

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
Maximum Torque	6.6 kg-m at 3,500 rpm
Carburetor	Keihin CKv36 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	4.405
Overall Ratio (Top Gear)	
Chassis	
Wheelbase	1,615 mm
Seat Height	760 mm
Dry Weight	542.4 lb. (US) 543.5 lb. (CA)
Curb Weight	584.2 lb. (US) 585.3 lb. (CA)
Max Recom Load	N/A
Fuel Tank Capacity	15 liter
Tire Size	—Front 130/90-16 BS
	—Rear 140/90-16 BS
Brake Type	—Front Single Hydraulic Disc
	—Rear Single Disc
Brake Size	—Front 272 mm Effective Diameter
	—Rear 242 Effective Diameter
Wheel Travel	—Front 5.9 in.
	—Rear 4.1 in.

Model Identification	
Year & Model	'04 VN800-E4:VULCAN 800 DRIFTER
Color	Galaxy Silver/Ebony (686)
VIN Range	JKBVNCE1✓4A008001~
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
Spark Plug	NGK CR7E
	.7-.8 mm
Ignition Timing	5.0 BTDC @ 1,000 RPM
—Gap	35 BTDC @ 5,000 RPM
—Idle	Sealed—not adjustable
—Full	1100 ±50 rpm
Pilot Screw	SE Class SAE 10W40, 10W50, 20W40, 20W50
Idle Speed	
Engine Oil	2.9 L
—w/Filter Change	2.7 L
—No Filter Change	Bike level, wait 5 min, middle of window
—Level	
Chassis	
Fork Oil	SAE 10W
—Capacity	318 - 323 cc dry
Fork Air Pressure (Cold)	0.0 kg/cm², max 2.5 kg/cm²
Tire Pressure (Cold)	
—Front	2.0 kg/cm² 29 psi
—Rear (Normal)	2.0 kg/cm² (0-97.5 kg) 29psi
—Rear (Heavy)	2.25 kg/cm² (97.5-180 kg) 33 psi