

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
Carburetor	Fuel Injection (36x2 Throttle Bore)
Ignition System	TCBI w/Digital Advance
Crankshaft Rotation	Clockwise from RH side
Firing Interval/Order	1/2
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	2.3 liter (2.4 qt.)
—Level	Level with radiator filler neck
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 (40/16)
	—2nd 1.59 (35/22)
	—3rd 1.192 (31/26)
	—4th 0.965 (28/29)
	—5th 0.781 (25/32)
Primary Ratio	1.517 (85/56)
Final Ratio	2.62 (15/21 x 33/9)
Overall Ratio (Top Gear)	3.105
Chassis	
Wheelbase	1655 mm (65.2 in.)
Seat Height	730 mm (28.7 in.)
Ground Clearance	125 mm (4.9 in.)
Dry Weight	670 lb.
Curb Weight	716 lb.
Max Recom Load	N/A
Fuel Tank Capacity	19.0 liter (5.0 gal.)
Tire Size	—Front 130/90-16 67H
	—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 100 mm

Model Identification	
Year & Model	'03 VN1500-R3:VULCAN 1500 DRIFTER
Colors	1. Metallic Ruby Red (468)
VIN Range	JKBVNAR1✓3A008001
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)
Compression Pressure	73 psi at 300 rpm
Spark Plug	STD NGK DPR6EA-9
	OPTION NGK DPR7EA-9
	ND X22EPR-U9
—Gap	0.8 - 0.9 mm
Ignition Timing	—Idle 5° BTDC ("F" mark) at 950 rpm
	—Full 27° @ 3,750 rpm
Pilot Screw	Sealed — not adjustable
Idle Speed	800 ±50 rpm
Engine Oil	SAE SE, SF, or SG 10W40
	—w/Filter Change 3.1 liter
	—No Filter Change 2.9 liter
	—Level On center stand, wait 5 min, middle of window
Chassis	
Fork Oil	SAE 5W20 (Showa SS8)
Capacity	419 cc
Tire Pressure (Cold)	
—Front	2.0 kg/cm ² (29 psi)
—Rear (Normal)	2.5 kg/cm ² (36 psi)
—Rear (Heavy)	2.8 kg/cm ² (41 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