

General Specifications

Engine	
Engine Type	4-stroke, 4-cylinder, DOHC, Liquid cooled, 16-Valve
Displacement	997 cc
Bore x Stroke	74.0 x 58.0 mm
Compression Ratio	10.2:1
Carburetor	Keihin CVK32 (4) Constant velocity, Diaphragm-type
Ignition System	12 V Battery & Coil, Transistorized Breakerless
Ignition Advance	Electronic
Crankshaft Rotation	Clockwise from RH side
Cylinder Number Method	Left to Right: 1-2-3-4
Firing Interval/Order	180° /1-2-4-3
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	3.1 L
—Level	Level with radiator filler neck.

Transmission	
Clutch Type	Wet, Multi-disc, Manual
Transmission	6-speed, Constant mesh, Return shift
Shift Pattern(Bottom up)	1-N-2-3-4-5-6 (w/Neutral Finder)
Gear Ratios —1st	3.17 (43/14)
—2nd	2.06 (37/18)
—3rd	1.59 (35/22)
—4th	1.33 (32/24)
—5th	1.15 (30/26)
—6th	0.97 (28/29)
Primary Ratio	1.73 (97/56)
Final Ratio	2.71 (16/21x32/9)
Overall Ratio (Top Gear)	4.53

Chassis	
Wheelbase	1,555 mm
Seat Height	790 mm
Ground Clearance	130 mm
Dry Weight	270 kg (US,CN) 270.5 kg (CA)
Curb Weight	307 kg (US,CN) 307.5 kg (CA)
Max Recom Load	200 kg
Fuel Tank Capacity	28.5 L
Tire Size —Front	120/70 UR18 Tubeless
—Rear	150/80 UR16 Tubeless
Brake Type —Front	Dual Hydraulic Disc
—Rear	Single Hydraulic Disc
Brake Size —Front	236 mm Effective Diameter
—Rear	246 mm Effective Diameter
Wheel Travel —Front	140 mm
—Rear	140 mm

Model Identification

Year & Model	'05 ZG1000-A20:CONCOURS
Color	① KMM. Pearl Luster Beige (IR)
VIN Range	JKAZGCA1✓5B521300
Engine No. Range	ZGT00AE012201 —
Engine No. Location	RH top crankcase, below carburetor

Tuning Specifications

Engine	
Valve Clearance (Cold)	Intake: 0.13-0.18 mm Exhaust: 0.18-0.23 mm
—Adjustment Method	Rocker arm screw
Compression Pressure	182 psi
Spark Plug	NGK D8EA or ND X24ES-U (USA) NGK DR8ES-L or ND X24ESR-U (Canada)
—Gap	.6-.7 mm
Ignition Timing —Idle	10.0° BTDC ("F" mark) at 1,000 rpm (US, CN) 10.0° BTDC ("F" mark) at 1,200 rpm (CA)
—Full	35° BTDC (in double marks) at 3,500 rpm
Pilot Screw	Sealed—not adjustable
Idle Speed	1000 ±50 rpm (US,CN) 1200 ±50 rpm (CA)
Engine Oil	SE Class SAE 10W40, 10W50, 20W40, 20W50
—w/Filter Change	3.7 L
—No Filter Change	3.5 L
—Level	On center stand, wait 5 min, middle of window
—Pressure (Hot)	2.0-2.5 kg/cm ² at 4,000 rpm, 90°

Chassis	
Fork Oil	SAE 10W20
—Capacity	282-298 cc, each
Fork Air Pressure (Cold)	0.0 kg/cm ² , max 2.5 kg/cm ²
Rear Suspension Pressure	0.0 kg/cm ² , max 2.5 kg/cm ²
Tire Pressure (Cold)	
—Front	36 psi
—Rear	42 psi
Final Gear Case Oil	
—Above 5°C	API GL-5 SAE90
—Below 5°C	API GL-5 SAE80
—Capacity	0.22 L
—Level	Mcy vertical, to bottom of filler cap hole