

General Specifications	
Engine	
Engine Type	4-stroke, V-type, 2-cylinder, SOHC, Liquid cooled, 8-valve, Counterbalancer
Displacement	805 cc
Bore x Stroke	88.0 x 66.2 mm
Compression Ratio	9.5:1
Carburetor	Keihin CVK36 Constant velocity, Diaphragm-type
Ignition System	TCBI with Digital Advance
Ignition Advance	Electronic
Crankshaft Rotation	Clockwise from RH side
Cylinder Material	Aluminum alloy with ferrous sleeves
Fuel	Min 91 Research/87 Avg. Oct. Unleaded OK
Coolant	50% distilled water /50% ethylene glycol base antifreeze.
—Capacity	2.4 liter
—Level	Level with radiator filler neck.
Transmission	
Clutch Type	Wet, Multi-disc, Manual
Transmission	5-speed, Constant mesh, Return shift
Shift Pattern(Bottom up)	1-N-2-3-4-5 (w/Neutral Finder)
Gear Ratios	2.53 (38/15)
—1st	1.65 (33/20)
—2nd	1.23 (32/26)
—3rd	1.00 (29/29)
—4th	0.86 (24/28)
—5th	2.184 (83/38)
Primary Ratio	4.625
Overall Ratio (Top Gear)	
Chassis	
Wheelbase	1,600 mm (63 in.)
Seat Height	705 mm (27.8 in.)
Ground Clearance	135 mm (5.3 in.)
Dry Weight	234 kg (US) 234.5 kg (CA)
Max Recom Load	180 kg
Fuel Tank Capacity	15 liter (4.0 gal.)
Tire Size	130/90-16 BS
—Front	140/90-16 BS
—Rear	Single Hydraulic Disc
Brake Type	Mechanical Drum (Leading/Trailing)
—Front	272 mm Effective Diameter
—Rear	180 x 40 Effective Diameter
Brake Size	150mm (5.9 in.)
—Front	100mm (3.9 in.)
—Rear	

Model Identification	
Year & Model	'05 VN800-B10:VULCAN 800 CLASSIC
Colors	1. Candy Wine Red (H3) 2. KMM. Candy Persimmon Red (V9) 3. KMM. Pearl Luster Beige (IR) 4. Metallic Spark Black (660)
VIN Range	JKBVNCB1✓5B523901 ~ JKBVNCB1✓5A109001 ~ (Canada only)
Engine No. Range	VN800AE000001 — ?
Engine No. Location	RH top crankcase, below carburetor
Tuning Specifications	
Engine	
Valve Clearance	Intake: 0.10 ~ 0.15 mm Exhaust: 0.20 ~ 0.25 mm
—Adjustment Method	Measure between rocker arm and shim
Compression Pressure	124 ~ 191 psi
Spark Plug	NGK CR7E
—Gap	.7-.8 mm
Ignition Timing	5.0 BTDC @ 1,000 RPM 37.5 BTDC @ 6,750 RPM
—Idle	
—Full	
Pilot Screw	Sealed—not adjustable
Idle Speed	1100 ±50 rpm
Engine Oil	API SE, SF or SG API SH or SJ of JASO MA Class
—w/Filter Change	SAE 10W40
—No Filter Change	2.9 L
—Level	2.7 L
	On center stand, wait 5 min, middle of window
Chassis	
Fork Oil	SHOWA SS8G0 SAE 10W
—Capacity	337-343 cc (dry)
—Level	286 mm
Fork Air Pressure (Cold)	0-35 psi
Tire Pressure (Cold)	
—Front	29 psi
—Rear (Normal)	29 psi
—Rear (Heavy)	33 psi