

General Specifications

Engine	
Engine Type	4-stroke, 52° V-twin, OHV, Liquid cooled,
Displacement	2053 cc
Bore x Stroke	103 x 123.2 mm
Compression Ratio	9.5:1
Fuel Injection	Digital Fuel Injection 46x2
Ignition System	TCBI w/ Electronic Advance
Lubrication System	Forced Lubrication Semi-Dry Sump
Fuel	Min 95 Research/90 Avg. Oct. Unleaded OK
Coolant	50% distilled water /50% ethylene glycol base antifreeze
—Capacity	2.5 liter / 2.6 qt.
—Level	Between “F” and “L” on the reserve tank

Transmission	
Clutch Type	Wet, Multi-disc, Manual
Transmission	5-speed, Return shift
Shift Pattern(Bottom up)	1-N-2-3-4-5 (w/Neutral Finder)
Gear Ratios	—1st 2.50 (51/20)
	—2nd 1.63 (44/27)
	—3rd 1.22 (39/32)
	—4th 0.94 (31/33)
	—5th 0.73 (27/37)
Primary Ratio	1.50 (48/32)
Final Ratio	2.74 (50/41 x 72/32)
Overall Ratio (Top Gear)	3.003

Chassis	
Wheelbase	1735 mm (68.3 in.)
Seat Height	680 mm (26.8 in.)
Ground Clearance	135mm (5.3 in.)
Dry Weight	340 kg (750 lb.)
Curb Weight	371 kg (818 lb.)
Fuel Tank Capacity	21 L (5.6 gal.)
Tire Size	—Front 150/80-R16
	—Rear 200/60-R16
Brake Type	—Front Dual Disc
	—Rear Single Disc
Brake Size	—Front 268 mm Effective Diameter
	—Rear 292 mm Effective Diameter
Wheel Travel	—Front 150 mm (5.9 in.)
	—Rear 100 mm (3.9 in.)

Model Identification

Year & Model	‘05 VN2000-D1:VULCAN 2000 LTD
Colors	1. Metallic Ruby Red/Ebony (776)
VIN Range	JKBVNMD1✓5A000001 -
Engine No. Range	VNW00AE000001 —
Engine No. Location	LH top crankcase

Tuning Specifications

Engine	
Valve Clearance	N/A
—Adjustment Method	Automatic lash adjusters (hydraulic)
Compression Pressure	58 psi
Spark Plug	NGK IZFR6F-11
—Gap	1.0 - 1.1 mm
Ignition Timing	—Front From 13° BTDC at 900 rpm - 25° BTDC at 4500 rpm
	—Rear From 15° BTDC at 900 rpm - 25° BTDC at 4500 rpm
Idle Speed	900 ±50 rpm
Engine Oil	API SE, SF, or SG (SH or SJ with JASO MA)
	10W40
—Capacity	5.5 L (5.8 qt.)
—Level	Between “H” and “L” on dipstick

Chassis	
Fork Oil	SAE 10W20 SHOWA SS8
Capacity	605 ml
Tire Pressure (Cold)	
—Front	36 psi
—Rear (Normal)	42 psi

Electrical	
Battery	12V18AH
Headlight	12V, 65/55W
Tail/Stoplight	12V, 5/21W x 2