

General Specifications	
Engine	
Engine Type	4-stroke, 4-cylinder, DOHC, Liquid cooled, 16-Valve
Displacement	1,199 cc
Bore x Stroke	83.0 x 55.4 mm
Compression Ratio	12.2:1
Fuel Injection	Denso Digital Fuel Injection 46 x 4
Ignition System	12 V Battery & Coil, Transistorized Breakerless
Cylinder Number Method	Left to Right: 1-2-3-4
Firing Interval/Order	180° /1-2-4-3
Cylinder Material	Aluminum alloy with electroplated cylinders
Lubrication System	Forced Sump
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 2.43 (34/14)
—2nd	1.82 (31/17)
—3rd	1.44 (36/25)
—4th	1.25 (30/24)
—5th	1.13 (26/23)
—6th	1.03 (31/30)
Primary Ratio	1.60 (83/52)
Final Ratio	2.56 (46/18)
Overall Ratio (Top Gear)	4.21
Chassis	
Wheelbase	1,450mm (57.1 in.)
Seat Height	820mm (32.1 in.)
Ground Clearance	120mm (4.7 in.)
Dry Weight	210 kg (463 lb.)
Curb Weight	Front: 125 kg (275.6 lb.)
	Rear: 121 kg (266.7 lb.)
Max Recom Load	N/A
Fuel Tank Capacity	19 L (5.0 gal.)
Tire Size	—Front 120/70ZR17 Tubeless
—Rear	200/50/R17 Tubeless
Brake Type	—Front Dual Hydraulic Disc
—Rear	Single Hydraulic Disc
Brake Size	—Front 268 mm
—Rear	197 mm
Wheel Travel	—Front 120 mm
—Rear	140 mm

Model Identification	
Year & Model	'03 ZX1200-B2:NINJA (ZX-12R)
Color	① Cosmic Splendor Red (ED)
	② Lime Green (7F)
	③ Moonlight Silver (473)
VIN Range	JKAZX9B1 ✓3A008001 —
Engine No. Range	ZXT20AE000001—
Tuning Specifications	
Engine	
Valve Clearance (Cold)	Intake: 0.03-0.11 mm
	Exhaust: 0.09-0.17 mm
—Adjustment Method	Shim under bucket
Compression Pressure	213 psi
Fuel	Min 95 Research/90 Avg. Oct. Unleaded OK
Spark Plug	NGK CR9E KPA
—Gap	.7-.9 mm
Ignition Timing—Idle	10° BTDC @ 1000 rpm
Idle Speed	1000 ± 50 rpm (US,CN)
Engine Oil	SAE 10W40 API SE, SF or SG (or SH, SJ with JASO MA)
	—w/Filter Change 2.8 L (3.0 qt.)
	—No Filter Change 2.5 L (2.6 qt.)
	—Level On center stand, wait 5 min, middle of window
Coolant	50% distilled water /50% ethylene glycol
	base antifreeze.
	—Capacity 3.6 L (3.8 US qt.)
	—Level Level with radiator filler neck.
Chassis	
Fork Oil	Kayaba 01 (SAE 5W)
	—Capacity 490 ± 4 ml
Tire Pressure (Cold)	
—Front	2.90 kg/cm ² (41 psi)
—Rear	2.90 kg/cm ² (41 psi)
Electrical	
Battery	12V 12AH
Headlight	12V 60/55W x 2
Taillight/Stoplight	12V 5/21W x 2

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—5th	1.13 (26/23)
—6th	1.03 (31/30)
Primary Ratio	1.60 (83/52)
Final Ratio	2.56 (46/18)
Overall Ratio (Top Gear)	4.21
Chassis	
Wheelbase	57.1 in.
Seat Height	32.1 in.
Ground Clearance	4.7 in.
Dry Weight	463 lb.
Curb Weight	Front 275.6 lb. Rear 266.7 lb.
Max Recom Load	N/A
Fuel Tank Capacity	5.0 gal.
Tire Size	—Front 120/70ZR17 Tubeless
—Rear	200/50/R17 Tubeless
Brake Type	—Front Dual Hydraulic Disc
—Rear	Single Hydraulic Disc
Brake Size	—Front 320 mm Effective Diameter
—Rear	230 mm Effective Diameter
Wheel Travel	—Front 120 mm
—Rear	140 mm

Model Identification	
Year & Model	'02 ZX1200-B1:NINJA (ZX-12R)
Color	① Candy Thunder Blue (235) ② Passion Red (234) ③ Pearl Mystic Black (218)
VIN Range	JKAZX9B1 ✓2A000001 —
Engine No. Range	ZXT20AE000001—
Tuning Specifications	
Engine	
Valve Clearance (Cold)	Intake: 0.03-0.11 mm Exhaust: 0.09-0.17 mm
—Adjustment Method	Shim under bucket
Compression Pressure	213 psi
Fuel	Min 95 Research/90 Avg. Oct. Unleaded OK
Spark Plug	NGK CR9E KPA
—Gap	.7-.9 mm
Ignition Timing—Idle	10° BTDC @ 1000 rpm
Idle Speed	1000 ± 50 rpm (US,CN)
Engine Oil	SAE 10W40 API SE, SF or SG (or SH, SJ with JASO MA)
—w/Filter Change	2.8 L (3.0 qt.)
—No Filter Change	2.5 L (2.6 qt.)
—Level	On center stand, wait 5 min, middle of window
Coolant	50% distilled water /50% ethylene glycol base antifreeze.
—Capacity	3.6 L (3.8 US qt.)
—Level	Level with radiator filler neck.
Chassis	
Fork Oil	Kayaba 01 (SAE 5W)
—Capacity	490 ± 4 ml
Tire Pressure (Cold)	—Front 2.90 kg/cm ² (41 psi)
—Rear	2.90 kg/cm ² (41 psi)
Electrical	
Battery	12V 12AH
Headlight	12V 60/55W x 2
Taillight/Stoplight	12V 5/21W x 2