
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	8.6:1
Carburetor	Keihin CVK40, Constant velocity, Diaphragm-type
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 antifreeze
—Capacity	2.3 liter
—Level	Level with radiator filler neck

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	2.50 (40/16)
—2nd	1.375 (33/24)
—3rd	1.035 (29/28)
—4th	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	1660 mm
Seat Height	700 mm
Ground Clearance	125 mm
Dry Weight	292 kg (US) 292.5 kg (CA)
Curb Weight	310 kg (US) 310.5 kg (CA)
Max Recom Load	180 kg
Fuel Tank Capacity	16.0 liter
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	236 mm Effective Diameter
Wheel Travel —Front	150 mm
—Rear	87 mm

Model Identification

Year & Model	'97 VN1500-D2:VULCAN 1500 CLASSIC
Colors	① Candy Cardinal Red (L1) ② Pearl Boulogne/Pearl Alpine White (2S)
VIN Range	JKBVNAD1✓VA060001 -
Engine No. Range	VNT50AE000031 — ?
Engine No. Location	RH top crankcase, below carburetor

Tuning Specifications

Engine

Cylinder Head Torque			
0 = Step —Nuts	In sequence: ① 10 mm	② 8 mm	
	4.0 kg/m	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 ² at 300 rpm		
Spark Plug	STD NGK DPR7EA-9		
	OPTION NGK DPR8EA-9		
	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	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	On center stand, wait 5 min, middle of window		

Chassis

Fork Oil	SAE 5W20
Tire Pressure (Cold)	
—Front	2.0 kg/cm ²
—Rear (Normal)	2.0 kg/cm ² (0-97.5 kg)
—Rear (Heavy)	2.25 kg/cm ² (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