



ENGINE	SPECS
Brand	BBC-S&S 100 SMOOTH™
Finish	Natural & Chrome
Displacement	100"
Bore X Stoke	4.00" X 4.00" (Square)
Horsepower	95 bhp
Torque	110 lb/ft
Carburetor	S&S Super E
Air Cleaner	S&S Tear Drop
Oil Pump	S&S High Volume
Warranty	2 Year / 20,000 Mile
Overview	Reliability, power and comfort... the best of all worlds. And when we say reliability, we not only mean the life of the engine, but the life of motorcycle and everything that's bolted to it. Branded as '100 SMOOTH™,' this internally reformed 100 cubic inch engine boasts a healthy 110 lbs. of torque. With a square configuration of a 4.00" bore and 4.00" stroke, proprietary compression ratios, redesigned cam timing, and reciprocating weights all result in an incredibly smooth running engine while meeting all the strict legal requirements. While looking like any other S&S Super Sidewinder engine from the outside, the essence of this new engine is the low vibration. High engine vibration is an enemy to both the rider and the motorcycle. The effects of high engine vibration may cause premature rider fatigue as well. Eliminate engine vibration and you will eliminate potential problems.
TRANSMISSION	SPECS
Brand	Baker
Finish	Polished & Chrome
Drive	Left Side
Gears	5-Speed
Warranty	5 Year / 50,000 Mile
Overview	The Baker brand has proven itself in the aftermarket V-Twin industry as the premier tranny to get. This Detroit built tranny is designed and manufactured to comfortably handle the power from our engines while looking good behind it.
DRIVETRAIN	SPECS
Primary Drive for Builds	Enclosed Wet Chain
Finish	Chrome
Primary Drive for Kits	BDL Open Belt
Finish	Polished
Final Drive	Chain & Sprocket
Overview	We build our motorcycles with a sleek, thickly chrome plated primary drive while we provide the tough looking BDL open belt drives for the unassembled orders. The final drive for our Merc models come with a chain and pulley setup. Not only is the chain final drive true to the attitude and style of this bike, but also for a bomb proof power transfer to the rear wheel.
ELECTRICAL	SPECS
Wiring Harness	BBC-WirePlus
Charging System	Spyke 32 Amp
Ignition	Crane Hi-4 Dual Fire
Coil	80,000 Volt Mini
Starter	Spyke Polished & Chrome
Battery	Interstate
Overview	For you guys wanting to build this bike from the unassembled state, you will be very happy with our new

wiring harness. This harness is a plug and play type that will tremendously eliminate your wiring time and confusion. And with the high-end brand name electrical components hooked up to this bike, we're sure your seat time will be at a maximum and not on the side of the road kicking rocks.

FRAME	SPECS
Brand	BBC Merc Softail
Type	Softail
Frame Tube	0.160" Wall DOM Seamless
Swingarm	BBC Merc
Backbone	0.250" Wall 3" Stretch
Downtube	0.160" Wall 6" Stretch
Neck Rake	48°
Seat Height	23.5 " from ground
Wheel Base	116" end to end
Weight	650 lbs approx.
Warranty	Lifetime of Original Owner
Overview	<p>The Merc Softail is our most extreme softail chopper in our fleet with a 48° raked neck. The double barrel shotgun type radius downtube is a very unique element in the frame design.</p> <p>The frame is the foundation of the motorcycle's aesthetics and reliability. All our frames are designed and manufactured in house in our Big Bear Lake facility. Every frame component (e.g. neck, side plates, tank mounts, tranny plate, axle adjusters, etc) are CNC manufactured with precision. Utilizing a 0.250 wall, 1.5" tube steel for the backbone and 0.160 wall, 1.125" tube for the rest of the frame, BBC uses the best steel possible for our frames. All frames are 100% TIG welded for a clean, strong and precise fusion. We think we make a statement about our confidence with a lifetime warranty on the frames we make.</p>
SHEETMETAL	SPECS
Fuel Tank	BBC Merc (Pat. #512951), 3.8 Gallons
Gas Cap	BBC Flush Mount Pop-Up
Oil Tank	BBC Merc 14 Gauge Steel
Rear Fender	BBC Standard 12 Gauge Steel
Front Fender	BBC Standard 12 Gauge Steel
Warranty	Lifetime of Original Owner
Overview	<p>Like our frames, our tanks and fenders are designed and manufactured in-house. We produce the sheetmetal with the frame as a unit, then gets 'mock-up' before we hand it over to our painters or ship it out to the unassembled kit customers. We use heavy duty 12 gauge steel for our fenders and 14 gauge steel for the tanks. All tanks are pressure tested and the fenders are computer cut. We guarantee and warranty any leaks from the tanks and cracks in the fenders for your lifetime.</p>
SUSPENSION	SPECS
Frontend	BBC Merc Springer
Finish	Raw for Kits, Painted/Chrome for Builds
Triple Tree Rake	2°
Trail Length	3.75"
Leg Length	18" Over Stock
Rear	Progressive Suspension
Finish	Chrome
Seat Travel	2.25"
Overview	<p>Designed and manufactured in-house, our springer is exclusively made for the Merc Model to be aesthetically cool and functionally bomb proof. Don't be insecure about that long springer frontend, with our calculations with the frame and frontend, we've landed the front wheel in the sweet spot of the final trail measurement. This allows for a motorcycle with no frontend flop and high speed wobble. For the rear, we've gone with the industry's best shocks - Progressive Suspension.</p>
WHEELS BRAKES	SPECS
Wheels	BBC 60 Spoke
Type	Stainless Steel Spokes, Chrome Rim & Hub
Front Rim	21" x 2.125"
Rear Rim	18" x 8.5"
Front Tire	Avon Venom 90mm
Rear Tire	Avon Venom 250mm
Front Brake	PM 4 Piston Caliper
Rear Brake	PM 4 Piston Caliper
Overview	<p>What better wheels to use than spoke wheels on an old school flavored chopper? And stopping these wheels are Performance Machine's 4-piston caliper polished brakes. Nothing gets better than that.</p>
ACCESSORIES	SPECS
Pipes	Chrome 2 into 1 Baffled EPA Approved
Bars	BBC V-Bar

Hand Controls	Chrome OEM Style
Dash	Dakota Digital 5011
Grips	Black Rubber
Foot Controls	BBC Chrome
Headlight	Chrome
Signals	Chrome DOT Approved
Mirrors	Chrome DOT Approved
Seat	BBC-High End
Kickstand	BBC Mid-Mount
Cables	Goodridge Stainless Steel Clear Coated
Overview	This is where a lot of manufacturers cut corners to cut costs. Well, we don't. In fact, we march though every corner of the motorcycle's manufacturing, assembly and component selection without a doubt that we are providing to you the best possible bike for your money.
<i>Prices starting from:</i>	\$32,500 plus freight, PDI and taxes