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## General Specifications

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### 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
Ignition Advance	Digital
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
—Level	Level with radiator filler neck

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### 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)	

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### Chassis

Wheelbase	1655 mm (65.2 in.)
Seat Height	720 mm (29.1 in.)
Ground Clearance	135 mm
Dry Weight	743 lb.
Curb Weight	800 lb.
Max Recom Load	408 kg
Fuel Tank Capacity	16.0 liter
Tire Size	—Front 150/80-16 71H
—Rear	150/80-16 71H
Brake Type	—Front Dual Disc
—Rear	Single Disc
Brake Size	—Front 252 mm Effective Diameter
—Rear	292 mm Effective Diameter
Wheel Travel	—Front 150 mm
—Rear	100 mm

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## Model Identification

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Year & Model	'02 VN1500-L3:VULCAN 1500 NOMAD Fi
Colors	① Ebony / Candy Cardinal Red (FK) ② Pearl Burnish Beige / Pearl Luster Beige (Y1)
VIN Range	JKBVNAL1✓2A013001 -
Engine No. Range	VNT50AE000031 — ?
Engine No. Location	RH top crankcase, below carburetor

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## Tuning Specifications

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### 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 CA - 0° @ 1,000 rpm —Full 23° @ 4,500 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

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### Chassis

Fork Oil	SAE 10W20
Capacity	397 cc
Tire Pressure (Cold)	
—Front	2.0 kg/cm <sup>2</sup> (33 psi)
—Rear (Normal)	2.5 kg/cm <sup>2</sup> (36 psi)
—Rear (Heavy)	2.8 kg/cm <sup>2</sup> (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