

General Specifications	
Engine	
Engine Type	4-stroke, 4-cylinder, DOHC, Liquid cooled, 16-Valve
Displacement	599 cc
Bore x Stroke	67.0 x 42.5 mm
Compression Ratio	13.5:1
Carburetor	EFI w/Keihin 38mm Throttle Bodies
Ignition System	Battery & Coil, TCBI w/Digital Advance
Crankshaft Rotation	Clockwise from ignition (RH side)
Cylinder Number Method	Left to Right: 1-2-3-4
Firing Order	1-2-4-3
Fuel	Min 91 Research/87 Avg. Oct. Unleaded OK
Coolant	50% distilled water /50% ethylene glycol base antifreeze.
— Capacity	2.4 L
— Level	Reserve tank between lines
Transmission	
Clutch Type	Wet, Multi-disc
Transmission	6-speed, Return shift
Gear Ratios	— 1st 2.714 (38/14)
	— 2nd 2.06 (37/18)
	— 3rd 1.72 (31/18)
	— 4th 1.5 (33/22)
	— 5th 1.353 (28/21)
	— 6th 1.227 (27/22)
Primary Ratio	2.02 (89/44)
Final Ratio	2.66 (40/15)
Overall Ratio (Top Gear)	6.619
Chassis	
Wheelbase	1,400 mm (55.1 in.)
Seat Height	825 mm (32.5 in.)
Ground Clearance	130 mm (5.1 in.)
Dry Weight	161 kg (355 lb.)
Curb Weight	Front 95 kg (210 lb.)
	Rear 93 kg (205 lb.)
Fuel Tank Capacity	18.0 liter (4.8 gal.)
Tire Size	— Front 120/65 ZR17
	— Rear 180/55 ZR17
Brake Type	— Front Dual Disc
	— Rear Single Disc
Brake Size	— Front 248 mm Effective Diameter
	— Rear 184 mm Effective Diameter
Wheel Travel	— Front 120 mm (4.7 in.)
	— Rear 135 mm (5.3 in.)

Model Identification	
Year & Model	'04 ZX600-M1:NINJA ZX-6RR
Color	1. Lime Green (7F)
VIN Range	JKAZX4M1✓ 4A000001 ~
Engine No. Range	ZX600KE000001 —
Engine No. Location	RH top crankcase
Tuning Specifications	
Engine	
Valve Clearance (Cold)	Intake: 0.11 - 0.19mm
	Exhaust: 0.20 - 0.31mm
— Adjustment Method	Shim Under Bucket
Compression Pressure	167-239 psi @ 350 rpm
Spark Plug	CR9E
— Gap	0.7 - 0.8mm
Ignition Timing	— Idle 12.5° at 1,300 rpm
	— Full 35° at 4,600 rpm
Idle Speed	1300 ±50 rpm
Engine Oil	API SE, SF, SG/SH or SJ with JASO MA SAE 10W40
— Capacity	4.0 liter (4.2 qt.)
— Level	Motorcycle level, middle of window
Chassis	
Fork Oil	KHL 15-10 SAE OW
	— Capacity 456-464cc
Tire Pressure (Cold)	
	— Front 36 psi
	— Rear 42 psi