

General Specifications		
Engine		
Engine Type	4-stroke, V-type, 2-cylinder, SOHC, Liquid cooled, 8-valve, Counterbalancer	
Displacement	1470 cc	
Bore x Stroke	102.0 x 90.0 mm	
Compression Ratio	9.0:1	
Fuel Injection	Digital Fuel Injection 36x2	
Ignition System	TCBI w/ Digital Advance	
Lubrication System	Forced Wet Sump	
Crankshaft Rotation	Clockwise from RH side	
Firing Interval/Order	1/2	
Cylinder Material	Aluminum alloy with ferrous sleeves	
Fuel	Min 95 Research/90 Avg. Oct. Unleaded OK	
Coolant	50% distilled water /50% ethylene glycol base antifreeze	
—Capacity	2.3 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	2.50 (40/16)	
—1st	1.59 (35/22)	
—2nd	1.192 (31/26)	
—3rd	0.965 (28/29)	
—4th	0.781 (25/32)	
—5th	1.517 (85/56)	
Primary Ratio	2.62 (15/21 x 33/9)	
Final Ratio	3.105	
Overall Ratio (Top Gear)		
Chassis		
Wheelbase	1,665mm	(65.6 in.)
Seat Height	700mm	(27.6 in.)
Ground Clearance	125mm	(4.9 in.)
Dry Weight	299 kg	(659 lb.) (US)
	299.5 kg	(660 lb.) (CA)
Curb Weight	325 kg	(716 lb.)
Fuel Tank Capacity	19 L	(5.0 gal.)
Rake Angle	32°	
Tire Size	—Front	130/90-16 71H
	—Rear	150/80-16 71H
Brake Type	—Front	Single Disc
	—Rear	Single Disc
Brake Size	—Front	272 mm Effective Diameter
	—Rear	242 mm Effective Diameter
Wheel Travel	—Front	150 mm
	—Rear	95 mm

Model Identification	
Year & Model	'05 VN1500-N4:VULCAN 1500 CLASSIC
Colors	1. Ebony (H8) 2. Metallic Phantom Silver (GU)
VIN Range	JKBVNAN1✓5A019001 -
Engine No. Range	VNT50AE000031 —
Engine No. Location	RH top crankcase, below carburetor
Tuning Specifications	
Engine	
Valve Clearance	0.0 mm
—Adjustment Method	Automatic lash adjusters (hydraulic)
Spark Plug	STD NGK DPR6EA-9, ND NDX20EPR-9
—Gap	0.8 - 0.9 mm
Ignition Timing	—Idle 5° BTDC ("F" mark) at 950 rpm
	CA - 0° @ 1,000 rpm
	—Full 25° @ 4,500 rpm
Pilot Screw	Sealed — not adjustable
Idle Speed	800 ±50 rpm
Engine Oil	SAE SE, SF, or SG 10W40
—w/Filter Change	2.7 liter
—No Filter Change	2.5 liter
—Level	On center stand, wait 5 min, middle of window
Chassis	
Fork Oil	SAE 10W20
Capacity	465-470 cc
Tire Pressure (Cold)	
—Front	2.0 kg/cm ² (29 psi)
—Rear (Normal)	2.8 kg/cm ² (0-97.5 kg) (36 psi)
Final Gear Case Oil	
— Above 5°C	API GL-5 SAE 90
— Below 5°C	API GL-5 SAE 80
— Capacity	0.2 liter
— Level	Mcy vertical, to bottom thread of filler cap hole
Electrical	
Battery	12V18AH
Headlight	12V, 60/55W
Tail/Stoplight	12V, 5/21W x 2