
General Specifications

Engine

Engine Type	4-stroke, 4-cylinder, DOHC, Liquid cooled, 16-Valve
Displacement	636 cc
Bore x Stroke	68.0 x 43.8 mm
Compression Ratio	12.9:1
Carburetor	DFI w/Keihin 38mm Throttle Bodies
Ignition System	Battery & Coil, TCBI w/Digital Advance
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	N/A
— Level	N/A

Transmission

Clutch Type	Wet, Multi-disc
Transmission	6-speed, Return shift
Gear Ratios	— 1st 2.92 (38/13)
— 2nd	2.06 (37/18)
— 3rd	1.66 (33/21)
— 4th	1.45 (29/20)
— 5th	1.27 (28/22)
— 6th	1.15 (30/26)
Primary Ratio	1.891 (87/46)
Final Ratio	2.865 (43/15)
Overall Ratio (Top Gear)	6.255

Chassis

Wheelbase	1,370 mm (54.7 in.)
Seat Height	820 mm (32.3 in.)
Ground Clearance	120 mm (4.7 in.)
Dry Weight	164 kg (362 lb.)
Curb Weight	Front 95 kg (210 lb.) Rear 97 kg (214 lb.)
Fuel Tank Capacity	17.0 liter (4.5 gal.)
Tire Size	— Front 120/65 ZR17
— Rear	180/55 ZR17
Brake Type	— Front Dual Hydraulic Disc
— Rear	Single Hydraulic Disc
Brake Size	— Front 268 mm Effective Diameter
— Rear	184 mm Effective Diameter
Wheel Travel	— Front 120 mm
— Rear	135 mm

Model Identification

Year & Model	'05 ZX636-C1:NINJA ZX-6R
Color	1. Candy Plasma Blue (723) 2. Lime Green (777) 3. Metallic Flat Raw Titanium (725) 4. Pearl Magma Red(724)
VIN Range	JKBZXJC1✓5A000001 ~
Engine No. Range	ZX636CE000001 —
Engine No. Location	FR top crankcase

Tuning Specifications

Engine

Valve Clearance (Cold)	Intake: 0.11-0.19 mm Exhaust: 0.22-0.31 mm
— Adjustment Method	Shim under bucket
Compression Pressure	225 psi
Spark Plug	NGK CR9E
— Gap	0.7-0.8 mm
Ignition Timing	— Idle 12.5° BTDC at 1,300 rpm (US)
— Full	35° at 4,600 rpm
Idle Speed	1300 rpm ±50
Engine Oil	API SE, SF, SG/SH or SJ with JASO MA SAE 10W40
— Capacity	4.0 liter (4.2 qt.)
— Level	On center stand, wait 5 min., middle of window

Chassis

Fork Oil	Showa SS05 SW
— Capacity	426 cc
Tire Pressure (Cold)	— Front 36 psi
— Rear	42 psi