



FOR 1999-'06 BIG TWINS

S&S EASY START CAMS

Cam Name	S&S Gear Drive				Cams for S&S Oil Pump		S&S Chain Drive	
	Complete Kit		Cams with Inner Gears		Cams with Inner Gears		Complete Kit	
	Part #	MSRP	Part #	MSRP	Part #	MSRP	Part #	MSRP
551	106-5442	\$795.00	106-5441	\$491.60	—	—	106-5293	\$355.00
570	106-5243	\$795.00	106-5242	\$515.75	106-4751	\$536.00	106-5296	\$355.00
583	106-5859	\$795.00	106-5858	\$515.75	—	—	106-5289	\$355.00
585	106-5247	\$795.00	106-5246	\$515.75	106-4771	\$536.00	106-5299	\$355.00
625	106-5251	\$795.00	106-5250	\$515.75	106-5212	\$536.00	106-5302	\$355.00
640	106-4840	\$795.00	106-4839	\$515.75	106-4781	\$536.00	106-5305	\$355.00
675	106-5255	\$795.00	106-5254	\$515.75	106-5215	\$536.00	—	—

Note: 2006 Dyna® Models use 2007-Up style cams.

S&S GEAR DRIVE EASY START CAM
Gear drive style and cams for
S&S oil pumps available for 1999-'06



S&S® CHAIN AND GEAR DRIVE CAMSHAFT SPECIFICATIONS

Cam Name	Valve Timing Open/Close		Valve Duration		Valve Lift	Centerline		Lift @ TDC	
	Intake	Exhaust	Intake	Exhaust		Intake	Exhaust	Intake	Exhaust
551	17°/19°	41°/17°	216°	238°	.550"	91°	102°	.178"	.170"
557*	6.0°/26.5°	38.8°/12.4°	212°	231°	.557"	100°	103°	.113"	.146"
583	5°/18°	58°/24°	203°	262°	.583"	96.5°	107°	.113"	.206"
585	20°/45°	60°/20°	245°	260°	.585"	102.5°	110°	.186"	.179"

Note: These specifications apply to all S&S chain and gear driven cams.

* For 2009-'11 Harley-Davidson® Tri Glide® models

CROSS REFERENCE CHART

S&S Cam Name	H-D® Screamin' Eagle® Stock Cam	Andrews® Stock Cam	Application
551	SE-203/255	21H/26H	Best for Touring Models
570	—	54H	All Big Twin Models
583	SE-203/255	21H/26H	Best for Softail®/Dyna® Models
585	SE-211/251/257	31H/32H/50H/55H/67H	All Big Twin Models
625	SE-258/260	60H	All Big Twin Models
640	SE-264	59H	All Big Twin Models
675	—	64H	All Big Twin Models

SEE YOUR LOCAL S&S® DEALER FOR MORE INFORMATION OR VISIT US AT WWW.SSCYCLE.COM

S&S® CYCLE INGENUITY DOES IT AGAIN



HARD STARTING IS OBSOLETE!

S&S® Easy Start Cams are better
than a bunch of husky friends

Start any engine with a stock starter and battery!



GEAR DRIVE



CHAIN DRIVE



New S&S Easy Start Cams make hard starting
obsolete. Gear drive style available for 1999-'06
big twins. Gear drive and chain drive available for
2007-up big twins. Patent Pending.



START ANY ENGINE regardless of displacement or compression ratio with a stock starter. The new Easy Start Cams from S&S® Cycle make hard starting obsolete for 1999-up big twins. Available in chain drive and gear drive versions. *Don't get caught "dead" without them!* More Proven Performance® from S&S Cycle, Inc., the leader in V-Twin high performance parts since 1958.

FEATURES:

- Start any engine with a stock starter
- Save your starter and battery!
- **Reliable** – tested for 100,000 accumulative starts and over 150,000 road miles without breakage or compression release failure!
- **Automatic** – no buttons to push

THREE MOST POPULAR GRINDS

A bolt-in cam for all RPM ranges. *Something for everyone.*

S&S® set out to develop a new group of bolt in cams for 2007-up big twins. The three design targets were low end torque for touring, peak horsepower and a cam that would offer the best possible combination between torque and horsepower. The 551 emerged as the touring cam and the 583 is a great over all cam. The proven 585 posted the best results for peak horsepower.

551 Torque Cam

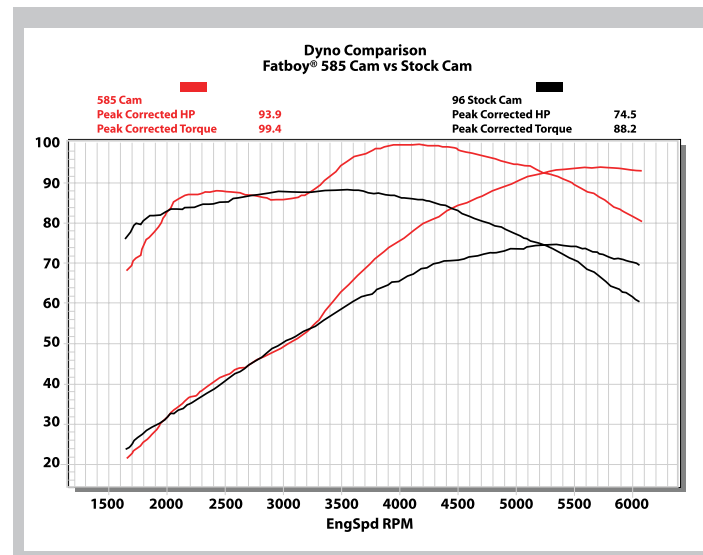
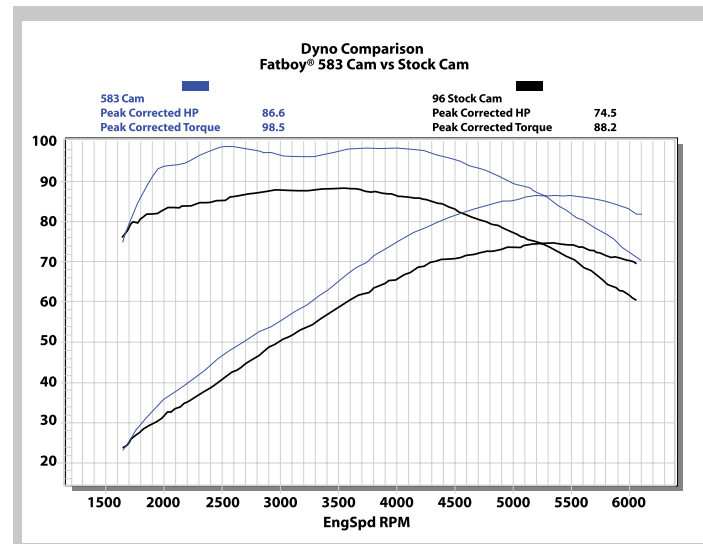
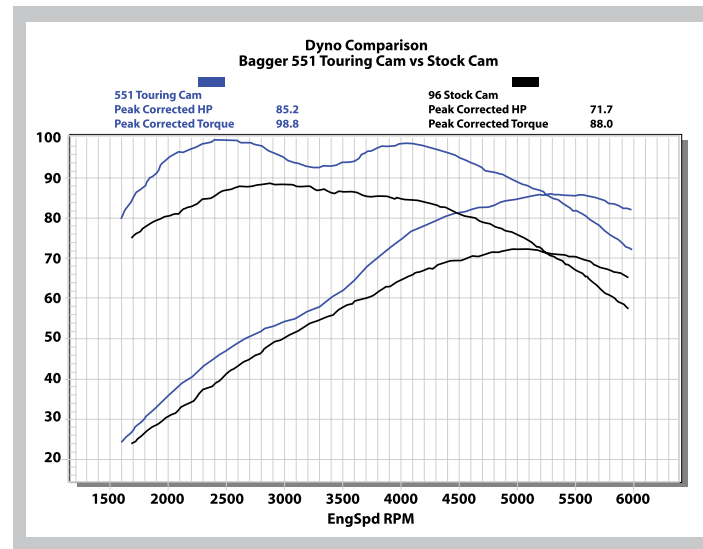
- **Optimized** for a 2007-up 96 to 106 CID touring bike with slip-on mufflers and 9.0 to 10.0:1 compression
- **Best bolt-in cam available for dressers**
- **Pulls hard** from idle to 4000 rpm.

583 Midrange Cam

- **Optimized** for use as a great over-all cam in the Softail®/Dyna® lines, but can be used in any 2007-up big twin model.
- **Provides** strong low end torque and horsepower that you can really feel.
- **Strongest** from 1500-5000 in a Softail/Dyna application.

585 Horsepower Cam

- **Optimized** for a 2007-up Softail or 2006-up Dyna 96 to 106 CID with slip-on mufflers, high flow air filter and 9.0 to 10.5:1 compression.
- **Great results** from 3000-6000 rpm.



NOTE: These cams were optimized for use with stock headpipes and performance slip-on mufflers.

HERE'S HOW IT WORKS

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



The compression release lobe reduces compression until the engine starts.



Increased rpm causes the compression release lobe to be centrifugally retracted so the engine runs normally.

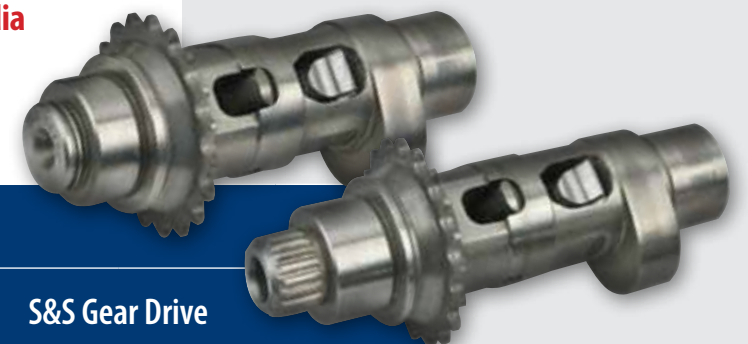
Reduces cranking compression – easier on starting system!

See the Easy Start cams crank test video at sscycle.com/media

FOR 2007-UP BIG TWINS

S&S EASY START CAMS						
Cam Name	Chain Drive		S&S Gear Drive			
	Complete Kit		Complete Kit		Cams with Inner Gears	
	Part #	MSRP	Part #	MSRP	Part #	MSRP
551	106-4947	\$345.00	106-5737	\$795.00	106-5736	\$515.75
557*	330-0053	\$345.00	330-0057	\$795.00	330-0056	\$515.75
570	106-5234	\$345.00	106-5221	\$795.00	106-5220	\$515.75
583	106-5807	\$345.00	106-5811	\$795.00	106-5810	\$515.75
585	106-5233	\$345.00	106-5225	\$795.00	106-5224	\$515.75
625	106-5239	\$345.00	106-5229	\$795.00	106-5228	\$515.75
640	106-5235	\$345.00	106-4850	\$795.00	106-4849	\$515.75
675	–	–	106-5741	\$795.00	106-5740	\$515.75

Note: 2006 Dyna® Models use 2007-Up style cams.
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S&S CHAIN DRIVE EASY START CAM Gear and chain drive style available for 2007-up



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