
General Specifications

Engine

Engine Type	4-stroke, V-type, 2-cylinder, SOHC, Liquid cooled, 8-valve, Counterbalancer
Displacement	1552 cc
Bore x Stroke	102.0 x 90.0 mm
Compression Ratio	9.0:1
Fuel Injection	Digital Fuel Injection 36 x 2
Ignition System	TCBI with Digital Advance
Lubrication System	Forced Wet Sump
Crankshaft Rotation	Clockwise from RH side
Firing Interval/Order	1/2
Cylinder Material	Aluminum alloy with ferrous sleeves
Fuel	Min 95 Research/90 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	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)	

Chassis

Wheelbase	66.1 in.
Seat Height	27.4 in.
Ground Clearance	4.9 in.
Dry Weight	675 lb.
Curb Weight	Front 344 lb. Rear 399 lb.
Fuel Tank Capacity	5.3 gal.
Rake Angle	32°
Tire Size	—Front 130/90-16 67H —Rear 170/70-16 75H
Brake Type	—Front Dual Disc —Rear Single Disc
Brake Size	—Front 272 mm Effective Diameter —Rear 272 mm Effective Diameter
Wheel Travel	—Front 150 mm —Rear 95 mm

Model Identification

Year & Model	'03 VN1600-A1:VULCAN 1600 CLASSIC
Colors	① Metallic Canyon Silver (GA) ② Metallic Dark Bronze (1Z) ③ Metallic Ruby Red (468)
VIN Range	JKBVNKA1✓3A000001 -
Engine No. Range	VNT60AE000001 —
Engine No. Location	RH top crankcase

Tuning Specifications

Engine

Valve Clearance	N/A
—Adjustment Method	HLA
Spark Plug	STD NGK DPR6EA-9, ND NDX20EPR-9
—Gap	0.8 - 0.9 mm
Ignition Timing	—Full 25° @ 4,500 rpm
Idle Speed	950 ±50 rpm
Engine Oil	API SE, SF, or SG (SH or SJ with JASO MA)
—Capacity	3.5 liter
—Level	On center stand, wait 5 min, middle of window

Chassis

Fork Oil	KAYABA 610 SAE 10W
Capacity	526-534 cc
Tire Pressure (Cold)	
—Front	29 psi
—Rear (Normal)	36 psi
Final Gear Case Oil	
— Above 5°C	SAE 90
— Below 5°C	SAE 80
— Capacity	0.2 liter
— Level	Mcy vertical, to bottom thread of filler cap hole

Electrical

Battery	12V18AH
Headlight	12V, 60/55W
Tail/Stoplight	12V, 5/21W x 2