
General Specifications

Engine

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|-----------------------|---|
| 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 |
| Carburetor | Fuel Injection (36x2 Throttle Bore) |
| Ignition System | TCBI |
| Ignition Advance | Digital |
| 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

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|--------------|--------------------------------------|
| Clutch Type | Wet, Multi-disc, Manual |
| Transmission | 5-speed, Constant mesh, Return shift |

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|--------------------------|--------------------------------|
| 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

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|--------------------|----------------------------------|
| Wheelbase | 1655 mm (65.2 in.) |
| Seat Height | 720 mm (29.1 in.) |
| Ground Clearance | 135 mm |
| Dry Weight | 335 kg |
| Curb Weight | 359 kg (US), 359.5 kg (CA) |
| Max Recom Load | 408 kg |
| 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 | 292 mm Effective Diameter |
| Wheel Travel | —Front 150 mm |
| —Rear | 100 mm |

Model Identification

| | |
|---------------------|---|
| Year & Model | '00 VN1500-L1:VULCAN 1500 NOMAD F.I. |
| Colors | ① Candy Cardinal Red / Pearl Gentry Gray (C3) ② Pearl Purplish Black Mica (20) |
| VIN Range | JKBVNAL1YA000001 - |
| Engine No. Range | VNT50AE000031 — ? |
| Engine No. Location | RH top crankcase, below carburetor |

Tuning Specifications

Engine

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|----------------------|---|
| Valve Clearance | 0.0 mm |
| —Adjustment Method | Automatic lash adjusters (hydraulic) |
| Compression Pressure | 73 psi at 300 rpm |
| Spark Plug | STD NGK DPR6EA-9 |
| | OPTION NGK DPR7EA-9 |
| | ND X22EPR-U9 |
| —Gap | 0.8 - 0.9 mm |
| Ignition Timing | —Idle 5° BTDC ("F" mark) at 950 rpm |
| —Full | 23° @ 4,500 rpm |
| Pilot Screw | Sealed — not adjustable |
| Idle Speed | 800 ±50 rpm |
| Engine Oil | SAE SE, SF, or SG 10W40 |
| —w/Filter Change | 3.1 liter |
| —No Filter Change | 2.9 liter |
| —Level | On center stand, wait 5 min, middle of window |

Chassis

| | |
|----------------------|---|
| Fork Oil | SAE 10W20 |
| Capacity | 397 cc |
| Tire Pressure (Cold) | |
| —Front | 2.0 kg/cm ² |
| —Rear (Normal) | 2.5 kg/cm ² (36 psi) |
| —Rear (Heavy) | 2.8 kg/cm ² (41 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 |