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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
Maximum HP	72 at 4,500 rpm
Maximum Torque	12.6 kg-m AT 3,000 rpm
Carburetor	Keihin CVK36 (2), Constant velocity, Diaphragm-type
Ignition System	12 V Battery & Coil, Transistorized Breakerless
Ignition Advance	Electronic
Crankshaft Rotation	Clockwise from RH side
Firing Interval/Order	55°
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	4-speed, Constant mesh, Return shift
Shift Pattern(Bottom up)	1-N-2-3-4 (w/Neutral Finder)
Gear Ratios	—1st 2.20 (40/16)
—2nd	1.59 (35/22)
—3rd	1.19 (31/26)
—4th	0.96 (28/29)
Primary Ratio	1.52 (85/56)
Final Ratio	2.62 (15/21 x 33/9)
Overall Ratio (Top Gear)	3.84

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### Chassis

Wheelbase	2390 mm
Seat Height	720 mm
Ground Clearance	150 mm
Dry Weight	252 kg (US) 252.5 kg (CA)
Curb Weight	275 kg (US) 275.5 kg (CA)
Max Recom Load	180 kg
Fuel Tank Capacity	12.0 liter
Tire Size	—Front 100/90-19 57H 4PR Tubeless
—Rear	150/90-15 74H Tubeless
Brake Type	—Front Single Disc
—Rear	Single Disc
Brake Size	—Front 226 mm Effective Diameter
—Rear	236 mm Effective Diameter
Wheel Travel	—Front 150 mm
—Rear	100 mm

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## Model Identification

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Year & Model	'96 VN1500-A10:VULCAN 1500
Colors	① Candy Cardinal Red / Cosmic Splendor Red ② Metallic Nocturn Blue / Galaxy Silver
VIN Range	JKBVNAA1✓TA040001 - 060000
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				
0 = Step	—Nuts	In sequence:	① 10 mm 4.0 kg/m	② 8 mm 2.4 kg-m
			③ Warm up	④ Retorque cold
Valve Clearance	0.0 mm			
—Adjustment Method	Automatic lash adjusters (hydraulic)			
Compression Pressure	13.0 kg/m <sup>2</sup> at 300 rpm			
Spark Plug	NGK DP7EA-9 or ND X22 (USA,CA) NGK DP8/6EA-9 or ND X22EPR-U9 (Canada)			
—Gap	0.8 - 0.9 mm			
Ignition Timing	—Idle 5° BTDC ("F" mark) at 800 rpm			
—Full	25° BTDC (in double marks) at 3,500 rpm			
Pilot Screw	Sealed — not adjustable			
Idle Speed	800 ± 50 rpm			
Engine Oil	SE Class SAE 10W40, 10W50, 20W40, 20W50			
—w/Filter Change	4.0 liter			
—No Filter Change	3.5 liter			
—Level	On center stand, wait 5 min, middle of window			

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### Chassis

Fork Oil	SAE 5W20
—Capacity	368.5-373.5 cc dry
—Level	230 ± 2 mm (fork extended spring removed)
Fork Air Pressure (Cold)	0.0 kg/cm <sup>2</sup> , max 2.5 kg/cm <sup>2</sup>
Tire Pressure (Cold)	
—Front	2.0 kg/cm <sup>2</sup>
—Rear (Normal)	2.0 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