



### **Performance Kits**

883 to 1200cc Conversion Kit ...	303
1250cc Conversion Kit .....	302
Hooligan .....	301
Performance Kit Overview.....	300
Sidewinder Big Bore Kit .....	304

### **Performance Engine**

SB100 Engines.....	305
--------------------	-----

### **Performance Parts**

Air Cleaners .....	325
Camshafts .....	312
Carburetors.....	330
Crankcases .....	306
Cylinders & Pistons.....	308
Cylinder Heads .....	321
Electronics .....	336
Flywheels .....	307
Gaskets .....	337
Gearcover.....	308
Manifolds .....	335
Pushrods .....	316
Rocker Arms .....	320
Rocker Covers.....	325
Tappets .....	313
Valve Springs .....	319

### **Replacement Parts .....339**

## PERFORMANCE KIT OVERVIEW

### FOR HARLEY-DAVIDSON® SPORTSTER® & BUELL®



#### **1250CC CONVERSION KIT**

This is the largest big bore kit S&S offers for Harley-Davidson® Sportster® models, that can be bolted directly to stock crankcases. Quick and easy to install. Fast on the strip. Over 90 hp typical with S&S exhaust, cams, and CNC ported heads — Using the stock fuel system! (See page 302)



#### **883 TO 1200CC CONVERSION KIT**

Boost any 883cc Harley-Davidson® Sportster® to 1200cc. No machine shop? No problem, no machining is needed. Don't want to rebalance your stock 883cc flywheels? You don't need to since these pistons weigh the same as stock 883 pistons. Cylinder head modification is also not needed. The dished piston dome keeps compression down to a streetable 9.4:1 with stock 883cc heads. Installing this kit takes the same time as replacing a stock top end. It's just more fun when you're done. (See page 303)



#### **HOOLIGAN KIT**

Whether you're racing Hooligan flat-track or just want more power, the S&S Hooligan kits for 2000-'16 Harley-Davidson® Sportster® models will give you an edge on the competition. Boost that 883 to 1200cc. Already running a 1200? Bring it up to 1250cc. 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. (See page 301)



# HOOLOGAN KITS

## FOR 2000-2016 HARLEY-DAVIDSON® SPORTSTER® MODELS

### FITMENT

- 2000-2016 Harley-Davidson® Sportster® models

### FEATURES & BENEFITS

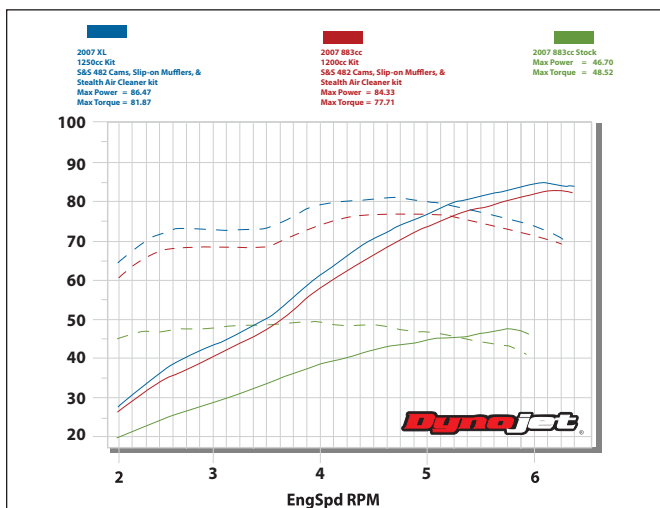
- Easy installation — Bolt-on parts — no machining, no rebalancing
- Increase 883cc engines to 1200cc
- Increase 1200cc engines to 1250cc
- Use stock heads, pushrods, and fuel system\*
- Available in wrinkle black or silver powder coat that matches stock finish

\*For maximum performance gains use with S&S Stealth air cleaner and S&S Slip-on mufflers.

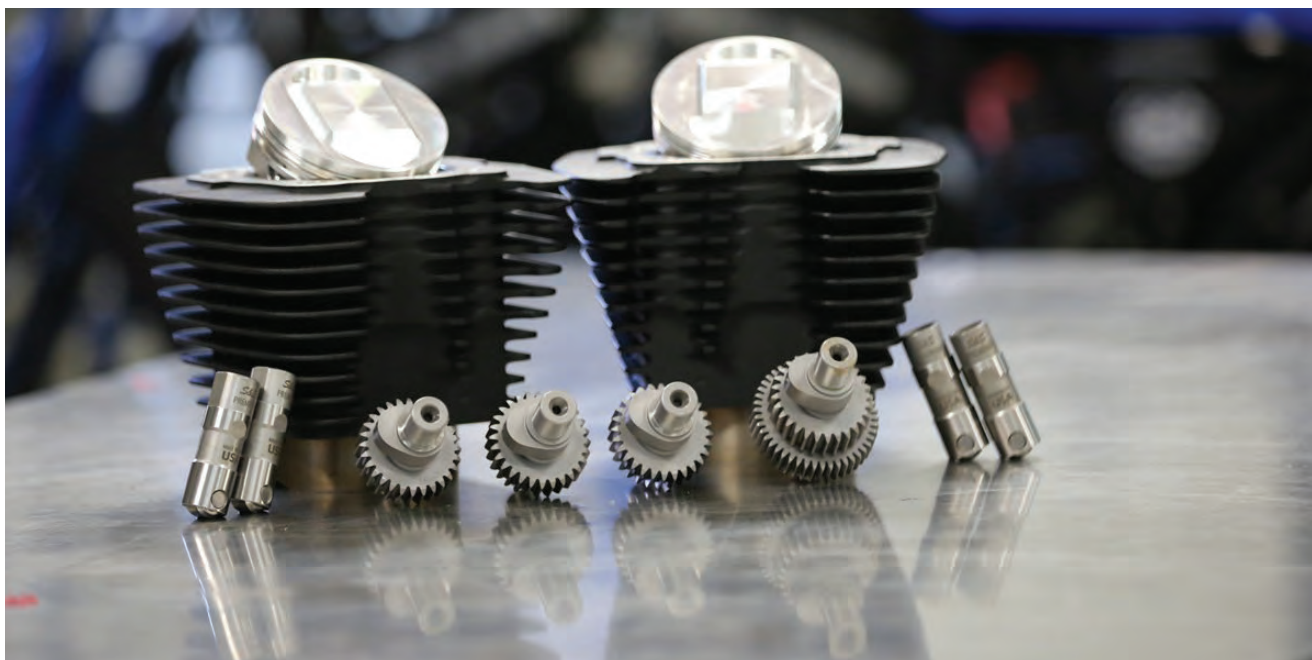
### HOOLOGAN KITS

Kit	Finish	Part #	MSRP
883cc to 1200cc	WBlack	<b>910-0606</b>	\$1,630.43
883cc to 1200cc	Silver	<b>910-0607</b>	\$1,630.43
1200cc to 1250cc	WBlack	<b>910-0608</b>	\$1,644.86
1200cc to 1250cc	Silver	<b>910-0609</b>	\$1,644.86

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This dyno chart from our DynaJet® 250i chassis dyno, makes it easy to see why S&S Hooligan kits raise the fun factor and give you a competitive edge. The S&S 1200cc kit with stock 883 heads increases horsepower by 80% over the original stock 883cc engine. The 1250cc kit shown here had 1200 heads. Stock 883 heads cannot be used on the 1250cc kit. Even more power is available with the S&S CNC cylinder head porting service. Do you want to win, or are you just along for the ride?



# 1250cc CONVERSION KIT

FOR 1986-2017 1200cc HARLEY-DAVIDSON® SPORTSTER® MODELS

**FITMENT**

- 1986-2017 1200cc Harley-Davidson® Sportster® models
- 1986-2017 883cc Harley-Davidson® Sportster® models

**FEATURES & BENEFITS**

- Forged pistons — coated piston skirts with measurement window
- Stock 1986 -2017 1200cc cylinders can be bored over to accept these pistons
- Pistons have larger than stock valve pockets — accepts up to 2.00" valves

**OPTIONS**

- Silver powder coat finish
- Wrinkle black (WBlack) powder coat finish

**KIT CONTENTS**

- S&S 1250cc pistons w/rings and wristpins
- S&S 3 3/16" bore cylinders
- MLS head, base, and exhaust gaskets
- Assembly lube
- Instructions



910-0446

**S&S® 1250cc CYLINDER AND PISTON CONVERSION KITS**

Fitment	Piston Type	Compression Ratio	Finish	Part No.	MSRP
1986-2017 Sportster®	S&S Forged Flat top	10.3:1	Silver	910-0433	\$1,006.05
			WBlack	910-0443	\$1,006.05
	S&S Forged 5.5cc dome	11.2:1	Silver	910-0436	\$1,008.95
			WBlack	910-0446	\$1,008.95

*\*The cylinder fin profile does not perfectly match the fins on 2004 and later stock heads, but the difference is not considered to be objectionable. See Photos.  
Compression ratios given are with 60cc combustion chambers.*

**DISCLAIMER: FOR CLOSED COURSE COMPETITION USE ONLY. NOT INTENDED FOR STREET USE.**

**NOTES**

Can not run stock 883 cylinder heads with this kit. 883 heads may be used if S&S CNC porting is performed. PN 909-0011

The cylinder fin profile does not perfectly match the fins on 2004 and later stock heads, but the difference is not considered to be objectionable. See Photos.

S&S does not recommend boring 2004 and later 883cc cylinders from 3" to 3 1/2" bore to increase engine displacement to 1200cc due to changes in factory cylinder and liner. A smaller O.D. liner and large chamfer on the bottom of the spigot make boring the 883 cylinder not possible. New cylinders are recommended.

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S&S cylinders match the fin profile on 1986-'03 cylinder heads. Although there is a slight difference in the fin profiles of S&S cylinders and stock 2004 -'17 cylinder heads (shown above), the look is generally not considered to be objectionable. You decide!

# 883 TO 1200cc CONVERSION KIT

## FOR 1986-2017 883CC HARLEY-DAVIDSON® SPORTSTER® MODELS

### FITMENT

- 1986-2017\* 883cc Harley-Davidson® Sportster® models (\*See photos)

### FEATURES & BENEFITS

- Increase displacement from 883cc to 1200cc
- Save time because pistons are already fit to the cylinders – Ready to assemble out of the box!
- No machining
- No rebalancing of 883cc flywheels
- No cylinder head modifications
- Durable powder coat finish
- 9.6:1 Compression ratio
- Must be used with 883 heads

### OPTIONS

- Silver powder coat finish
- Wrinkle black (WBlack) powder coat finish

### KIT CONTENTS

- S&S 883-1200cc conversion pistons w/rings and wristpins
- S&S 106-5548 piston kit – 11.2cc dish volume
- S&S 3½" Bore Cylinders
- Cylinder head, base, and exhaust gaskets
- Assembly lube
- Instructions



910-0296



S&S cylinders match the fin profile on 1986-'03 cylinder heads. Although there is a slight difference in the fin profiles of S&S cylinders and stock 2004 – '17 cylinder heads (shown above), the look is generally not considered to be objectionable. You decide!

### S&S® 883cc TO 1200cc CYLINDER AND PISTON CONVERSION KITS

Fitment	Finish	Part No.	MSRP
1986-2017* 883cc Sportster®	Silver Powder coat	910-0301	\$1,072.07
	WBlack Powder coat	910-0296	\$1,095.13

\*The cylinder fin profile does not perfectly match the fins on 2004 and later stock heads, but the difference is not considered to be objectionable. See Photos.

DISCLAIMER: NOT LEGAL FOR SALE OR USE IN CALIFORNIA ON ANY POLLUTION CONTROLLED MOTOR VEHICLE. Not legal for sale or use on any EPA pollution controlled motor vehicle.

## NOTES

The cylinder fin profile does not perfectly match the fins on 2004 and later stock heads, but the difference is not considered to be objectionable. See Photos.

S&S does not recommend boring 2004 and later 883cc cylinders from 3" to 3½" bore to increase engine displacement to 1200cc due to changes in factory cylinder and liner. A smaller O.D. liner and large chamfer on the bottom of the spigot make boring the 883 cylinder not possible. New cylinders are recommended.

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# SIDEWINDER® BIG BORE KITS

## FITMENT

- 1986-'03 Harley-Davidson® Sportster®
- 1994-'02 Harley-Davidson® Buell®

## FEATURES AND BENEFITS

- Available in three displacements, for four-speed (1986-'90) and five-speed (1991-'03) models, and in natural aluminum and black powder coat finish.
- Requires that the crankcase cylinder spigot holes be bored to accept the larger cylinders
- Complete instructions are provided for this machining operation, and S&S has special tools available that simplify the crankcase boring procedure. See Section 9 in this catalog for more information



### S&S® SIDEWINDER® BIG BORE KIT SPECIFICATIONS FOR 1986-'03 HARLEY-DAVIDSON® SPORTSTER® MODELS

Displacement	Application	Stroke	Bore	Compression Ratio	Piston Type	Cylinder Length	Engine Life
79" Sportster**	1986 to 2003	3 $\frac{13}{16}$ "	3 $\frac{5}{8}$ "	‡	Forged	Stock	Stock-like

‡ Compression ratio depends on cylinder head type used. If stock heads are used extensive cylinder head modifications must be performed, making compression ratios completely dependent on final combustion chamber volume.

### S&S® SIDEWINDER® BIG BORE KITS FOR 1986-'03 HARLEY-DAVIDSON® SPORTSTER® MODELS

Displacement	Stroke	Bore	Application	Part No.	MSRP
79" Sportster**	3 $\frac{13}{16}$ "	3 $\frac{5}{8}$ "	1986 to 2003	<b>91-3002</b>	\$965.40

\*\*This kit has stock height cylinders and will fit Buell® motorcycles.

### PARTS INCLUDED IN S&S® SIDEWINDER® BIG BORE KITS FOR 1986-'03 HARLEY-DAVIDSON® SPORTSTER® MODELS

Displacement	Stroke	Kit Part No.	Flywheel Assembly	Pistons	Cylinders	Gaskets		Head Bolt	Head Mount		Pushrods	Manifold
						Head	Base		Center	Front		
79"	3 $\frac{13}{16}$ "	<b>91-3002</b>		Forged	●	●	●					



# SB100 ENGINES FOR HARLEY-DAVIDSON® SPORTSTER®

## FITMENT

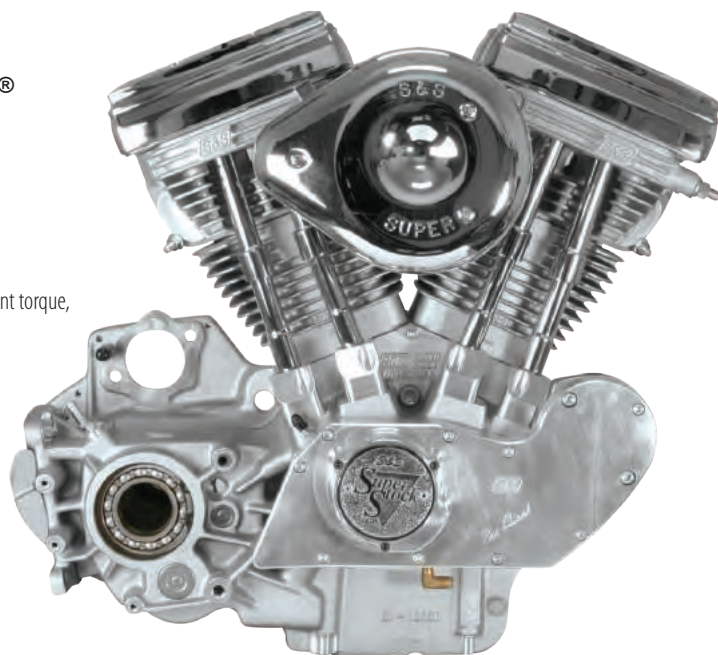
- 1986-'03 Harley-Davidson® Sportster®

## FEATURES AND BENEFITS

- Bolt-in replacement for stock engines
- "Square" motor configuration (equal bore and stroke) produces excellent torque, greatly increases engine life
- S&S Super G carburetor with Classic Teardrop air cleaner
- S&S high flow Super Stock® cylinder heads
- High strength supreme rods, S&S cylinders, and forged pistons
- Adjustable pushrods and pushrod cover assemblies
- Hydraulic tappets and S&S forged roller rocker arms
- S&S billet gear cover kit and billet aluminum rocker covers
- Now includes oil pump and oil filter mount

## KIT CONTENTS

- Assembled SB100 engine
- Instructions



## S&S® SB100 ENGINE SPECIFICATIONS

Displacement	Bore	Stroke	Cylinder Length	Camshaft	Piston Type	Compression Ratio	Fuel Delivery	Warranty Period
100"	4"	4"	4.420"	600	S&S forged	10.3:1	S&S Super G Carb	1 year parts only

## S&S COMPLETE SB100 ENGINES FOR SPORTSTER® MODELS

Application	Part No.	MSRP
SB100 for Sportster	<b>31-9891</b>	\$9,084.95

DISCLAIMER: NOT LEGAL FOR SALE OR USE IN CALIFORNIA ON ANY POLLUTION CONTROLLED MOTOR VEHICLE. Not legal for sale or use on any EPA pollution controlled motor vehicle.

## NOTES

Requires 1991-'03 style primary components and transmission. Will not accept 1986-'90 4 speed transmission, charging system or primary components.

Primary components, starter charging system, ignition system, and transmission components are not included.

## CRANKCASES FOR 1986-'03 SPORTSTER® AND BUELL®

### FITMENT

- 1986-'03 Harley-Davidson® Sportster® and Buell®
- S&S SB-Series engines

### FEATURES AND BENEFITS

- Super strong for high performance engines
- Crankcases come complete with all required bearings and hardware
- Replaceable tappet guides for all year groups

### OPTIONS

- Super Stock Cases
  - Choice of cam geometry—1986-'90 (4-speed) or 1991-'99 (5-speed)
  - Available for stock and 3 $\frac{5}{8}$ " bore sizes
- Special Application (SA) Cases
  - Choice of cam geometry—1986-'90 (4-speed) or 1991-'99 (5-speed)
  - 3 $\frac{5}{8}$ " bore to 4 $\frac{1}{2}$ " bore
  - Up to 1" taller cylinder deck height
  - Machined for stock, big twin, or S&S 1.500" diameter sprocket shafts

### KIT CONTENTS

- Crankcase assembly
- Billet tappet guides
- Bearings and hardware
- Transmission trapdoor
- Oil filter mounting bracket



**ANY JOB IS EASY WITH  
THE RIGHT TOOLS**

**S&S DEGREE WHEEL, SEE PAGE 497**

### S&S® SUPER STOCK® CRANKCASES FOR HARLEY-DAVIDSON® SPORTSTER® & BUELL® MODELS

Cam Geometry	Stock Bore	MSRP	3 $\frac{5}{8}$ " Bore	MSRP
1991-'03	<b>31-1008*</b>	\$2,769.95	<b>31-1009*</b>	\$2,769.95
1986-'90	-	-	<b>31-1014</b>	\$2,769.95

All S&S crankcases use 5-speed transmission and primary components. These cases will not accept 4-speed transmissions or flywheel assemblies.

\* Requires use of S&S cam cover gasket. (#31-2052). 1991-'03 cases require 1991-'96 gearcovers which are available from S&S.

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### S&S® SPECIAL APPLICATION CRANKCASES FOR 1986-'03 FOR HARLEY-DAVIDSON® SPORTSTER® & 1994-'02 BUELL® MODELS

Engine	Cam Geometry	4" Bore	MSRP
Sportster/Buell	1986-'90	<b>31-1012</b> 31-1012NS	\$3,077.41
Special Order	Specify	<b>31-1001*</b>	Call for Pricing

• All S&S crankcases use 5-speed transmission and primary components.

• These cases will not accept 4-speed transmission.

• Not compatible with stock flywheel assemblies.

• Since S&S Special Application crankcases are .500" wider than stock, they require part #33-2329 +.500" pinion shaft and S&S Special Application tappet guides.

• Requires use of S&S cam cover gasket. (Part #31-2099).

• 1991-'03 cases require 1991-'96 gearcovers.

\* Special Order: Download the Special Order Form at [sscycle.com/soforms](http://sscycle.com/soforms)

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## NOTES

If transmission and primary do not share the same lubricant, it is vital to ensure that both the primary and the transmission are filled with the correct lubricants.

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**REPLACEMENT PARTS: SEE PAGE 340**



# FLYWHEELS

## FOR 1986-'03 HARLEY-DAVIDSON® SPORTSTER® AND 1994-'02 BUELL® MODELS

### FITMENT

- 1986-'03 Harley-Davidson® Sportster®
- 1994-'02 Buell®
- S&S SB-Series engines

### FEATURES AND BENEFITS

- CNC machined from heat-treated, closed die, steel forging
- Stronger than cast iron or late style steel flywheels
- 5-piece design — easily rebuilt with standard flywheel fixtures and tools
- Unassembled balanced flywheels are balanced by the static method

### FLYWHEEL ASSEMBLIES FOR 1994-'02 BUELL® MODELS

S&S flywheels for two-cylinder 1994-'02 Buell models. Although similar to flywheels for Sportster® models, these flywheels are knife edged and lightened. This design offers these advantages:

- Knife edging is a proven design used in race motors to make the flywheels "shed" oil more quickly to reduce drag at high rpm.
- Knife edging and lightening increases effective crankcase volume and reduces the flywheel assembly weight by 2-4 lbs. Increased crankcase volume results in better oil control, effectively reducing friction and heat, as well as helping to control oil carry over. Reduced weight results in faster revving and higher top rpm capability.
- All S&S flywheels for Sportster and Buell models feature removable mainshafts for easy rebuilding. In addition, the S&S pinion shaft is the 1986-'87 splined design, which is much stronger than the stock pinion shaft, allowing the use of higher lift cams and stronger valve springs.

### OPTIONS

- Stock replacement or stroker flywheels for high performance upgrade
- Available in a wide variety of styles and strokes
- Available balanced or unbalanced
- Available assembled or unassembled by special order

### KIT CONTENTS

- Flywheels
- Pinion shaft and sprocket shaft
- Optional connecting rods



32-3083

**TRYING TO IDENTIFY AN S&S® FLYWHEEL?**  
SEE FLYWHEEL I.D. CHART IN THE APPENDIX: PAGE 526

**REPLACEMENT PARTS: SEE PAGE 339**

### NOTES

Lightened flywheels are not recommended for Sportster models with solid mounted engines due to increased vibration and loss of low rpm torque.

S&S pinion shafts for 1986-'03 Sportster® models are the splined 1986-'87 style.



Pinion and oil pump drive gears in 1988-'03 models must be replaced with early style gears. See page 313

Complete S&S Flywheel assemblies will fit up to 2003 model year engines. However, the flywheels are compatible with stock crankpins up to 1999 only.

Stock stroke flywheels are balanced to stock weight pistons

These flywheels will not fit 2003-up Buell® models.

### S&S® REPLACEMENT FLYWHEEL ASSEMBLIES FOR HARLEY-DAVIDSON® SPORTSTER® MODELS

Year Group	Displacement	Stroke	Flywheel Diameter	Part No.	MSRP
1986-'90	1200cc (Stock)	3 $\frac{13}{16}$ " (Stock)	7 $\frac{7}{8}$ " (Stock)	<b>320-0052</b> 	\$1,416.47
	S&S 89" SW Kit	4 $\frac{5}{16}$ "	7 $\frac{7}{8}$ " (Stock)	<b>32-3061</b>	\$1,416.47
1991-'03	1200cc (Stock)	3 $\frac{13}{16}$ " (Stock)	7 $\frac{7}{8}$ " (Stock)	<b>320-0053</b> 	\$1,416.47
	S&S 89" SW Kit	4 $\frac{5}{16}$ "	7 $\frac{7}{8}$ " (Stock)	<b>32-3062</b>	\$1,416.47
Special Order*	Specify	Specify	Specify	<b>32-3014*</b>	Call for Pricing

\*Special Order Notes: Download the Special Order Form at [sscycle.com/soforms](http://sscycle.com/soforms)

### S&S® REPLACEMENT FLYWHEEL ASSEMBLIES FOR S&S SB-SERIES ENGINES

Application	Stroke	Flywheel Diameter	Part No.	MSRP
Special Order For Buell*	Specify	Specify	<b>32-3014*</b>	Call for Pricing

\*Special Order: Download the Special Order Form at [sscycle.com/soforms](http://sscycle.com/soforms)

## BILLET GEARCOVERS FOR SPORTSTER® AND BUELL® MODELS

### S&S BILLET GEARCOVER KITS – STANDARD

Bushing Style	Part No.	MSRP
1986-'90 style bushing	<b>31-0303</b>	\$558.19

### REPLACEMENT GASKETS

Product	Part No.	MSRP
Gearcover Gasket	<b>31-2052</b>	\$3.82
Cam Seal 11124	<b>31-4051</b>	\$11.66



**31-0303**

All reference to H-D® part numbers is for identification purposes only. We in no way are implying that any of S&S Cycle's products are original equipment parts or that they are equivalent to the corresponding H-D® part number shown.

## BILLET FILTER MOUNT

### FITMENT

- 1986-'87 Harley-Davidson® Sportster®
- S&S SB-Series engines
- S&S crankcases for Sportster and Buell®

### FEATURES AND BENEFITS

- Accepts stock oil pressure sending switch
- Machined for easy routing of an oil cooler
- Seals off cam chest, providing a convenient place to spin on an oil filter

### S&S BILLET FILTER MOUNT

Fitment	Part No.	MSRP
1986-'87 Harley-Davidson® Sportster® S&S SB-Series engines S&S crankcases for Sportster and Buell®	<b>106-3134</b>	\$158.46



**106-3134**

## CYLINDERS WITH PISTONS KIT

- Cylinders with piston kits include fitted pistons and cylinders, head gaskets, base gaskets, and exhaust gaskets
- Cylinder kits with pistons are honed to fit the pistons included



### S&S® 4" BORE CYLINDERS WITH PISTONS KIT SPECIFICATION CHART

Displacement	Stroke	Cylinder Length	Piston Deck Height	COMPRESSION RATIO	
				Low Compression* Heads 85cc	High Compression* Heads 76cc
100"	4"	4.420"	1.200"	9.6:1	10.3:1

\* 91" and 100" engines for Sportster models typically use heads with 76cc chambers for high compression and 85cc chambers for low compression.

### S&S® 4" BORE CYLINDERS WITH PISTONS FOR 100" KIT

Displacement	Description	Finish	Part No.	MSRP
100"	Cylinder with Piston Set	Natural	<b>91-3031</b>	\$950.96

## CYLINDERS WITH PISTONS KIT con't



91-3208

### S&S® 3 5/8" BORE CYLINDERS WITH PISTONS KIT SPECIFICATION CHART

Displacement	Stroke	Cylinder Length	Piston Deck Height	COMPRESSION RATIO	
				S&S Super Stock® Heads - Low/Intermediate/High	Stock Heads
89"	4 5/16"	5.087"	1.200"	9.5/10.3/12.4	*
103"	5"	5.750"		10.9:1/11.8:1/14.2:1	*

\* Compression ratio will be determined by the combustion chamber modifications

### S&S® 3 3/8" BORE CYLINDERS WITH PISTONS FOR 89" KIT

Displacement	CYLINDERS W/PISTONS (SET)					
	Low Compression (92-1080 series pistons)				Intermediate Compression (92-1120 series pistons)	
	Natural	MSRP	WBlack	MSRP	Natural	MSRP
89"	<b>91-3207</b>	\$1,038.71	—	—	<b>91-3208</b>	\$1,038.71



910-0433

### S&S® 3 3/8" BORE CYLINDERS WITH PISTONS KIT SPECIFICATION CHART

Displacement	Stroke	Cylinder Length	Dome Volume	Piston Deck Height	Compression Ratio S&S Heads
1250cc	3 13/16"	4.650"	Flat Top	1.208"	10.3:1
			5.5cc		11.2:1

### S&S® 3 3/8" BORE CYLINDERS WITH PISTONS FOR 1250CC KIT

Displacement	Piston Type	Silver	MSRP	WBlack	MSRP
1250cc	S&S Forged Flat Top	<b>910-0433</b>	\$1,006.05	<b>910-0443</b>	\$1,006.05
	S&S Forged 5.5cc Domed	<b>910-0436</b>	\$1,008.95	<b>910-0446</b>	\$1,008.95

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910-0301

### S&S® 3 1/2" BORE CYLINDERS WITH PISTONS KIT SPECIFICATION CHART

Displacement	Stroke	Cylinder Length	Piston Deck Height	COMPRESSION RATIO	
				S&S Heads	Stock Heads
1200cc	3 13/16"	4.650"	1.208"	10.5:1	9.6:1

### S&S® 3 1/2" BORE CYLINDERS WITH PISTONS FOR 1200CC & 883CC KITS

Displacement	Natural	MSRP	Silver	MSRP	WBlack	MSRP
1200cc, 1986-2003 Sportster®, 1994-'02 Buell® Models with S&S® Heads	<b>91-3014</b>	\$980.94	—	\$980.94	<b>91-3908</b>	\$1,072.07
883cc (conversion to 1200cc), 1986-2017* Sportster® models	—	—	<b>910-0301</b>	\$1,072.07	<b>910-0296</b>	\$1,095.13

\* The cylinder fin profile does not perfectly match the fins on 2004 and later stock heads, but the difference is not considered to be objectionable. See Photos on page 303

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**ALL OTHER SPECIFICATIONS AND FINISHES ARE AVAILABLE THROUGH SPECIAL ORDER**

\* Special Order: Download the Special Order Form at [sscycle.com/soforms](http://sscycle.com/soforms)

**91-3604\*** Call for Pricing

**NOTE**

Stock crankcases must be machined to accommodate the larger spigot diameter.

Combustion chamber modifications must be made to stock cylinder heads to reduce compression.

VISIT US AT [WWW.SSCYCLE.COM](http://WWW.SSCYCLE.COM)



# CYLINDERS

- Cylinder sets without pistons are bored slightly under normal size and are not honed.
- Include dowel pins

## S&S® 4" BORE CYLINDERS

Displacement	Natural	MSRP
100"	Set	<b>91-3030</b> \$639.68

## S&S® 3½" BORE CYLINDERS

Displacement	Silver	MSRP	WBlack	MSRP
1200cc	Set	<b>910-0449</b> \$734.39	<b>910-0452</b>	\$734.39

DISCLAIMER: FOR CLOSED COURSE COMPETITION USE ONLY. NOT INTENDED FOR STREET USE.

## S&S® 3½" BORE CYLINDERS

Displacement	Natural	MSRP	Silver	MSRP	WBlack	MSRP
1200cc	Set	<b>91-3010</b>  \$625.18	<b>910-0304</b>	\$722.09	<b>91-3904</b> 	\$736.52



**ALL OTHER SPECIFICATIONS AND FINISHES ARE AVAILABLE THROUGH SPECIAL ORDER 91-3604\* Call for Pricing**

\*Special Order: Download the Special Order Form at [sscycle.com/soforms](http://sscycle.com/soforms)

## NOTES

Stock crankcases must be machined to accommodate the larger spigot diameter.

Combustion chamber modifications must be made to stock cylinder heads to reduce compression.

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# PISTON KITS

- Piston kits include set of pistons, rings, wristpins, and clips

## S&S® 4" BORE FORGED PISTON KITS

Displacement	Deck Height	Stroke	Standard	MSRP	+.010"	MSRP	+.020"	MSRP
100"	1.200"	4"	<b>92-1420</b>	\$366.71	<b>92-1421</b>	\$366.71	<b>92-1422</b>	\$366.71

Recommended piston fitment: Close: .0020"- .0025" Loose: .0032"- .0045"

## S&S® 3½" BORE FORGED PISTON KITS FOR STOCK HEADS

Displacement	Deck Height	Stroke	Standard	MSRP	+.010"	MSRP	+.020"	MSRP	+.030"	MSRP	+.040"	MSRP
89"	1.200"	4½"	<b>92-1940</b>	\$342.14	<b>92-1941</b>	\$342.14	<b>92-1942</b>	\$342.14	<b>92-1943</b>	\$342.14	<b>92-1944</b>	\$342.14
103"	1.200"	5"										

Recommended piston fitment: Close: 0.0015"- 0.0020" Loose: 0.0030"- 0.0040"

## S&S® 3½" SUPER STOCK® FORGED LOW COMPRESSION PISTON KITS

Displacement	Deck Height	Stroke	Standard	MSRP	+.010"	MSRP	+.020"	MSRP	+.030"	MSRP	+.040"	MSRP
89"	1.200"	4½"	<b>92-1080</b>	\$364.52	<b>92-1081</b>	\$372.87	—	—	<b>92-1083</b>	\$391.27	<b>92-1084</b>	\$391.27
103"	1.200"	5"										

## S&S® 3½" SUPER STOCK® FORGED MEDIUM COMPRESSION PISTON KITS

Displacement	Deck Height	Stroke	Standard	MSRP	+.010"	MSRP	+.020"	MSRP	+.030"	MSRP	+.040"	MSRP
89"	1.200"	4½"	—	—	—	—	<b>92-1122</b>	\$420.88	—	—	—	—
103"	1.200"	5"										

Recommended piston fitment: Close: 0.0023"- 0.0025" Loose: 0.0035"- 0.0045"



## PISTON KITS con't

### S&S® 3 1/16" BORE FORGED PISTON KITS

Displacement	Dome Volume	Deck Height	Stroke	Standard	MSRP
1250cc	Flat Top	1.207"	3 13/16"	<b>920-0070</b>	\$283.19
	5.5cc	1.207"	3 13/16"	<b>920-0071</b>	\$305.23

DISCLAIMER: FOR CLOSED COURSE COMPETITION USE ONLY. NOT INTENDED FOR STREET USE.
















### S&S® 3 1/2" BORE FORGED PISTON KITS

Cylinder Heads	Deck Height	Stroke	Standard	MSRP	+ .010"	MSRP	+ .020"	MSRP
S&S® Super Stock®	1.1875"	3 1/2"	<b>92-2016</b>	\$366.71	<b>92-2017</b>	\$366.71	<b>92-2018</b>	\$366.71
Stock 883cc	1.207"		<b>106-5548</b>	\$366.71	<b>106-5549</b>	\$366.71	<b>106-5550</b>	\$366.71

Recommended piston fitment: Close: 0.0015"-0.0020" Loose: 0.0030"-0.0040"


## REPLACEMENT PARTS FOR PISTONS

### PISTON RINGS, CHROMOLY FACED

Bore	4"		3 5/8"		3 9/16"		3 1/2"			
							S&S® Heads		Stock 883cc Heads	
Deck Height	1.200	MSRP	1.200	MSRP	-	MSRP	1.1875"	MSRP	1.207"	MSRP
Standard	<b>94-1300X</b> 	\$33.60	<b>94-1210X</b> 	\$36.52	<b>940-0042*</b>	\$61.20	<b>94-2216X</b>  21921-83	\$35.85	<b>94-2206X</b>  22334-78A, 22334-78B, 21920-83	\$35.85
+ .005"	-	-	-	-	-	-	<b>94-22165X</b>  21921-83	\$35.85	-	-
+ .010"	<b>94-1301X</b> 	\$33.60	<b>94-1211X</b> 	\$33.60	-	-	<b>94-2217X</b> 	\$35.85	<b>94-2207X</b>  22334-78A, 22334-78B, 21920-83	\$35.85
+ .020"	<b>94-1302X</b> 	\$33.60	<b>94-1212X</b> 	\$36.52	-	-	<b>94-2218X</b> 	\$35.85	<b>94-2208X</b>  22336-78B, 21923-83	\$35.85
+ .030"	-	-	<b>94-1213X</b>	\$33.60	-	-	<b>94-2219X</b> 	\$35.85	<b>94-2209X</b>  22336-78B, 21923-83	\$35.85
+ .040"	-	-	<b>94-1214X</b>	\$33.60	-	-	-	-	-	-
+ .060"	-	-	<b>94-1216X</b>	\$29.95	-	-	-	-	-	-

\*Clips and pins not available.

### WRISTPINS

Bore	Description	Part No.	MSRP
4"	Wristpin .792" x 2.825"	<b>94-9256</b> 	\$15.11
3 5/8"			
3 1/2"			

### KEEPERS

Bore	Description	Part No.	MSRP
4"	Keeper 22589-83A	each <b>94-9254-S</b>	\$1.05
3 5/8"		2 pack <b>94-9254-2</b>	\$1.53
3 1/2"		4 pack <b>94-9254</b>	\$3.02

All reference to H-D® part numbers is for identification purposes only. We in no way are implying that any of S&S Cycle's products are original equipment parts or that they are equivalent to the corresponding H-D® part number shown.

VISIT US AT [WWW.SSCYCLE.COM](http://WWW.SSCYCLE.COM)

Milwaukee  
Eight®  
2017

Twin Cam  
96"/103"/110"  
2007-2017

Twin Cam  
88"  
1999-2006

Evolution®  
1984-1999

Sportster®  
& Buell®  
1986-2017

Street &  
Street Rod™  
2014-2017

Vintage  
Engines  
1926-1984

X-Wedge®  
2007-2015

Indian® &  
Victory®  
Models

Racing  
Products

Tools &  
Shop  
Supplies

Dealer  
Services  
& Promo  
Items

Warranty &  
Company  
Policy

Appendix  
& Index

# CAMSHAFTS

## FITMENT

- 1986-'17 Harley-Davidson® Sportster®
- 1994-'02 Buell®

## APPLICATIONS

**S&S 482:** Bolt in cam for 2004-'15 models only. Recommended for S&S 883 to 1250 conversion kits. Best performance gains 3500-6500 rpm. Compatible with stock valve springs and stock non-adjustable pushrods.

**S&S 500:** Bolt-in cams that provide excellent torque with stock or ported heads. Recommended for modified engines up to 89" displacement and 9.0:1 to 10.5:1 compression ratio. Will work in 89" to 100" engines with less than 9.0:1 compression. Normal clearancing checks recommended. 2000-6000 rpm. Works with stock valve springs and stock non-adjustable pushrods.

**S&S 555:** Recommended for 89"-100" engines with 9.5:1 to 11.5:1 compression ratio. Provides best performance from 3500-6500 rpm using ported stock heads or S&S heads. Requires adjustable pushrods, spring spacing or high lift valve springs, and normal clearance checks.

**S&S 600:** The standard cam included in 4" bore S&S engines. For engines larger than 89" with 9.5:1 to 10.5:1 compression ratio and S&S heads. Great addition to a S&S 103" Sidewinder® kit. Requires adjustable pushrods, crankcase clearancing and high lift valve springs. 3500-6500 rpm.

With the exception of the "bolt-in" 500 camshafts, S&S cams are high lift and are designed to take advantage of the extra flow of ported stock heads or S&S Super Stock® heads. Due to the high lift of these cams, high lift valve springs and minor clearancing is required for proper installation.



33-5082

## S&S® CAMS SPECIFICATIONS FOR 1986-'15 SPORTSTER® AND 1994-'02 BUELL® MODELS

Cam Name	Valve Timing <sup>1</sup>		Valve Duration (°)		Valve Lift	Lift @ TDC <sup>2</sup>		Spring Spacing Required	Tappet <sup>3</sup> Type Required
	Intake	Exhaust	Intake	Exhaust		Intake	Exhaust		
	Open BTDC/Close ABDC	Open BBDC/Close ATDC							
S&S 482	22°/38°	43°/11°	240°	234°	.482"	.181"	.134"	No	Hydraulic
S&S 500	34°/50°	56°/28°	264°	264°	.500"	.241"	.212"	No	Solid or Hydraulic
S&S 555	33°/53°	53°/33°	266°	266°	.555"	.240"	.240"	Yes	Solid or Hydraulic
S&S 600	20°/55°	60°/20°	255°	260°	.600"	.194"	.184"	Yes	Solid or Hydraulic

<sup>1</sup> Timing designations is a function of zero lash @ 0.053" off base circle.

<sup>2</sup> TDC lifts are measured at the valve and are for reference only. Overlap valve lifts must be checked on assembled motor.

<sup>3</sup> Requires cam lobe clearancing when used in stock crankcases.

## S&S® CAMS FOR 1986-'16 SPORTSTER® AND 1994-'02 BUELL® MODELS

Cam Name	Application	Part No.	MSRP
S&S 482	2000-'17	<b>330-0189</b>	\$384.25
S&S 500	1991-'17*	<b>33-5082</b>	\$384.25
	1986-'90	<b>33-5081</b>	\$384.25
S&S 555	1991-'17*	<b>33-5084</b>	\$384.25
	1986-'90	<b>33-5083</b>	\$349.95
S&S 600	1991-'17*	<b>33-5126</b>	\$384.25
	1986-'90	<b>33-5125</b>	\$384.25

\*See Notes regarding pinion gears

DISCLAIMER: NOT LEGAL FOR SALE OR USE IN CALIFORNIA ON ANY POLLUTION CONTROLLED MOTOR VEHICLE. Not legal for sale or use on any EPA pollution controlled motor vehicle.

## NOTES

1991-'99 style pinion gear must be used with S&S® cams in 2000-'16 Sportster® models and 2000-'02 Buell® models with stock flywheels. See page 313.

2000-'03 Sportster models and 2000-'02 Buell models using S&S flywheels or pinion shafts require the use of '91-'99 style cams and S&S '86-'87 pinion gear and oil pump drive gear.



# PINION GEARS

## FITMENT

- 1986-'99 Sportster®
- 1994-'02 Buell®



33-4153



33-4163



33-4228

## S&S® PINION GEARS FOR 1986-'87 SPORTSTER®

### REQUIRED FOR ALL S&S FLYWHEEL ASSEMBLIES FOR 1986-'99 SPORTSTER AND 1991-'99 BUELL MODELS

Color Code	Size	H-D® Part No.	S&S® Part No.	MSRP
Blue	Biggest	24056-86	<b>33-4152</b>	\$132.13
Red	Average	24057-86	<b>33-4153</b>	\$132.13
White	Average	24058-86	<b>33-4154</b>	\$132.13
Green	Average	24059-86	<b>33-4155</b>	\$132.13
Yellow	Smallest	24060-86	<b>33-4156</b>	\$132.13

## S&S® PINION GEARS FOR 1991-'99 SPORTSTER® WITH STOCK FLYWHEEL ASSEMBLY

Color Code	Size	H-D® Part No.	S&S® Part No.	MSRP
Blue	Biggest	24056-91	<b>33-4162</b>	\$159.95
Red	Average	24057-91	<b>33-4163</b>	\$174.00
White	Average	24058-91	<b>33-4164</b>	\$174.00
Green	Average	24059-91	<b>33-4165</b>	\$174.00
Yellow	Smallest	24060-91	<b>33-4166</b>	\$174.00

Note: Can be used to install S&S cams in 2000-2013 Sportster® engines

## PINION SHAFT COMPONENTS FOR 1986-'03 SPORTSTER® MODELS

Item Description	H-D® Part No. <sup>1</sup>	S&S® Part No.	MSRP
1986-'87 Style Pinion Gear Nut	7913	<b>33-4254</b>	\$24.07
1986-'87 Style Pinion Shaft Oil Pump Drive Gear	26318-75	<b>33-4228</b>	\$83.87

<sup>1</sup> Note: No longer available from Harley-Davidson®

## NOTE

If the stock gear is unmarked and the size is unknown or you are scratch building an engine and have no gear, we recommend that you order a gear in the middle of the size range. These sizes were used more often and should provide adequate gear clearance under most circumstances. When in doubt, use a gear from the middle to the small side of the range because a combination of looser fitting smaller gears is less likely to cause binding and premature wear. Consult the chart for the size and appropriate part number required. If you wish to achieve optimum cam gear to pinion gear fit, consult your factory service manual for instructions on fitting these gears before making a selection. Some sizes, particularly those on and near the ends of each range, are available on a limited basis because they are the extremes.

All reference to H-D® part numbers is for identification purposes only. We in no way are implying that any of S&S Cycle's products are original equipment parts or that they are equivalent to the corresponding H-D® part number shown.

# PREMIUM HIGH PERFORMANCE TAPPETS

## FITMENT

- 2000-'17 Sportster® Models

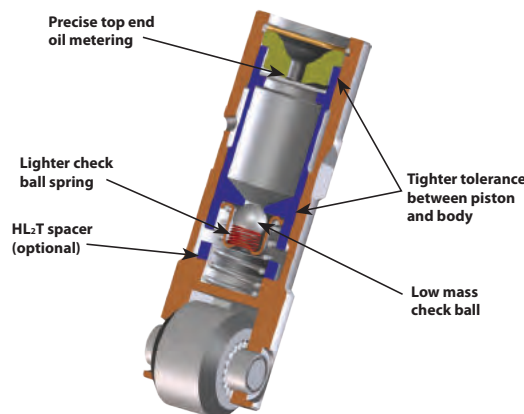
## FEATURES

- 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, 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



## S&S PREMIUM HIGH PERFORMANCE TAPPETS

Tappet Sets	Part No.	MSRP
Set of 4 tappets with HL <sub>2</sub> T kit	<b>330-0174</b>	\$289.95
Set of 4 tappets without HL <sub>2</sub> T kit	<b>330-0175</b>	\$269.95



# HIGH PERFORMANCE HYDRAULIC TAPPETS

## FITMENT

- 1986-'90 Harley-Davidson® Sportster®
- 2000-'17 Sportster
- 2000-'02 Buell®

## FEATURES AND BENEFITS

- Redesigned plunger assembly better withstands forces associated with heavy-duty valve springs and cams typically used in high-performance applications
- Revised metering device precisely controls oil delivery to top end, ensuring rapid lifter pump-up and reducing possibility of oil starvation to bottom end
- Each lifter body and plunger assembly is selective-fit and tested to ensure correct operation
- 1986-'90 (4-speed)
  - Larger inner bearing race reduces stresses to increase axle, bearing and roller life. The S&S inner bearing race is .123" larger in diameter than the "raceless" roller axles currently used by some manufacturers.
  - Improved inner race-roller design allows use of more and larger bearings to increase load – carrying surface area, further reducing stress and wear in the critical roller area.

## OPTIONS

- Tappets for 1986-'90 four speed Sportster® models are available with the HL<sub>2</sub>T Limited Travel Kit for improved cold starts and high rpm valve timing accuracy.

## KIT CONTENTS

- Four hydraulic tappets



## S&S® HIGH PERFORMANCE HYDRAULIC TAPPETS

Fitment	Description	Part No.	MSRP
2000-'16 Sportster® models 2000-'02 Buell® models	S&S Standard Tappet (HL <sub>2</sub> T kit not installed)	33-5350 USA	\$129.95
1991-'99 Sportster® models	S&S Standard Tappet (HL <sub>2</sub> T kit not installed)	330-0288 USA	\$123.59
1986-'90 Sportster® models	S&S Standard Tappet (HL <sub>2</sub> T kit not installed)	33-5352 USA	\$278.70
	S&S Standard Tappet (With HL <sub>2</sub> T kit installed)	33-5353 USA 1,2,3 5,6,7	\$299.58

## NOTE

S&S tappets with HL<sub>2</sub>T Kit require the use of adjustable pushrods. See page 316 for S&S adjustable pushrod options

# HIGH QUALITY TAPPET ROLLER AND AXLE REPLACEMENT



- High quality tappet roller and axle replacement kit for 1984-99 Harley-Davidson® big twin and 1986-90 Sportster® models. Kit includes rollers to rebuild 4 tappets.

## S&S HIGH QUALITY TAPPET ROLLER AND AXLE REPLACEMENT KIT

Fitment	Part No.	MSRP
Kit includes rollers to rebuild 4 tappets.	330-0378	\$86.66

# HYDRAULIC LIFTER LIMITED TRAVEL SPACER (HL<sub>2</sub>T)

## FITMENT

- 1986-'03 Harley-Davidson® Sportster®
- 1994-'02 Buell®

## FEATURES AND BENEFITS

- Positive valve train activation!
- More horsepower at higher rpm's
- Easier starting

## KIT CONTENTS

- Set of four spacers



## S&S HYDRAULIC LIFTER LIMITED TRAVEL SPACER (HL<sub>2</sub>T)

Fitment	Part No.	MSRP
1986-'03 Sportster® with stock or S&S® tappets (fits tappets with .612" I.D.)	33-5338	\$20.36

# TAPPET GUIDES

## FITMENT

- 1986-'90 Harley-Davidson® Sportster®
- S&S Super Stock® crankcase
- S&S Special Application crankcase

## FEATURES AND BENEFITS

- Unlike cast aluminum, billet has no internal voids or impurities
- No residual strain from thermal contraction or expansion means no cracking or changes in shape
- Simple to install upgrade that looks great
- Tappet guides for special application cases have correct pushrod angles for 1/2" camchest offset

## KIT CONTENTS


- Guides
- O-rings
- Installation hardware

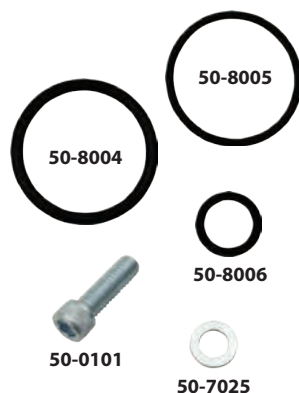
## NOTE

2000 and later Sportster models use the same tappet as 1999-up big twin engines. However, these tappets will not fit the S&S tappet guides for 1991-'99 models.



## S&S® TAPPET GUIDE SETS FOR SPORTSTER®, SUPER STOCK®, AND SPECIAL APPLICATION CRANKCASES

Application	Set	MSRP
1986-'90 Stock/S&S® Super Stock	<b>33-5375</b> 	\$310.33
1986-'90 S&S Special Application	<b>33-5365</b>	\$310.33
1991-'99 S&S Super Stock	<b>33-5389</b>	\$310.33



## REPLACEMENT PARTS FOR TAPPET GUIDES

Description		Part No.	MSRP
Tappet Guide O-ring Kit <i>Fits 1986-'90 Sportster models with stock or S&amp;S crankcases and 1991-'99 Sportster models with S&amp;S crankcases 1167A</i>		<b>50-8153</b>	\$15.47
Upper O-ring, 1" I.D. x 1 3/16" O.D. x 3/32" CS Viton® (H-D®11167)	each	<b>50-8004</b>	\$1.94
Lower O-ring, 1" I.D. x 1 1/8" O.D. x 1/16" CS Viton 11168A	each	<b>50-8005</b>	\$1.25
Oil Passage O-ring, 3/8" I.D. x 1/2" O.D. x 1/16" CS 70 Buna 11110	each	<b>50-8006</b>	\$1.05
	10 pack	<b>50-8077</b>	\$6.79
Screw, SHC, 5/16-18 x 1", Zinc 3201WA, 2708	each	<b>50-0101</b>	\$0.57
Washer, Flat, .325" x .548" x .062", Zinc, Low Carbon Steel 6771	each	<b>50-7025</b>	\$1.36

All reference to H-D® part numbers is for identification purposes only. We in no way are implying that any of S&S Cycle's products are original equipment parts or that they are equivalent to the corresponding H-D® part number shown.



# QUICKEE ADJUSTABLE PUSHRODS

## FITMENT

- 1991-'17 Harley-Davidson® Sportster®
- 1994-'02 Buell®

## FEATURES AND BENEFITS

- Easy to install
- Adjustable to ensure consistent valve train operation under all conditions

## KIT CONTENTS

- Pushrods
- Pushrod covers and keepers
- O-rings



930-0023

## NOTES

Quickee pushrods cannot be used in the S&S® SB-100 engine.

33-5355 adaptors, 93-4039 cover kit and 93-4101 keepers are needed when used on 1991-2003 applications.

**REPLACEMENT PARTS: SEE PAGE 317**



WATCH THE S&S PUSHROD INSTALLATION VIDEO AT  
SSCYCLE.COM/MEDIA/VIDEOS

## S&S® QUICKEE ADJUSTABLE PUSHRODS FOR 1991-'16 HARLEY-DAVIDSON® SPORTSTER® MODELS

Description	Part No.	MSRP
Complete Kit, for 2004-'17 xl	930-0023	\$260.93
Pushrod Set only, for 1991-'17 xl	93-5122	\$159.95
Special Order	93-5135*	\$209.95

\*Special Order: Download the Special Order Form at [sscycle.com/soforms](http://sscycle.com/soforms)

# STANDARD ADJUSTABLE PUSHRODS

## FITMENT

- 1986-'17 Harley-Davidson® Sportster®
- 1994-'02 Buell®

## FEATURES AND BENEFITS

- Made out of 7/8" O.D. chromoly steel tubing for strength and durability
- Adjustable to ensure accurate valve train operation under all conditions
- Compatible with solid and hydraulic lifters
- Kit includes all pushrods, covers, keeper and o-rings

## KIT CONTENTS

- Pushrods,
- Pushrod covers and keepers
- O-rings



930-0024

## NOTES

S&S pushrod sets are available separately for those who wish to use an aftermarket pushrod cover other than S&S.

33-5355 pushrod cover adaptors are required for 1991-'03 applications. See page 317

**REPLACEMENT PARTS: SEE PAGE 317**



WATCH THE S&S PUSHROD INSTALLATION VIDEO AT  
SSCYCLE.COM/MEDIA/VIDEOS

## S&S® STANDARD ADJUSTABLE PUSHRODS FOR 2004-'17 HARLEY-DAVIDSON® SPORTSTER® MODELS

Description	Part No.	MSRP
Complete Kit	930-0024	\$216.76
Pushrod Set only	93-5022	\$115.35
Special Order	93-5036*	\$129.95

\*Special Order: Download the Special Order Form at [sscycle.com/soforms](http://sscycle.com/soforms)

## S&S® PUSHROD SETS

### FOR 1991-'03 SPORTSTER® AND 1994-'02 BUELL® MODELS

Displacement	Cylinder Length	Part No.	MSRP
883cc, 1200cc, 79"	4.650" (Stock)	93-5022	\$115.35
89"	5.087" (+0.437)	93-5089	\$115.35
Special Order	Specify	93-5036*	\$129.95

\*Special Order: Download the Special Order Form at [sscycle.com/soforms](http://sscycle.com/soforms)

## S&S® PUSHROD SETS FOR 1986-'90 SPORTSTER® MODELS

Displacement	Cylinder Length	Part No.	MSRP
883cc, 1200cc, 79"	4.650" (Stock)	93-5033	\$115.35
89"	5.087" (+0.437)	93-5022	\$115.35
Special Order	Specify	93-5036*	\$129.95
















\*Special Order: Download the Special Order Form at [sscycle.com/soforms](http://sscycle.com/soforms)

# PUSHROD COVERS AND RELATED PARTS

## FITMENT

- 1986–2017 Harley-Davidson® Sportster®
- 1994-'02 Buell®

## S&S® PUSHROD REPLACEMENT PARTS

Item Description	Part No.	MSRP
S&S Pushrod Cover Kit* (includes Top and bottom covers, Cover cap, Cover spring, Spring washers, and o-rings)	Stock Height 	<b>93-4039*</b> \$146.12
	1" or more taller than stock	<b>93-4038*</b> \$146.12
Cover Cap Washer 67628	<b>50-7131</b>	\$1.15
Bottom Cover Washer	<b>50-7150</b>	\$0.36
Top O-ring (H-D®11101)	<b>50-8039</b>	\$1.68
Middle O-ring	<b>50-8038</b>	\$1.05
Bottom O-ring	<b>50-8037</b>	\$1.05
Top Cover    1,2,3	<b>93-4016</b>	\$12.23
Bottom Cover    1,2,3	<b>93-4015</b>	\$12.75
Cover Cap    1,2,3	<b>93-4017</b>	\$8.07
Cover Spring    1,2,3	<b>93-4018</b>	\$1.09
Pushrod O-ring Kit	<b>93-4022</b>	\$6.98
Ball End   1,2,3	<i>Fits S&amp;S adjustable with 5/16"-32 threads. (Manufactured after 2-1-1996)</i> <b>93-5002</b>	\$10.45
Adjusting Unit Locknut	<i>Fits S&amp;S adjusting unit #33-5334 and S&amp;S adjustable pushrods with early stock 5/16"-32 threads</i> <b>33-5333</b>	\$2.16
	<i>Fits S&amp;S adjustable pushrods with 5/16"-32 threads. (Manufactured after 2-1-1996)</i> <b>93-5003-S</b>	\$2.20

\*1991-103 Sportster and 1994-'02 Buell models require S&S pushrod cover adaptor kit part #33-5355 to use two-piece pushrod covers.



S&S pushrod cover adapters for five-speed Sportster models are designed to convert stock 1991-'03 crankcases to accept 1986-'90 style pushrod cover assemblies in order to allow access to adjustable pushrods. 2004-up Sportster models do not require these adapters.

## PUSHROD COVER ADAPTER

Set of four	<b>33-5355</b>	\$43.71
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## S&S® PUSHROD COVER KEEPER SETS




Application		Length	Part No.	MSRP
2004-'17 Sportster® Pushrod covers	883cc & 1200cc	(2.600")	<b>93-4101</b>	\$29.33
1991-'03 Sportster and 1994-'02 Buell® with Stock Cases and S&S Adaptors	883cc & 1200cc	(2.600")	<b>93-4101</b>	\$29.33
	79"	(2.600")	<b>93-4101</b>	\$29.33
	89"	(3.000")	<b>93-4103</b>	\$29.33
1986-'90 Sportster with Stock or S&S Cases	883cc & 1200cc	(2.800")	<b>93-4115</b>  17950-86	\$29.33
	79"	(2.800")	<b>93-4115</b>  17950-86	\$29.33
	89"	(3.100")	<b>93-4104</b>	\$29.33
	100"	(3.000")	<b>93-4103</b>	\$29.33



**93-4101**

All S&S pushrod keepers are chromed steel except part #93-4109. Keeper #93-4109 is intended for unusually tall engines. It is manufactured of unchromed stainless steel to prevent rust or peeling after it is trimmed to the required length. Keepers are sold in sets of four.

## S&S® CUSTOM LENGTH PUSHROD COVER KEEPER SETS

Length	Part No.	MSRP
2.400" 17950-48	<b>93-4070</b> 	\$29.33
2.500"	<b>93-4100</b>	\$29.33
2.600"	<b>93-4101</b>	\$29.33
2.800" 17950-86	<b>93-4115</b> 	\$29.33
2.900"	<b>93-4102</b>	\$29.33
3.000"	<b>93-4103</b>	\$29.33
3.100"	<b>93-4104</b>	\$29.33
3.200"	<b>93-4105</b>	\$29.33
3.330" 17949-40, 17950-66	<b>93-4106</b> 	\$29.33
3.500"	<b>93-4107</b>	\$29.33
3.625"	<b>93-4108</b>	\$29.33
4.250"	<b>93-4109*</b>	\$58.29

\*Custom extra long stainless steel 4.250", customer to cut to required length



# SIDEWINDER® .650" LIFT VALVE SPRINGS

## FITMENT

- 1986-'17 Harley-Davidson® Sportster® with stock heads

## FEATURES AND BENEFITS

- Works well with cams up to .650" lift
- Manufactured from ultra clean high silicon Kobe alloy wire then micro shot peened and nitrided
- CNC machined 9° locks
- High performance conical single wire spring
- Chromoly forged retainers

## KIT CONTENTS

- Valve keepers, top & bottom collars, springs, shims
- Valve guide seals (not included in kit for 1999-'04 xl)

## S&S® .650" LIFT SPRINGS SPECIFICATIONS

Lift	Installed Height	Seat Force	Force @ Max Lift	Max RPM
.650"	1.860"	178 lb.	376 lb.	6500



## S&S® .650" LIFT SPRING KIT

Description	Part No.	MSRP
1986-2003 (5/16" valve stems)	<b>900-0050</b>	\$181.25
2004-2017 (7mm stems)	<b>106-5909</b>	\$188.50

## NOTE

S&S recommends roller rocker arms be used with lifts over .585"

# STREET PERFORMANCE .585" VALVE SPRINGS

## FITMENT

- 1986-'17 Harley-Davidson® Sportster® / 1995-'02 Buell

## FEATURES AND BENEFITS

- Dual springs reduce the risk of valve float
- Suitable for high performance applications
- Accommodates camshaft lift to 0.585"

## KIT CONTENTS

- Valve Guide Seals, Springs, Top & Bottom Collars, Keepers, Shims

## S&S® STREET PERFORMANCE .585" VALVE SPRING KIT

Description	Part No.	MSRP
1986-'03 Sportster® & 1995-'02 Buell® (5/16" valve stems)	<b>900-0593</b>	\$122.36
2004-'17 Sportsters® (7mm stems)	<b>900-0594</b>	\$132.56
S&S Super Stock Heads	<b>900-0595</b>	\$122.36

## S&S® .585" LIFT SPRINGS SPECIFICATIONS

Lift	Installed Height	Seat Force	Force @ Max Lift
.585"	1.850"	135 lb.	325 lb.



VALVE SPRING REPLACEMENT PARTS: SEE PAGE 356

# FORGED ROCKER ARMS

## FITMENT

- 1986-'17 Harley-Davidson® Sportster®
- 1994-'02 Buell®

## FEATURES AND BENEFITS

### ROLLER ROCKER ARMS

- Extremely durable rollers reduce valve stem side thrusting with high lift cams
- Superior wear and fatigue resistance even in the most demanding applications
- ¾" long bushings provide 50% more bushing support area than ½" long bushings
- Ideal for cams of any lift

### STANDARD ROCKER ARMS

- ¾" long bushings provide 50% more bushing support area than ½" long bushings
- An economical alternative for cams up to .585" lift

## KIT CONTENTS

2 front and 2 rear rocker arms



900-4065A



900-4119A



90-4036




90-4104

### S&S® FORGED ROLLER ROCKER ARM KIT

Description	Part No.	MSRP
2 front and 2 rear rocker arms 	900-4065A	\$500.02






Adjustable pushrods must be used with S&S roller rocker arms to obtain proper valve clearance.  
New rocker arm shafts are recommended for maximum performance and rocker life.

### S&S® STANDARD FORGED ROCKER ARM KIT

Description	Part No.	MSRP
2 front and 2 rear rocker arms 	900-4119A	\$258.38









New rocker arm shafts are recommended for maximum performance and rocker life.

### S&S® ROCKER ARM SHAFTS

Description	Part No.	MSRP
Set of 4 17611-838 	90-4036	\$36.68
Individual 17611-838    	90-4006	\$11.02

New rocker arm shafts are recommended for maximum performance and rocker life.

### REPLACEMENT PARTS FOR FORGED ROLLER ROCKER ARMS

Rocker Arm Type	Description	Part No.	MSRP
Roller	Front exhaust or rear intake rocker arm  	900-4065FA	\$150.28
	Rear exhaust or front intake rocker arm  	900-4065RA	\$150.28
Standard	Front exhaust or rear intake rocker arm 17375-83A 	900-4119FA	\$77.96
	Rear exhaust or front intake rocker arm 17360-83A 	900-4119RA	\$77.96
Roller	Rebuild kits (rebuilds 4 rocker arms)	90-4104	\$125.84
Roller & Standard	Rocker arm bushing (¾" long)  	90-4014	\$3.47

## NOTES

S&S roller rocker arms are recommended for use with cams having more than 0.585" of lift.

Adjustable pushrods must be used with S&S roller rocker arms to obtain proper valve clearance.

New rocker arm shafts are recommended for maximum performance and rocker life.

All reference to H-D® part numbers is for identification purposes only. We in no way are implying that any of S&S Cycle's products are original equipment parts or that they are equivalent to the corresponding H-D® part number shown.

# CNC PORTED CYLINDER HEAD SERVICES

## CNC PORTING SERVICE FEATURES AND BENEFITS

- CNC machined ports are consistent - repeatable performance increase
- High flow and high port velocity
  - great power without losing low RPM torque
- Assembled with performance valves and your choice of .585" or .650" lift springs ready to bolt-on
- Stock heads with S&S CNC porting are also available for outright sale in select models

## XL CNC

- Available for 2004-'17 XL 883 and 1200cc engines
- Combustion chamber volume of 60cc - For stock compression in 1200cc engines
- 883 engines must be upgraded to 1200cc or greater
- Perfect for the S&S 1200cc and 1250cc kits.



909-0011

## S&S CNC PORTING SERVICE FOR SPORTSTER® MODELS

Description	Part No.	MSRP
CNC Porting Service - S&S Ports Your Heads	<b>909-0011</b>	\$950.00
CNC Ported Heads - Complete Set Sold Outright	<b>909-0011</b>	\$1550.00

## S&S® CNC PORTING SERVICE – SPECIFICATION COMPARISON - HARLEY-DAVIDSON® SPORTSTER® MODELS

Heads	VALVE SIZE		Max Valve Lift	MAX TDC LIFT		PORT FLOW		Chamber Volume
	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust	
Stock	1.805	1.575	.585	—	—	218.2 cfm	186.7 cfm	60cc
CNC Ported by S&S	1.830	1.575	.650	.213	.215	249.3 cfm	206.0 cfm	60cc

\*Flow testing performed on a SuperFlow® 1020 flow bench at 28" of water test pressure at .600" lift. Heads tested are 2007-'13 style.

Heads	COMPRESSION RATIO	
	1200cc	With .03 Head Gaskets
Stock 60cc	9.7	10:1
CNC Ported by S&S 60cc	9.7	10:1

\*\* As a general rule of thumb, for every 1cc decrease in chamber volume equals a .1 increase in compression ratio.

## NOTES

For XL applications, S&S recommends for use with cam TDC lifts no greater than: .213" intake, .215" exhaust to achieve .050" valve to valve clearance.

CNC porting is not available for previously ported heads, heads that have been structurally damaged, or heads that are determined to be unserviceable during initial inspection. These heads will be returned to the customer without modification. In these cases, the customer will be notified and options will be reviewed. As an alternative, S&S heads or CNC ported stock heads are available for purchase.

Due to variations in stock cylinder head castings, all inside surfaces of the ports may not "clean up" during machining. As a result, the inside of one or more ports may not appear to be completely machined. This does not effect performance and is not considered a defect.

CNC porting is not currently available for Harley-Davidson® CVO engines or Screamin' Eagle® cylinder heads.

DISCLAIMER: NOT LEGAL FOR SALE OR USE IN CALIFORNIA ON ANY POLLUTION CONTROLLED MOTOR VEHICLE. Not legal for sale or use on any EPA pollution controlled motor vehicle.

# SUPER STOCK® CYLINDER HEADS FOR 4" BORE S&S ENGINES

## FITMENT

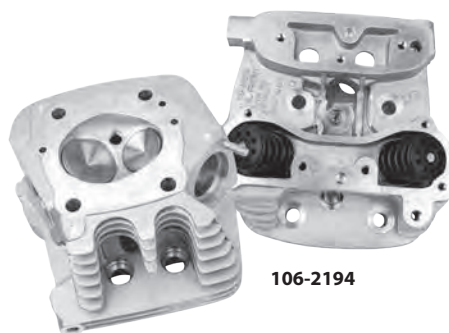
- SB-Series for Harley-Davidson® Sportster® 1986-'03
- SB-Series for Buell® 1994-'02

## FEATURES AND BENEFITS

- Machined for S&S manual or electric compression releases
- 2.000" intake valves and 1.605" exhaust valves
- Special "cast-to-shape" intake ports with a special directional fin for improved air flow
- Precision CNC machined from heat treated aircraft quality aluminum castings
- Machined with S&S 4" cylinder stud pattern and '86-90 S&S SA pushrod hole locations

## KIT CONTENTS

- 2 fully assembled cylinder heads in Natural or Wrinkle Black (WBlack) with S&S .650" lift springs
- Threaded plugs to seal compression release holes if no compression releases are used



106-2194

## S&S® SUPER STOCK® HEAD KITS FOR 4" BORE S&S ENGINES

Application	Natural	MSRP
1986-'03 Sportster® models	<b>106-2194</b>	\$2,020.00
1994-'02 Buell® models	<b>106-2297</b>	\$2,020.00



**ALL OTHER SPECIFICATIONS AND FINISHES ARE AVAILABLE THROUGH SPECIAL ORDER 90-1328\*** Call for Pricing

\*Special Order: Download the Special Order Form at [sscycle.com/soforms](http://sscycle.com/soforms)



**THESE KITS REQUIRES SPECIAL S&S PISTONS AND GASKETS.** Order the required piston oversize and gaskets from the charts below.



92-1420



90-1909

## S&S® 4" PISTON KITS FOR 1986-'03 HARLEY-DAVIDSON® SPORTSTER® MODELS

Oversize	Part No.	MSRP
Standard	<b>92-1420</b>	\$366.71
+0.010"	<b>92-1421</b>	\$366.71
+0.020"	<b>92-1422</b>	\$366.71

Kits include a set of pistons, rings, wristpins and keepers.

## S&S® 4" BORE GASKET KIT FOR 1986-'03 HARLEY-DAVIDSON® SPORTSTER® MODELS

Description	Part No.	MSRP
Head, Base and Exhaust Gaskets	<b>90-1909</b>	\$32.87

**REPLACEMENT PARTS: SEE PAGE 342**

**NOTE**

Due to expanded stud pattern, these heads will not fit on stock Sportster® Evolution® engines.



# 3-1/2" AND 3-5/8" SUPER STOCK® CYLINDER HEADS

## FITMENT

- 1986-'03 Harley-Davidson® Sportster®
- 1994-'02 Buell® (heads require S&S Super stock pistons)

## FEATURES AND BENEFITS

- Machined with a stock bolt pattern
- Larger, more open combustion chamber presents less resistance to air flow around the valves
- 2.000" intake valves and 1.605" exhaust valves
- Special "cast-to-shape" intake ports with a special directional fin for improved air flow
- Precision CNC machined from heat treated aircraft quality aluminum castings

## KIT CONTENTS

- Complete head assembly in Natural or Wrinkle Black (WBlack) with valves and S&S .650" lift springs



**REPLACEMENT PARTS: SEE PAGE 342**

## ASSEMBLED S&S® SUPER STOCK® HEAD KITS

Application	Natural	MSRP	WBlack	MSRP
1991-'03 Sportster® models	<b>90-1310</b>	\$1,650.00	<b>90-1810</b>	\$1,650.00
1986-'90 Sportster models	—	—	<b>90-1802</b>	\$1,445.95
1994-'02 Buell® models	<b>90-1305</b>	\$1,445.95	—	—

DISCLAIMER: NOT LEGAL FOR SALE OR USE IN CALIFORNIA ON ANY POLLUTION CONTROLLED MOTOR VEHICLE. Not legal for sale or use on any EPA pollution controlled motor vehicle.

**ALL OTHER SPECIFICATIONS AND FINISHES ARE AVAILABLE THROUGH SPECIAL ORDER**

\* Special Order: Download the Special Order Form at [sscycle.com/soforms](http://sscycle.com/soforms)

**90-1328\*** Call for Pricing

**! THESE KITS REQUIRES SPECIAL S&S PISTONS AND GASKETS.** Order the required piston oversize and gaskets from the charts below.



**92-1080**

## 3 5/8" FORGED PISTON KITS FOR S&S® SUPER STOCK® HEADS

Oversize	Low Compression		Intermediate Compression	
Standard	<b>92-1080</b>	\$364.52	—	—
+0.010"	<b>92-1081</b>	\$372.87	—	—
+0.020"	—	—	<b>92-1122</b>	\$420.88
+0.030"	<b>92-1083</b>	\$391.27	—	—
+0.040"	<b>92-1084</b>	\$391.27	—	—

Piston kits include set of pistons, rings, wristpins, and clips.  
Loose: 0.0035" - 0.0045"

Recommended piston fit: Close: 0.0023" - 0.0025"

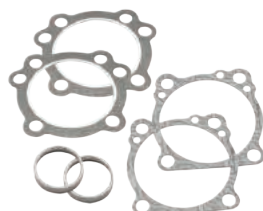
## FOR COMPRESSION RATIOS AND CYLINDER KITS SEE PAGE 308

## 3 1/2" BORE FORGED PISTON KITS FOR S&S® SUPER STOCK® HEADS (10.5:1 COMPRESSION)

Oversize	Deck Height	Part No.	MSRP
Standard	1.1875"	<b>92-2016</b>	\$366.71
+0.010"		<b>92-2017</b>	\$366.71
+0.020"		<b>92-2018</b>	\$366.71

Piston kits include set of pistons, rings, wristpins, and clips.

Recommended piston fit: Close: 0.0015" - 0.0020" Loose: 0.0030" - 0.0040"



**90-1907**

## GASKET KITS FOR S&S® SUPER STOCK® CYLINDER HEADS

Bore Size	Part No.	MSRP
3 1/2"	<b>90-1907</b>	\$31.42
3 5/8"	<b>90-1908</b>	\$31.42

# CYLINDER HEAD AND MOTOR MOUNTS

## HEAD MOUNTS FOR SPORTSTER® MODELS

Two head mounts are required for 1986-'03 Harley-Davidson® Sportster® models. The center mount is a two-piece design for maximum flexibility. The front mount is one piece and available in two versions according to cylinder length. Machined from ¼" thick steel and provided in a semi-gloss black finish.

1986-'03 Sportster® Chassis



93-4055

### CENTER MOUNT






Fits All Engines	<b>93-4055</b>	\$106.97
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### FRONT MOUNT

Stock to 5.087" Long Cylinders 16214-86, 16222-86	<b>93-4056</b>	\$87.46
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# HEAD BOLTS WITH WASHERS

## S&S® HEAD BOLT INFORMATION CHART

Length w/ Washer	Washer Thickness	Head Bolt w/Washer	Washers Only		
1.690"	.250"	93-3028 	\$9.31	50-7091	\$1.63
1.840"	.100"	93-3027	\$9.31	50-7088	\$2.00
1.920"	.250"	93-3036	\$14.31	50-7091	\$1.63
2.070"	.100"	93-3031 	\$14.31	50-7088	\$2.00
2.220"	.250"	93-3038	\$14.31	50-7091	\$1.63
2.370"	.100"	93-3032	\$14.31	50-7088	\$2.00
3.134"	.250"	93-3029 	\$14.31	50-7091	\$1.63
3.284"	.100"	93-3030 	\$14.31	50-7088	\$2.00
3.501"	.250"	93-3037*	\$14.31	50-7091	\$1.63
3.651"	.100"	93-3033 	\$14.31	50-7088	\$2.00

\* Drilled & tapped deeper to allow shortening for custom lengths.













93-3028

### HEAD BOLT WASHERS

Thickness	Part No.	MSRP
.100"	<b>50-7088</b>	\$2.00
.150"	<b>50-0418-S</b>	\$1.52
.250"	<b>50-7091</b>	\$1.63

## S&S® HEAD BOLTS FOR 1986-2003 HARLEY-DAVIDSON® SPORTSTER® MODELS

Engine Displacement	Stroke	Cylinder Length	Cylinder Head Type	Short Bolt w/Washer		Long Bolt w/Washer		Head Bolt Kit	
883/1100/1200cc S&S 79"	3 <sup>13</sup> / <sub>16</sub> "	4.650"	S&S 1986-'90 H-D®	93-3027	\$9.31	93-3030 	\$14.31	93-3010 	\$78.48
			1991-Up H-D®	93-3027	\$9.31	93-3030 	\$14.31	93-3010 	\$14.31
S&S 89"	4 <sup>5</sup> / <sub>16</sub> "	5.087"	S&S 1986-'90 H-D®	93-3038	\$14.31	93-3033 	\$14.31	93-3013	\$112.14
			1991-up H-D®	93-3032	\$14.31	93-3033 	\$14.31	93-3013	\$112.14
S&S 91"	3 <sup>5</sup> / <sub>8</sub> "	4.230"	S&S®	93-3028 	\$9.31	93-3029 	\$14.31	93-3011	\$78.48
S&S 100"	4"	4.420"	S&S®	93-3028 	\$9.31	93-3029 	\$14.31	93-3011	\$78.48

## CALCULATING CUSTOM HEAD BOLT LENGTHS SEE INSTRUCTIONS ON PAGE 529

Dress up your engine with these magnetic chrome head bolt covers. Easy installation, no tools, no messy adhesives. A powerful magnet holds cover in place, yet allows easy removal. Chrome plated steel looks great on any engine, but is a must for polished engines. For S&S head bolts only.



50-0333

### S&S® CHROME HEAD BOLT COVERS

(Set of 4)	<b>50-0333</b>	\$65.02
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All reference to H-D® part numbers is for identification purposes only. We in no way are implying that any of S&S Cycle's products are original equipment parts or that they are equivalent to the corresponding H-D® part number shown.

# BILLET ROCKER COVERS

## FITMENT

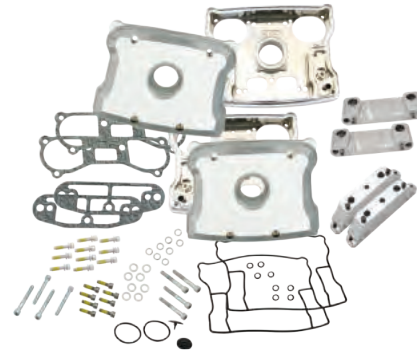
- 1986-'03 Harley-Davidson® Sportster®
- 1994-'02 Buell®

## FEATURES AND BENEFITS

- OEM-style "umbrella" fittings are included with billet rocker boxes for 1993-'99 big twin engines with cylinder head venting
- S&S billet rocker covers are available in three finishes: show-quality chrome, or unfinished. Unfinished is ideal for powder coating and other custom cosmetic treatments
- Installation on stock and most comparable sized engines can be performed without removing the engine from the frame

## KIT CONTENTS

- Covers
- Gaskets
- O-rings
- Mounting hardware



90-4050

**REPLACEMENT PARTS: SEE PAGE 344**

**ANY JOB IS EASY WITH THE RIGHT TOOLS**

**S&S ROCKER COVER WRENCH SET, PAGE 495**

## NOTES

The performance-oriented design of the billet rocker boxes permits valve lifts up to .710" with stock or S&S Super Stock® heads, and up to .810" with S&S Special Application heads. S&S roller rocker arms are recommended for high lift cams.

S&S billet rocker covers accept valve springs up to 1.660" O.D. without modification. Cylinder heads must be set up correctly for high-lift cams, and it remains the builder's responsibility to confirm all clearances.

Kits include front and rear cover assemblies with base and top cover, rocker shaft supports, gaskets and o-rings, and instructions

## S&S BILLET ROCKER COVER KITS

Finish	Part No.	MSRP
Chrome	<b>90-4050</b>	\$1,066.50
Unfinished	<b>90-4055</b>	\$810.97

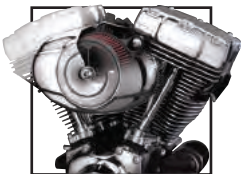
## REPLACEMENT GASKET KIT

Description	Part No.	MSRP
Includes gaskets for two rocker covers	<b>90-4049</b>	\$64.11

# 50-STATE COMPLIANT AIR CLEANER KITS

## EXEMPT FROM EMISSIONS TAMPERING REGULATIONS ON 2001-2016 FUEL INJECTED NON-CVO MODELS UNDER CARB EO# D-355-17

**CARB**  
compliant  
EO #D-355-17



## S&S STEALTH AIR CLEANER KITS\*

Application	Fuel System	Part No.	MSRP
2007-'16 xl	Stock EFI	<b>170-0302A</b>	\$142.80

\*These kits do not contain covers – use a stock Twin Cam 88®, 96™ or 103™ cover or choose an S&S cover.

**SEE PAGE 326 FOR COVER OPTIONS**



## S&S® CLASSIC TEARDROP AIR CLEANER KITS FOR SPORTSTER® MODELS

Model	Finish	FUEL SYSTEM	
		Stock EFI	MSRP
2007-'16 xl	Chrome	<b>170-0306A</b>	\$250.50
	Gloss Black	<b>170-0307A</b>	\$263.90

**SEE PAGE 328 FOR COVER OPTIONS**



## S&S SINGLE BORE TUNED INDUCTION SYSTEM KITS

Fitment	Fuel System	Finish	Part No.	MSRP
2007-'16 XL	Stock EFI	Chrome Runner and Red Filters	<b>170-0311A</b>	\$587.25

**SEE PAGE 327 FOR ACCESSORIES**

Exempt from emissions tampering regulations on 2001-2016 fuel injected non-CVO models under CARB EO# D-355-17

# STEALTH AIR CLEANER KITS

## FITMENT

- 1991-2016 Harley-Davidson® Sportster® models

## FEATURES AND BENEFITS

- Pre-filter available – See page 329
- For the rider who likes to go fast, but doesn't like to advertise
- Air directional stinger cone in the filter
- Can be used with any of several S&S designed covers
- High flow (1" taller) filter kit available – See page 329



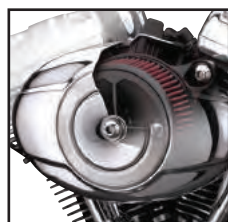
TRI-SPOKE



TORKER



AIR 1



STEALTH



AIRSTREAM



BOBBER-DISHED



BOBBER-DOMED



MUSCLE

### S&S STEALTH AIR CLEANER KITS\*

Application	Fuel System	Part No.	MSRP
1991-'06 xl	Stock CV	<b>170-0093</b>	\$135.31
1991-'03 xl	S&S Super E & G Carbs	<b>170-0113</b>	\$135.31

\*These kits do not contain covers – use a stock Twin Cam 88°, 96™ or 103™ cover or choose an S&S cover.

### S&S STEALTH AIR CLEANER KITS W/CHROME AIRSTREAM COVER

Application	Fuel System	Part No.	MSRP
1991-'06 xl	Stock CV/EFI	<b>170-0053</b>	\$272.30
1991-'03 xl	S&S Super E & G Carbs	<b>170-0114</b>	\$272.30

### S&S STEALTH AIR CLEANER KITS W/CHROME BOBBER-DISHED COVER

Application	Fuel System	Part No.	MSRP
1991-'06t xl	Stock CV/EFI	<b>170-0094</b>	\$225.66
1991-'03 xl	S&S Super E & G Carbs	<b>170-0115</b>	\$225.66

### S&S STEALTH AIR CLEANER KITS W/CHROME BOBBER-DOMED COVER

Application	Fuel System	Part No.	MSRP
1991-'06 xl	Stock CV/EFI	<b>170-0095</b>	\$225.66
1991-'03 xl	S&S Super E & G Carbs	<b>170-0116</b>	\$225.66

### S&S STEALTH AIR CLEANER KITS W/CHROME MUSCLE COVER

Application	Fuel System	Part No.	MSRP
1991-'06 xl	Stock CV/EFI	<b>170-0096</b>	\$263.86
1991-'03 xl	S&S Super E & G Carbs	<b>170-0117</b>	\$263.86

### STEALTH COVER DESIGNS

Finish	Part No.	MSRP
Tri-Spoke	<b>170-0210</b>	\$141.78
Torker	<b>170-0206</b>	\$141.78
Air 1	<b>170-0214</b>	\$141.78

### S&S AIRSTREAM COVER ONLY

Finish	Part No.	MSRP
Chrome	<b>170-0118</b>	\$142.80
WBlack	<b>170-0122</b>	\$142.80

### S&S BOBBER-DISHED COVER ONLY

Finish	Part No.	MSRP
Chrome	<b>170-0119</b>	\$96.83
WBlack	<b>170-0123</b>	\$96.83

### S&S BOBBER-DOMED COVER ONLY

Finish	Part No.	MSRP
Chrome	<b>170-0120</b>	\$96.83
WBlack	<b>170-0124</b>	\$96.83

### S&S MUSCLE COVER ONLY

Finish	Part No.	MSRP
Chrome	<b>170-0121</b>	\$137.66
WBlack	<b>170-0125</b>	\$132.57
WBlack with Highlighted Logo	<b>170-0190</b>	\$137.66

## NOTES

Fuel injection tuning is not required with this product. S&S offers fuel injection tuning products starting on page 336.

DISCLAIMER: NOT LEGAL FOR SALE OR USE IN CALIFORNIA ON ANY POLLUTION CONTROLLED MOTOR VEHICLE. Not legal for sale or use on any EPA pollution controlled motor vehicle.



# SINGLE BORE TUNED INDUCTION SYSTEM

## FITMENT

- 1991-'16 Harley-Davidson® Sportster® (with stock CV carb or EFI, or S&S carb)

## FEATURES AND BENEFITS

- Bolt-on performance — over twice the filtering area over stock intake system
- Increases horsepower and torque across the rpm range using air column inertia and carefully timed gas dynamic pressure waves
- Smooth intake tract of carefully selected tuned lengths increases performance
- High flow washable and reusable cotton media provides performance, protection, and economy

## S&S SINGLE BORE TUNED INDUCTION SYSTEM KITS

Fitment	Fuel Delivery	Finish	Part No.	MSRP
1991-'06 XL	Stock CV	Chrome Runner and Red Filters	<b>170-0089</b>	\$587.19
<b>CTO</b>	Specify	Specify	<b>106-5337*</b>	Call for Pricing

\*Use the Configure to Order (CTO) part number to order different finish and filter color.

DISCLAIMER: NOT LEGAL FOR SALE OR USE IN CALIFORNIA ON ANY POLLUTION CONTROLLED MOTOR VEHICLE. Not legal for sale or use on any EPA pollution controlled motor vehicle.



Billet adaptor brackets make single bore tuned induction compatible with many engines and motorcycles.

**REPLACEMENT PARTS: SEE PAGE 347**

## ACCESSORIES

Description		Part No.	MSRP
Air Filter (each sold with clamp)	Red	<b>17-1020</b>	\$54.00
	Blue	<b>17-1023</b>	\$54.00
Air Filter Oil, 8 oz. Bottle	Red	<b>106-1163</b>	\$16.03
	Blue	<b>106-1164</b>	\$16.03
Nylon Air Filter Cover	each	<b>106-0247</b>	\$26.17
	2 pack	<b>106-0248</b>	\$47.15



**106-0248**



**17-1020**



**17-1023**



**106-1163**



**106-1164**

# CLASSIC TEARDROP AIR CLEANER KIT

## FITMENT

- 1986–2017 Harley-Davidson® Sportster®
- 1994–'02 Buell®

## FEATURES AND BENEFITS

- Uniquely designed back plate has air horn style radiused entryway to reduce turbulence
- Dimpled cover with directional air cone on inside creates smooth path for air
- Great addition to performance exhaust or cams

## KIT CONTENTS

- Teardrop Air Cleaner Cover in Chrome or Gloss Black
- Filter
- Backing plate
- All mounting hardware



REPLACEMENT PARTS STARTING ON PAGE 348

## S&S® CLASSIC TEARDROP AIR CLEANER KITS FOR SPORTSTER® AND BUELL® MODELS

Model	Finish	FUEL DELIVERY TYPE					
		Stock CV	MSRP	S&S, Harley-Davidson®, Tillotson®, Bendix®, Keihin®		Super E & G	MSRP
2004-2016 xl	Chrome	<b>17-0448</b>	\$250.50	–	–	<b>17-0428</b>	\$250.50
	Gloss Black	<b>170-0182A</b>	\$263.90	–	–	–	–
1991-'06 HD® Carbureted xl	Chrome	<b>17-0448</b>	\$250.50	–	–	<b>17-0404</b>	\$250.50
	Gloss Black	<b>170-0182A</b>	\$263.90	–	–	–	–
1988-'90 xl	Chrome	–	–	–	–	<b>17-0399</b>	\$250.50
1986-'87 xl	Chrome	–	–	<b>17-0108</b>	\$239.95	<b>17-0399</b>	\$250.50

DISCLAIMER: NOT LEGAL FOR SALE OR USE IN CALIFORNIA ON ANY POLLUTION CONTROLLED MOTOR VEHICLE. Not legal for sale or use on any EPA pollution controlled motor vehicle.

## NOTE

Fuel delivery (carbureted or EFI) may need to be modified to maintain the correct air and fuel mixture



## TEARDROP AIR CLEANER COVERS

Style	Finish	Part No.	MSRP
Classic Teardrop	Chrome	<b>17-0378</b> TÜV 2.7	\$150.29
	Gloss Black	<b>170-0384A</b>	\$145.00
Slasher Teardrop	Chrome	<b>17-0004</b>	\$150.29
Nostalgic Teardrop	Polished	<b>17-0071</b>	\$174.13

# PRE-FILTERS

## FITMENT

- S&S® Stealth Air Filters

## FEATURES AND BENEFITS

- Water resistant
- Prevents large debris from prematurely clogging filter
- Washable Nylon
- Promotes longer filter life
- Reduces the risk of water entering air intake system

### S&S® PRE-FILTERS

Application	Part No.	MSRP
Standard Stealth Air Filter	<b>170-0193</b>	\$24.28
1" Tall Stealth Air Filter	<b>170-0197</b>	\$24.28



170-0197

# HIGH FLOW AIR FILTER KITS

## FITMENT

- S&S Classic Teardrop air cleaners for Super E & G carbs and S&S EFI throttle bodies

## FEATURES AND BENEFITS

- Low restriction filter element comes pre-oiled for true plug and play installation
- 1" wider filtration area provides up to 37% more airflow over standard S&S filters
- Resulting band of exposed filter material imparts a high performance look

## KIT CONTENTS

- Wide filter
- Filter spacers



170-0127

### S&S® HIGH FLOW AIR FILTERS

Description	Fitment	Part No.	MSRP
High Flow Air Filter Kit (includes spacers)	Classic Teardrop	<b>17-0045</b>	\$55.55
	Stealth, 1" Taller	<b>170-0127 *</b>	\$61.16
1" Taller Filter Only	Classic Teardrop	<b>106-4724</b>	\$23.42
	Stealth	<b>170-0154</b>	\$40.80
Spacer	Classic Teardrop & Stealth, 1" Taller	<b>50-5009-S</b>	\$12.69

\*DISCLAIMER: NOT LEGAL FOR SALE OR USE IN CALIFORNIA ON ANY POLLUTION CONTROLLED MOTOR VEHICLE. Not legal for sale or use on any EPA pollution controlled motor vehicle.



17-0045

# STANDARD REPLACEMENT FILTERS

### S&S® STANDARD REPLACEMENT AIR FILTERS

Description	Fitment	Part No.	MSRP
Standard Filter Only	Classic Teardrop	<b>106-4722</b>	\$21.86
	Stealth	<b>170-0126</b>	\$40.76

# SUPER E & G COMPLETE CARBURETOR KITS

## FITMENT

- 1986-'06 Harley-Davidson® Sportster®
- 1994-'02 Buell®

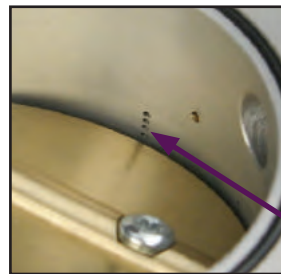
## FEATURES AND BENEFITS

- Four fuel delivery ports — Better throttle response
- O-ring sealed idle mixture screw
- Increased air flow for more power
- Adjustable accelerator pump for quick throttle response and easy starting
- Utilization of the factory dual cable system ensures safe operation
- Direct replacement and high quality fit and finish — less down time and better performance
- Variable position enrichment starting system

## KIT CONTENTS

- FULL KIT (For engines with stock length cylinders)
  - Super E/G carburetor
  - S&S intake manifold (stock length)
  - Classic Teardrop air cleaner kit
  - Mounting hardware and gaskets
  - Instructions
- Partial Kit
  - Super E carburetor
  - Classic Teardrop air cleaner
  - Mounting hardware
  - Gaskets
  - Instructions

11-0409



As the throttle plate opens, it exposes more of these holes to engine vacuum and delivers more fuel as rpm increases. When you run out of holes in the intermediate system, the main jet comes in and handles fuel delivery for the higher rpm.

REPLACEMENT PARTS: SEE PAGE 354

## S&S® SUPER E & G COMPLETE CARBURETOR KITS

Models	Super E	MSRP
2004-'06 Sportster	<b>11-0470</b>	\$609.00
1991-'03 Sportster	<b>11-0409</b>	\$609.00
1986-'90 Sportster	<b>11-0408</b>	\$609.00

## S&S® SUPER E PARTIAL KIT (NO MANIFOLD)

Models	Part No.	MSRP
1991-'03 Sportster	<b>11-0443</b>	\$539.40
1986-'90 Sportster	<b>11-0440</b>	\$539.40

## S&S® SUPER E & G CARBURETOR ONLY

Fitment	Super E	MSRP	Super G	MSRP
All Years & Models	<b>11-0420</b>	\$365.36	<b>11-0421</b>	\$386.24

## NOTES

Due to inadequate frame clearance, the taller throttle bracket cannot be used on 1986-'03 Harley-Davidson® Sportster® chassis. Therefore, these Sportster models require the installation of earlier butterfly style throttle cables. Kits for 2004-'06 Sportster models are compatible with stock throttle cables.

S&S® does not recommend polishing or chrome plating Super E & G carburetors. Our repair department has seen many carbs with plugged passages due to polishing compounds, and some carbs have been destroyed because the polishing or chrome plating had altered critical machined surfaces.

Recommended for closed circuit use only—S&S Super E & G carburetors shown in this catalog section are not approved for use on motor vehicles operated on California public highways, or in other states where similar pollution laws may apply. The user shall determine the suitability of the product for his or her use and shall assume all risk and liability in connection therewith.

1998-up Buell® models require the use of 1996-'97 throttle assembly.

S&S throttle cables must be used for all Buell applications.

DISCLAIMER: NOT LEGAL FOR SALE OR USE IN CALIFORNIA ON ANY POLLUTION CONTROLLED MOTOR VEHICLE. Not legal for sale or use on any EPA pollution controlled motor vehicle.

# TÜV APPROVED SUPER E CARBURETOR KITS

## FITMENT

- 1986-'06 Harley-Davidson® Sportster®

## KIT CONTENTS

- Documentation proving TÜV compliance
- 1 7/8" bore Super E carburetor
- Intake manifold
- Classic Teardrop air cleaner cover
- Air filter
- All mounting hardware and gaskets
- Complete instructions



106-2539

## TÜV APPROVED SUPER E CARB KIT FOR SPORTSTER® MODELS

Application	1200cc	MSRP	883cc	MSRP
2004-'06	<b>106-2542</b>	\$664.10	<b>106-2547</b>	\$664.10
1991-'03	<b>106-2540</b>	\$664.10	<b>106-2545</b>	\$664.10
1986-'90	<b>106-2539</b>	\$664.10	<b>106-2544</b>	\$664.10

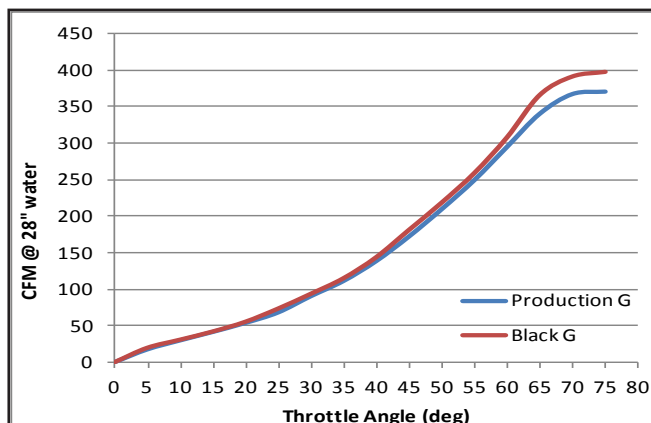
# BLACK SUPER E & G CARBURETORS

## FEATURES AND BENEFITS

- Exclusive black satin Enduraguard® coating — heat and chemical resistant
- Increased venturi diameter! — specially machined for 7% more flow— See flow chart

## S&S® BLACK CARBURETORS

Fitment	Description	Part No.	MSRP
1986-2006 XL	Super E Carb	<b>110-0099</b>	\$403.36
	Super G Carb	<b>110-0100</b>	\$424.24



Flow at WOT (wide open throttle) for the Black G carb increases 7% vs. the base S&S G carb



110-0099



**NOTE**

These black carb kits do not include air cleaners. Air cleaner options are on page 347

DISCLAIMER: FOR CLOSED COURSE COMPETITION USE ONLY. NOT INTENDED FOR STREET USE.

## RIGID CARB SUPPORT BRACKETS

### FITMENT

- 1986-'03 Harley-Davidson® Sportster®, 1994-'02 Buell®

### S&S® SUPPORT BRACKET, AIR CLEANER TO HEAD

Application	Stock Carb and S&S Air Cleaner		CV Carburetor, S&S Air Cleaner	
	Part No.	MSRP	Part No.	MSRP
1986-'03 Sportster®	<b>17-0311</b>	\$28.27	—	—
1994-'02 Buell®	<b>17-0311</b>	\$28.27	<b>17-0309</b>	\$5.95



17-0311



17-0309

## BREATHER CONVERSION KIT

### FITMENT

- 1991-'03 Harley-Davidson® Sportster®

### FEATURES AND BENEFITS

- Instead of o-rings, banjo fittings are sealed with durable silicon coated washers

### S&S BREATHER CONVERSION KIT

Fitment	Part No.	MSRP
Super E 1 7/8" Carb	<b>17-0487</b>	\$40.87



17-0487

Breather conversion kit for XL engines updates earlier S&S® air cleaner kits for 1991-'03 Sportster® models to the latest breather hardware.



# TWO CABLE THROTTLE ASSEMBLIES

Harley-Davidson® Sportster® models 1987-'03 originally fitted with a constant velocity (CV) carb require conversion to butterfly style throttle cables to work with the S&S butterfly type carburetor. The throttle cables shown in the chart below are designed for this application. S&S Super E carb kits for 2004-'06 Sportster models are designed to accept the stock throttle cables.

## FITMENT

- 1986-'03 Harley-Davidson® Sportster®
- 1996-'02 Buell®



## S&S® THROTTLE CABLE APPLICATION CHART

Application	Fastening Method	Length Total Housing	Length Vinyl Housing	Open Side	MSRP	Close Side	MSRP
1996-'03	Snap-in	36"	32"	<b>19-0436</b>	\$42.26	<b>19-0437</b>	\$42.26
1986-'95	Threaded	36"	32"	<b>19-0432</b>	\$42.26	<b>19-0433</b>	\$42.26
1996-up Custom	Snap-in	42"	38"	<b>19-0440</b>	\$42.26	<b>19-0441</b>	\$42.26
1986-'95	Threaded	42"	38"	<b>19-0446</b>	\$42.26	<b>19-0447</b>	\$42.26

\* 1998 and later required Harley-Davidson® throttle assembly #71831-96

## REPLACEMENT PARTS

Description	Part No.	MSRP
S&S Universal Throttle Cable	<b>106-3520</b>	\$22.38
Throttle Grip Clamp Set 1985-'95	<b>106-3519</b>	\$22.38
Top Throttle Grip Clamp only	<b>19-0222</b>	\$11.66
Bottom Throttle Grip Clamp only	<b>19-0220</b>	\$12.58
Throttle Grip Clamp Screw (Fits S&S throttle assemblies: Part #19-0448, #19-0449, #19-0482, #19-0450, and #19-0229)	<b>50-0043</b>	\$2.29
Throttle Grip Set	<b>106-3521</b>	\$42.26
Right Hand Grip only	<b>19-0225</b>	\$29.14
Left Hand Grip only	<b>19-0226</b>	\$23.31
Cable Adjuster Fits S&S throttle assembly part #19-0229.	<b>19-0223</b>	\$3.70
Cable Adjuster Jam Nut Fits S&S throttle assembly part #19-0229	<b>19-0227</b>	\$0.68
Handlebar Spacing Sleeve 4" x 1" O.D. – converts 7/8" handlebars to 1" O.D.	<b>19-0235</b>	\$17.40



## NOTES

The chart on this page is used only when using throttle cable bracket part #11-2339. This bracket is standard on all S&S® Super E & G carburetor kits for Harley-Davidson® Sportster® models with the exception of the kit for 2004-'06 models.

1987-'03 Sportster® models originally fitted with a constant velocity (CV) carb require conversion to butterfly style throttle cables to work with the S&S butterfly type carburetor. S&S Super E carb kits for 2004-'06 Sportster models are designed to accept the stock throttle cables.

# JETS & CARB REBUILD KITS

## FOR S&S SUPER E & G CARBURETORS

For those who need to rejet their carburetor because of engine modifications, exhaust modifications, or changes in altitude, we have extra jet kits available which are designed to cover most jetting situations.

### DEALER JET KITS

Description	Part No.	MSRP
S&S Carb Parts Kit (Contains needed parts to maintain S&S Super E and G carburetors)	<b>11-3103</b>	\$355.96
S&S Jet Kit (Includes 3 each of all intermediate jets and 5 each of all main jets, plus a main jet tool)	<b>11-3102</b>	\$331.93

### JET PACKS

Description	Part No.	MSRP
<b>Low Range Jet Pack</b> – For jetting most stock and moderate performance engines.		
Includes one each intermediate jets (.025", .0265", .028", .0295") one each main jets (.062", .064", .066", .068", .070", .072", .074").	<b>11-7270</b>	\$49.25
<b>High Range Jet Pack</b> – For jetting some stock and all performance engines.		
Includes one each intermediate jets (.0295", .031", .032", .033") and one each main jets (.072", .074", .076", .078", .080", .082", .084").	<b>11-7271</b>	\$49.25
<b>Master Jet Pack</b> – For jetting all Super B, E, and G equipped engines.		
Includes one each intermediate jets (.025", .0265", .028", .0295", .031", .032", .033") and one each main jets (.062", .064", .066", .068", .070", .072", .074", .076", .078", .080", .082", .084").	<b>11-7272</b>	\$84.92

### INTERMEDIATE JETS - SERIES #94 INDIVIDUAL SELECTION

Size	QTY	Part No.	MSRP	Size	QTY	Part No.	MSRP
<b>.025</b>	each	<b>11-0250</b>	\$9.22	<b>.032</b>	each	<b>11-0320</b>	\$9.22
	3 pack	<b>11-7107</b>	\$25.12		3 pack	<b>11-7112</b>	\$25.12
<b>.0265</b>	each	<b>11-0265</b>	\$9.24	<b>.033</b>	each	<b>11-0330</b>	\$9.22
	3 pack	<b>11-7108</b>	\$25.12		3 pack	<b>11-7113</b>	\$25.12
<b>.028</b>	each	<b>11-0280</b>	\$9.24	<b>.036</b>	each	<b>11-0360</b>	\$9.22
	3 pack	<b>11-7109</b>	\$25.12		3 pack	<b>11-7114</b>	\$25.12
<b>.0295</b>	each	<b>11-0295</b>	\$9.24	<b>.040</b>	each	<b>11-0400</b>	\$9.22
	3 pack	<b>11-7110</b>	\$25.12		3 pack	<b>11-7115</b>	\$25.12
<b>.031</b>	each	<b>11-0310</b>	\$9.22	<b>Blank</b>	each	<b>11-0000</b>	\$9.22
	3 pack	<b>11-7111</b>	\$25.12				

Early Series #94 gas jets were stamped with single digit numbers. Conversions for these numbers are:

1.....	.025"	4.....	.033"
2.....	.028"	5.....	.036"
3.....	.031"	6.....	.040"

## NOTES

No returns or exchanges on jets.

Refer to Section 8: Racing for the S&S fuel and turbo carburetors.



11-3103



11-3102



11-7272



106-3517

## MAIN JETS - SERIES #72 INDIVIDUAL SIZE SELECTION

Size	QTY	Part No.	MSRP	Size	QTY	Part No.	MSRP
.040	each	11-4040	\$8.07	.080	each	11-4080	\$8.07
	5 pack	11-7220	\$36.66		5 pack	11-7240	\$36.66
.042	each	11-4042	\$8.07	.082	each	11-4082	\$8.07
	5 pack	11-7221	\$36.66		5 pack	11-7241	\$36.66
.044	each	11-4044	\$8.07	.084	each	11-4084	\$8.07
	5 pack	11-7222	\$36.66		5 pack	11-7242	\$36.66
.046	each	11-4046	\$8.07	.086	each	11-4086	\$8.07
	5 pack	11-7223	\$36.66		5 pack	11-7243	\$36.66
.048	each	11-4048	\$8.07	.088	each	11-4088	\$8.07
	5 pack	11-7224	\$36.66		5 pack	11-7244	\$36.66
.050	each	11-4050	\$8.07	.090	each	11-4090	\$8.07
	5 pack	11-7225	\$36.66		5 pack	11-7245	\$36.66
.052	each	11-4052	\$8.07	.092	each	11-4092	\$8.07
	5 pack	11-7226	\$36.66		5 pack	11-7246	\$36.66
.054	each	11-4054	\$8.07	.094	each	11-4094	\$8.07
	5 pack	11-7227	\$36.66		5 pack	11-7247	\$36.66
.056	each	11-4056	\$8.07	.096	each	11-4096	\$8.07
	5 pack	11-7228	\$36.66		5 pack	11-7248	\$36.66
.058	each	11-4058	\$8.07	.098	each	11-4098	\$8.07
	5 pack	11-7229	\$36.66		5 pack	11-7249	\$36.66
.060	each	11-4060	\$8.07	.100	each	11-4100	\$8.07
	5 pack	11-7230	\$36.66		5 pack	11-7250	\$36.66
.062	each	11-4062	\$8.07	.102	each	11-4102	\$8.07
	5 pack	11-7231	\$36.66		5 pack	11-7251	\$36.66
.064	each	11-4064	\$8.07	.104	each	11-4104	\$8.07
	5 pack	11-7232	\$36.66		5 pack	11-7252	\$36.66
.066	each	11-4066	\$8.07	.106	each	11-4106	\$8.07
	5 pack	11-7233	\$36.66				
.068	each	11-4068	\$8.07	.108	5 pack	11-7254	\$34.95
	5 pack	11-7234	\$36.66				
.070	each	11-4070	\$8.07	.110	each	11-4110	\$8.07
	5 pack	11-7235	\$36.66		5 pack	11-7255	\$36.66
.072	each	11-4072	\$8.07	.115	each	11-4115	\$8.07
	5 pack	11-7236	\$36.66		5 pack	11-7256	\$36.66
.074	each	11-4074	\$8.07	.120	each	11-4120	\$8.07
	5 pack	11-7237	\$36.66		5 pack	11-7257	\$36.66
.076	each	11-4076	\$8.07	Blank	each	11-4040	\$8.07
	5 pack	11-7238	\$36.66		5 pack	11-7258	\$36.66
.078	each	11-4078	\$8.07				
	5 pack	11-7239	\$36.66				

## MAIN JET AIR BLEED KIT (One Jet Each Size)

Sizes	Part No.	MSRP
.042" - .060"	106-3517	\$66.26
.084" - .120"	106-3518	\$53.49

## S&S® CARBURETOR REBUILD KITS

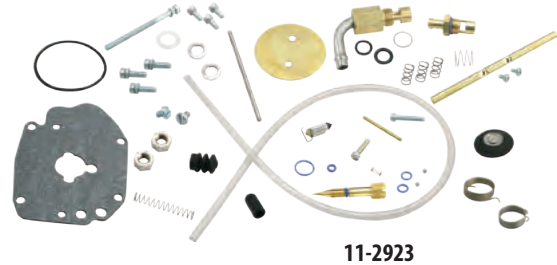
To insure that you continue to get the utmost in performance from your S&S carburetor, we have put together a series of rebuild kits that are designed to provide the proper parts to return a worn carburetor to top shape. We have assembled different types of kits to cover the different degrees of rebuild necessary.

## MASTER REBUILD KITS

Master rebuild kits contain a body rebuild kit, accelerator pump rebuild kit (Super E and G only), all new fasteners, springs, idle mixture screw, seat, and needle assembly. Everything needed to completely rebuild one carburetor.

### MASTER REBUILD KIT

Description	Part No.	MSRP
Super E	11-2923	\$84.92
Super G	11-2924	\$84.92



11-2923

## BODY REBUILD KITS

Body rebuild kits for Super E and G carbs also contain throttle shaft nuts, nylon washers, accelerator pump o-ring, and accelerator pump boot. Body rebuild kits for Super E and G carbs do not contain throttle shaft bushings since these carbs have stainless steel throttle shaft bushings already installed.

### BODY REBUILD KIT

Description	Part No.	MSRP
Super E	11-2906	\$42.97
Super G	11-2907	\$42.97



11-2907

## BASIC REBUILD KIT

A gasket and seal kit for low mileage Super E & G carbs. Perfect to reassemble carbs taken apart for inspection and cleaning.

### BASIC REBUILD KIT

Description	Part No.	MSRP
Super E & G	110-0067	\$36.43



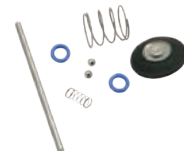
110-0067

## ACCELERATOR PUMP REBUILD KITS

Accelerator pump rebuild kits contain diaphragm, diaphragm spring, check balls, check ball spring, pump pushrod, and required hardware and o-rings.

### ACCELERATOR PUMP REBUILD KIT

Description	Part No.	MSRP
Super E & G	11-2918	\$20.94



11-2918

# MANIFOLD CONVERSION KITS

## FITMENT

- 1986-'03 Harley-Davidson® Sportster®
- Can be used with S&S Super B and Super E carburetors, as well as stock carburetors with a two-bolt mounting pattern

## FEATURES AND BENEFITS

- Increased airflow
- Eliminates the possibility of severe engine damage due to extreme lean conditions created by cracks in stock rubber manifolds

## KIT CONTENTS

- Manifold
- Front and rear mounting flanges
- Manifold o-rings
- Aluminum spacer shims



16-1650

## S&S® MANIFOLD CONVERSION KITS FOR SPORTSTER® MODELS

Year	Cylinder Length	Size No.	Part No.	MSRP
1986-'03	4.650"	341	<b>16-1650*</b>	\$116.57

\* Fits S&S ES, LS, Super B, Super E, Tillotson®, Bendix®, Keihin®

## NOTES

These manifolds may change the way a stock carburetor and air cleaner assembly fit. This means that these components may require shimming and/or a slight change in mount bracketing.

S&S style o-rings must be used with these manifolds. S&S o-rings are slightly thinner to accommodate the larger S&S port diameter. Use of stock o-rings may damage the manifold.

## REPLACEMENT PARTS MANIFOLD CONVERSION KIT

Description	Part No.	MSRP
Manifold	<b>16-1620</b>	\$100.54
Flanges	Front 27009-86A each	<b>16-0232</b> \$20.40
	5 pack	<b>16-0600</b> \$100.54
	Rear 27010-86A each	<b>16-0233</b> \$20.40
	5 pack	<b>16-0601</b> \$100.54
Set (Front & Rear)		<b>106-3516</b> \$40.00
O-rings	each	<b>16-0235</b> \$5.03
	5 pack	<b>16-0243</b> \$45.07
0.350" Spacers	<b>50-7044</b>	\$1.85

# INTAKE MANIFOLDS

## FITMENT

- 1986-'06 Harley-Davidson® Sportster®
- S&S carburetors and other carbs with the same mounting bolt pattern

## FEATURES AND BENEFITS

- Increases airflow

## S&S® MANIFOLDS

### FOR 2004-'06 HARLEY-DAVIDSON® SPORTSTER® MODELS

Displacement	Cylinder Length	Size No.	S&S Super E	MSRP
1200cc	Stock (4.650")	335	<b>16-1519*</b>	\$100.54
Special Order**	Specify	—	<b>169-0003</b>	\$123.95

\*Replacement for manifold supplied in S&S part #11-0470 Super E carb kit. 1 7/8" bore.

\*\*Special Order: Download the Special Order Form at [sscycle.com/soforms](http://sscycle.com/soforms)



16-1620



16-1519



16-0136-S

50-8372

## REPLACEMENT PARTS FOR MANIFOLDS

Description	Part No.	MSRP
Manifold Fitting VOES Rubber Cap, 3/8" I.D. x 5/8" O.D. x 1/2"	<b>50-8372</b>	\$1.33
Manifold Vacuum Fitting	<b>16-0136-S</b>	\$2.99

## S&S® MANIFOLDS FOR 1986-'03 HARLEY-DAVIDSON® SPORTSTER® MODELS

S&S Engine Kit Displacement	Cylinder Length	Size No.	CARBURETOR TYPE					
			S&S ES, LS, Super A, B, E, Tillotson®, Bendix®, Keihin®		Super G		Super D	
883cc, 1100cc, 1200cc, 79"	Stock (4.650")	341	<b>16-1620</b>	\$100.54	<b>16-2520</b>	\$100.54	—	—
100"	4.420"	357	—	—	<b>16-2559</b>	\$100.54	—	—
103"	5.750"	426	—	—	<b>16-2532</b>	\$100.54	—	—
Special Order*	Specify	—	<b>169-0003</b>	Call for Pricing	<b>169-0004</b>	Call for Pricing	<b>169-0005</b>	Call for Pricing

Manifolds available in 1 7/8", 2 1/8", or 2 1/4" bore.

\*Special Order: Download the Special Order Form at [sscycle.com/soforms](http://sscycle.com/soforms)



# MANIFOLDS FOR 1994-'02 BUELL® MODELS

## S&S® MANIFOLDS FOR 1994-'02 HARLEY-DAVIDSON® BUELL® MODELS

Engine Displacement	Cylinder Length	Size Number	Super E		Super G	
			Part No.	MSRP	Part No.	MSRP
1200cc, 79"	Stock - 4.650"	341	<b>16-1520</b>	\$100.54	—	—
S&S SB100	4.420"	357	—	—	<b>16-2569</b>	\$100.54
Special Order*	Specify	—	<b>169-0003</b>	Call for Pricing	<b>169-0004</b>	Call for Pricing

\*Special Order: Download the Special Order Form at [sscycle.com/soforms](http://sscycle.com/soforms)



16-1520

## NOTES

S&S manifolds for Buell models are not interchangeable with manifolds for Harley-Davidson® Sportster® models as they position the carburetor about ¼" higher. This change in position will cause misalignment of mounting hardware.

S&S style o-rings must be used with these manifolds. S&S o-rings are slightly thinner to accommodate the larger S&S port diameter. Use of stock o-rings may damage the manifold.


## HIGH OUTPUT COILS



55-1576

55-1571

### S&S® HIGH OUTPUT COILS

S&S High Output 3.0Ω Single Fire Coil	Part No.	MSRP
<i>The perfect complement for S&amp;S IST ignition systems. This single fire coil is actually two separate coils in a single package. Coil impedance is 3Ω per coil.</i>	<b>55-1571</b>	\$153.42
S&S High Output 0.5Ω Single Fire Coil 	<b>55-1576</b>	\$132.13
High output 0.5Ω single fire coil for S&S IST ignition. 55-1571		

## DYNOJET® POWER VISION® TUNER

### FITMENT

- 2007-'15 Sportster® models

### FEATURES AND BENEFITS

- Flash tune all H-D® models equipped with a Delphi®
- Does NOT require the user to interface with a computer in order to flash a tune. Change rev limit, idle speed, and other parameters directly from the device
- Display all H-D vehicle data as well as wide band AFR\*\* and various calculated channels (such as Avg MPG)
- Customizable virtual gauges allow data to be monitored live, and/or logged while riding
- User defined visual alarms for any data channel
- AutoTune Basic and Pro — calculates and stores fuel trims to help you optimize fuel curve utilizing the factory O<sub>2</sub> sensors (Basic), or Dynojet's Wide Band 2 System (Pro)!
- Check and clear diagnostic codes
- Reset adaptive fuel trims and idle offset (with bike running)

The Power Vision Suite includes a highly flexible tuning/data logging device, as well as a productive tuning application (WinPV) that's user friendly compared to other products on the market.



### WINPV SOFTWARE FEATURES

- Allows you to import Power Commander Maps
- Tuning parameters laid out in a clear, concise manner utilizing a 'tree view structure'
- A viewing mode for every type of user, beginners or professionals
- Individual tuning parameters are able to be saved as "value files." The value files can then be applied to other calibrations
- Compare, restore, and undo features
- Various math functions can be performed on any value
- Synchronized editing of front and rear VE and/or Spark tables
- Helpful tuning parameter descriptions
- Automatic update client ensures you have the latest tuning application, firmware, and tune file database

### DYNOJET POWER VISION TUNER

Fitment	Part No.	MSRP
2007-'13 Sportster® models, Mfr P/N PV-1.	<b>550-0087</b>	\$549.95
2014-'15 Sportster® models, Mfr P/N PV-2.	<b>550-0111</b>	\$419.95

DISCLAIMER: NOT LEGAL FOR SALE OR USE IN CALIFORNIA ON ANY POLLUTION CONTROLLED MOTOR VEHICLE. Not legal for sale or use on any EPA pollution controlled motor vehicle.

**CALIBRATION FILES AVAILABLE FOR DOWNLOAD AT**  
[WWW.SSCYCLE.COM/SOFTWARE/POWER-VISION](http://WWW.SSCYCLE.COM/SOFTWARE/POWER-VISION)



# GASKETS

## TOP END GASKET KITS FOR S&S SB-SERIES ENGINES 1986-'03

4"	<b>90-9503</b>	\$66.46
3½"	<b>90-9509</b>	\$69.20

## CYLINDER HEAD, BASE & EXHAUST GASKET KITS FOR S&S SB-SERIES ENGINES 1986-'03

4"	.043" Micropore	<b>90-1909</b>	\$32.87
3½"	.045" Micropore	<b>90-1908</b>	\$31.42
3½"	.045" Micropore	<b>90-1907</b>	\$31.42
	.030" Layered Steel	<b>900-0532</b>	\$51.58

## HEAD GASKETS

4"	.043" Micropore	each	<b>93-1040-S</b>	\$7.71
		10 pack	<b>93-1071</b>	\$71.71
3½"	.045" Micropore	each	<b>93-1037-S</b>	\$7.71
		10 pack	<b>93-1052</b>	\$71.71
	.0625" Micropore	each	<b>93-1016-S</b>	\$14.89
		10 pack	<b>93-1053</b>	\$144.68
3½"	.045" Micropore 16770-84D, 16770-84F	each	<b>93-1011-S</b>	\$7.50
		10 pack	<b>93-1024</b>	\$85.71
	.0625" Micropore 16770-84D, 16770-84F, 10773-85	each	<b>93-1313-S</b>	\$8.96
		10 pack	<b>93-1051</b>	\$144.26
	.030" Layered Steel	each	<b>900-0530</b>	\$22.51
		2 pack	<b>900-0531</b>	\$42.95

## BASE GASKETS AND O-RINGS

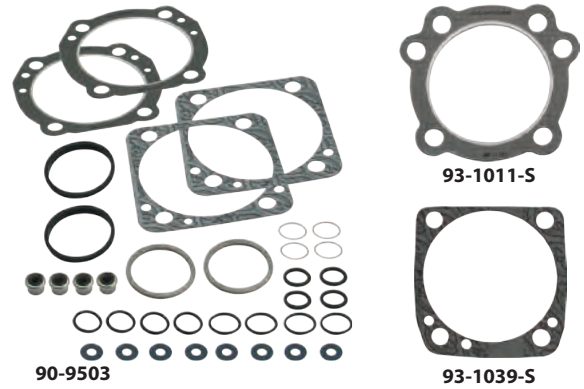
4"	.018" Micropore	each	<b>93-1031-S</b>	\$4.52
		10 pack	<b>93-1067</b>	\$40.87
3½"	.018" Micropore	each	<b>93-1039-S</b>	\$3.75
3½"	.018" Micropore 16777-83A, 16774-86D	each	<b>93-1038-S</b>	\$3.51

## EXHAUST GASKETS

1986- 2003 Sportster Models 65324-83A, 65324-83B	each	<b>106-5029</b>	\$5.03
	10 pack	<b>93-1072</b>	\$44.43

## VALVE GUIDE SEALS

1986- 2003 Sportster Models	each	<b>900-0338</b>	\$1.46
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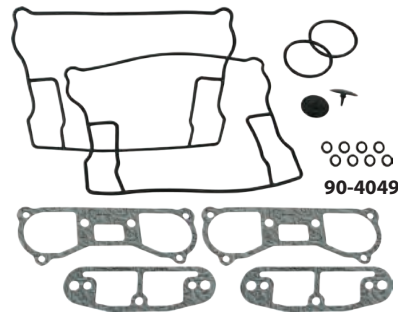
## ROCKER BOX GASKET KITS AND INDIVIDUAL GASKETS

### S&S Billet

Gasket Kit	<b>90-4049</b>	\$64.11
O-ring, (-223), 1.625" ID x 1.875" OD, Viton®	each <b>50-8044</b>	\$1.28
Seal, Umbrella Valve Cover 26856-89, 26856-89A	<b>90-4030</b>	\$1.38
Gasket, Rocker Cover, S&S® Billet, O-ring, 1986-2003 xl	<b>90-4048</b>	\$13.62
Gasket, Bottom, Rocker Cover, 1986-2003 xl	each <b>900-0538</b>	\$9.18
	2 pack <b>900-0592</b>	\$18.94
Gasket, Kit, Rocker Box, 1986-'90 xl 17026-91A	<b>900-0773</b>	\$47.95
Gasket, Kit, Rocker Box, 2004-'06 xl	<b>900-0775</b>	\$47.95
Gasket, Kit, Rocker Box, 2007-up xl	<b>900-0776</b>	\$47.95

## LOWER END GASKETS AND SEALS

Gearcover gasket	each <b>31-2052</b>	\$3.82
Camshaft Oil Seals, 1971 - up 11124	<b>31-4051</b>	\$11.66



106-5029



900-0338



31-4051

All reference to H-D® part numbers is for identification purposes only. We in no way are implying that any of S&S® Cycle's products are original equipment parts or that they are equivalent to the corresponding H-D part number shown.

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Milwaukee  
Eight  
2017

Twin Cam  
96"/103"/110"  
2007-2017

Twin Cam  
88  
1999-2006

Evolution®  
1984-1999

Sportster®  
& Buell®  
1986-2017

Street &  
Street Rod™  
2014-2017

Vintage  
Engines  
1926-1984

X-Wedge®  
2007-2015

Indian® &  
Victory®  
Models

Racing  
Products

Tools &  
Shop  
Supplies

Dealer  
Services  
& Promo  
Items

Warranty &  
Company  
Policy

Appendix  
& Index

## TAPPET GUIDE O-RINGS

1" I.D. x 1 $\frac{3}{16}$ " O.D. x $\frac{3}{32}$ " CS (upper) 11167	each	<b>50-8004</b>	\$1.94
1" I.D. x 1 $\frac{1}{8}$ " O.D. x $\frac{1}{16}$ " CS (lower) 11168A	each	<b>50-8005</b>	\$1.25
$\frac{3}{8}$ " I.D. x $\frac{1}{2}$ " O.D. x $\frac{1}{16}$ " CS (oil hole) 11110	each	<b>50-8006</b>	\$1.05
	10 pack	<b>50-8077</b>	\$6.79

## PUSHROD O-RINGS



O-ring, Kit, Pushrod Cover, 1986-2003 xl		<b>93-4022</b>	\$6.98
Top O-ring 11293, 11157, 11101, 11190	each	<b>50-8039</b>	\$1.68
Middle O-ring 11132A	each	<b>50-8038</b>	\$1.05
Bottom O-ring 11145A	each	<b>50-8037</b>	\$1.05

## SPROCKET SHAFT SEAL

1991-'03 35151-74A		<b>31-4060</b>	\$13.11
1991-'03 S&S SA cases, BT style 120268		<b>31-4010</b>	\$5.83

## FUEL SYSTEM GASKETS

### Manifold Seals

S&S Manifold O-ring	each	<b>16-0235</b>	\$5.03
	10 pack	<b>16-0243</b>	\$45.07
Stock Manifold O-ring  26995-86B, 26995-86A, 26992-99	each	<b>16-0236</b>	\$4.72
	10 pack	<b>16-0244</b>	\$40.87
Cap, rubber, manifold, fitting 		<b>50-8372</b>	\$1.33

## CLASSIC TEARDROP AIR CLEANER

Back Plate gasket	each	<b>106-1724</b>	\$1.57
	10 pack	<b>106-2328</b>	\$13.87
Vent seal washers silicone coated steel 1/2"	each	<b>50-7054</b>	\$1.12
	10 pack	<b>50-7059</b>	\$11.18

## STEALTH AIR CLEANER

Back Plate gasket			
Stock CV Carb & EFI Throttle Body, 1991-up xl 29062-95B		<b>106-6022</b>	\$1.46
Super E/G.	each	<b>106-1724</b>	\$1.57
	10 pack	<b>106-2328</b>	\$13.87
For Muscle air cleaner (includes lanyards)		<b>170-0137</b>	\$18.94
Vent seal washers Nitrile Rubber Coated, 520" x .880" x .024" xl 1991-'06	each	<b>50-7055</b>	\$1.12
	10 pack	<b>50-7057</b>	\$11.18



## SINGLE BORE TUNED INDUCTION SYSTEM

### Back Plate gasket

Gasket, Backplate - E/G/SBEFI	each	<b>106-1724</b>	\$1.57
	10 pack	<b>106-2328</b>	\$13.87
Gasket, S&S SBEFI 58mm		<b>106-4662</b>	\$3.10
Gasket, Stock carb/Throttle Body 29062-95B		<b>106-6022</b>	\$1.46
Adaptor plate gasket		<b>17-1022</b>	\$1.60
Adaptor plate bracket o-ring	each	<b>50-0446</b>	\$2.36

## CARBURETOR GASKETS

Bowl Gasket, Super E & G			<b>11-2386</b>	\$2.78
Pump cap o-ring - (two required)		each	<b>50-8012</b>	\$1.09
		10 Pack	<b>50-8100</b>	\$10.49
Idle Mixture Needle o-ring		each	<b>500-0036</b>	\$1.05
		10 pack	<b>500-0148</b>	\$6.66
Bellows Seal, Accelerator Pump			<b>11-2266</b>	\$3.82
Accelerator pump diaphragm			<b>11-2282</b>	\$14.48
Manifold to carb orings various sizes	Super E	each	<b>50-8016</b>	\$1.05
		10 pack	<b>50-8094</b>	\$9.94
	Super G	each	<b>50-8015</b>	\$1.06
		10 pack	<b>50-8093</b>	\$9.31
Seat and bowl plug o-ring		each	<b>50-8009</b>	\$1.25
		10 pack	<b>50-8095</b>	\$12.40

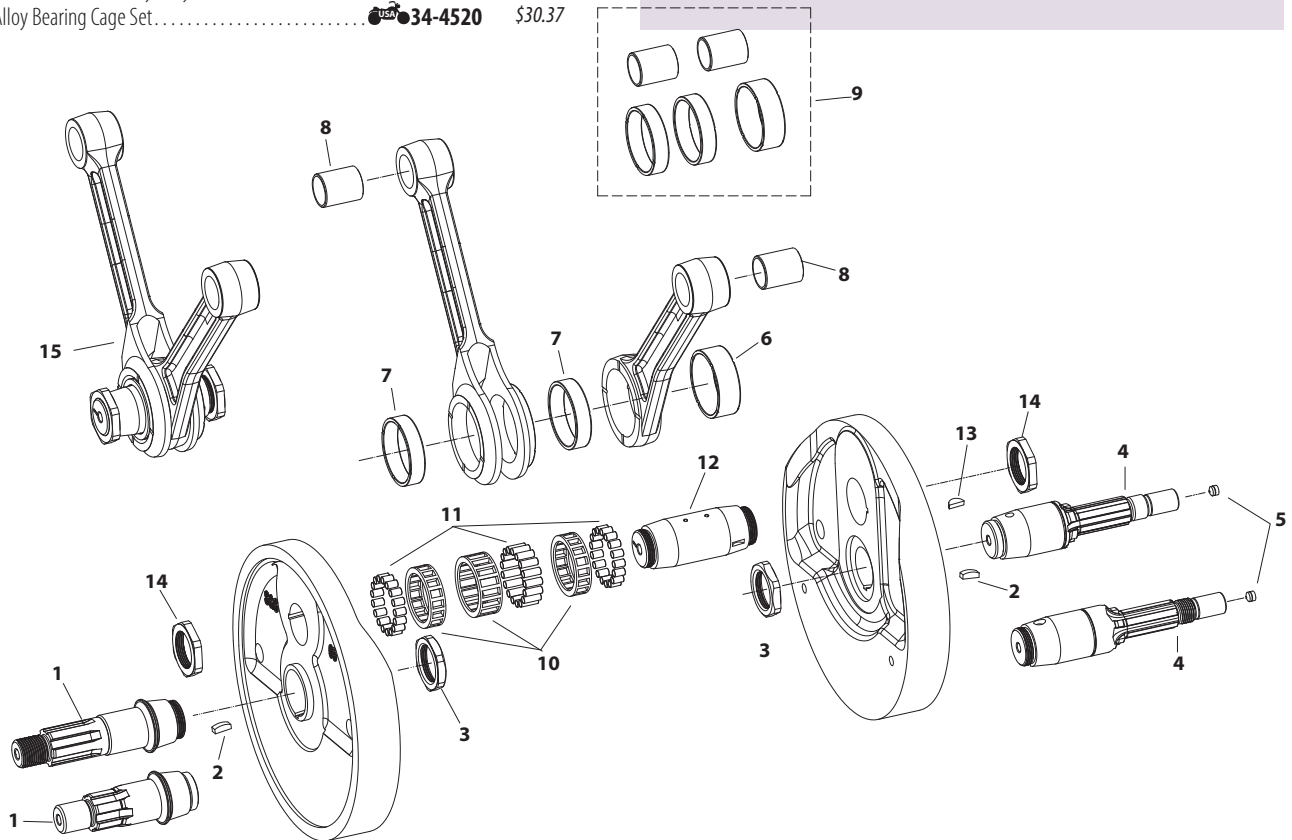
**FOR CARBURETOR REBUILD KITS, SEE PAGE 334**



# FLYWHEEL REPLACEMENT PARTS

- |  |                  |          |
|--|------------------|----------|
| 1. Sprocket Shaft (includes #2 & 3)<br>1986-1990 xl w/ S&S D/SB/SBD/SC/SCD/SCDR/SCR flywheels. ....  | <b>33-2302</b>   | \$174.12 |
| 1991-2003 xl w/ S&S D flywheels & 1994-1999 Buell  | <b>33-2303</b>   | \$183.05 |
| 2. Key (each).....   | <b>50-8224</b>   | \$4.94   |
| 3. Nut .....   | <b>33-2331</b>   | \$6.79   |
| 4. Pinion Shaft 1986-2003 xl (includes #2, 3, 5)<br>w/S&S D/DR flywheels / 1994-1999 Buell .....   | <b>33-2325</b>   | \$246.80 |
| w/S&S D/DR/DF flywheels - Special Application, +.500" .....  | <b>33-2329</b>   | \$253.34 |
| 5. Meter Plug-<br>.0625" hole .....  | <b>50-8316</b>   | \$4.33   |
| no hole - Special application .....  | <b>50-8314</b>   | \$1.85   |
| 6. Front Rod Race 24352-52A. ....  | <b>34-4505</b>   | \$21.97  |
| 7. Rear Rod Race 24341-52A .....   | <b>34-4506</b>   | \$17.41  |
| 8. Wrist Pin Bushing<br>.767" x .895" x .950" 24337-36<br>(for use with Heavy Duty Rods).....  | <b>34-4507</b>   | \$6.85   |
| .767" x .895" x 1.077" 24334-36<br>(for use with Supreme Rods).....  | <b>34-4007</b>   | \$5.25   |
| 9. Race and Bushing Set (includes #6, 7, 8)<br>(for use with Heavy Duty Rods).....   | <b>34-4540</b>   | \$62.90  |
| 10. Alloy Bearing Cage Set.....  | <b>34-4520</b>   | \$30.37  |
| 11. Bearing Set<br>Standard 24354-87A .....  | <b>34-4521</b>   | \$56.83  |
| 12. Crankpin (includes #13 & 14) Late 1981-1999 Sportster<br>Standard 23960-80A .....  | <b>34-2602</b>   | \$128.97 |
| .001" OS 23948-87 .....  | <b>34-2603</b>   | \$128.97 |
| .002" OS 23949-87 .....  | <b>34-2605</b>   | \$128.97 |
| 13. Crankpin Key late 1981-1999 Sportster / 1994-1999 Buell 11218<br>each .....  | <b>50-8222-S</b> | \$1.52   |
| 5 pack .....   | <b>50-1009</b>   | \$7.45   |
| 14. Crankpin Nut .....   | <b>34-2504</b>   | \$8.64   |
| 15. Connecting Rod Assembly- 1986-1999 Sportster / 1994-1999 Buell<br>(includes #9, 10, 11, 12, 13, 14)<br>Heavy Duty/6.926" rod length- for stock stroke engines<br>24275-86A ..... | <b>34-7800</b>   | \$580.00 |

**ANY JOB IS EASY WITH THE RIGHT TOOLS**  
**COMPLETE S&S FLYWHEEL REBALANCING KIT PAGE 492**



## NOTES

S&S® connecting rods, with their beefier than stock construction, are slightly heavier than stock connecting rods. Therefore, rebalancing the flywheels is recommended when S&S connecting rods are used in stock replacement applications. We realize that rebalancing is an inconvenience, but we did not want to sacrifice rod strength for convenience's sake. In addition, given the variations in stock and aftermarket components available to engine builders, flywheel rebalancing is a desirable step in any major engine overhaul. In some cases, stock flywheels will need to be relieved to clear the rods.

All S&S mainshafts for Harley-Davidson® Sportster® models are designed for use in flywheels with tapered mainshaft holes. 1986-later stock flywheels have mainshafts which are manufactured as an integral part of the flywheel.

S&S pinion shafts for 1986-'03 Sportster models are the splined 1986-'87 style. Pinion and oil pump drive gears in 1988-'03 models must be replaced with early style gears.

All reference to H-D® part numbers is for identification purposes only. We in no way are implying that any of S&S Cycle's products are original equipment parts or that they are equivalent to the corresponding H-D® part number shown.

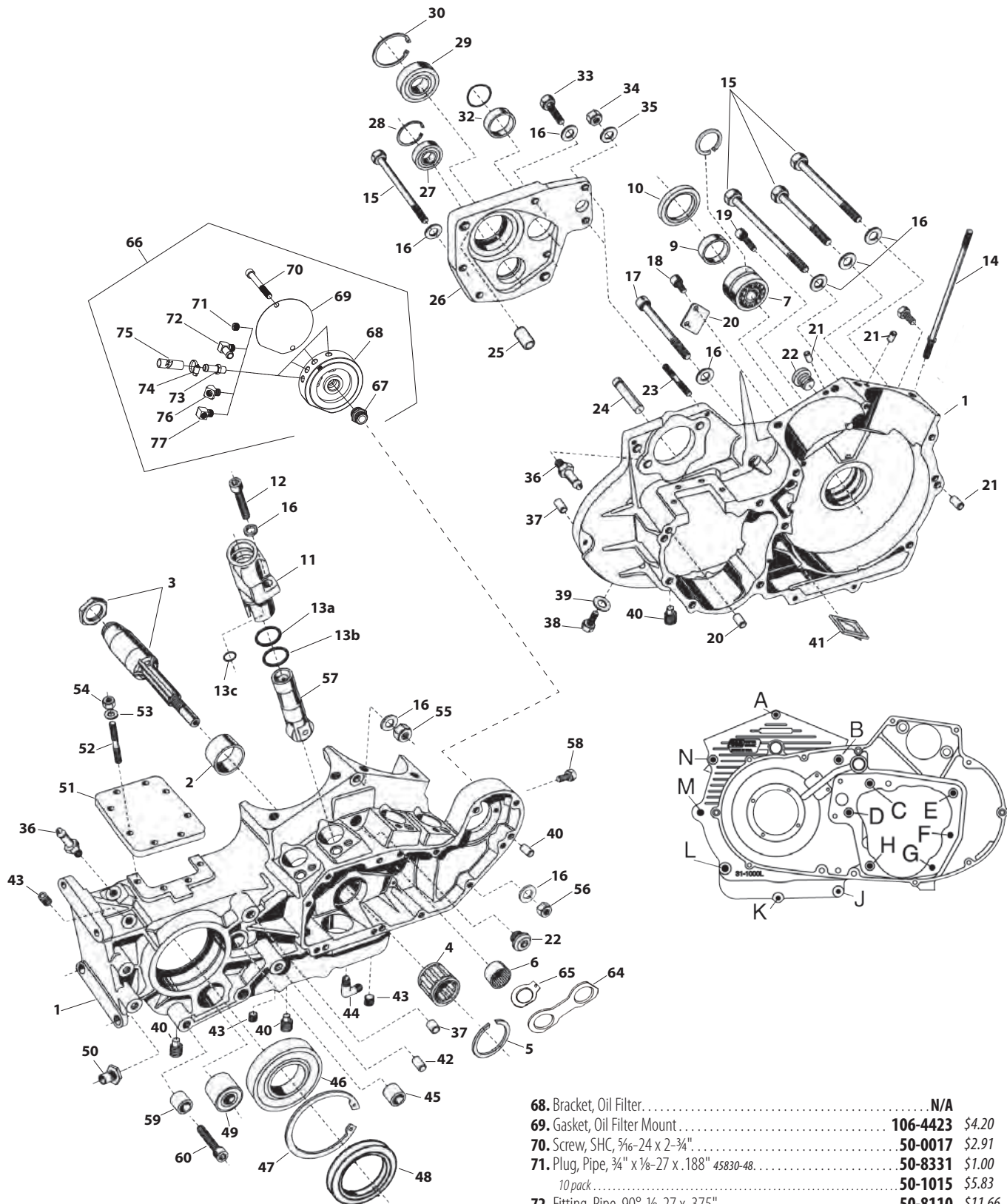
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# CRANKCASE REPLACEMENT PARTS

## FOR SB100, 1986-'03 SPORTSTER® & 1994-'02 BUELL® MODELS

1. Crankcase assembly, half	N/A	
2. Race, right main bearing - Standard 1991-'03	<b>31-4050</b>	\$55.37
3. Pinion shaft assembly - Standard		
1986-'03 xl/1994-'02 Buell	<b>33-2325</b>	\$246.80
1986-up S&S SA only	<b>33-2329</b>	\$253.34
4. Right main bearing assembly 1986-'03		
Blue 24647-87	<b>31-4055</b>	\$25.75
Red 24650-87	<b>31-4056</b>	\$25.75
White 24659-87	<b>31-4057</b>	\$25.75
Green 24660-87	<b>31-4058</b>	\$25.75
5. Ring, main bearing retainer 1986-'03 11177A	<b>50-8057</b>	\$1.22
5 pack	<b>50-1004</b>	\$8.74
6. Cam needle bearing assembly - 1986-'03 9057	<b>31-4061</b>	\$18.21
7. Left Timken® main bearing assembly, 1991-'03 48302-85, 24729-74	<b>31-4059</b>	\$87.43
8. Spacer, Left Main Bearing - 1974-'03 xl Fits stock diameter shaft.		
.098"	<b>31-4062</b>	\$4.94
.1015" - .1025" 9143	<b>31-4064</b>	\$4.94
.1035" - .1045"	<b>31-4065</b>	\$6.79
.1055" - .1065" 9145	<b>31-4066</b>	\$4.94
.1075" - .1085" 9146	<b>31-4067</b>	\$5.95
.110" 9147	<b>31-4068</b>	\$8.74
.114"	<b>31-4070</b>	\$7.46
9. Seal spacer, 1991-'03 xl	<b>31-4034</b>	\$42.02
10. Seal, sprocket shaft oil, 1991-'03 xl 35151-74A	<b>31-4060</b>	\$13.11
11. Tappet guide assembly (See page 315)		
12. Screw, SHC - 5/16"-18 x 1" 3201WA, 2708	<b>50-0101</b>	\$0.57
13. O-ring		
13a. 1" I.D. x 1 3/4" O.D. x 3/32" CS (upper) 11167	<b>50-8004</b>	\$1.94
13b. 1" I.D. x 1 1/8" O.D. x 1/16" CS (lower) 11168A	<b>50-8005</b>	\$1.25
13c. 3/8" I.D. x 1 1/2" O.D. x 1/16" CS (oil hole) 11110	<b>50-8006</b>	\$1.05
10 pack	<b>50-8077</b>	\$6.79
14. Cylinder stud 1991-'03 style 16832-86C	<b>31-2331-S</b>	\$5.46
8 pack	<b>31-2331</b>	\$42.58
15. Bolt, case HH - See "Bolt Position Diagram"		
(Position A)		
S&S XL 1/4"-28 x 5 1/2" (each)	<b>50-0090</b>	\$1.98
S&S SA XL 1/4"-28 x 6" (each)	<b>50-0020</b>	\$6.06
(Position E, F, G, H)		
S&S XL HHC 5/16"-18 x 4"	<b>50-0102</b>	\$1.63
(Position J, K)		
S&S XL 1/4"-20 x 3 3/4"	<b>50-0022</b>	\$0.52
(Position L, M)		
S&S XL 3/8"-24 x 5 1/2" (5 pack)	<b>50-0170</b>	\$4.09
(Position N)		
5/16"-18 x 3 1/2" 3427	<b>50-0117</b>	\$1.09
16. Washer, flat - See "Bolt Position Diagram"		
(Position A, J, K)		
1/4" x .474" x .050" (each)	<b>50-7020</b>	\$1.03
(Position B, C, D, N) & Tappet guide		
5/16" x .548" x 1/16" (each)	<b>50-7025</b>	\$1.36
(Position E, F, G, H)		
5/16" x 1/16" x 1/8"	<b>50-7033</b>	\$0.31
(Position L, M)		
3/8" x 7/8" x .146" (each)	<b>50-7053</b>	\$3.02
17. Screw, SHC - 5/16"-18 x 3"		
See "Bolt Location Diagram"		
(Positions B, C, D, H)	<b>50-0021</b>	\$1.63
18. Screw, SHC - 10-24 x 3/8" (Stator wires cover) 4091	<b>50-0023</b>	\$1.69
19. 10-24 x 1" (Stator) 2720 (each)	<b>50-0044</b>	\$1.08
20. Cover, stator wires 29950-91	<b>31-2050</b>	\$3.64
21. Dowel pin - .250" diameter x 1/2" 358, 366	<b>50-8022</b>	\$2.49
2 pack	<b>50-8022-2</b>	\$4.46
5 pack	<b>50-8105</b>	\$5.25
22. Plug, timing hole - 1991-'03 720	<b>31-2005</b>	\$4.33
23. Stud - 1/4"-20, 1/4"-28 x 1 1/4" 1991-up (shifter shaft)	<b>50-8080</b>	\$2.46
24. Spring pin - 1991-'03 (Shifter spring)	N/A	
25. Dowel pin - 1991-'03 (transmission door)		
1/8" diameter x 1/2"	<b>50-8020</b>	\$3.47
.390" I.D. x .558" O.D. x 1/2" 16574-99A, 16573-83, 16573-83A	<b>50-8023</b>	\$1.68
10 pack	<b>50-8109</b>	\$16.26
26. Transmission access door assembly	<b>56-3025</b>	\$235.94
(Includes 1 ea. transmission access door, 50-8007, 56-3030.)		
27. Bearing, transmission countershaft (LH) 1991-'03 8992A, 8998	<b>56-3026</b>	\$26.23
28. Ring, transmission countershaft bearing retainer, 1991-'03		
35021-89	<b>50-8053</b>	\$2.55
29. Bearing, transmission mainshaft (LH) 1991-'03		
35030-89, 35030-89A	<b>56-3027</b>	\$61.20
30. Ring, transmission mainshaft bearing retainer, 1991-'03		
35038-84, 35038-89	<b>50-8052</b>	\$3.25
31. O-ring - 32mm x 1.5mm CS, Shifter drum bushing	<b>50-8007</b>	\$1.35
32. Bushing, shifter drum - unfinished - 1991-'03 9187	<b>56-3030</b>	\$8.07
33. Screw, HHC 5/16"-18 x 1 1/4" (10 pack)	<b>50-0110</b>	\$0.47
34. Lock nut, hex 1/4"-28 (each)	<b>50-5010</b>	\$1.08
35. Washer, flat 1/4" x 5/8" x 1/16" 6194, 6245, 6703, 6736, 6228W, 6192		
each	<b>50-7021</b>	\$1.08
36. Fitting, hose - 1/8"-27 pipe male transmission vent	<b>50-8115</b>	\$2.46
37. Dowel pin - .309" I.D. x .430" O.D. x 1/2"		
24754-75, 24754-75A	<b>50-8018</b>	\$4.62
38. Screw, HHC - 1/4"-20 x 1/2", primary oil level 3728	<b>50-0014</b>	\$0.26
39. Washer, flat 1/4" x 5/8" x 1/32" copper, primary oil level 6114	<b>50-7018</b>	\$0.26
40. Plug, drain		
3/8"-18 NPT Manufactured before 5-1-2000	<b>31-2006</b>	\$2.84
1/2"-20 thread - (Includes o-ring.) Manufactured after 5-1-2000	<b>50-8335</b>	\$11.18
41. Reed valve assembly, 1991-'03 (Optional)	<b>31-2051</b>	\$138.43
42. Dowel pin - 5/16" dia. x 1/2"	N/A	
43. Plug, SH pipe, 1/4"-27 45830-48 (each)	<b>50-8331</b>	\$1.00
10 pack	<b>50-1015</b>	\$5.83
44. Fitting, 90° - 1/8"-27 pipe male x 5/16" flared tube	<b>50-8119</b>	\$9.59
45. Bearing, transmission shifter drum (RH) 1991-'03	<b>56-3032</b>	\$13.11
46. Bearing, transmission output shaft 1991-up 8996A	<b>56-1280</b>	\$57.08
47. Ring, transmission output shaft bearing retainer,		
109" x 3.734" tru-arc 11161, 11599	<b>50-8051</b>	\$10.20
48. Seal, Transmission Output Shaft		
2.255" x 3.388" x .250, 1995-'03 xl 12067B	<b>56-3033</b>	\$11.02
49. Bearing, transmission countershaft (RH) 1991-'03	<b>56-3031</b>	\$23.31
50. Nut, press-in, 3/8"-24 - All 1991-'03	<b>31-2048</b>	\$11.79
51. Cover, transmission inspection window 1991-up S&S SA cases only	<b>31-2055</b>	\$143.82
52. Stud - 5/16"-18, 5/16"-24 x 1.370" 1991-up S&S SA cases only	<b>50-8081</b>	\$7.46
53. Washer, flat - 5/16" x 1/16" x 1/16" 6320, 70907-07, 6016, 6702	<b>50-7034</b>	\$0.26
54. Nut, hex - 5/16"-24 7833, 7883	<b>50-5023</b>	\$0.26
55. Nut, hex - 1/4"-28 7683	<b>50-5011</b>	\$0.26
56. Nut, hex - 3/8"-24 7861	<b>50-5037</b>	\$0.26
57. Hydraulic tappet assembly (See page 314)		
58. 3/8"-16 x 1/2" BHCS	N/A	
59. 5/16" x 3/4" .35 Shim	<b>50-7044</b>	\$1.85
60. 1/4"-20 x 2" SHCS 25794-36	<b>50-0013</b>	\$1.25
61. Gasket, gearcover, S&S (N/S)	<b>31-2052</b>	\$3.82
62. 45° hose fitting - 1/8" pipe male/female (Oil pump) (N/S)	<b>50-8112</b>	\$2.16
63. Oil Pump, Assembly, Stock, 1991-up xl (N/S)		
26204-91A, 26488-98	<b>106-5368</b>	\$449.08
64. Washer, Cam, Thrust, Double, .043", 1958-'90 xl, .043"	N/A	
1985-'90 XL, .062" 25551-58	<b>33-5210</b>	\$72.87
65. Washer, Cam, Thrust, For S&S Cam Covers only, .062"	<b>33-5211</b>	\$37.95
66. Bracket Kit, Oil Filter 1986-'90 xl	<b>106-3134</b>	\$158.46
67. Fitting, Straight, 3/4"-16 UNF 2A x 1" 26352-95A	<b>50-8197-S</b>	\$6.46





68. Bracket, Oil Filter.....	N/A
69. Gasket, Oil Filter Mount.....	106-4423 \$4.20
70. Screw, SHC, 5/16-24 x 2-3/4".....	50-0017 \$2.91
71. Plug, Pipe, 3/4" x 1/8-27 x .188" 45830-48.....	50-8331 \$1.00
10 pack.....	50-1015 \$5.83
72. Fitting, Pipe, 90°, 1/8-27 x .375".....	50-8110 \$11.66
73. Fitting, Hose, Straight, 1/8-27 x .500".....	50-8115 \$2.46
74. Clamp, Hose, 5/8" - 7/8".....	50-8002 \$1.19
75. Hose, Oil Line Return, 3/75" x 12".....	N/A
76. Fitting, Pipe, 45°, 1/8-27 x 1/8-27.....	50-8112 \$3.09
77. Fitting, Pipe, 90°, Male/Female, 1/8-27 26338-68A, 26561-81A, 26561-84A, 26338-68.....	
each.....	106-2682 \$5.09
5 pack.....	50-1007 \$24.63

All reference to H-D® part numbers is for identification purposes only. We in no way are implying that any of S&S Cycle's products are original equipment parts or that they are equivalent to the corresponding H-D® part number shown.




















(N/S) = Not Shown

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# SUPER STOCK® CYLINDER HEAD REPLACEMENT PARTS

## SPORTSTER® MODELS 3-5/8" TO 4" BORE

1. Cylinder head (See cylinders on page 342)
2. Valves
  - Intake
    - 2.000" diameter.  **90-2000** \$26.87
    - 2.000" diameter + .085" stem length **90-2004** \$28.95
  - Exhaust
    - 1.605" diameter.  **90-2001** \$60.53
3. Valve seats
  - Intake - 2.000" diameter   **90-2002** \$21.77
  - Exhaust - 1.605" diameter   **90-2003** \$51.57
- 4a. Valve guide - Cast- Intake or Exhaust
  - Standard Diameter .5625/.5620 18112-92   **90-2210** \$10.49
  - + .001" Diameter .5635/.5630 18130-83C  **90-2211** \$43.71
  - + .002" Diameter .5645/.5640 18133-83D, 18133-83A  **90-2212** \$43.71
  - + .003" Diameter .5655/.5650 18131-83C  **90-2213** \$43.71
  - + .030" Diameter .5925/.5920  **90-2219** \$36.43
- 4b. Valve guide - Powder Metal - Intake or Exhaust
  - Standard **900-0553** \$32.06
  - + .001" **900-0554** \$32.06
  - + .002" **900-0555** \$32.06
  - + .003" **900-0556** \$32.06
5. Head mount bolt - 3/8" - 16 x 1 1/4" 4716W
  - each **50-0168** \$1.03
6. Flat washer - 3/8" **50-7051** \$1.15
7. Head bolt assembly - Includes head bolt washer  
(See headbolts on page 324)
8. Head bolt washer
  - .100" (each) **50-7088** \$2.00
  - .250" (each) **50-7091** \$1.63
9. Exhaust port stud 16715-83 (each)  **50-0493** \$2.65
  - 5 pack  **50-1028** \$12.05
10. Lock washer - 5/16" **50-7032** \$0.26
11. Nut, HH - 5/16" - 24 7833, 7883 **50-5023** \$0.26
12. Exhaust pipe gasket 65324-83A, 65324-83B
  - each **106-5029** \$5.03
  - 10 pack **93-1072** \$44.43
13. Thread conversion insert 1/2" - 13 to 5/16" - 18 **50-8151** \$6.16
14. Intake manifold (See manifolds on page 335)
15. Screw, manifold mounting
  - SH - 5/16" - 18 x 1" 3201WA, 2708 **50-0101** \$0.57
  - HH - 5/16" - 18 x 1" 3987 (each)  **50-0108** \$1.05
16. Washer, flat - 5/16" 6320, 70907-07, 6016, 6702 **50-7034** \$0.26
17. Flange, manifold mounting
  - Front 27009-86A (each)  **16-0232** \$20.40
  - 5 pack  **16-0600** \$100.54
  - Rear 27010-86A (each)  **16-0233** \$20.40
  - 5 pack  **16-0601** \$100.54
  - Set (Front & Rear) **106-3516** \$40.00
18. O-ring, manifold (each) **16-0235** \$5.03
  - 10 pack **16-0243** \$45.07
19. Head gasket
  - 3 1/2" Bore
    - .045" thick - (no o-rings required) 16770-84D, 16770-84F
      - each **93-1011-S** \$7.50
      - 10 pack **93-1024** \$85.71
    - .0625" thick - (No o-rings required) 10773-85, 16770-84D, 16770-84F
      - each **93-1313-S** \$8.96
      - 10 pack **93-1051** \$144.26
  - 3 5/8" Bore
    - .045" thick - (no o-rings required) (each) **93-1037-S** \$7.71
    - 10 pack **93-1052** \$71.71
    - .062" thick - (no o-rings required) (each) **93-1016-S** \$14.89
    - 10 pack **93-1053** \$144.68
  - 4" Bore
    - .045" thick (each) **93-1040-S** \$7.71
    - 10 pack **93-1071** \$71.71
20. Alignment dowel 16574-99A, 16573-83, 16573-83A
  - each **50-8023** \$1.68
  - 10 pack **50-8109** \$16.26
- Dowel pin - 1/4" diameter x 1/2" - 4" bore 358, 366
  - each **50-8022** \$2.49
  - 2 pack **50-8022-2** \$4.46
  - 5 pack **50-8105** \$5.25
21. Plug, HH - 14mm (each) **90-4916** \$10.33
  - 2 pack **90-4916-2** \$18.83
22. Washer, compression release- 14mm .507" x .705" x .047"
  - each **50-7094** \$4.29

### GASKET KITS

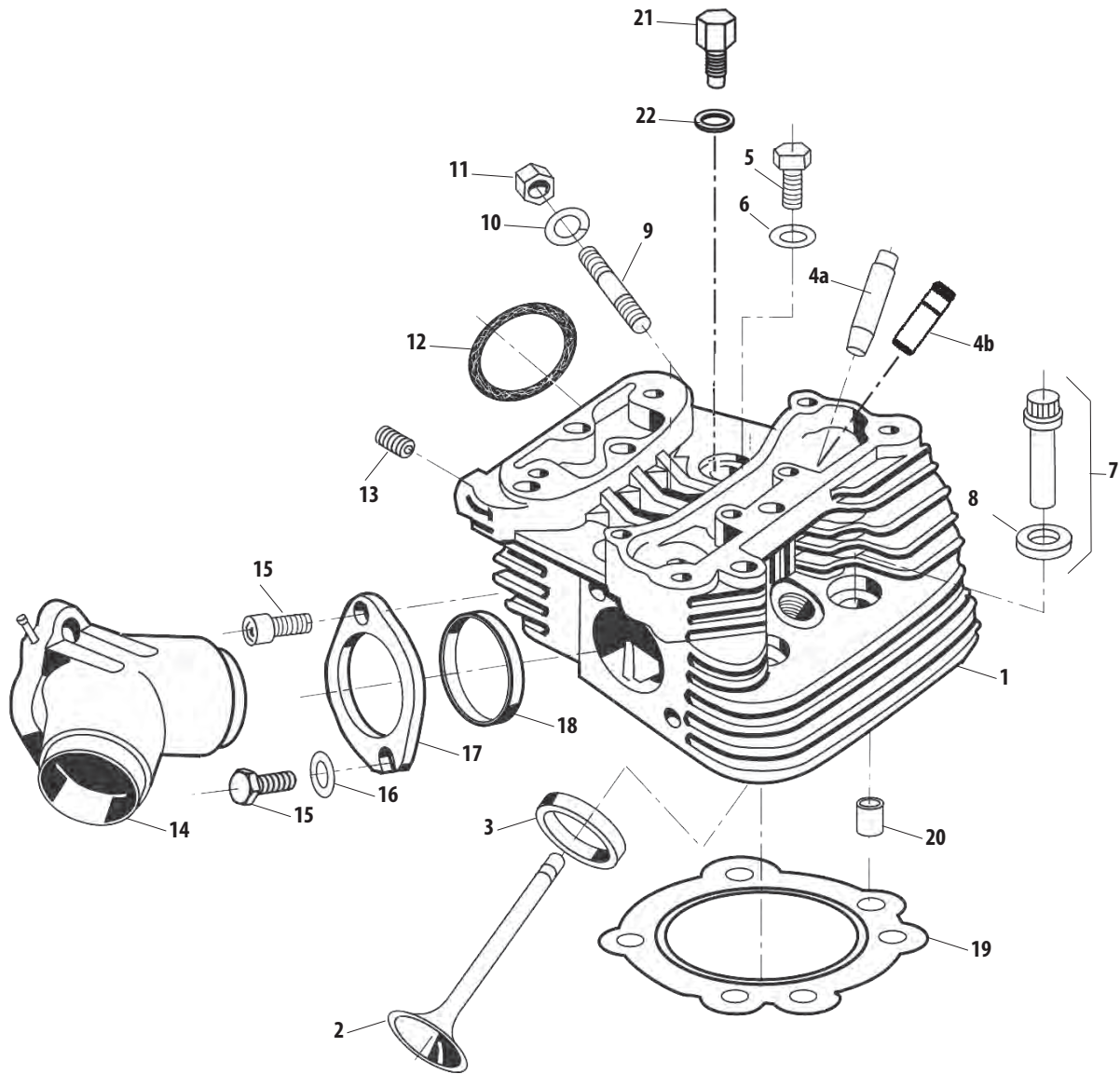
23. Rocker cover gasket kits, 1986-'03 xl
  - S&S Billet rocker cover, Rubber (N/S) **90-4049** \$64.11
  - S&S Cast rocker cover, Rubber (N/S) **90-4091** \$62.77
24. Pushrod cover o-ring kit (N/S)
  - 1986-'90 XL **93-4022** \$6.98
  - Includes 4 each:
    - Bottom 11145A (each) **50-8037** \$1.05
    - Middle 11132A (each) **50-8038** \$1.05
    - Top 11293, 11157, 11101, 11190 (each) **50-8039** \$1.68
25. Flat washer, bottom pushrod tube (N/S) **50-7150** \$0.36
26. Top End Rebuild Kits for SB-Series Engines (N/S)
  - 4" Bore **90-9503** \$66.46
  - 3 5/8" Bore **90-9509** \$69.20

(N/S) = Not Shown


**NOTE**

S&S heads for Harley-Davidson® Sportster® and Buell® models are similar but have different diameter front motor mount holes.

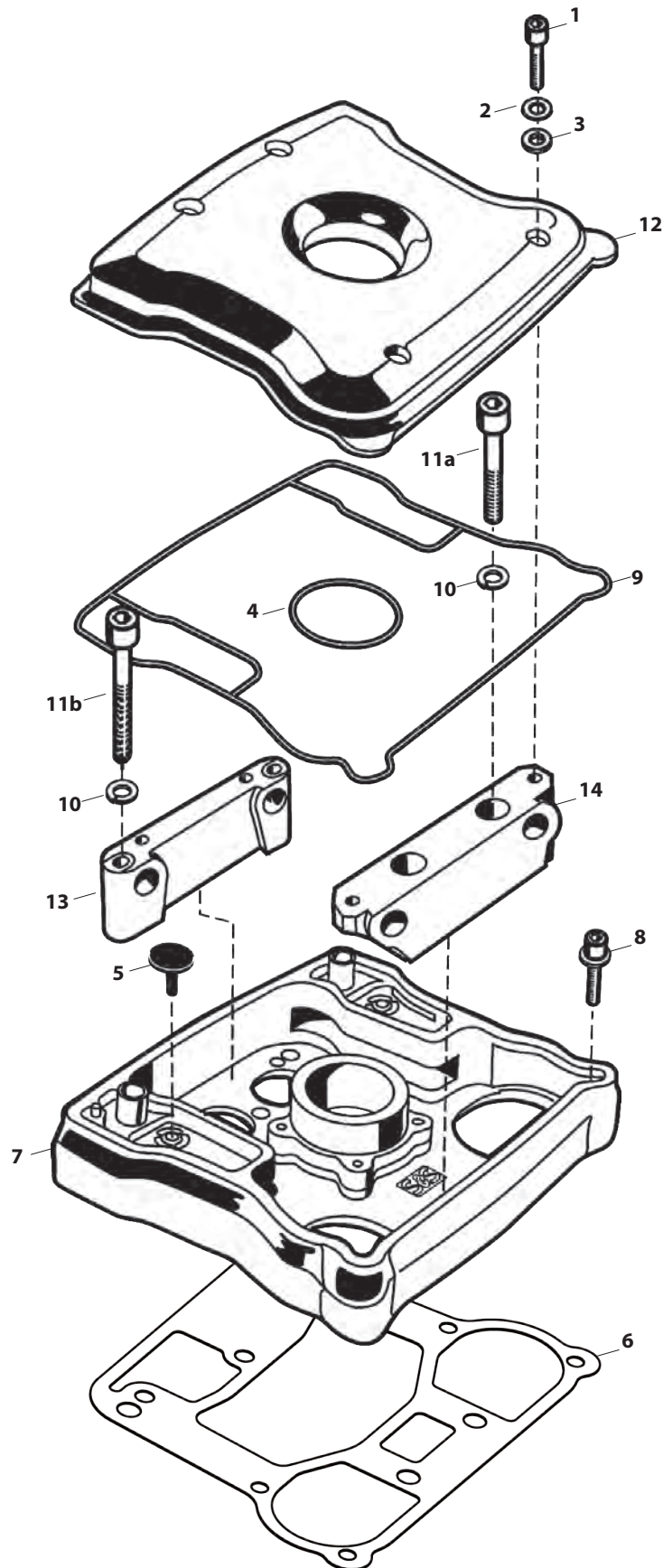
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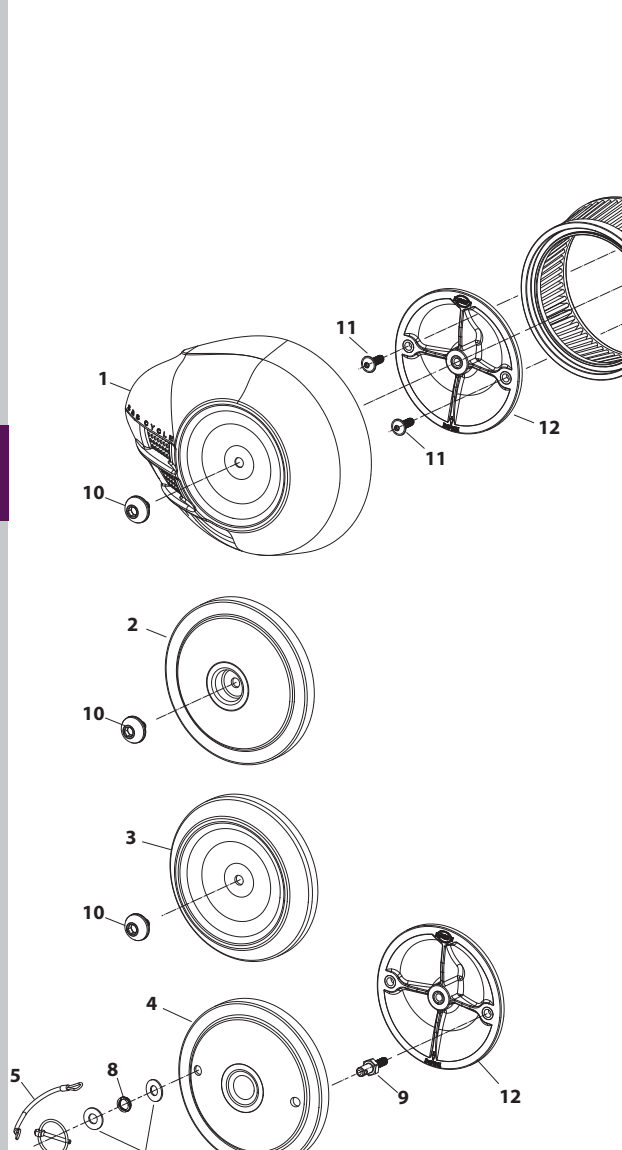
# BILLET ROCKER COVER REPLACEMENT PARTS FOR 1986-'03 HARLEY-DAVIDSON® SPORTSTER® & BUELL® MODELS

1. Screw, SH - 1/4"-20 x 3/4" 4069A (each) .....	50-0067	\$1.03
2. Washer, flat - 1/4" (each) .....	50-7017	\$1.03
12 pack .....	50-7013	\$6.16
3. Washer, flat - 1/4" rubber covered (each) .....	50-7015	\$1.15
8 pack .....	50-7015-8	\$5.55
12 pack .....	50-7015-12	\$9.49
4. O-ring - 1 5/8" I.D. x 1 7/8" O.D. x 1/8" CS Viton® (Included in gasket set. See #16 below.)		
5. Rocker cover umbrella valve 26856-89, 26856-89A 1990-up XL .....	 90-4030	\$1.38
(Included in gasket set. See #16 below.)		
6. Gasket, Bottom, Rocker Cover, 1986-2003		
each .....	900-0538	\$9.18
2 pack .....	900-0592	\$14.95
7. Rocker cover base - billet		
Chrome .....	90-4051	\$310.98
Natural .....	90-4056	\$248.92
8. Screw, SH w/washer - 1/4"-20 x 1" 4741A (each) .....	50-0092-S	\$1.31
4 pack .....	50-0092P	\$3.88
9. Rocker cover o-ring gasket - S&S billet rocker cover (Included in gasket set. See #16 below.)		
10. Washer, flat - 5/16" (each) .....	50-7026	\$1.03
11. Bolt, rocker support - socket head		
11a. 5/16"-18 x 2 1/4" (left support) (each) .....	50-0115-S	\$1.17
11b. 5/16"-18 x 2 1/2" (right support) 876A (each) .....	50-0118	\$1.33
12. Rocker cover top - Billet Chrome .....	90-4054	\$223.24
13. Right rocker shaft support - billet .....	90-4053	\$84.49
14. Left rocker shaft support - billet .....	90-4052	\$84.91
15. Rocker cover gasket set - S&S billet rocker cover (Not shown) .....	90-4049	\$64.11

All reference to H-D® part numbers is for identification purposes only. We in no way are implying that any of S&S Cycle's products are original equipment parts or that they are equivalent to the corresponding H-D® part number shown.



# STEALTH AIR CLEANER REPLACEMENT PARTS



1. Cover, Air Cleaner Airstream		
Chrome.....	<b>170-0118</b>	\$142.80
WBlack.....	<b>170-0122</b>	\$142.80
2. Cover, Air Cleaner, Domed Bobber		
Chrome.....	<b>170-0120</b>	\$96.83
WBlack.....	<b>170-0124</b>	\$96.83
3. Cover, Air Cleaner, Dished Bobber		
Chrome.....	<b>170-0119</b>	\$96.83
WBlack.....	<b>170-0123</b>	\$96.83
4. Cover Air Cleaner, Muscle		
Chrome.....	<b>170-0121</b>	\$137.66
WBlack.....	<b>170-0125</b>	\$132.57
5. Lanyard, 6" Stainless Steel.....	<b>500-0095</b>	\$6.28
6. Lynch Pin.....	<b>500-0083</b>	\$8.74
7. Washer, Fender, Chrome Plated.....	<b>500-0094</b>	\$1.38
8. Spring, Wave Washer, Stainless Steel.....	<b>500-0093</b>	\$4.85
9. Screw, Hex, Hood-pin, ¼-20, UNC.....	<b>500-0113</b>	\$7.14
10. Air Cleaner Cover Screw, SHCB, ⅝"-18 UNC x .500".....	<b>500-0051</b>	\$10.16
11. Screw, SHC, Flanged Button, ¼-20 UNC x .750".....	<b>500-0060</b>	\$2.00
12. Top Plate, Air Filter, Molded, Plastic.....	<b>170-0026</b>	\$10.88
13. Filter, Air, Tapered,		
Standard Pleated, Cotton, Stealth Air Cleaner Kit.....	<b>170-0126</b>	\$40.76
1" Taller Pleated, Cotton, Stealth Air Cleaner Kit.....	<b>170-0127</b>	\$61.16
1" Taller Pleated, Cotton Filter Only.....	<b>170-0154</b>	\$40.80
14. Screw, SHCB, ¼-20 UNC x .825".....	<b>500-0059</b>	\$1.28
15. Backplate		
Stock CV & EFI, Black, Die Cast, 1991-2016 xl.....	<b>170-0048</b>	\$45.83
Super E/G, Black, Die Cast, 1991-2003 xl.....	<b>170-0050</b>	\$45.83
16. Screw, Backplate Vent, SHCB, ½-16 x 1½", Polished Stainless.....	<b>170-0044</b>	\$10.16
17. Washer, Flat, Nitrile Rubber Coated, .380" x .880" x .024"		
each.....	<b>50-7054</b>	\$1.12
10 pack.....	<b>50-7059</b>	\$11.18
18. Gasket, Backplate		
Stock CV Carb & EFI Throttle Body, 1991-2016 xl		
(except Throttle by Wire).....	<b>106-6022</b>	\$1.46
Super E/G.....	<b>106-1724</b>	\$1.57
w/ lanyards for use with Muscle Cover.....	<b>170-0137</b>	\$18.94

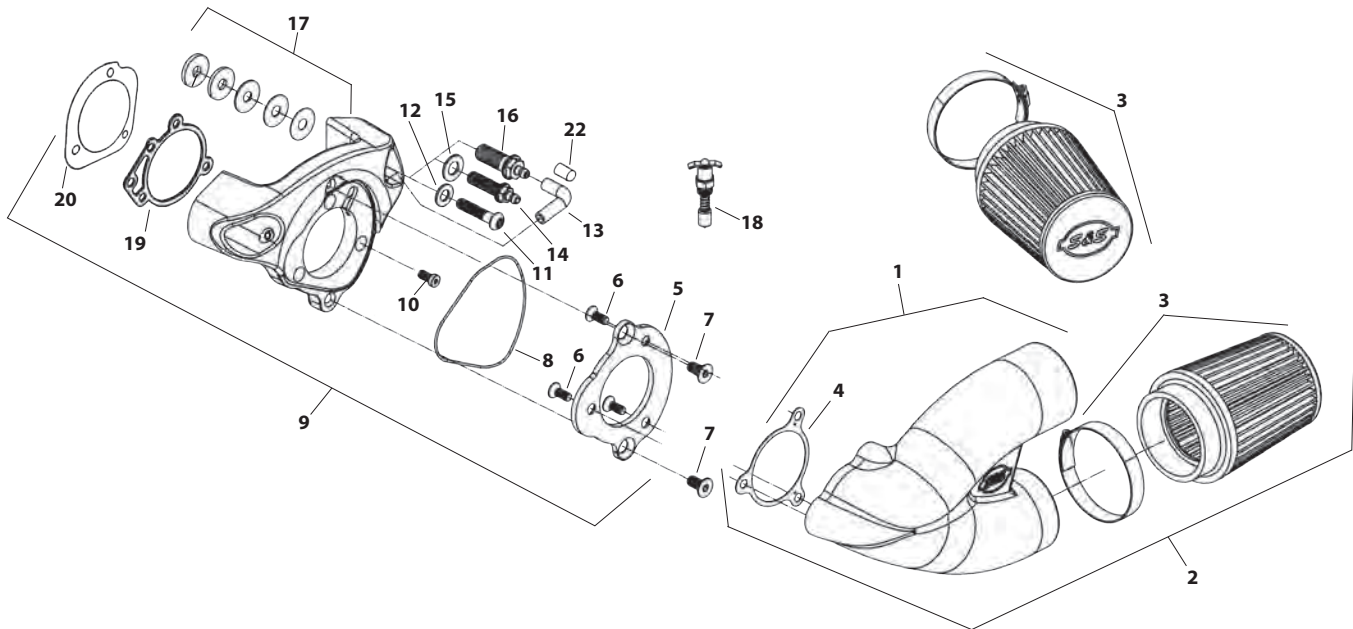


# SINGLE BORE TUNED INDUCTION SYSTEM

## REPLACEMENT PARTS

- |  |                                  |          |
|--|----------------------------------|----------|
| 1. Tuned Intake Kit, 2.19" Single Bore                                 |                                  |          |
| Natural .....  | <b>106-4968</b>                  | \$136.33 |
| Wrinkle Black .....  | <b>106-4969</b>                  | \$150.16 |
| Chrome Plated .....  | <b>106-4970</b>                  | \$167.42 |
| 2. Tuned Intake Assembly, 2.19" Single Bore                            |                                  |          |
| Wrinkle Black .....  | <b>106-4966</b>                  | \$260.94 |
| Chrome Plated .....  | <b>106-4967</b>                  | \$271.38 |
| 3. Air Filter, w/clamp, Stainless Cap — Conical — 2 1/8" I.D. x 4"     |                                  |          |
| Red (each) .....   | <b>17-1020</b>                   | \$54.00  |
| Blue (each) .....  | <b>17-1023</b>                   | \$54.00  |
| 4. Gasket, Intake — Adapter Plate .....                                | <b>17-1022</b>                   | \$1.60   |
| 5. Plate, Adapter, 2.19" Single Bore Tuned Intake                      |                                  |          |
| Chrome Steel .....   | <b>17-1014</b>                   | \$46.63  |
| 6. FHSC 1/4-20 x 3/8" (each) .....                                     | <b>50-0433</b>                   | \$2.46   |
| 7. FHSC 3/16-18 x 3/8" (each) .....                                    | <b>50-0432</b>                   | \$4.25   |
| 8. O-Ring, Adapter Plate Bracket                                       |                                  |          |
| 3 5/8" O.D. x 3 1/2" I.D. 1/16 CS, Viton (each) .....                  | <b>50-0446</b>                   | \$2.36   |
| 9. Bracket Kit, 2.19" Single Bore Tuned Intake, Chrome                 |                                  |          |
| Super E/G, 1986-'03 xl .....   | <b>106-4975</b>                  | \$313.14 |
| Stock CV & EFI, 1991-up xl .....                                       | <b>106-6026</b>                  | \$271.38 |
| 10. Backplate Screw  |                                  |          |
| Screw, SHC, w/Threadlock, 1/4-20 x 1/2" .....                          | <b>106-2084</b>                  | \$1.06   |
| 10 pack .....  | <b>106-2105</b>                  | \$6.83   |
| 11. Screw, 3/16-18 x 1 1/4, BHC, Chrome (each) .....                   | <b>50-0309-S</b>                 | \$4.76   |
| 12. Flat Washer 3/16" x 1/16" 6320, 70907-07, 6016, 6702 .....         | <b>50-7034</b>                   | \$0.26   |
| 13. Hose, Breather, 1/4" I.D., 90° .....                               | <b>19-0178A</b>                  | \$4.78   |
| 14. Screw, Breather Fitting, 3/8-16 x 1 1/4" .....                     | <b>50-0436</b>                   | \$10.55  |
| 15. Washer, Flat, 3/8" x 1 1/16" x 1/16", Chrome .....                 | <b>50-7106-S</b>                 | \$2.56   |
| 16. Screw, Breather Fitting, 1/2-13 x 1.25 .....                       | <b>50-0435</b>                   | \$10.55  |
| 17. Shim Kit   |                                  |          |
| (a) 3/16" I.D. 1986-'90 xl .....                                       | <b>17-0314</b>                   | \$9.28   |
| (b) 1/2" I.D. 1991-up xl .....   | <b>17-0464</b>                   | \$16.15  |
| 18. Enrichment Device, S&S Super E & G carbs .....                     | <b>USA 11-2084</b>               | \$24.04  |
| (Use in place of enrichment device on air cleaner backplate)           |                                  |          |
| 19. Gasket, Backplate — E/G/SBEFI (each) .....                         | <b>106-1724</b>                  | \$1.57   |
| 10 pack .....  | <b>106-2328</b>                  | \$13.87  |
| 20. Gasket, Stock carb/Throttle Body 29062-958 .....                   | <b>106-6022</b>                  | \$1.46   |
| 21. Hardware Kit, 1986-'03 (N/S)                                       |                                  |          |
| Stock CV & EFI .....   | <b>500-0018</b>                  | \$63.85  |
| S&S Super E or G carb. .....   | <b>TÜV 1,2,3,4,5,6 17-5099</b>   | \$105.58 |
| 22. Cap, Canister Purge Fitting .....                                  | <b>TÜV 1,2,3,4,5,6 50-8266-S</b> | \$4.09   |
| 23. Hose, Vent, Breather, Cut To Size, 3/13" x .438" x 24" (N/S) ..... | <b>106-4982</b>                  | \$7.87   |



(N/S) = Not Shown



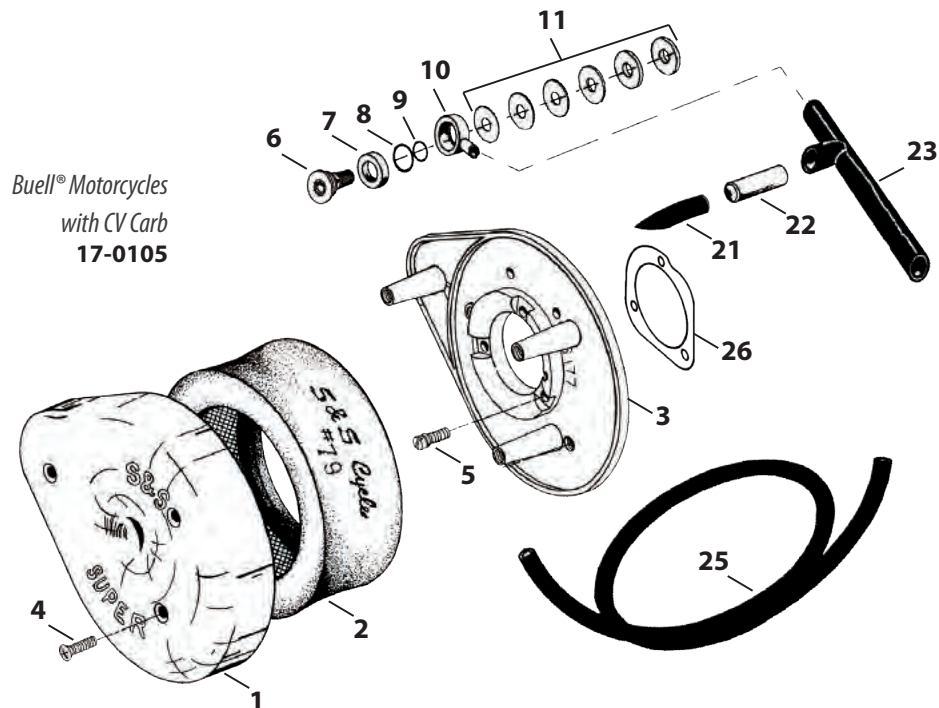
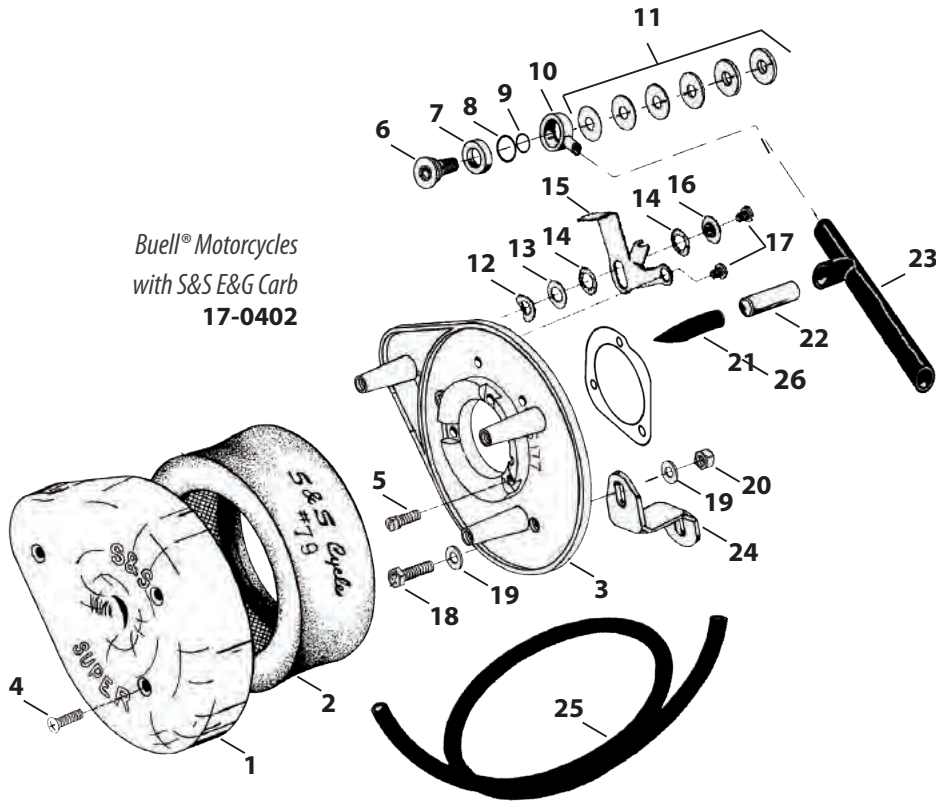
All reference to H-D® part numbers is for identification purposes only. We in no way are implying that any of S&S Cycle's products are original equipment parts or that they are equivalent to the corresponding H-D® part number shown.

# CLASSIC TEARDROP AIR CLEANER REPLACEMENT PARTS




## FOR BUELL® MOTORCYCLES WITH STOCK OR S&S CARB

1. Air cleaner cover		
Chrome.....	<b>17-0078</b>	\$156.31
2. Air cleaner element .....	<b>17-0079</b>	\$17.41
3. Air cleaner backing plate		
Super E & G carburetors .....	<b>17-0000</b>	\$93.95
Stock carburetors.....	<b>17-0003</b>	\$93.95
4. Cover screw		
Chrome 1305 (each) .....	<b>50-0072</b>	\$1.03
3 pack.....	<b>50-1052</b>	\$2.30
10 pack.....	<b>50-0094</b>	\$7.46
Black 902 (each) .....	<b>50-0310-S</b>	\$3.31
3 pack.....	<b>50-0310</b>	\$9.65
5. Air cleaner backplate screw		
For S&S Super E&G		
Zinc Plated (each) .....	<b>106-2084</b>	\$1.06
10 pack.....	<b>106-2105</b>	\$6.83
6. Cap screw, breather & air cleaner mount .....	<b>17-0338</b>	\$7.25
7. Shim, .620" I.D. x .800" O.D. x .185" (each) .....	<b>N/A</b>	-
8. O-ring ½" O.D. x ⅝" I.D. x ¼" CS (each) .....	<b>50-8270</b>	\$1.05
5 pack.....	<b>50-8130</b>	\$2.97
9. O-ring ⅝" O.D. x ½" I.D. x ¼" CS 11110 (each).....	<b>50-8006</b>	\$1.05
10 pack.....	<b>50-8077</b>	\$6.79
10. Breather fitting (each) .....	<b>17-0350</b>	\$3.57
2 pack.....	<b>17-0355</b>	\$6.27
11. Shim kit air cleaner backplate (includes 4 each of .018", .030", .048") .....	<b>17-0464</b>	\$16.15
Replacement Shims		
½" x 1" x .018 (each) .....	<b>50-7085</b>	\$1.46
½" x 1" x .030 (each) .....	<b>50-7086</b>	\$0.57
½" x 1" x .048 (each) .....	<b>50-7087</b>	\$1.56
½" x 1" x .105 (each) .....	<b>50-7089</b>	\$1.57
½" x 1" x .125 (each) .....	<b>50-7090</b>	\$3.10
12. Washer, friction, spring (each).....	<b>50-7035</b>	\$1.03
10 pack.....	<b>50-7058</b>	\$6.00
13. Washer, flat .323" x ⅝" x ⅛" (each) .....	<b>50-7037</b>	\$1.08
10 pack.....	<b>50-7061</b>	\$2.97
14. Washer, flat, nylon .323" x ⅝" x .020" (each) .....	<b>50-7036</b>	\$1.08
10 pack.....	<b>50-7060</b>	\$2.97
15. Lever, fast idle, .....	<b>17-0327</b>	\$7.40
16. Washer, flat w/step, brass (each) .....	<b>50-7007</b>	\$1.15
10 pack.....	<b>50-7010</b>	\$11.45
17. Screw, PH slotted 10-24 x ¼" (each) .....	<b>50-0041</b>	\$1.08
10 pack.....	<b>50-0062</b>	\$3.74
18. Screw, HH, cap, ¼"-28 x ⅞" .....	<b>50-0074</b>	\$0.42
19. Washer, flat, .281" x .625" x .080" (H-D® 6194, 6245, 6703, 6736, 6228W)		
each .....	<b>50-7021</b>	\$1.08
20. Locknut - ¼" -28 (each) .....	<b>50-5010</b>	\$1.08
21. Hose, breather vent. ....	<b>17-0365</b>	\$2.84
22. Fitting, hose, Buell air cleaner .....	<b>17-0336C-S</b>	\$6.00
23. Hose, breather.....	 <b>17-0339</b>	\$6.35
24. Bracket, carb support, air cleaner .....	<b>17-0309</b>	\$5.95
25. Tubing, rubber - ⅜" x ⅝" x 3' .....	 <b>N/A</b>	-
26. Gasket, Backplate, 1991-up xl/bt 29062-95B .....	<b>106-6022</b>	\$1.46

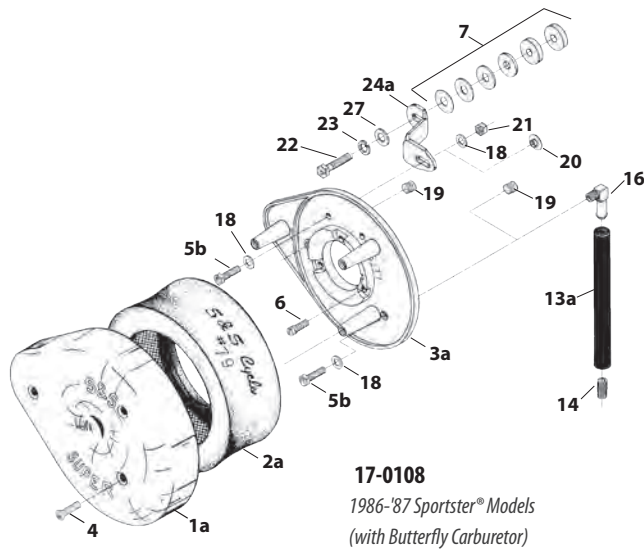
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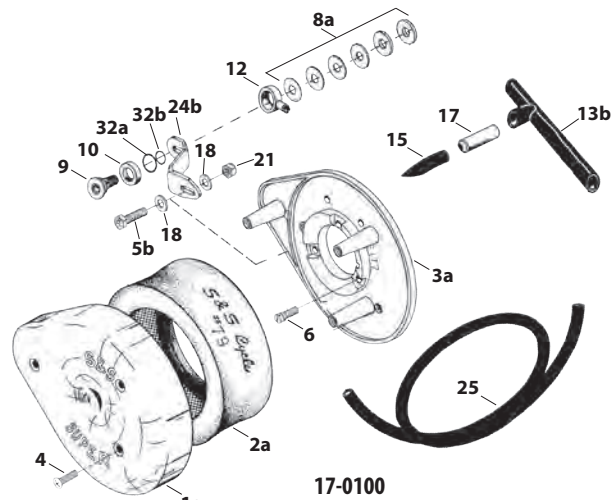
# CLASSIC TEARDROP AIR CLEANER REPLACEMENT PARTS FOR STOCK FUEL SYSTEMS

1. Air cleaner cover
  - 1a. Chrome ..... **17-0078** \$156.31
  - 1b. Chrome ..... **17-0378** \$150.29
  - Black ..... **170-0384A** \$145.00
  - Slasher ..... **17-0004** \$150.29
2. Element
  - 2a. Foam ..... **17-0079** \$17.41
  - 2b. Pleated ..... **106-4722** \$21.86
3. Backplate
  - 3a. XL 1966-'87 ..... **17-0180** \$86.82
  - 3b. Backplate, 1991-2007 XL ..... **106-0950** \$98.58
4. Cover screw
  - Chrome 1305 (each) ..... **50-0072** \$1.03
  - 3 pack ..... **50-1052** \$2.30
  - 10 pack ..... **50-0094** \$7.46
  - Black 902 (each) ..... **50-0310-S** \$3.31
  - 3 pack ..... **50-0310** \$9.65
5. Screw
  - 5a. 1999-03 XL, HHCS 1/4"-28 x 1-1/4" ..... N/A -
  - 5b. All Others, HHCS 1/4"-28 x 7/8" ..... **50-0074** \$0.42
6. Backplate screw, Zinc Plated (each) ..... **106-2084** \$1.06
- 10 pack ..... **106-2105** \$6.83
7. Shim kit, XL 1966-'87 ..... **17-0314** \$9.28  
(Includes 2 each 5/16" x .018", 5/16" x .030", 5/16" x .048", 5/16" x .105" and 4 each 5/16" x .125")
- Replacement shims
  - a. 5/16" x .018" (each) ..... **50-7038** \$1.05
  - b. 5/16" x .030" (each) ..... **50-7039** \$1.05
  - c. 5/16" x .048" (each) ..... **50-7040** \$1.05
  - d. 5/16" x .105" (each) ..... **50-7041** \$1.73
  - e. 5/16" x .125" (each) ..... **50-7042** \$1.68
  - 2 pack ..... **50-7042P** \$3.09
8. Replacement Shims
  - 8a. 1991-up XL, & Buell® 1994-up
    - 1/2" x .018 (each) ..... **50-7085** \$1.46
    - 1/2" x .030" (each) ..... **50-7086** \$0.57
    - 1/2" x .048" (each) ..... **50-7087** \$1.56
    - 1/2" x .105" (each) ..... **50-7089** \$1.57
    - 1/2" x .125" (each) ..... **50-7090** \$3.10
  - 8b. 1999-03 XL
    - 5/8" x .025" (each) ..... **50-7113** \$1.05
    - 10 pack ..... **50-7110** \$6.00
    - 5/8" x .050" (each) ..... **50-7114** \$1.03
    - 10 pack ..... **50-7111** \$7.80
    - 5/8" x .075" (each) ..... **50-7115** \$1.11
    - 10 pack ..... **50-7112** \$10.83
9. Breather Cap Screw ..... **17-0338** \$7.25
10. Shim, head vent - .62" I.D. x .80" O.D. x .175" (each) ..... N/A -
11. Breather screw seal XL 1991-'03 Washer, .520 (each) ..... **50-7055** \$1.12
- 10 pack ..... **50-7057** \$11.18
12. Breather fitting (each) ..... **17-0350** \$3.57
- 2 pack ..... **17-0355** \$6.27
13. Crankcase breather vent hose
  - a. XL 1986-'90 .....  **17-0113** \$1.73
  - b. XL 1991-'93 .....  **17-0339** \$6.35
14. Vent hose connector, XL 1986-'90 ..... **50-8111** \$0.68
15. Vent hose, with angle cut ..... **17-0365** \$2.84
16. 90° Elbow fitting (each) ..... **50-8110** \$11.66
17. Hose fitting ..... **17-0336C-S** \$6.00
18. Flatwasher, 1/4" 6194, 6245, 6703, 6736, 6228W, 6192 (each) ..... **50-7021** \$1.08
19. Backplate plug, 1/8" -27 NPT 45830-48 (each) ..... **50-8331** \$1.00
- 10 pack ..... **50-1015** \$5.83
20. Plug, press-in clear plastic ..... **50-8313** \$0.26
21. Support bracket locknut - 1/4"-28 x 7/8" (each) ..... **50-5010** \$1.08
22. Support bracket screw, 5/16"-18 x 1 1/4" ..... **50-0110** \$0.47
23. Lockwasher, 5/16" ..... **50-7032** \$0.26
24. Support Bracket
  - 24a. Air Cleaner to head 1986-90 XL ..... **17-0311** \$28.27
  - 24b. Air Cleaner to head 1991-03 XL ..... **17-0308** \$6.05
25. Rubber tubing - 1/4" x 5/8" x 3' 63500-68 .....  N/A -
26. Wire tie (N/S) ..... **50-8003** \$0.10
27. Washer, flat - 3/8" x 7/8" x .146" (each) ..... **50-7053** \$3.02
28. Shim - 1/4" x 3/4" x .200" ..... **50-7024** \$1.95
29. Screw Vent Fitting
  - 29a. XL 1993-99 ..... **17-0347** \$10.20
  - 29b. XL 1999-up ..... **17-0345** \$11.66
30. Screw air cleaner backplate ..... **17-0346** \$4.04
31. Spring clamps ..... **50-8001** \$0.48
32. O-ring
  - 32a. (-014) .500"ID x .625" OD (each) ..... **50-8270** \$1.05
  - 5 pack ..... **50-8130** \$2.97
  - 32b. (-012) .375"ID x .500" OD 11110 (each) ..... **50-8006** \$1.05
  - 10 pack ..... **50-8077** \$6.79
33. Gasket, backplate (each) ..... **106-1724** \$1.57
- 10 pack ..... **106-2328** \$13.87
34. Adaptor assembly, 1991-up XL ..... **106-1982** \$57.08
35. Hose, vent, breather, formed, .250" x .375" x 1.330", 1991-2007 XL
  - each ..... **106-0161A** \$5.06
36. Breather screw, 1991 XL ..... **106-0845** \$21.38
37. Washer, flat 5/16" x 1 1/8" x 1/8" ..... **50-7033** \$0.31
38. Nut, lock, HH, 5/16"-18 ..... **50-5021** \$0.26
39. Bracket, support, air cleaner to head, xl, 1991-up
  - Front ..... **17-0305** \$11.66
  - Rear ..... **106-1285** \$11.60

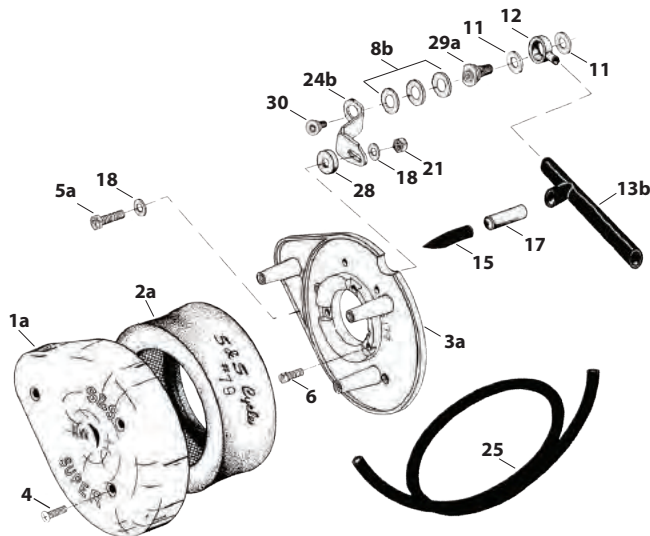
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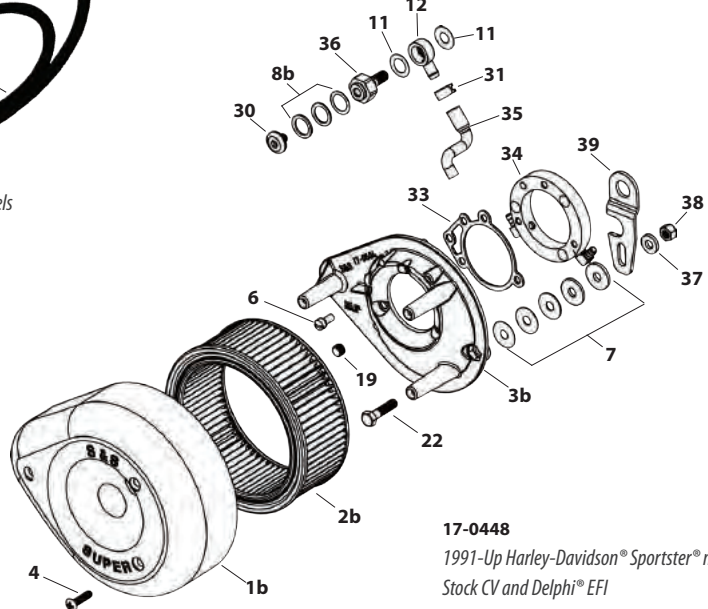
**17-0108**  
1986-'87 Sportster® Models  
(with Butterfly Carburetor)



**17-0100**  
1991-up Harley-davidson® sportster® Models  
(with CV carburetor) (Discontinued)



**17-0117**  
1991-'03 Harley-Davidson® Sportster® Models  
(Discontinued)



**17-0448**  
1991-Up Harley-Davidson® Sportster® models  
Stock CV and Delphi® EFI



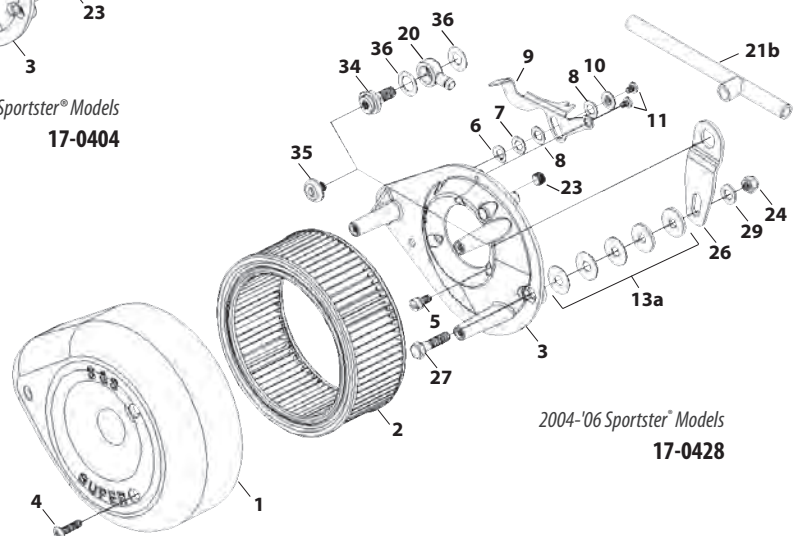
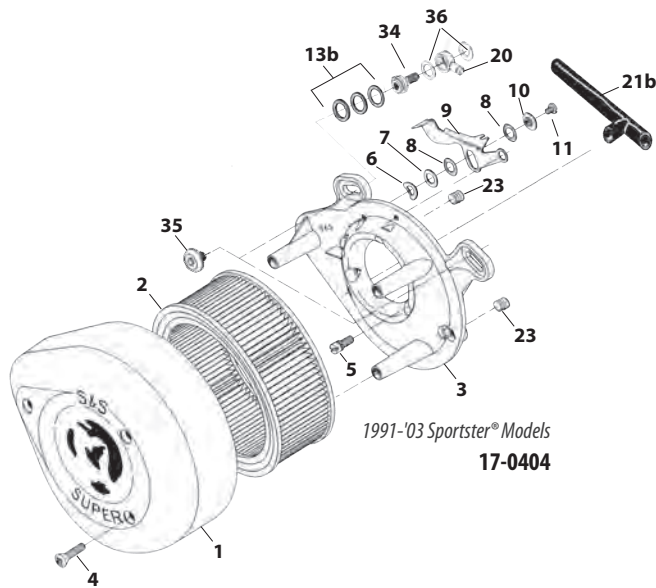
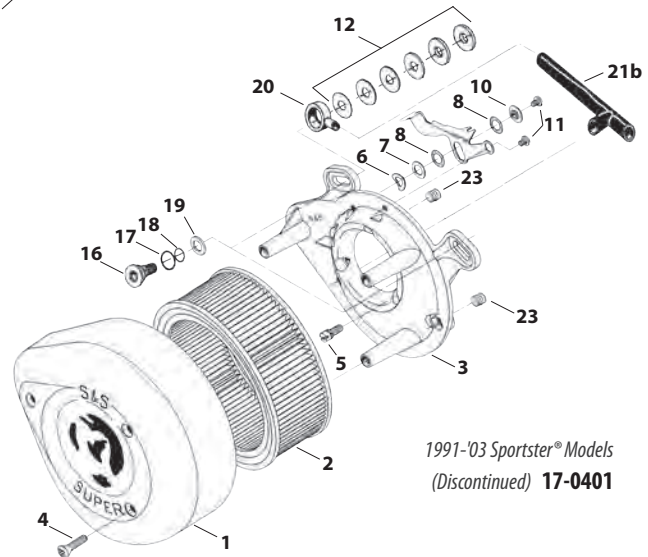
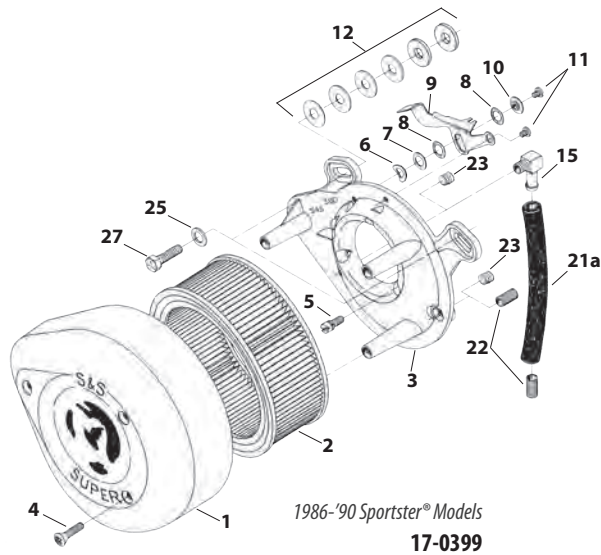
# SUPER E AND G AIR CLEANERS REPLACEMENT PARTS

## FOR 1986-UP HARLEY-DAVIDSON® SPORTSTER® MODELS

1. Air cleaner cover			
Chrome	17-0378	\$150.29	
Black	170-0384A	\$145.00	
Slasher	17-0004	\$150.29	
2. Element, pleated	106-4722	\$21.86	
Element, pleated carbon	TUV <sub>1,2,3,7</sub> 17-0375	\$50.30	
3. Backplate			
XL 1957-'85	TUV <sub>3</sub> 17-0330	\$102.52	
XL 1991-'03	USA <sub>1,2</sub> TUV <sub>4,5</sub> 17-0336	\$98.58	
XL 1986-'90 <i>Manufactured prior to 1-1-03</i>	17-0380	\$98.58	
XL 2004-'06	17-0361	\$76.53	
4. Cover screw			
Chrome 1305 (each)	50-0072	\$1.03	
3 pack	50-1052	\$2.30	
10 pack	50-0094	\$7.46	
Black 902 (each)	50-0310-S	\$3.31	
3 pack	50-0310	\$9.65	
5. Backplate screw, Zinc Plated (each)	106-2084	\$1.06	
10 pack	106-2105	\$6.83	
6. Fast idle friction washer (each)	50-7037	\$1.08	
10 pack	50-7061	\$2.97	
8. Fast idle nylon washer (each)	50-7036	\$1.08	
10 pack	50-7060	\$2.97	
9. Fast idle lever	USA <sub>1,2,3</sub> TUV <sub>1,3,4,5,6,7</sub> 17-0329	\$8.07	
10. Fast idle brass washer (each)	50-7007	\$1.15	
10 pack	50-7010	\$11.45	
11. Fast idle lever screw (one required)	50-0041	\$1.08	
10 pack	50-0062	\$3.74	
12. Shim kit			
XL 1986-'90	17-0314	\$9.28	
<i>(Includes two each 5/16" x .018", .030", .048", .105", and four each .125")</i>			
XL 1991-2016	17-0464	\$16.15	
<i>(Includes two each 1/2" x .018", .030", .048", .105", and four each .125")</i>			
13. Shims,			
a. XL 1986-'90			
5/16" x .018" (each)	50-7038	\$1.05	
5/16" x .030" (each)	50-7039	\$1.05	
5/16" x .048" (each)	50-7040	\$1.05	
5/16" x .105" (each)	50-7041	\$1.73	
5/16" x .125" <i>(Use on BT 1936-'84 and XL 1957-'85 when insulator block is installed.)</i>	50-7042	\$1.68	
each			
2 pack	50-7042P	\$3.09	
b. XL 1991-2016			
5/8" x .025" (each)	50-7113	\$1.05	
10 pack	50-7110	\$6.00	
5/8" x .050" (each)	50-7114	\$1.03	
10 pack	50-7111	\$7.80	
5/8" x .075" (each)	50-7115	\$1.11	
10 pack	50-7112	\$10.83	
Shim, .515" x 1" x .125" (each)	50-7090	\$3.10	
14. Backplate mounting bolt — XL 1957-'85			
5/16"-18 x 1" 3987 (each)	USA 50-0108	\$1.05	
5/16"-24 x 3/4" <i>(Discontinued)</i>	N/A		
15. Elbow fitting (each)	50-8110	\$11.66	
16. Breather screw			
Standard length	17-0338	\$7.25	
17. Breather screw o-ring — 5/8" O.D. (each) 11140, 11273	50-8270	\$1.05	
5 pack	50-8130	\$2.97	
18. Breather screw o-ring — 1/2" O.D. 11110 each	50-8006	\$1.05	
10 pack	50-8077	\$6.79	
19. Breather screw washer	50-7119	\$0.36	
20. Breather fitting (each)	17-0350	\$3.57	
2 pack	17-0355	\$6.27	
21. Crankcase breather hose			
a. XL 1978-'90	TUV <sub>3</sub> 17-0113	\$1.73	
b. XL 1991-'06	USA <sub>1,2</sub> 17-0339	\$6.35	
22. Vent hose connector	50-8111	\$0.68	
23. Backplate plug 1/8"-27 45830-48 (each)	50-8331	\$1.00	
10 pack	50-1015	\$5.83	
24. Locknut — 5/16"-18 <i>(Use with support bracket - see #26)</i>	50-5021	\$0.26	
25. Flatwasher — 5/16" x 1/16" 6320, 70907-07, 6016, 6702	50-7034	\$0.26	
26. Support bracket			
XL 1957-'85	17-0393	\$10.93	
XL 2004-2016	17-0305	\$11.66	
27. Mounting bracket bolt — XL 1957-'90 and 2004-'06	50-0110	\$0.47	
28. Lockwasher — 5/8"	50-7032	\$0.26	
29. Flatwasher — 5/16" x 1/8"	50-7033	\$0.31	
30. Wire tie (N/S)	50-8003	\$0.10	
31. Hose clamp (N/S)	50-8002	\$1.19	
32. Air cleaner assembly <i>(Includes: Chrome cover, backplate, filter element, and hardware kit)</i>			
XL 1957-'85	17-0400	\$260.52	
XL 1986-'90	17-0399	\$250.50	
XL 1991-'03	17-0404	\$250.50	
33. Mounting hardware package (N/S) <i>Includes all parts needed to install air cleaners:</i>			
XL 1957-'85	17-0441	\$18.01	
XL 1986-'90	17-0458	\$45.94	
XL 1991-'03	17-0439	\$58.95	
34. Screw vent fitting			
a. BT 1993-'99	17-0347	\$10.20	
b. BT 1999-up	17-0345	\$11.66	
35. Screw, air cleaner to head	17-0346	\$4.04	
36. Washer, silicone coated steel, XL 1991-'06, .520" (each)	50-7055	\$1.12	
10 pack	50-7057	\$11.18	
37. Spring clamps (N/S)	50-8001	\$0.48	
38. Breather conversion kit, XL 1 7/8" carbs (N/S)	17-0487	\$40.87	

Convert early S&S air cleaners for 1991-'03 XL with o-ring breather fittings to new style breather hardware. XL kits include special insulator block, and manifold screws.

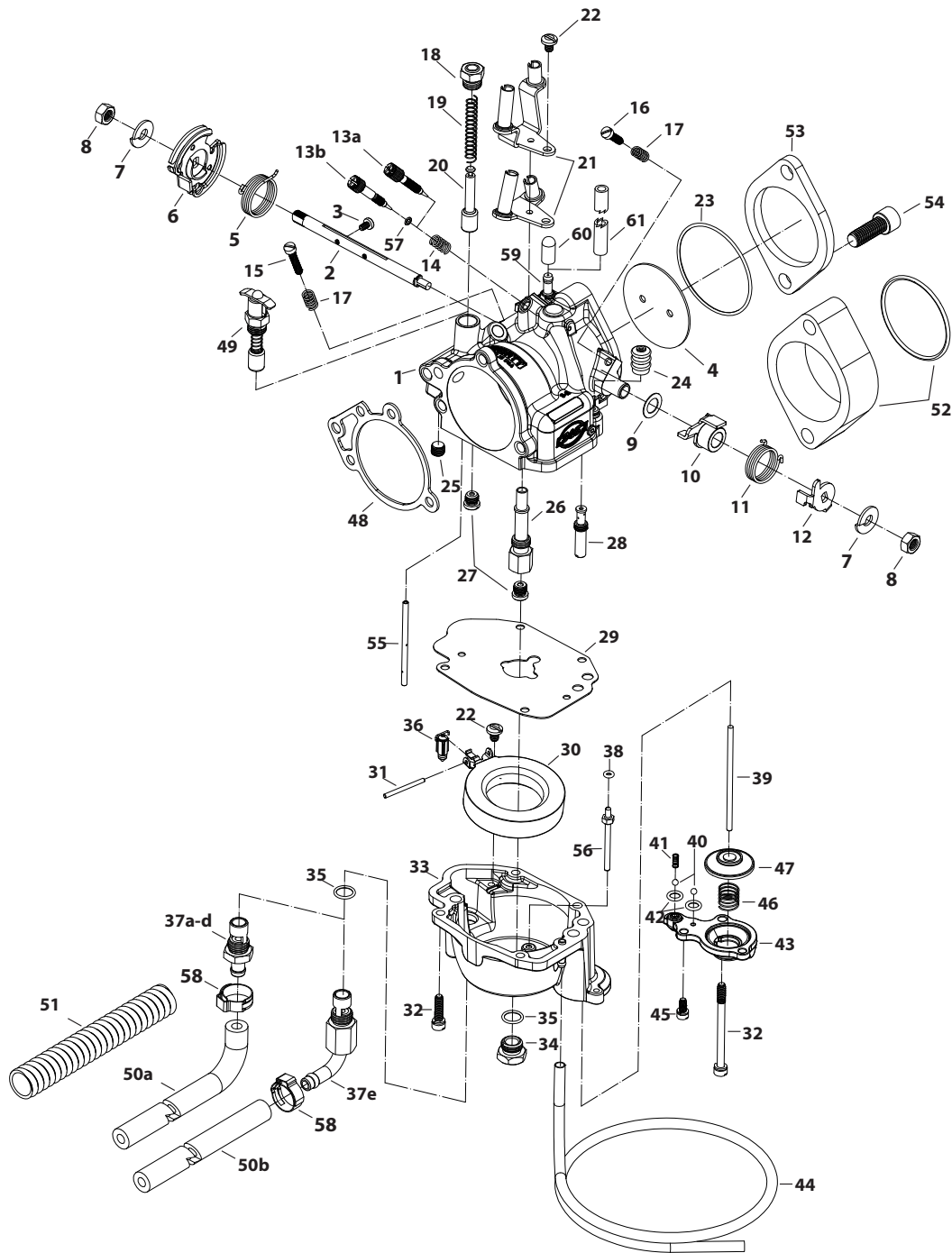
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# SUPER E & G CARBURETOR REPLACEMENT PARTS

1. Carb body assembly			
1 7/8" Super E	USA 1,2,3 TÜV 1,2,3,4,5,6	11-2381	\$239.02
2 1/4" Super G		11-2391	\$239.02
2. Throttle shaft			
1 7/8" Super E — Includes two plate screws		11-2383	\$22.08
2 1/4" Super G — Includes two plate screws		11-2483	\$20.94
3. Throttle plate screw 11-2045- (two required) (each)		50-0055-S	\$1.08
10 pack		50-0064	\$8.41
4. Throttle plate			
1 7/8" Super E		11-2055	\$10.45
2 1/4" Super G		11-2355	\$15.11
5. Throttle return spring (each)		11-2382	\$1.41
5 pack	USA 1,2,3 TÜV 1,2,3,4,5,6	11-3502	\$6.35
6. Throttle spool	USA 1,2,3 TÜV 1,2,3,4,5,6	11-2385	\$16.83
7. Throttle shaft lock washer (two required)		50-7031	\$1.06
8. Throttle shaft nut (two required) (each)		11-2350	\$1.41
5 pack		11-2363	\$6.35
9. Throttle shaft nylon washer (each)		50-7050	\$1.06
10 pack		50-7072	\$6.19
10. Pump actuator lever		11-2376	\$6.98
11. Actuator spring (each)		11-2375-S	\$1.41
5 pack	USA 1,2,3 TÜV 1,2,3,4,5,6	11-3501	\$6.35
12. Pump actuator arm		11-2377	\$2.89
13. Idle mixture screw			
a. Idle mixture screw, brass (each)		11-2354	\$8.77
5 pack		11-2378	\$39.81
b. Idle mixture screw only			
each		110-0003	\$10.45
5 pack		110-0069	\$52.40
Idle mixture screw w/ 500-0036 o-ring			
each		110-0068	\$11.50
5 pack		110-0069	\$52.40
14. Idle mixture screw spring (each)	USA 1,2,3 TÜV 1,2,3,4,5,6	11-2052	\$1.05
10 Pack		11-2060	\$6.76
15. Idle speed screw (each)		50-0038	\$1.08
10 Pack		50-0150	\$7.29
16. Pump adjustment screw (each)		50-0039	\$1.08
10 Pack		50-0146	\$4.78
17. Idle speed/pump adjuster spring (each)	USA 1,2,3 TÜV 1,2,3,4,5,6	11-2048	\$1.06
10 pack		11-2053	\$6.19
18. Plunger nut (each)		11-2344	\$2.68
5 Pack		11-2372	\$12.23
19. Plunger spring (each)	USA 1,2,3 TÜV 1,2,3,4,5,6	11-2340	\$1.11
10 Pack		11-2359	\$9.81
20. Fast idle plunger		11-2343	\$12.23
21. Cable guide assembly with screw			
Use with butterfly style cables		11-2339P	\$16.76
Use with constant velocity style cables		11-2338P	\$16.03
22. Cable clamp/float pin screw (each)		50-0041	\$1.08
10 Pack		50-0062	\$3.74
23. O-ring			
1 7/8" Super E (each)		50-8016	\$1.05
10 Pack		50-8094	\$9.94
2 1/4" Super G (each)		50-8015	\$1.06
10 pack		50-8093	\$9.31
24. Bellows seal (each)		11-2266	\$3.82
5 Pack		11-2279	\$17.41
25. Bowl vent plug (each)		50-0105	\$1.03
10 pack		50-0151	\$5.83
26. Main discharge tube		11-2085	\$11.02
27. Main jet — See Chart on page 334			
28. Intermediate Jets — See Chart on page 333			
Series #94 fits all Super 1 7/8", 2 1/4", 2 1/2" gas carburetors.			
29. Bowl gasket (each)		11-2386	\$2.78
10 pack		11-2387	\$25.12
30. Float		11-2187	\$20.36
31. Float pin (each)		11-2369	\$1.41
5 Pack		11-2370	\$6.35
32. Bowl screw			
10-24 x 3/4" — Three required (each)		50-0034	\$1.46
10 Pack		50-0063	\$13.62
10-24 x 2 3/8" — One required (each)		50-0040	\$1.05
10 Pack		50-0061	\$8.64
33. Carb bowl (only)	USA 1,2,3 TÜV 1,2,3,4,5,6	11-2388	\$74.43
Carb bowl complete assembly	USA 1,2,3 TÜV 1,2,3,4,5,6	11-2388P	\$163.85
34. Bowl plug (each)		11-2090	\$2.42
5 pack		11-2092	\$11.02
35. Seat o-ring*			
(required with part #11-2465 & #11-2466 only when replaces 360° style fuel inlet.)			
each		50-8009	\$1.25
10 pack		50-8095	\$12.40
36. Needle			
1 7/8" Super E & 2 1/4" Super G	USA 1,2,3 TÜV 1,2,3,4,5,6	11-2195	\$12.23
Racing only		11-2197	\$50.30
37. Seat — Includes O-ring #35			
(Replaces obsolete seats 11-2347 and 11-2348)			
a. 1 7/8" E & 2 1/4" G (Uses part #11-2195 needle)		11-2465	\$12.23
b. Racing only (Uses part #11-2197 needle)		11-2466	\$11.75
c. Racing only — threaded fuel inlet (6AN .157" ID)			
(Uses part #11-2195 needle)		11-2395	\$31.43
d. Racing only — threaded fuel inlet — (6AN .235" ID)			
(Uses part #11-2197 needle)		11-2396	\$29.95
e. Permeation Compliant fuel inlet seat Super E or G.			
(Uses part #11-2195 needle)	USA 1,2,3 TÜV 1,2,3,4,5,6	106-2011	\$23.42
38. Ejector nozzle o-ring (each)		50-8011	\$1.05
10 Pack		50-8096	\$8.64
39. Pump pushrod (each)		11-2373	\$5.07
5 Pack	USA 1,2,3 TÜV 1,2,3,4,5,6	11-2393	\$23.02
40. Ball check — (two required) (each)		50-8090	\$1.06
10 pack		50-8125	\$4.94
41. Ball check spring (each)		11-2374	\$1.91
5 Pack	USA 1,2,3 TÜV 1,2,3,4,5,6	11-2392	\$8.71
42. Pump cap o-ring — (two required) (each)		50-8012	\$1.09
10 Pack		50-8100	\$10.49
43. Pump cap assembly	USA 1,2,3 TÜV 1,2,3,4,5,6	11-2389	\$25.12
44. Overflow hose per 24" 27369-76			
(each)	USA 1,2,3 TÜV 1,2,3,4,5,6	19-0262-S	\$4.95
5 Pack		19-0263	\$24.63
45. Pump cap screw 8-32 — (two required) (each)		50-0042	\$1.03
10 Pack		50-0098	\$4.94
46. Diaphragm spring (each)		11-2275	\$1.05
10 pack	USA 1,2,3 TÜV 1,2,3,4,5,6	11-2278	\$6.97
47. Diaphragm		11-2282	\$14.48
48. Gasket, backplate (each)		106-1724	\$1.57
10 pack		106-2328	\$13.87
49. Enrichment device (Use with air horn only)	USA 1,2,3	11-2084	\$24.04
50. Fuel line With 90° bend* 19"			
a. Fuel line With 90° bend* 19" (Use with part #11-2465 or #11-2466)	USA 1,2,3 TÜV 1,2,3,4,5,6,7	N/A	-
b. Permeation Compliant straight, 311" x .563" x 17.5"			
(Use with part #106-2011, 90° seat)	USA 1,2,3 TÜV 1,2,3,6,7	190-0001	\$6.44
51. Fuel line insulator—12"		19-0172	\$14.57
52. Spacer, Kit, w/ O-ring			
1 7/8" x 1"		16-0057*	\$56.42
2 1/4" x 1"		16-0357*	\$64.42
2 1/4" x 1"		16-0157	\$62.89
* Use with 1" Spacer Block		16-0058	\$96.86
53. Insulator Block, Manifold, Super E w/ O-ring			
1 7/8" x 1/4"		16-0491	\$26.23
1 7/8" x 3/8"		16-0497	\$26.23
2 1/4" x 1/4"		16-0492	\$26.23
2 1/4" x 3/8"		16-0498	\$26.23
2 1/4" x 1/4"		16-0499	\$28.84

All reference to H-D® part numbers is for identification purposes only. We in no way are implying that any of S&S Cycle's products are original equipment parts or that they are equivalent to the corresponding H-D® part number shown.



<b>54. Screw</b>		
1" x 3/8"-16 (each) .....	<b>50-0161</b>	\$1.06
1 1/4" x 3/8"-16 (each) .....	<b>50-0162</b>	\$1.03
10 pack .....	<b>50-0177</b>	\$9.03
1 3/8" x 3/8"-16 (each) .....	<b>50-0163</b>	\$2.10
5 pack .....	<b>50-0178</b>	\$10.21
2" x 3/8"-16 (each) .....	<b>50-0164</b>	\$2.74
5 pack .....	<b>50-0185</b>	\$13.25
2004-'06 Top Carb to Manifold		
1 1/2" x 3/8"-16 .....	<b>50-0354-S</b>	\$0.57
2004-'06 Low Carb to Manifold		
1 1/2" x 3/8"-16 .....	<b>50-0351-S</b>	\$2.95
<b>55. Tube, Fast Idle Pick-Up, Super E/G, 125" x 2.350", Brass .....</b>	<b>0381F</b>	\$4.60
<b>56. Tube, Ejector Nozzle, Super E/G, Flared, Brass. ....</b>	<b>106-6124</b>	\$8.67
<b>57. O-ring, 3mm x 5mm x 1mm (each) .....</b>	<b>500-0036</b>	\$1.05
10 pack .....	<b>500-0148</b>	\$6.66
<b>58. Clamp, 5/8" - 7/8" .....</b>	<b>50-8002</b>	\$1.19

<b>59. Hose, Fitting straight, .040" .....</b>	<b>16-0134</b>	\$2.04
<b>60. VOES Fitting Cap .....</b>	<b>50-8372</b>	\$1.33
<b>61. VOES/Oil Return Hose. ....</b>	<b>19-0395</b>	\$2.40

\*360° banjo style fuel inlet fitting used on early S&S E&G carbs is no longer available. Replace with one of the inlet/seat fittings listed under #37 on this page. We highly recommend inlet/seat #106-2011.

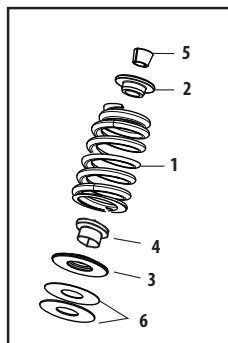
**CARBURETOR REBUILD KITS**  
**SEE PAGE 334**

# VALVE SPRING REPLACEMENT PARTS

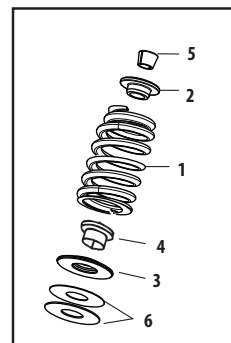
## .650" Lift Sidewinder® Valve Springs (Stock, Super Stock® & CNC Ported Cylinder Heads)

1. Spring, Valve .650"	<b>106-5689</b>	\$34.97
2. Collar, Top, Steel	<b>106-5690</b>	\$6.19
3. Collar, Bottom, Steel	<b>106-5691</b>	\$4.52
4. Seal, Valve		
S&S CNC Ported Heads & Stock w/7mm valve stem	<b>106-5688</b>	\$2.24
S&S Super Stock Heads Stock w/5/16 valve stem		
.420" Cast	<b>900-0338</b>	\$1.46
.562" Powder Metal	<b>900-0737</b>	\$6.56
5. Keeper, valve spring		
S&S CNC Ported Heads & Stock w/7mm valve stem	<b>106-5692</b>	\$2.62
S&S Super Stock Heads & Stock w/5/16 valve stem	<b>90-2094-S</b>	\$2.19
6. Valve Spring Shim		
.015" (each)	<b>500-0013</b>	\$1.18
.030" (each)	<b>500-0014</b>	\$1.18

## .650" Lift Sidewinder® Valve Springs



## .585" Lift Valve Springs



## .585" Lift Valve Springs (Stock, Super Stock® & CNC Ported Cylinder Heads)

1. Spring, Valve .585"	<b>900-0444</b>	\$26.23
2. Collar, Top	<b>900-0550</b>	\$5.83
3. Collar, Bottom		
For Stock Heads w/7mm valve stem (includes seal)	<b>900-0590</b>	\$83.70
For CNC Ported Heads w/7mm valve stem	<b>900-0549</b>	\$8.74
For Super Stock Heads	<b>900-0600</b>	\$6.92
4. Seal, valve guide		
For Stock Heads w/7mm valve stem (includes bottom collar)	<b>900-0590</b>	\$83.70
For CNC Ported Heads w/7mm valve stem	<b>106-5688</b>	\$2.24
For Super Stock Heads & Stock w/5/16 valve stem		
.420" Cast	<b>900-0338</b>	\$1.46
.562" Powdermetal	<b>900-0737</b>	\$6.56
5. Keeper, valve spring		
For Stock and CNC Ported Heads	<b>106-5692</b>	\$2.62
For Super Stock Heads & Stock w/5/16 valve stem	<b>90-2094-S</b>	\$2.19
6. Valve spring shim		
For Stock and CNC Ported Heads		
.015"	<b>500-0013</b>	\$1.18
.030"	<b>500-0014</b>	\$1.18
For Super Stock Heads & Stock w/5/16 valve stem		
.015"	<b>90-2086</b>	\$1.05
.030"	<b>90-2087</b>	\$1.47