
General Specifications

Engine

Engine Type	4-stroke, 4-cylinder, DOHC, Liquid cooled, 16-Valve
Displacement	953 cc
Bore x Stroke	77.2 x 50.9 mm
Compression Ratio	11.2:1
Carburetor	EFI Keihin 38mm Throttle Bodies x 4
Ignition System	TCBI, 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	2.9 liter

Transmission

Clutch Type	Wet, Multi-disc
Transmission	6-speed, Return shift
Shift Pattern(Bottom up)	1-N-2-3-4-5-6 (w/Neutral Finder)
Gear Ratios	—1st 2.571 (36/14)
—2nd	1.941 (33/17)
—3rd	1.556 (28/18)
—4th	1.333 (28/21)
—5th	1.200 (33/27)
—6th	1.095 (23/21)
Primary Ratio	1.714 (84/49)
Overall Ratio (Top Gear)	4.929

Chassis

Wheelbase	1,420 mm (55.9 in.)
Seat Height	820 mm (32.3 in.)
Ground Clearance	145 mm (5.7 in.)
Dry Weight	198 kg (437 lbs.)
Curb Weight	Front 110 kg (243 lbs.) Rear 111 kg (245 lbs.)
Fuel Tank Capacity	18 L (4.8 gal.)
Tire Size	—Front 120/70 ZR17 —Rear 190/50 ZR17
Brake Type	—Front Dual Hydraulic Disc —Rear Single Hydraulic Disc
Brake Size	—Front 267 mm Effective Diameter —Rear 184 mm Effective Diameter
Wheel Travel	—Front 120 mm —Rear 138 mm

Model Identification

Year & Model	'03 ZR1000-A1: Z1000
Colors	① Black Pearl (B5) ② Lime Green (7F) ③ Pearl Blazing Orange (470)
VIN Range	JKAZRCA1 ✓ 3A000001 ~
Engine No. Range	ZRT00AE000001 —
Engine No. Location	RH top crankcase, below carburetor

Tuning Specifications

Engine

Valve Clearance (cold)	Intake: 0.15-0.24 mm Exhaust: 0.22-0.31 mm
—Adjustment Method	Shim under bucket
Compression Pressure	220 psi
Spark Plug	NGK CR9EK or ND U24ETR
—Gap	0.7-0.8 mm
Ignition Timing	—Idle 10° BTDC @ 1,100 rpm —Full 36° BTDC @ 7,500 rpm
Idle Speed	1100 rpm ±50
Engine Oil	API SG, SE or SF Class SAE 10W40 or SH or SJ of JASO MA Class
—w/Filter Change	3.8 liter
—Level	On center stand, wait 5 min., middle of window

Chassis

Fork Oil	SHOWA SS8 SAE 10W20
—Capacity	LEFT 455 cc RIGHT 432 cc
Tire Pressure (Cold)	—Front 36 psi —Rear 42 psi
Drive Chain Slack	20-30 mm