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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	1552 cc
Bore x Stroke	102.0 x 95.0 mm
Compression Ratio	9.0:1
Fuel Injection	Digital Fuel Injection 40x2
Ignition System	TCBI w/ 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

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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	1.75 (35/20)
—2nd	1.33 (32/24)
—3rd	1.074 (29/27)
—4th	0.867 (26/30)
—5th	1.517 (85/56)
Primary Ratio	2.62 (15/21 x 33/9)
Final Ratio	3.445
Overall Ratio (Top Gear)	

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### Chassis

Wheelbase	1705mm (67.1 in.)
Seat Height	700 mm (27.6 in.)
Ground Clearance	125mm (4.9 in.)
Dry Weight	350 kg (772 lb.)
Curb Weight	N/A
Fuel Tank Capacity	17 L (4.5 gal.)
Rake Angle	32°
Tire Size	—Front 130/70-R17
—Rear	170/60-R17
Brake Type	—Front Dual Disc
—Rear	Single Disc
Brake Size	—Front 288 mm Effective Diameter
—Rear	272 mm Effective Diameter
Wheel Travel	—Front 150 mm (5.9 in.)
—Rear	87 mm (3.4 in.)

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## Model Identification

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Year & Model	'05 VN1600-D1:VULCAN 1600 NOMAD
Colors	1. Galaxy Silver Type 2/Ebony (686) 2. Metallic Ocean Blue/Metallic Phantom Silver (728)
VIN Range	JKBVNKD1✓5A000001 -
Engine No. Range	VNT60AE000001 —
Engine No. Location	RH top crankcase

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## Tuning Specifications

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### Engine

Valve Clearance	N/A
—Adjustment Method	Automatic lash adjusters (hydraulic)
Compression Pressure	73 psi
Spark Plug	STD NGK DPR6EA-9, ND NDX20EPR-9
—Gap	0.8 - 0.9 mm
Ignition Timing	—Idle 5° BTDC ("F" mark) at 950 rpm
—Full	25° BTDC ("F" mark) at 4,500 rpm
Idle Speed	800 ±50 rpm
Engine Oil	API SE, SF, or SG (SH or SJ with JASO MA) 10W40
—Capacity	3.5 L (3.7 qt.)
—Level	On center stand, wait 5 min, middle of window

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### Chassis

Fork Oil	SAE 10W20 Showa SS9
Capacity	Left 600 cc; Right 506 cc
Tire Pressure (Cold)	—Front 36 psi
—Rear (Normal)	36 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

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### Electrical

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