

FASTER SINCE 1950

NEW FOR
-FROM S&S CYCLE-
2020

540 M8 BIG BORE CAM KITS

for 2017-'20 touring models & 2018-'20 Softail® models

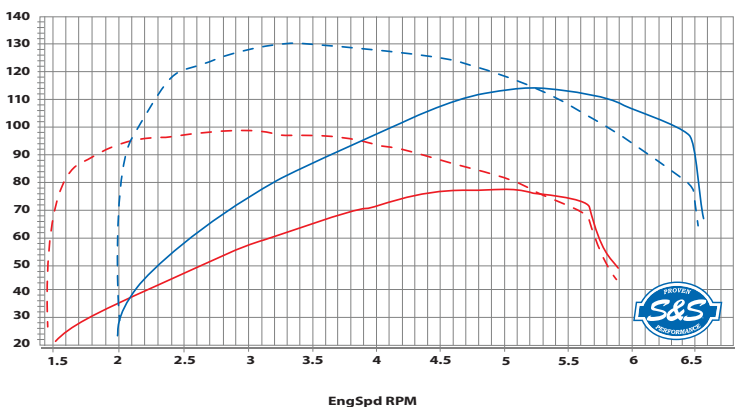


Big horsepower numbers are the status symbol of a performance engine, but more often than not, the bolstered torque spec is what you really feel when riding it. This is particularly relevant for the heavy touring machines as it's torque that rockets you onto the highway and it's definitely torque that let's you effortlessly push a loaded bagger around slower traffic. With that in mind, we created the 540 cam for M8 powered touring bikes. Designed to work with our big bore kits and produce stump pulling torque down low in the RPM range as well as maintain respectable horsepower numbers.

- 540 Cam was designed to add even more stump pulling torque to your big bore M8, for those that keep the revs below 6000 rpm
- Kits include all required bearings, o-rings, and hardware
- Gear drive cams provide improved valve timing accuracy
- Gear drive kits include drive gears
- Made in the USA

540 Gear Drive	330-0715	
540 Chain Drive	330-0713	

DISCLAIMER: NOT LEGAL FOR SALE OR USE IN CALIFORNIA ON ANY POLLUTION CONTROLLED MOTOR VEHICLE. NOT LEGAL FOR SALE OR USE NATIONWIDE ON ANY FEDERAL POLLUTION CONTROLLED MOTOR VEHICLE UNDER THE CLEAN AIR ACT



STOCK CAM vs 540 CAM

on a 2017 HD® Limited — 124 Big Bore kit, 5.5 g/s injectors, 2:1 Sidewinder, Stealth +1 Air Cleaner

STOCK CAM	Max Power = 77.21
	Max Torque = 98.54
540 CAM	Max Power = 113.91
	Max Torque = 130.39

S&S® CAMSHAFT SPECIFICATIONS

CAM	CYLINDER	VALVE TIMING		VALVE DURATION		VALVE LIFT		LOBE CENTER LINE		VALVE LIFT @ TDC	
		INTAKE	EXHAUST	INTAKE	EXHAUST	INTAKE	EXHAUST	INTAKE	EXHAUST	INTAKE	EXHAUST
		OPEN BTDC/ CLOSE ABDC	OPEN BBDC/ CLOSE ATDC	INTAKE	EXHAUST	INTAKE	EXHAUST	INTAKE	EXHAUST	INTAKE	EXHAUST
540	Front	17.7/30.6	21.2/33.9	228.3	235.1	0.540	0.540	96.4	83.6	0.175	0.262
	Rear	14.9/28.7	37.7/26.9	223.6	244.6	0.540	0.540	96.9	95.4	0.161	0.216

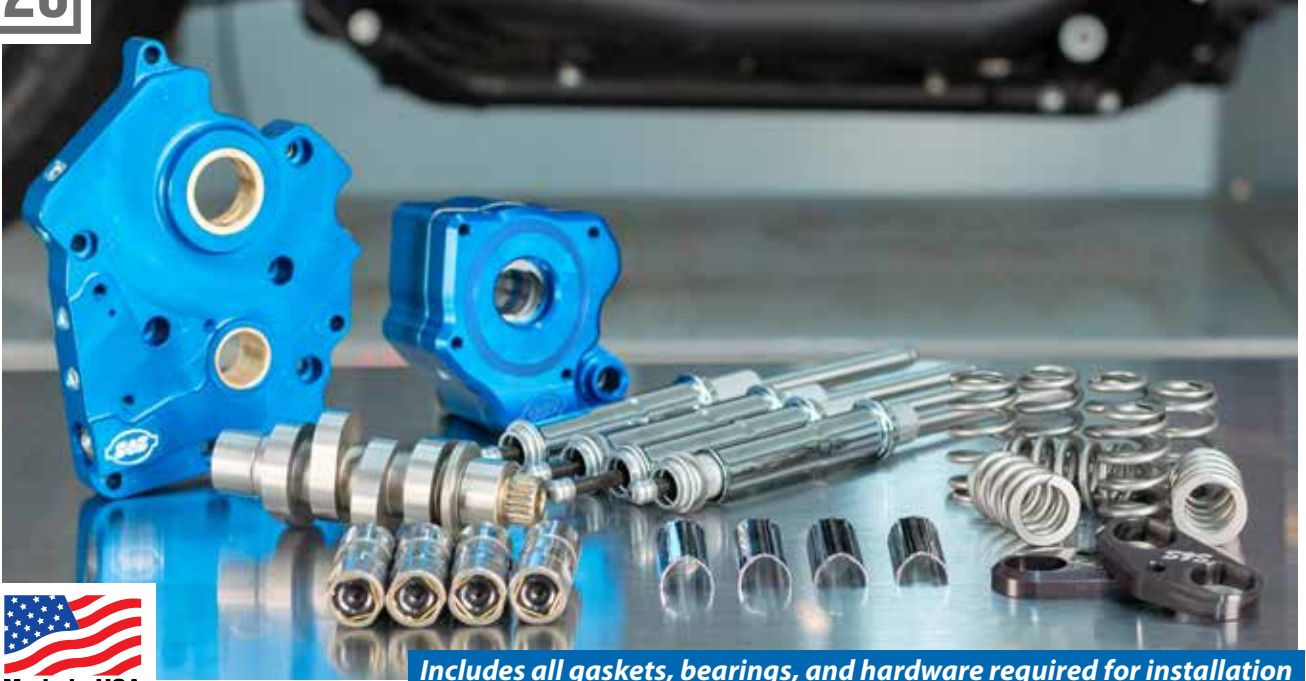


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540 M8 BIG BORE CAM CHEST KITS

for 2017-'20 touring models & 2018-'20 Softail® models



Includes all gaskets, bearings, and hardware required for installation

Oil Pump/Cam Plate:

- Precision machined from billet aluminum
- Passage plugs removable for servicing
- Independent scavenge sections for flywheel cavity and cam chest
- Debris screens in both scavenge pickups
- Magnet in cam chest to help to stop debris from entering oil pump
- 44% flow increase on supply side and 58% flow increase on scavenge
- Pressure relief valve is adjustable with unit installed in engine
- Kits now include updated oil pump with groove for optional OEM oil seal

Pushrods:

- Quickee Pushrods
- Chrome pushrod tubes

Tappets:

- Hand assembled to exacting tolerances
- 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

Tappet Cuffs:

- Hard anodized black coating
- Billet aluminum construction
- Improve tappet stability in high lift and high rpm situations

Cam:

- 540 Cam was designed to add even more stump pulling torque to your big bore M8, for those that keep the revs below 6000 rpm
- Available in both gear drive and chain drive variations
- Gear drive kits provide improved cam timing accuracy and eliminate the stock cam chain tensioner

Valve Springs:

- Works with cams up to .605 lift
- High Performance Conical Single Wire Spring
includes: Springs, Top Collars, Keepers, Valve Seal/Bottom Collar

COOLING SYSTEM	CAM	PART #	
Oil Cooled	Chain	310-1118	
	Gear	310-1117	
Water Cooled	Chain	310-1116	
	Gear	310-1119	

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