

88" Generator-Alternator Pan or Shovelhead Long Block



Panhead or Shovelhead 88" Generator-Alternator Long Block features alternator left hand case and generator right hand case. Each long block is assembled with S&S Crankcases, Sifton Oil Pump/Breather Assembly, S&S 4 1/4" stroke flywheels, Timken main bearing, stock FLH cam with matched pinion gear installed with a Torrington full compliment needle bearing. Assembled with a cast finish cam cover, automatic advance distributor, chrome lifter blocks that are fitted with hydraulic tappets and pushrods. Cylinders are S&S 3 5/8" type fitted with 7.75:1 compression ratio cast pistons and rings. Top end also features 3 5/8 Big Bore single plug Panheads with Shovelhead exhaust pipe flange and intake ports, and are fitted with rocker arm assemblies, no lead valves, chrome pan covers, polished thick D-Rings, chrome pushrod covers and chrome rocker box feed line. Entire unit is pre-run and tested for proper oil pump pressure. Order intake manifold (O-ring type) and carburetor separately. Use with 4 speed 1970-84, 5 speed Rigid Softail 1986-99 transmission electric or kick start. VT No. 10-2018 has chrome cam cover in addition to chrome pans.

Cubic Inch = $\pi r^2 \times \text{Stroke}$
r = 1/2 of Bore

CUBIC INCH CHART								
STROKE	3 1/2"	3 13/16"	3.968"	4 1/4"	4 1/2"	4 5/8"	4 3/4"	5.00"
23/4"		45"	74"	80"				
3 5/16"	61"							
3 7/16"	64.8"		73.7"	78.7"	83.4"	85.7"	88.0"	92.8"
3 1/2"	67.2"		76.3"	81.6"	86.6"	89.0"	91.4"	96.1"
3 5/8"	72.1"		81.7"	87.4"	92.9"	95.5"	99.0"	103.2"
3 13/16"	74.6"		84.7"	90.7"	96.1"	98.8"	101.5"	106.8"
3 15/16"	79.9"		90.6"	97.0"	102.8"	103.7"	108.9"	114.2"
3 7/8"	82.3"		93.4"	100.1"	100"	108.9"	111.9"	117.8"
4.00"	87.9"		99.7"	106.8"	113.0"	116.1"	119.3"	125.6"
4 1/8"	93.4"		106.0"	113.5"	120.2"	123.5"	126.9"	133.6"
4 1/4"	99.2"		112.6"	120.5"	127.6"	131.1"	134.7"	141.8"

VT No.	Finish	Type
10-2014	Natural	Panhead
10-2018	Polished	Panhead
10-1984	Natural	Shovelhead



Chrome Y Tube Top Oil Lines fit Panhead top ends.
VT No. 40-0606



10-2013
V-Twin Mfg™
Replica Flatside
Shovel

V-Twin First
 Replica Engines
 1997 Evo
 1998 Panhead
 1999 Shovel
 2002 Knucklehead

Flatside Shovelhead Long Block is of 74 cubic inch displacement featuring Sifton oil pump/breather assembly, stock stroke flywheel, Timken bearing, stock FLH cam properly installed with a matched pinion and cam gear with a Torrington full compliment bearing. Assembly is supplied with a natural finish Flatside 1966-69 stock style cam cover, chrome lifter blocks which are fitted with hydraulic tappets and stock style pushrods. Cylinders are stock style with standard compression 8.5:1 cast pistons and Hastings rings. Top end includes replica stock type single plug heads with chrome steel pushrod covers and polished rocker boxes with shafts and arms installed. Order manifold (flat seal type), carburetor and 2 brush generator separately. Clamp style automatic advance distributor is included. Entire unit is pre-run and factory tested for oil pressure.

All long blocks shipped assembled as pictured to fit 1965-69 transmission.

VT No.	Item
10-2002	74"
10-2013	80"