

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 (2.5 qt.)
—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	—1st 2.53 (38/15)
	—2nd 1.65 (33/20)
	—3rd 1.23 (32/26)
	—4th 1.00 (29/29)
	—5th 0.86 (24/28)
Primary Ratio	2.184 (83/38)
Overall Ratio (Top Gear)	4.405

Chassis	
Wheelbase	1,615 mm (63.6 in.)
Seat Height	760 mm (29.9 in.)
Dry Weight	542.4 lb. (US) 543.5 lb. (CA)
Curb Weight	584.2 lb. (US) 585.3 lb. (CA)
Fuel Tank Capacity	15 liter (4.0 gal.)
Tire Size	—Front 130/90-16 BS
	—Rear 140/90-16 BS
Brake Type	—Front Single Disc
	—Rear Single Disc
Brake Size	—Front 272 mm Effective Diameter
	—Rear 242 Effective Diameter
Wheel Travel	—Front 150mm (5.9 in.)
	—Rear 105mm (4.1 in.)

Model Identification

Year & Model	'06 VN800E6F:VULCAN 800 DRIFTER
Color	Galaxy Silver Type 2/Ebony (686)
VIN Range	JKBVNCE1✓6A0140001 ~
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
—Gap	.7-.8 mm
Ignition Timing	—Idle 5.0 BTDC @ 1,000 RPM
—Full	35 BTDC @ 5,000 RPM
Pilot Screw	Sealed—not adjustable
Idle Speed	1100 ±50 rpm
Engine Oil	10W40 API SE, SF or SG, API SH or SJ of JASO MA Class
—w/Filter Change	2.9 L
—No Filter Change	2.7 L
—Level	Bike level, wait 5 min, middle of window

Chassis	
Fork Oil	SHOWA SS 8 GO 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