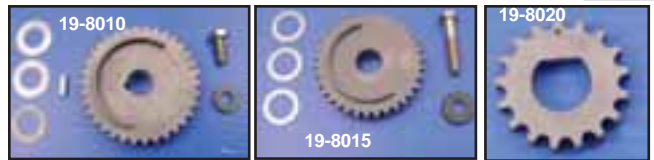


# Cam Kit for TC-88



### S&S Easy Start Cams

- start any engine even with a stock starter
- saves your starter and battery
- reliable-tested for 10,000 consecutive starts and never ran down the battery
- fully automatic no buttons to push



starts any TC-88 engine regardless of displacement or compression available in chain or gear drive versions-proven performance again from an industry leader

S&S, kits include cams, gear drive kit (where required) and cam installation kit.

2007 up TC-88	2007 up TC-88	99-06 TC-88	Series
chain drive kit	gear drive kit	gear drive kit	
10-6551	10-7551	10-9551	551
10-6570	10-7570	10-9570	570
10-6583	10-7583	10-9583	583
10-6585	10-7585	10-9585	585
10-6625	10-7625	10-9625	625
10-6640	10-7640	10-9640	640
N/A	10-7675	10-9675	675

Andrews TC-88 Steel Camshaft Drive Sprocket fits 1999-06.

VT No.	Type	Sprocket Type
19-8010	34T Cam	W/Key Drive
19-8015	34T Cam	W/Spline Drive
19-8020	17T Crank	W/Spline Drive



S&S TC-88 Gear Drive Cams and Camshaft Kits increases valve timing accuracy by eliminating timing chain lash and also reverses the rear cams direction of rotation providing additional operating clearance between cam lobes that will allow higher cam lifts.

**Complete Cam Kits** include cams, complete gear drive kit and cam installation kit.  
**Gear Drive Cams** can only be used with gear drive kit and also must be used with adjustable pushrods and performance valve spring kit.  
**Cams only** include inner gears. Outer cam drive gear kit must be ordered separately. Material must be removed from the inner surface of the stock gear cover and crank case modification is required on .625" and .640 lift cams.

00-05 Dyna		06-up Dyna		Series (See Note*)	Valve Timing Open/Close Intake	Valve Duration Open/Close Exhaust	Valve Lift Intake	Exhaust	Centerline	Lift@TDC			
Cams Only	Complete Cam Kits	Cams Only	Complete Cam Kit							Intake	Exhaust	Intake	
10-5160	10-5177	10-5246	10-5266	510G <sup>1</sup>	20°/38°	52°/20°	.238"	.252"	.510"	99°	106°	.187"	.178"
10-5166	10-5178	10-5247	10-5267	570G <sup>2</sup>	20°/40°	55°/20°	.240"	.250"	.570"	100.0°	107.5°	.187"	.179"
10-5168	10-5179	10-5248	10-5268	585G <sup>3</sup>	20°/40°	60°/20°	.245"	.260"	.585"	102.5°	110.0°	.186"	.176"
10-5170	10-5180	10-5249	10-5269	625G <sup>4</sup>	20°/55°	60°/20°	.255"	.260"	.625"	110.0°	110.0°	.189"	.184"
10-5172	10-5181	10-5250	10-5270	640G <sup>5</sup>	25°/60°	60°/25°	.265"	.265"	.640"	107.5°	107.5°	.228"	.221"
10-4276	—	10-4268	—	Outer cam drive gear kit									
10-4275	—	10-4285	—	complete gear drive kit includes pinion gear, front and rear inner cam gears and outer cam gear.									

- 11-7715 adjustable pushrod set
- 11-2077 valve spring kit w/steel top collars
- 11-2078 valve spring kit with titanium top collars

1. Camshaft Set 510G: designed for 88-95 cubic inch engines with compression ratio below 9.7:1
2. Camshaft Set 570G: designed for 88-95 cubic inch engines with compression ratio below 10:1
3. Camshaft Set 585G: designed for 88-95 cubic inch engines with compression ratios from 10 to 10.75:1
4. Camshaft Set 625G: designed for engines of 95 cubic inches or more with compression ratios between 10.0 and 10.75:1
5. Camshaft 640G: designed for engines of 95 cubic inches or more with compression ratios of 10.5-11.5:1



**S&S TC-88 Adjustable Pushrods and Cover Kit.**  
 Chrome-moly pushrods feature simple trouble-free installation that does not require the removal of gas tank or rocker assemblies. Includes pushrods, gaskets, O-rings, retainer clips and upper pushrod covers that have been designed to provide a more stable and rigid cover assembly.



**Cam Installation Support Kit** includes cam cover gasket, two inner cam needle bearings, two outer cam bearings and a retaining ring.

VT No.	Type	Years
12-0125	Gear	2000-05 Dyna, 2000-06 Big Twins
12-0126	Chain	As Above
12-5240	Gear	2006-up Dyna, 2007-up Big Twins

VT No.	Item
11-7715	Kit
11-7716	Pushrods Only

Crane Cam Sets are available as a replacement style to be used with stock cam drive assembly or with S&S gear drive assembly. Computer designed hydraulic cams that feature lube-to-lube cam profile accuracy for off idle torque to high RPM horsepower.

99-05 Dyna	06-up Dyna	Duration @.053	Exhaust	Gross Valve Lift @ TDC	Exhaust	Specifications
99-06 FLT, FXST	07-up FLT, FXST	Open/Close Intake		Intake		
10-4396	10-4417 10-4411**	226° 13/33	236° 42/14	.505" .147"	.505" .152"	<i>Mild Street, Cruising, Touring.</i> Bolt-in cam, low-end torque and mid-range HP. Good for heavy bikes. Stock comp. Best power w/performance air cleaner, free-flow exhaust. Use stock v/springs. Range: Idle to 5,000 RPM
10-4392	10-4418	236°	242°	.505"	.505"	<i>Moderate Street, Cruising.</i> Bolt in. Mild perf. for Dynas, Softails or single riders. Stock comp. ratio or up to 9.5:1. Best power w/perf. air cleaner and free-flow exhaust. Uses stock v/springs. Range: 1,500 to 5,500 RPM
10-4407*		20/36	47/15	.185"	.157"	
10-4412**						
10-4393	10-4419	242°	252°	.505"	.505"	<i>Street Performance, Some Engine Modifications.</i> Bolt-in. OK w/stock comp. but works best with up to 10:1:1 c/r. Best power w/perf. air cleaner and free-flow exhaust. Use stock v/springs. Range: 1,800 to 5,800 RPM
10-4408*		19/43	48/24	.178"	.205"	
10-4413**						
10-4394	10-4420	240°	248°	.570"	.570"	<i>Hot Street Performance, Modified.</i> OK w/stock cubic inch or big-bore kit (95 c.i.). Best power w/incr. comp. ratio 9.5:1-up, head mods. Must use Crane v/springs, clearanced for .570" lift. Great low-end and mid-range torque w/added upper RPM power. Must use perf. air cleaner and free-flow exhaust. Range 1,800 to 5,800 RPM
10-4409*		18/42	46/22	.173"	.198"	
10-4414**						
10-4397	10-4421	246°	254°	.619"	.619"	<i>Hot Street Performance, Modified.</i> For modified engines with 10.25:1-up compression, big bore kits, head mods. Must use Crane valve springs, clearanced for .600" lift. Must use perf. air cleaner and exhaust. Designed to use with Edelbrock Performer RPM Twin-Cam cylinder heads. Range: 2,000 to 6,000 RPM
10-4410*		20/46	52/22	.188"	.193"	
10-4415**						
10-4395	10-4422	254°	260°	.600"	.600"	<i>Max Hot Street, Modified.</i> For modified engines. Higher comp., 10.5:1-up big-bore kits, head mods, etc. Must use Crane v/springs., clearanced for .600" lift. Strong mid-range torque with upper RPM power. Must use perf. air cleaner and free flow exhaust. Range: 2,000 to 6,200RPM
10-4416**		25/49	56/24	.211"	.206"	

\*Note: Use S&S Gear Drive Assembly 10-4275  
 \*\*Note: Cam and lifter kits include replacement style cams and Crane Performance lifters.