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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	8.6:1
Carburetor	Keihin CVK40, Constant velocity, Diaphragm-type, K-TRIC
Ignition System	12 V Battery & Coil, Transistorized Breakerless
Ignition Advance	Electronic
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 anti-freeze
—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 —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

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### Chassis

Wheelbase	1,665 mm
Seat Height	720 mm
Ground Clearance	135 mm
Dry Weight	329 kg (US) 329.5 kg (CA)
Curb Weight	347 kg (US) 347.5 kg (CA)
Max Recom Load	N/A
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	286 mm Effective Diameter
Wheel Travel —Front	150 mm
—Rear	100 mm

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## Model Identification

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Year & Model	'99 VN1500-G1A:VULCAN 1500 NOMAD
Colors	① Candy Amaranth Red Mica / Candy Persimmon Red (F5) ② Pearl Boulogne / Candy Arsenate Green (E9)
VIN Range	JKBVNAG1✓XA010001 -
Engine No. Range	VNT50AE000031 — ?
Engine No. Location	RH top crankcase, below carburetor

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## Tuning Specifications

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### Engine

Cylinder Head Torque		In sequence: N/A
0 = Step —Nuts		0.0 mm
Valve Clearance		Automatic lash adjusters (hydraulic)
—Adjustment Method		N/A
Compression Pressure		STD NGK DPRSEA-9, NDX16EPR-U9
Spark Plug		OPTION NGK DPR6EA-9I, NDX20EPR-U9
—Gap		0.8 - 0.9 mm
Ignition Timing —Idle		0° BTDC ("F" mark) at 800 rpm
—Full		N/A
Pilot Screw		Sealed — not adjustable
Idle Speed		800 50 rpm
Engine Oil		SAE SE, SF, or SG 10W40
—w/Filter Change		4.0 liter
—No Filter Change		3.5 liter
—Level		Mcy vertical, wait 5 min, middle of window

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### Chassis

Fork Oil	SAE 10W20
Tire Pressure (Cold)	
—Front	2.25 kg/cm <sup>2</sup>
—Rear (Normal)	2.80 kg/cm <sup>2</sup> (0-97.5 kg)
—Rear (Heavy)	2.25 kg/cm <sup>2</sup> (97.5-180 kg)
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