

General Specifications	
Engine	
Engine Type	4-stroke, 4-cylinder, DOHC, Liquid cooled, 16-Valve
Displacement	1164 cc
Bore x Stroke	79.0 x 59.4 mm
Compression Ratio	10.1:1
Carburetor	Keihin CVK36(4) Constant velocity, Diaphragm-type
Ignition System	TCBI w/Digital Advance and K-Tric
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	3.0 liter (3.2 qt.)
—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	—1st 2.73 (41/15)
—2nd	1.95 (37/19)
—3rd	1.48 (34/23)
—4th	1.19 (31/26)
—5th	1.04 (29/28)
Primary Ratio	1.64 (95/58)
Final Ratio	2.47 (42/17)
Overall Ratio (Top Gear)	4.19
Chassis	
Wheelbase	1,465 mm (57.7 in.)
Seat Height	780 mm (30.7 in.)
Ground Clearance	135 mm (5.3 in.)
Dry Weight	224 kg (494 lbs.)
Curb Weight	247 kg (544.5 lbs.)
Load Capacity	179 kg (396 lbs.)
Fuel Tank Capacity	19 liter (5.0 gal.)
Tire Size	—Front 120/70-ZR17 Tubeless
—Rear	180/55-ZR17 Tubeless
Brake Type	—Front Dual Hydraulic Disc
—Rear	Single Hydraulic Disc
Brake Size	—Front 283 mm Effective Diameter
—Rear	217 mm Effective Diameter
Wheel Travel	—Front 120 mm
—Rear	123 mm

Model Identification	
Year & Model	'05 ZR1200-A5:ZRX1200R
Color	1. Candy Lime Green (8N)
VIN Range	JKAZR9A1✓5A039001
Engine No. Range	ZRT20AE000001 —
Engine No. Location	RH top crankcase, below carburetor
Tuning Specifications	
Engine	
Valve Clearance	(Cold) Intake: 0.13-0.19 mm
—Adjustment Method	Exhaust: 0.18-0.24 mm
Compression Pressure	Slide rocker/shim
Spark Plug	189 psi
—Gap	NGK CR9EK or ND U27ETR (USA)
Ignition Timing	—Idle 10° BTDC (“F” mark) at 1,100 rpm (US, CN)
—Full	10° BTDC (“F” mark) at 1,200 rpm (CA)
Pilot Screw	32.5° BTDC (in double marks) at 4,600 rpm
Idle Speed	Sealed—not adjustable
Engine Oil	1100 ±50 rpm (US,CN)
—w/Filter Change	1200 ±50 rpm (CA)
—No Filter Change	SAE SE, SF, SG, SH or SJ w/JASO MA 10W40
	3.0 liter
	2.7 liter
Chassis	
Fork Oil	SAE 10W
—Capacity	466-474 cc, each
Tire Pressure (Cold)	
—Front	2.5 kg/cm ² 36 psi
—Rear	2.5 kg/cm ² 36 psi
Drive Chain Slack	30-40 mm (bike unweighted, tightest point, STD)