
General Specifications

Engine

Engine Type	4-stroke, 4-cylinder, DOHC, Liquid cooled, 16-Valve
Displacement	1.352 cc
Bore x Stroke	84.0 x 61.0 mm
Compression Ratio	12.0:1
Fuel Injection	Denso Digital Fuel Injection 44 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	2.625 (42/16)
— 2nd	1.947 (37/19)
— 3rd	1.545 (34/22)
— 4th	1.333 (32/24)
— 5th	1.154 (30/26)
— 6th	1.036 (29/28)
Primary Ratio	1.541 (94/61)
Final Ratio	2.412 (41/17)
Overall Ratio (Top Gear)	3.849

Chassis

Wheelbase	1,460 mm (57.5 in.)
Seat Height	800 mm (31.5 in.)
Ground Clearance	125 mm (4.9 in.)
Dry Weight	215 kg (474 lb.)
Curb Weight	Front: 125 kg (275.6 lb.) Rear: 127 kg (279.9 lb.)
Max Recom Load	180 kg (397 lb.)
Fuel Tank Capacity	22 liter (5.8 gal.)
Tire Size — Front	120/70 ZR17 Tubeless
— Rear	190/50 ZR17 Tubeless
Brake Type — Front	Dual Hydraulic Disc
— Rear	Single Hydraulic Disc
Brake Size — Front	278 mm Effective Diameter
— Rear	217 mm Effective Diameter
Wheel Travel — Front	117 mm (4.6 in.)
— Rear	122 mm (4.8 in.)

Model Identification

Year & Model	'07 ZX1400A7F:NINJA ZX-14
Color	1. Atomic Silver (17M) 2. Candy Plasma Blue (723) 3. New Metallic Black (17K)
VIN Range	JKBZXNA1✓7A015001
Engine No. Range	ZXT40AE000001 —
Engine No. Location	Upper crankcase, right side

Tuning Specifications

Engine

Valve Clearance (Cold)	Intake: 0.15-0.20mm (0.0059-0.0079 in.) Exhaust: 0.22-0.27mm (0.0057-0.0106 in.)
— Adjustment Method	Shim under bucket
Compression Pressure	213 psi
Fuel	Min 95 Research/90 Avg. Oct. Unleaded OK
Spark Plug	NGK CR9E 1A9
— Gap	0.8-0.9mm (0.031-0.035 in.)
Ignition Timing— Idle	10° BTDC at 1,100 rpm
Idle Speed	1000 ± 50 rpm
Engine Oil	SAE 10W40 API SE, SF or SG (or SH, SJ OR SL with JASO MA)
— w/Filter Change	4.0 liter (4.2 qt.)
— No Filter Change	3.7 liter (3.9 qt.)
— Level	On center stand, wait 5 min., middle of window
Coolant	50% distilled water / 50% ethylene glycol base antifreeze
— Capacity	3.4 liter (3.6 US qt.)
— Level	Level with radiator filler neck

Chassis

Fork Oil	KHL 15-10 (SAE 0W)
— Capacity	559-567 cc
Tire Pressure (Cold)	
— Front	290 kg/cm ² (42 psi)
— Rear	290 kg/cm ² (42 psi)

Electrical

Battery	12V 14AH
Headlight	12V 55/65W x 2
	12V 55W (Hi - Low) x 2
Taillight/Stoplight	12V .5/4.9W x 2
