Retail 496620 34.95 AUDIO, VIDEO & NAVIGATION

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JIMS® VALVE SPRING COMPRESSOR FOR USE ON CONICAL VALVE SPRINGS

Add this collar to spring compressor P/N 496098 to remove and replace valves and conical (Bee Hive) O.E.M. 18245-02 springs.

• Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	05-16	495129	90.50
FXST, FLST	05-17	495129	90.50
FXD	05-17	495129	90.50
XL	04-17	495129	90.50
BUELL			
Buell	04-12	495129	90.50



JIMS® VALVE SPRING TESTER

The complete machined assembly is manufactured at JIMS® and includes an American made gauge with a protective rubber boot. Can be used in either a bench vise, arbor, hydraulic, screw press or a drill press.

- Measure any dual rate or conical valve spring up to 600psi
- Use on any dual rate or conical valve spring with a OD no larger than 1.6 in. diameter
- Made in USA



P/N	Ketai
461022	152.95

JIMS® VALVE GUIDE DRIVERS

Pre-Evolution tool for use with 5/16, 11/32 and 3/8 in. guides.

- Evolution tool for use on intake and exhaust guides
- H-D® Evolution
- Made in USA









JIMS® VALVE SPRING COMPRESSOR

- Used to compress valve springs for removal or installation
- Sportster, Big Twin
- H-D®#96600-36B
- Made in USA



P/N	Retail	
496098	202 50	





JIMS® HEAD HOLDER

Designed with a special guide alignment shaft. This shaft holds the right angle for the best possible guide installations. Save time and money by installing the guides, in-line, with the valve seats, time and time again, for much less seat grinding.

- Adaptors are supported by a support stand, which makes pressing valve guides in and out simple
- Comes with adaptors to fit all Harley-Davidson® and aftermarket heads
- Made in USA



P/N	Retail
495077	661.50

JIMS® VALVE GUIDE TOOL

Installs shoulderless valve guides to the proper depth, with handle P/N 496099.

- Designed for stock-style guides with a OD of about .560 in.
- If installing a shouldered guide, use P/N 496000
- Use on all Big Twin motors, Twin Cam 88™
- · Includes all aftermarket heads
- · Made in USA



P/N	Retail
494999	43.00



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JIMS® HEAD BOLT **TOROUE GAUGE**

- Gauge allows the measuring of 90 degrees when lightening Evolution head bolts
- Torquing sequence lasered on gauge
- 86-10 Sportster; 84-10 Big Twin models

P/N	Retail
491826	20.50



JIMS® 7 MM VALVE GUIDE REAMER

Precision quality pilot lead-in reamers made of high-speed steel. This will ream the latest standard and oversize 7 mm valve guides, both H-D® and aftermarket equivalent.

· Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	05-16	461023	175.50
FXST, FLST	05-17	461023	175.50
FXD	05-17	461023	175.50
XL	04-17	461023	175.50



JIMS® SPARK PLUG HOLE THREAD CHASER

Double-ended, 14 and 18 mm thread chaser easily cleans up spark plug holes, reducing the chance of cross-threading.

- Use with 13/16 in. socket
- Use on all 14 and 18 mm spark plug holes
- · Made in USA



P/N	Retail	
495083	14.95	





LANG TOOLS™ 12 MM **SPARK PLUG RETHREADER**

Used to clean-up dirty or damaged spark plug threads.

- 5/8 in. hexagon with O-ring female 3/8 in. square drive
- Made in USA



P/N	Retail
151226	20.95



JIMS® VALVE GUIDE SEAL TOOL

Use to properly install valve guide seals. Installs each guide seal evenly and square on the top of each guide.

- Factory driver spacer not required with JIMS® tool
- Order handle separately for use on seal installer tools
- Use on all Big Twin models 84-04 with 0.560 in. diameter guides
- Includes aftermarket heads
- Made in USA

HARLEY-DAVIDSON	Year	P/N	Retail
Sportster, Big Twin	84-04	496097	56.95
Handle Only		P/N	Retail
Fits JIMS® Valve Seal Tool 49	6097	496099	34.95

BikeMaster



BIKEMASTER® SPARK PLUG HOLE RETHREADER

True the most cross-threaded plugs or ruined lead threads. The thread cutter will pick up on old threads and chase through.

Manufacturer's lifetime warranty

Description	P/N	Retail
M10 x 1.0 mm / M12 x 1.25 mm	151954	11.95
M12 x 1.25 mm / M14 x 1.25 mm	151955	11.95



JIMS® COMPRESSION RELEASE VALVE TOOL

Use this tool for machining all Twin Cam heads 99-Up, for preparing heads to install compression release valves.

- Guide fixture for drilling compression release
- Install on the front or rear head, with or without the valves installed
- Simply drill, spot face, tap and install compression release valves All Twin Cam "A" or "B" models
- Made in USA



P/N	Retail
494969	418.50

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JIMS® EVOLUTION CYLINDER TORQUE PLATES

Late model aluminum cylinders cannot be accurately honed without using torque plates. Simulates stress conditions when boring or honing. Torque plates are drilled for multiple application use and can accommodate up to a 3.4375 - 4 in. bore with stock Evolution bolt pattern. Torque plates are made to fit on cylinders without removal of the ring dowels.

- 66-99 Big Twin with single cam only. Includes aftermarket and S&S® motors
- Made in USA



P/N Retail 521.95 494972









LANG TOOLS™ CYLINDER SLEEVE HOLD DOWNS

Specialty nuts used to hold down the cylinder allows the motor to be turned over with the heads off.

- 3/8"-16 UNC thread
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	84-16	151205	47.95
FXST	84-17	151205	47.95
FLST	86-17	151205	47.95
FXD	91-17	151205	47.95
FXR	84-94	151205	47.95
FX	71-86	151205	47.95
XL	86-17	151205	47.95

BikeMaster



BIKEMASTER® PISTON PIN PULLER

The Piston Pin Puller helps with the removal and installation of piston pins. It prevents damage to the piston during removal when dealing with tight piston pins. You get 3 in. travel of pull. It is a heavy-duty, professional-quality tool with a knurled handle for a no-slip grip.

- 12, 14, 16 and 19 mm adaptors
- Made in USA



P/N	Retail
152156	39.95



JIMS® CYLINDER TORQUE PLATES

Simulate stress conditions when boring and honing.

- Lasered with correct torquing sequence Will fit 88 and 96 in. for 3.75-3.875 in. cylinders
- Use on all Twin Cam Models
- Made in USA



P/N Retail 491841 518.95



JIMS® WRIST PIN REMOVER

Can be easily used by one person.

- No need for another technician to hold the piston
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-06	491838	136.95
FXST, FLST	00-06	491838	136.95
FXD	99-05	491838	136.95

JIMS® PISTON **LOCK RING TOOL**

- Installs spiral-lock rings in one easy step without distorting ring, for the safest wrist pin retention possible
- Install lock ring in piston having .515 in. ID wrist pins, like most aftermarket pistons
- 73 and earlier Big Twin and Sportster
- Made in USA



P/N	Retail
495018	139.50



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JIMS® PISTON SUPPORT PLATE

- Provides a non-marring flat support to push the bottom of the piston against as you install the rings and cylinder over the piston
- All Harley-Davidson® style engines
- Made in USA



P/N Retail 494968 89.95



With a built-in adjuster that helps to prevent overspreading piston rings and rubber non-slip grips, the Piston Ring Installer is professional quality and easy-to-use. It comes with a manufacturer's lifetime warranty.

P/N Retail 152172 15.95



JIMS® PISTON JET TEST STAND

You are able to clear the jet of all assembly lubes, verify the PSI number the jet switches on and visualize the spray pattern. This can all be done before you seal the cases.

- You can perform the test by using regulated air over oil for real life accuracy and visual confirmation or just air for easier clean up
- If you plan on rebuilding more than two Twin Cam engines or lower ends, this tool will pay for itself
- Use on Twin Cam piston jets
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-17	461009	211.50
FXST, FLST	00-17	461009	211.50
FXD	99-17	461009	211.50



BIKEMASTER® PISTON RING COMPRESSOR KIT

Packed in a heavy-duty carrying case, the kit comes with locking band pliers with textured non-slip grip and six bands for pistons ranging from 2-7/8 to 4-3/8 in., 73 to 111 mm. The locking band pliers, which feature a fine locking ratchet allowing precise adjustments of the ring bands. The rings fit a wide range of motorcycles, from dirt bikes to big V-Twins, from 2-7/8 to 4-3/8 in., 73 to 111 mm cylinder bores, all-in-one kit. Piston ring bands are identified with bottom of cylinder markings for easy installation.

• Made in USA



P/N	Retail	
152190	119.95	



BIKEMASTER® SNAP RING PLIERS SET

With four jaws to fit every angle correctly, BikeMaster® Snap Ring Pliers are a great addition to your toolbox. These pliers will work on internal and external snap rings and feature durable, hardened-steel tips. The spring-assisted pliers have comfortable molded-plastic handles and come with a manufacturer's lifetime warranty.

P/N	Retail
51588	14.95



JIMS® ROD HOLDER TOOL

- Keeps connecting rods in place during reaming and honing the wrist pin bushing
- Works well with P/N 491846
- Evolution XL, Big Twin, Twin Cam model
- Made in USA



P/N	Retai
496246	161.50

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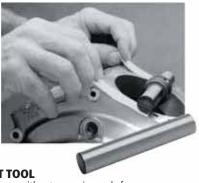
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JIMS® ROD ALIGNMENT TOOL

- Use to check rod straightness without removing rods from case
- Alignment tool is 4-1/2 in. long
- Sportster, Big Twin (exc. Twin Cam)
- Made in USĂ







JIMS® WRIST PIN BUSHING REAMER TOOL

- Can be used with rods in or out of motor
- Reams wrist pin bushing to H-D® specifications
- Made to exact tolerances and piloted to locate on the ID of newly replaced wrist pin bushing
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	99-06	496238 ²	264.95
Big Twin	73-99	494971 ¹	229.95
XL	57-17	494977	229.95
BUELL			
Buell	87-12	494977	229.95

¹ Includes all aftermarket engines

² Fxc. 2006 FXD



LANG TOOLS™ 24 TOOTH CRANKSHAFT ROTATING WRENCH

- Used for rotation of the crankshaft on all 24-spline 2006 Dyna motors
- Used to check engine timing and parts clearance faster
- Comfortable screwdriver-style handle allows more turning with less fatigue to the hand
- Made in USA





JIMS® CONNECTING ROD BUSHING TOOL

- Use to remove and replace wrist pin bushings, without removing connecting rod from crankcase
- Made in USA



Year	P/N	Retail
99-06	491846	134.50
99-05	491846	134.50
00-06	491846	134.50
36-17	4960921	134.50
	99-06 99-05 00-06	99-06 491846 99-05 491846 00-06 491846

¹ All Single Cam



LANG TOOLS™ 10-SPLINE CRANKSHAFT RATCHETING WRENCH

Comfortable screwdriver-style handle allows user to apply more turning power with less pressure and fatigue to the hand.

- Wrench is offset so the handle will not interfere with the motor case
- Reversible ratcheting action so crankshaft can easily be reversed
- 10-spline Sportster
- Made in USA



P/N	Retail
151243	63.95





S&S® ANTI-ROTATION BRACKET

Like an extra set of hands while installing pistons and cylinders or any other operation where you don't want the crank to turn.

- Slides over the sprocket shaft splines of Big Twin engines and bolts to one of the primary bolt holes of the crankcase to keep the crank from rotating
- Made in USA



P/N	Retail
497246	11.95

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BIKER'S CHOICE® TAPPET ADJUSTMENT GAUGE

Provides quick, easy measurement to determine if adjustment is required.

- Hydraulic tappets only
- Zinc-plated

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	66-84	94438-79	493387	5.95
FX	71-84	94438-79	493387	5.95



EXCLUSIVE

BIKER'S CHOICE® TAPPET GUIDE ALIGNMENT TOOL

The perfect fit for your needs.

HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	77-98	33443	489761	14.95
FXST	84-99	33443	489761	14.95
FLST	86-99	33443	489761	14.95
FXD	91-98	33443	489761	14.95
FXR	82-94	33443	489761	14.95
FX	77-86	33443	489761	14.95

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JIMS® TAPPET BLOCK

ALIGNMENT TOOL

Use to align hole from crankcase to tappet block. Purchase two and use to align rocker boxes on Evolution style heads.

- Also used to align Twin
 Cam oil pump
- Made in USA



HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	77-98	33443	461703	23.95
FXST	84-99	33443	461703	23.95
FLST	86-99	33443	461703	23.95
FXD	91-98	33443	461703	23.95
FXR	82-94	33443	461703	23.95
FX	77-86	33443	461703	23.95





JIMS® TAPPET POSITION HOLDING TOOL

Expert technicians know that keeping the same parts operating in their original position and direction is a good idea, this is especially true with the tappets. Whenever the tappets are removed, in the case of a camshaft change or complete tear down, the new Tappet Position Holding Tool allows the tappets and anti-rotation pins to be safely and accurately stored for proper reinstallation. Tappet locations are clearly referenced on the tool, which also serves to protect the tappets from damage when removed from the engine.

 For all Twin Cam engines 1999 to present and 2000 to present XL and Buell (except 1125R)

P/N	Retail
461262	59.95



re using this 5 or 10 weight

NEW!

FEULING® LIFTER PUMP UP TOOL

This tool easily pumps up hydraulic lifters, using thin 5 or 10 weight motor oil or automatic transmission fluid to pump oil into the lifter side feed hole to push all of the air out of the lifter internals. You will see air bubbles come out the top pushrod seat hole, Its best to work the oil back and forth from the side feed hole and back through the top pushrod seat hole to work all the air out. This will ensure the lifter is fully pumped up and will not run dry on initial start up.

P/N Retail 488158 11.95

NEW!

JIMS® VACUUM TAPPET TOOL

- Bleeds and pumps up hydraulic lifters special jar, designed for vacuum, holds up to four hydraulic lifters in a convenient tray
- Apply the vacuum to fully bleed the lifters and have them ready to install
- Removes the risk of using the starting system to pump up the lifters or damage to the valve train at low rpm if the lifters are not fully bled
- Made in USA



P/N	Retail
467982	79.50



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MOTION PRO® TAPPET SCREW PLUG TOOL

Designed for use with 7/16 in. combination wrench to allow for maximum rotation without touching engine cases. O-ring design retains the tool in wrench or socket. Flange design allows downward force to be applied to tool. Can be used without removing exhaust pipes on most bikes.

- For use on Big Twin (excluding twin cam) with slotted screw tappet oil filter screen cover
- Tappets should be serviced at every oil change

P/N Retail 158475 11.50



95724-57

496088

49.50



57-E78

JIMS® OVERSIZE TAPPET REAMER TWIN CAM CASE SAVER

Can be a case saver if you have worn out or damaged tappet bores. Includes a top quality reamer designed for this application to perform a perfect finish hone on each tappet hole.

- Designed to ream the case to fit P/N 461036 +.010 oversize Twin Cam Powerglide™ II lifter and steady roll lifters
- Use on any Twin Cam engine, O.E.M. or aftermarket
 Made in USA

Made in USA

P/N Retail 461035 349.00



JIMS® TAPPET ADJUSTMENT TOOL

Tappet adjustments made easy by Hiro Koiso. This patent pending hand tool simplifies the way to verify proper tappet adjustment. After adjusting the tappet, simply insert the tip of this tool under the hydraulic unit retaining clip, above the pushrod seat. Similar to a "Go No-Go Gauge," if the tip doesn't fit between the clip and the pushrod seat or if there is up and down end play, then the tappet is out of adjustment. Only when the tip fits nicely with no end play is the tappet properly adjusted.

- Use on most hydraulic tappets, O.E.M. and aftermarket, for Twin Cam or Evo
- Made in USA

Note: Does not work on Solids, JIMS® Hydrosolids or other limited travel tappets.



P/N Retail 28.50 047733



JIMS® TAPPET SCREEN PLUG TOOL

Use to remove tappet oil filter screen plug without removing exhaust pipes.

Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	70-98	491827	32.95
FXST	84-99	491827	32.95
FLST	86-99	491827	32.95
FXD	91-98	491827	32.95
FXR	82-94	491827	32.95
FX	71-86	491827	32.95

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FEULING® PRESSURE RELIEF PRESSURE TEST TOOL

Bench test the camplate before installation.

- Set the relief valve spring pressure to your desired pop-off psi
- Includes regulator and pressure gauge
- Made in UŠA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH, FLT, FXST, FLST	99-06	495204	199.00
FXD	99-05	495204	199.00

FEULING® PRESSURE RELIEF SPRING/VALVE REMOVAL TOOL

Makes for easy removal and installation of the pressure relief spring and bypass valve.

- Holds the spring and valve for easy install/removal of the roll pin
- Fits all Twin Cam camplates
- Made in USA









NEW!

FEULING® CAMPLATE REAMER TOOLS

Engine builders can use this reamer to perform a valve job on the pressure relief valve seat of all TC engine camplates, factory and aftermarket. Best used in conjunction with Feuling pressure test tool #9010, lightly machine (clean) the camplate relief valve seat and re-seat the plunger valve. Feuling recommends installing a new relief plunger valve - See Feuling #8002 or #8004.

P/N	Retail
488159	119.95



NEW!

FEULING® PRESSURE RELIEF PRESSURE TEST TOOL REPLACEMENT PARTS

Bench test the camplate before installation.

Description	P/N	Retail
Air Regulator	488160	28.50
Camplate Tool Gasket	488161	7.99



FEULING® CRANKSHAFT RUN OUT AND GEAR DRIVE BACKLASH MEASURING TOOL

Simplifies and speeds the process of checking crankshaft run out on both Twin Cam® and EVO® model engines with the crankshaft installed. Mounts to the cam chest side of the engine case using the designated mounting holes of the tool combined with the handled thumb screws and the case cam cover bolt holes. Gives quick and accurate readings of the engine's crank pinion shaft run out and makes for a great display to show and explain to customers the condition of their crankshaft. Quickly and accurately measures gear drive back lash on Twin Cam engines, using the supplied spacer to bolt indicator to top right cam cover bolt hole.

- Tool includes: tool plate, +/-0.001 in. dial indicator, thumb screws and hardware
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	84-16	496391	115.95
FXST	84-16	496391	115.95
FLST	86-16	496391	115.95
FXD	91-16	496391	115.95
FXR	84-94	496391	115.95

FEULING® CRANKSHAFT RUN OUT AND GEAR DRIVE BACKLASH 1" DIAL INDICATOR

Replacement 1 in. Dial Indicator for the Feuling® Crankshaft Run Out and Gear Drive Backlash Measuring Tool.

P/N	Retail
496392	24.95

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SEATS & SISSY BARS

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TIRES & Wheels

BRAKES

CHASSIS

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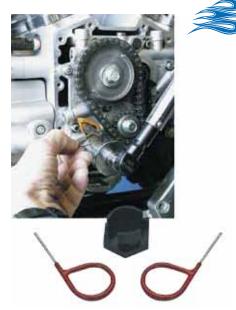
JIMS® FLYWHEEL RUNOUT (TRUENESS) INSPECTION GAUGE

Check flywheel runout of the pinion shaft while assembled in engine case; check the amount of gear lash on gear driven cams used in some Twin Cam engines. By using Jims® Tire Rotator (P/N 461085) you can remove most all of the stress being applied to the flywheel by not rotating the engine with the electric start motor.

Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	70-17	490793	113.95
FXST	84-17	490793	113.95
FLST	86-17	490793	113.95
FXD	91-17	490793	113.95
FXR	82-94	490793	113.95
FX	71-86	490793	113.95



JIMS® CAM CHAIN TENSIONER TOOL

Used to unload the pressure on the primary and secondary chain tensioners.

- Also checks spring loads on chain tensioners
- · Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-06	491843	52.95
FXST, FLST	00-06	491843	52.95
FXD	99-05	491843	52.95





JIMS® CAM/CRANK SPROCKET LOCK TOOL

Allows to lock the camshaft and crankshaft sprockets to properly remove, replace and torque the sprocket bolts.

- Made from non-marring Delrin
- · Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	07-17	495132	79.50
Dyna	06-17	495132	79.50
Twin Cam	99-06	491844¹	55.50

1 Exc. 2006 Dyna



JIMS® INNER CAM BEARING REMOVER TOOL

Removes the inner cam bearing. Keeps all pin bearings from falling into the engine case.

- Install cam bearings with P/N 495146
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	07-17	495134	283.95
Dyna	06-17	495134	283.95
Twin Cam	99-06	491842 ¹	176.95

1 Exc. 2006 Dyna

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BEARING INSTALLER TOOL

Presses in the two inner cam bearings. Designed to press from letter side of the inner cam bearings by putting all the pushing pressure to the very outer wall of bearing shell. Eliminates any damage to the bearings, cam and cases. Stops at the case and sets the bearing depth to .023 to .028 in. below the case surface.

- A must use for the longest bearing and cam life
 Use with P/N 495134 and 491842
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-16	495146	215.50
FXST, FLST	00-17	495146	215.50
FXD	99-17	495146	215.50





HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-06	491845	239.95
FXST, FLST	00-06	491845	239.95
FXD	99-05	491845	239.95



JIMS® CAM BEARING PULLER TOOL

Easily pulls bearings from cases while preventing rollers from coming out during removal.

- Used to remove inner cam bearing without splitting cases
- · Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	58-99	4961381	185.95
Sportster	57-90	496156	185.50
BUELL			
Buell	87-90	496156	185.50
1 Eye Twin Cam			



JIMS® CAMSHAFT **REMOVER AND INSTALLER**

Will remove and replace front and rear camshafts and ball bearings. Provides the precision alignment of the camshaft to insure a smooth press in and out of the support plate.

Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-06	491840	193.95
FXST, FLST	00-06	491840	193.95
FXD	99-05	491840	193.95



JIMS® CAM ASSEMBLY TOOL

Holds both cams in an upright position while lowering the cam support plate over both guides and cam journal guides.

- Manufactured from non-marring material that will not damage any of the cams' surfaces
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	07-16	495130	184.50
FXST, FLST	07-17	495130	184.50
FXD	06-17	495130	184.50

JIMS® CRANKSHAFT **BUSHING TOOL**

This tool will remove and install crankshaft bushing in the support plate on a Twin Cam 88™.

Piloted for accurate operation

· Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	99-16	491847	131.00
FXST, FLST	00-17	491847	131.00
FXD	99-17	491847	131.00

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JIMS® INNER CAM BEARING INSTALLATION TOOL

Easily presses the inner cam bearing smoothly into the right case with the cases assembled to the proper depth.

- Use P/N 496138 to remove bearing
- Includes aftermarket and S&S®

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	58-98	494970	160.00
FXST	84-99	494970	160.00
FLST	86-99	494970	160.00
FXD	91-98	494970	160.00
FXR	82-94	494970	160.00
FX	71-86	494970	160.00





Use to install inner cam bearing.

• Made in USA

Note: Must be used with P/N 491803 handle.

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	58-98	496154	76.95
FXST	84-99	496154	76.95
FLST	86-99	496154	76.95
FXD	91-98	496154	76.95
FXR	82-94	496154	76.95
FX	71-86	496154	76 95



JIMS® PINION GEAR LOCKING TOOL

- Use P/N 496082 tool to tighten pinion nut
- Can also be used on aftermarket and S&S® motors
- · Made in USA



² Exc. Twin Cam

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	54-99	491816 ²	149.50
Sportster	00-17	498646	50.50
Sportster	91-99	498647	50.50
BUELL			
Buell	00-16	4986461	50.50
Buell	91-99	498647	50.50
1 Exc. 1125R			



Removes and installs cam seal without removing the cam cover. Simple to use, just mount tool in cover, screw in the two removing screws, turn center and out comes the cam seal. The new seal is pressed in with the

JIMS® CAM SEAL INSTALLER AND REMOVER

same tool, square and flat for a no leak fit. · Will also remove cam cover from case

Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	70-98	494978	142.95
FXST	84-99	494978	142.95
FLST	86-99	494978	142.95
FXD	91-98	494978	142.95
FXR	82-94	494978	142.95
FX	71-86	494978	142.95

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A must for engine builders.

- · Check the alignment of cam bearing to cam cover bushing to well within .0003 in. of centerline
- Any binding of this tool indicates misalignment of cam cover and/or bushing
- Big Twin with single cam only; includes aftermarket and S&S® motors
- · Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	70-98	495071	87.50
FXST	84-99	495071	87.50
FLST	86-99	495071	87.50
FXD	91-98	495071	87.50
FXR	82-94	495071	87.50
FX	71-86	495071	87.50



JIMS® PINION BUSHING DRILL JIG

Use to install and drill dowel pin hole in pinion bushing at the stock location.

· Made in USA



HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	54-92	25582-54/73	496132	52.50
FXST	84-92	25582-54/73	496132	52.50
FLST	86-92	25582-54/73	496132	52.50
FXD	91-92	25582-54/73	496132	52.50
FXR	82-92	25582-54/73	496132	52.50
FX	71-86	25582-54/73	496132	52.50



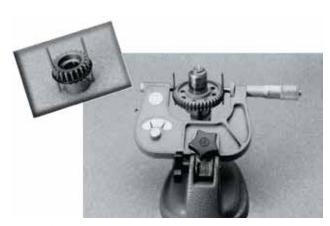
JIMS® PINION BUSHING PULLER

Use to remove bushings from cam cover in one easy operation.

· Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	54-98	496137	171.50
FXST	84-99	496137	171.50
FLST	86-99	496137	171.50
FXD	91-98	496137	171.50
FXR	82-94	496137	171.50
FX	71-86	496137	171.50



JIMS® CAM AND PINION GEAR GAUGE PINS

- Checks pinion and cam gears for pitch diameters
- Complete sizing chart is included with the .105 in. gauge pins
- Made in USA
- Sold in sets of two



.105" Pins

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	54-89	494981	30.50

Single cam engines only, includes S&S® and aftermarket

HARLEY-DAVIDSON	Year	P/N	Retail
Big Twin	90-99	494986	30.50

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Retail 490715 96.00

JIMS® OIL PUMP

SEAL INSTALLER

Fits Big Twin models with aluminum oil pumps (exc. Twin Cam).

Made in USA





JIMS® GEAR SHAFT NUT SOCKET WRENCH

Special socket makes removal and installation of special gear shaft nut easy.

Made in USA

JIMS® OIL PUMP

SNAP RING INSTALLER Easily installs outer snap ring

on oil pump shaft, without

over stretching the ring.

S&S® motors

• Made in USA

P/N

495020

All Big Twin oil pumps

single cam only. Includes aftermarket and

Retail

69.50



HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	54-92	94555-55A	496082	50.95
FXST	84-92	94555-55A	496082	50.95
FLST	86-92	94555-55A	496082	50.95
FXD	91-92	94555-55A	496082	50.95
FXR	82-92	94555-55A	496082	50.95
FX	71-86	94555-55Δ	496082	50 95

JIMS® PINION GEAR PULLER

Use to remove the pinion gear. May also be used to install pinion gear.

Collar included

HARLEY-DAVIDSON	Year	P/N	Retail
EL, FL, FLH	32-92	461377	266.95
FXST	84-92	461377	266.95
FLST	86-92	461377	266.95
FXD	91-92	461377	266.95
FXR	82-92	461377	266.95
FX	71-86	461377	266.95
XL	57-76	461377	266.95





JIMS® ALTERNATOR ROTOR REMOVAL AND INSTALLATION TOOL

This tool is a must have for 45-Amp charging systems. Pulls the rotor free from its magnetic hold.

Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	97-06	494973	120.50





EVOLUTION INDUSTRIES ALTERNATOR ROTOR REMOVAL AND INSTALLATION TOOL

- Designed for 45-Amp charging systems.

 Also fits most cups with a two-hole drilled system
- Will safely pull the rotor free from its magnetic hold
- Simply pinch and pull off rotor cup
- Heat-treated then black oxide finish

Retail P/N 411637 29.99

1090



JIMS® TWIN CAM TIMKEN CASE BEARING **CONVERSION TOOL**

A must for the big cubic inch late model Twin Cam engine builder. It may also be used to replace the bearing for stock 88 or 96 in. engines. Utilizing the special JIMS® precision insert, it is designed to easily and accurately convert the left side crankshaft roller bearing (H-D® #24604-00D) to the more durable Timken® bearing (H-D® #9028).

• This job can be performed with normal hand tools, a hand drill and a two ton press

Order bearing inserts and Timken® bearings separately

Made in USA

Includes: A new steel bearing insert held to under .0002 in. TIR (total indicator reading); A press plate that will hold the bearing insert in line with the case bearing bore at the time it is being pressed into case

All the necessary drill bits to drill oil feed and return holes, hardware and detailed instructions

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HARLEY-DAVIDSON	Year	P/N	Retail
FLH	03-16	461104	1251.50
FXST, FLST	03-17	461104	1251.50
FXD	03-17	461104	1251.50

CASE BEARING SLEEVE

Replacement sleeve for the Twin Cam Timken Case Bearing Conversion Tool.

Description	P/N	Retail
Replacement Sleeve, 6 pack	461034	1026.95
Replacement Sleeve	461080	173.95





JIMS® CRANK REMOVAL TOOL

Used to press flywheels from cases and to break the sealant bond. Made in USA

Note: On Twin Cam B motor this tool can only be used for removing the flywheel from the left case.

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	55-06	496158	240.50
FXST	84-06	496158	240.50
FLST	86-06	496158	240.50
FXD	91-05	496158	240.50
FXR	82-94	496158	240.50
FX	71-86	496158	240.50



JIMS® CRANKSHAFT BEARING TOOL

This quality tool is designed to remove and replace the right crankcase bearing. Moveable fingers allow a multitude of bolt patterns to be used so it will work on a variety of models.

Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	99-02	491848 ¹	190.50
Twin Cam	03-17	498645 ²	187.50

1 A models

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 HARLEY-DAVIDSON
 Year
 P/N
 Retail

 FXST, FLST
 00-17
 494987
 277.95



JIMS® BALANCER INNER BEARING REMOVER AND INSTALLER

Accurately and safely install or remove the inner balancer bearing mounted in the left engine case.

- Designed for early or late Beta cases and can all be done on a work bench without using an arbor press
- Made in USA

HARLEY-DAVIDSON	Year	P/N	Retail
FYST FIST	00-17	461020	210 00



Must-have tool for proper assembly or disassembly of the Beta engine balancer system.

 Use these retainers to hold the hydraulic chain tensioners in place when repairing all Beta engines

HARLEY-DAVIDSON	Year	P/N	Retail
FXST, FLST	00-17	461001	32.50



JIMS® BALANCER SHAFT ALIGNMENT TOOL

A must-have for maintaining a long life of your balancer's drive chains and bearings.

- Takes all the guess work out of setting up your sprocket and chain alignment on a "B" Beta Twin Cam Softail engine
- Designed to fit early or late balancer shaftsMade in USA



JIMS® BALANCER SHAFT BEARING REMOVER AND INSTALLER

Performs like JIMS® other bearing removers by simplifying bearing removal. Pulls the bearings from the "B" motor case in one easy smooth motion preventing any damage to the bearing bores.

- The installing portion of this tool is designed to push on the outer diameter of bearings preventing any damage to the bearing or its bore
- Use installer portion of this tool with P/N 491803
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FXST, FLST	00-17	495019	139.95



JIMS® BALANCER SHAFT RETENTION PINS

Secures the engine balancers on Twin Cam B engines when servicing the flywheel assembly.

- Locks into the balancer's sprocket pin holes to prevent the balancer from turning out of sync with the flywheel
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FXST FLST	00-17	494975	24 50



JIMS® TWIN CAM CRANKSHAFT BEARING INSTALLER AND REMOVER

Designed to protect expensive engine cases by using a specially designed support block to remove or install cam side crankshaft bearing.

Made in USA

HARLEY-DAVIDSON	Year	P/N	Retail
FXST, FLST	00-17	495016	360.95

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JIMS® TIMKEN BEARING SIMULATOR

Designed to allow quick and easy removal and replacement of flywheel assembly in the left-side crankcase when checking clearances.

Includes Twin Cam and aftermarket motors

- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	70-02	490728	72.95
FXST	84-02	490728	72.95
FLST	86-02	490728	72.95
FXD	91-02	490728	72.95
FXR	82-94	490728	72.95
FX	71-86	490728	72.95

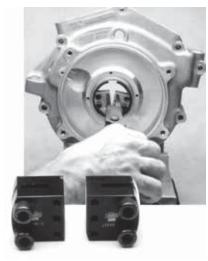


JIMS® BEARING AND RACE PULLER

- Use on all 02-15 V-Rod models to correctly remove press fit; transmission gears and bearings from input and output shafts
- Made in USA
- All Buell models to remove the flywheel sprocket shaft inner bearing race or the Timken bearing; also removes the pinion shaft inner bearing race.



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	55-10	461124	322.90
FXST	84-10	461124	322.90
FLST	86-10	461124	322.90
FXD	91-10	461124	322.90
FXR	82-94	461124	322.90
FX	71-86	461124	322.90
XL	54-14	461124	322.90
V-Rod	02-15	461124	322.90



JIMS® SNAP RING INSTALLATION AND REMOVAL TOOL

A must for replacing rings in cases without inserts.

- Replaces snap rings without fear of gouging the aluminum Can also be used on aftermarket and S&S® and JIMS® motors
- Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	69-02	490727	102.50
FXST	84-02	490727	102.50
FLST	86-02	490727	102.50
FXD	91-02	490727	102.50
FXR	82-94	490727	102.50
FX	71-86	490727	102.50



JIMS® SPROCKET SHAFT SEAL INSTALLATION TOOL

- Use to press oil seal over sprocket shaft into case.

 Can also be used on aftermarket and S&S® motors
- Use with P/N 496106 (Mfg/N 97225-55)
- · Made in USA



HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
FLH	69-16	39361-69	491805	108.95
FXST	84-17	39361-69	491805	108.95
FLST	86-17	39361-69	491805	108.95
FXD	91-17	39361-69	491805	108.95
FXR	82-94	39361-69	491805	108.95
FX	71-86	39361-69	491805	108.95

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JIMS® TIMKEN BEARING RACE INSTALLER

Press in bearing races straight time after time. Use to install bearing races in left crankcase.

- A must on later engine cases
- Made in USA

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HARLEY-DAVIDSON	Year	P/N	Retail
FLH	69-02	491824	262.95
FXST	84-02	491824	262.95
FLST	86-02	491824	262.95
FXD	91-02	491824	262.95
FXR	82-94	491824	262.95
FX	71-86	491824	262.95
XL	77-02	491824	262.95
BUELL			
Buell	87-02	491824	262.95



JIMS® TIMKEN BEARING REMOVER

Removes the sprocket shaft bearing.

Made in USA



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	86-16	494979	250.50
FXST	84-17	494979	250.50
FLST	86-17	494979	250.50
FXD	91-16	494979	250.50
FXR	86-94	494979	250.50





496112

Installation Tool

• Installs sprocket shaft bearing and pulls lower end into left case

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HARLEY-DAVIDSON	Year	O.E.M.	P/N	Retail
Big Twin	55-02	97225-55	496106	201.50
K, XL	52-76		496112	187.95

Adaptor Kit

Upgrade P/N 496106 bearing installer to work on the latest spline Twin Cam sprocket shafts. Designed to either install H-D® #9028 Timken® bearing or the roller bearing race assembly H-D® #24004-43 onto the sprocket shaft.

HARLEY-DAVIDSON	Year	P/N	Retail
FXD	06-16	461129	84.40
FXST, FL	07-16	461129	84.40



JIMS® SPROCKET SHAFT BEARING RACE TOOL

Use to remove and install Timken® bearing race from engine case.

Note: Use P/N 491803 driver handle and P/N 491837 spacer.



HARLEY-DAVIDSON	Year	P/N	Retail
Twin Cam	99-02	491801	82.95
Big Twin	55-99	491801	82.95

Driver Spacer

Description	P/N	Retail
Use with all JIMS® Bearing Race Tools	491837	45.95

1094 2017 BIKER'S CHOICE CATALOG BIKER'S + CHOICE



Not only protects your hands from the heat, but aids riders with limited hand strength in easily checking their oil level. Allows riders and mechanics to quickly and safely remove the engine oil level dipstick that lies precariously close to a scorching hot exhaust pipe. Features include a square hole for 3/8 in. ratchet fitment, 7/8 in. hex for wrench fitment and a cutout for clearance around the exhaust pipe.

- Made in USA from non-marring black Delrin, ensuring strength, durability and heat resistance
- Manufacturer's lifetime warranty



HARLEY-DAVIDSON	Year	P/N	Retail
FLH	07-11	461002	27.95
FXD	06-11	461002	27.95



JIMS® SLIM OIL FILTER WRENCH

Exclusive design makes it much easier to navigate near both the oil cooler and the crankcase position sensor and allows you more room to work around the exhaust pipes, frame, hoses and brackets, etc.

- Incorporates a 3/8 in. square drive and guarantees a good grip on any H-D® spin-on oil filter with a 14-flute end
- Manufacturer's lifetime warranty
- Made in USA



P/N	Retail		
461068	34 95		



EVOLUTION INDUSTRIES OIL FILTER WRENCH

One-piece construction, does not expand and no spot welds that snap loose. Aircraft quality 6061 aluminum. Domed on the inside to contour to the oil filter radius. Also has a large cut-out in order to clear the crank position sensor on Twin Cam models.

- Can be used with 3/8 in. drive or 15/16 in. socket
- Fits all O.E.M.-style filters from Evolution to present Twin Cam models
- · Made in USA





The Oil Filter Cutter is a must for any shop of performance enthuiast.

- Allows easy disassembly and internal inspection of any spin-on type filter for debris or other foreign material
- Perfect for monitoring during the break-in period or anytime inspection is necessary
- Aluminum construction with a steel threaded shaft ensures ease of use and durability
- Can be bolted to a workbench or clamped in a vise if desired

P/N	Retail		
604202	69.95		



MOTION PRO® OIL FILTER STRAP WRENCH

Fits all spin on type oil filters.

- 3/8 in. drive
- Made in USA



P/N	Retail		
068069	11.99		







BIKEMASTER® GEAR LEVERAGE OIL FILTER WRENCH

This oil filter wrench removes all oil filters from 2-1/2 to 4 in. diameter. Its unique design uses gear leverage to clamp the body of the oil filter so the gears can work forward and reverse for removal and installation. It can be used with 1/2 in. drive ratchets or 21mm wrenches and features quality steel construction with black oxide finish for long tool life.

P/N	Retail		
152262	17.95		



AUDIO, VIDEO & NAVIGATION

INDIAN & VICTORY

WINDSHIELDS

SEATS & SISSY BARS

LUGGAGE

SECURITY & COVERS

TIRES & WHEELS

BRAKES

CHASSIS

SUSPENSION

SHEET METAL

EXHAUST

FUEL & AIR Systems ENGINE & OIL FILTERS

PRIMARY DRIVE

TRANSMISSION & FINAL DRIVE

GASKETS &

HANDLEBARS & CONTROL

CABLES

FOOT CONTROL

INSTRUMENT & LIGHTING

ELECTRICAL

TRAILERS & RAMPS

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EXCLUSIVE **BIKER'S CHOICE® OIL FILTER WRENCH**

Makes even hard-to-reach filters easy to change.

Retail P/N 151754 7.95



Description	P/N	Retail
74/76 mm	151322	9.99
76 mm	151220	0.00



BIKEMASTER® OIL DISPENSER AND DRAIN PAN

The dispenser and drain pan is resistant to chemicals with enough capacity for most machines.

Description	P/N	Retail
5 liter Oil Dispenser	151896	13.95
8 liter Drain Pan	151897	15.95



BIKER'S CHOICE® CLEAR TIMING PLUGS

Clear, polished acrylic timing plug allows viewing of timing marks at full advance RPM.

Fliminates oil spray



492497

BikeMaster



EXCLUSIVE

BIKEMASTER® 65-80 MM ADJUSTABLE FILTER WRENCH

Heavy-duty, forged and machined steel parts make up the BikeMaster® 65-80mm Adjustable Filter Wrench. It fits all round filters from 2-3/8 to 3-1/4 in. and comes with a manufacturer's lifetime warranty.

Retail 69.95 151577



EXCLUSIVE

BIKEMASTER® 1/2" OIL FILTER STRAP WRENCH

With its universal fit and high friction, this wrench will tackle just about any job. It is made from quality materials for years of use.

P/N	Retail	
151883	7.95	





TWIN POWER POINTS IGNITION TIMING TOOL

Locks advance mechanism for simplified static timing adjustments (point type).

HARLEY-DAVIDSON	Year	P/N	Retail
FLH	70-E78	492957	14.50
FX	71-E78	492957	14.50
XI	71-78	492957	14 50

NEW! EXCLUSIVE

TWIN POWER TIMING PLUG

• For all big twin and XL models with timing plug

Increased length allows full view of timing marks with no mess

P/N Retail 487053 8.50

• Lillilliates oil spid	шу						
HARLEY-DAVIDSON	Year	Long	O.E.M.	Retail	Short	O.E.M.	Retail
FLH	36-98	493348	96295-65B	7.45	492497	96295-65TA	3.50
FXST	84-99	493348	96295-65B	7.45	492497	96295-65TA	3.50
FLST	86-99	493348	96295-65B	7.45	492497	96295-65TA	3.50
FXD	91-98	493348	96295-65B	7.45	492497	96295-65TA	3.50
FXR	82-94	493348	96295-65B	7.45	492497	96295-65TA	3.50
FX	71-86	493348	96295-65B	7.45	492497	96295-65TA	3.50