
General Specifications

Engine

Engine Type	4-stroke, 4-cylinder, DOHC, Liquid cooled
Displacement	998 cc
Bore x Stroke	69.4 x 66.0 mm
Compression Ratio	9.2:1
Carburetor	Mikuni BS34 (4) Constant velocity, Diaphragm-type
Ignition System	12 V Battery & Coil, Transistorized Breakerless
Ignition Advance	Mechanical (Centrifugal)
Crankshaft Rotation	Clockwise from ignition (RH) side
Cylinder Number Method	Left to Right: 1-2-3-4
Firing Interval/Order	180 /1-2-4-3
Cylinder Material	Aluminum alloy with ferrous sleeves
Fuel	Min 91 Research/87 Avg. Oct. Unleaded OK

Transmission

Clutch Type	Wet, Multi-disc, Manual
Transmission	5-speed, Constant mesh, Return shift
Shift Pattern(Bottom up)	1-N-2-3-4-5 (w/Neutral Finder)
Gear Ratios	—1st 2.64 (37/14)
—2nd	1.83 (33/18)
—3rd	1.42 (27/19)
—4th	1.17 (27/23)
—5th	1.04 (26/25)
Primary Ratio	1.73 (97/56)
Final Ratio	2.70 (46/175)
Overall Ratio (Top Gear)	4.87

Chassis

Wheelbase	1,535 mm
Seat Height	780 mm
Ground Clearance	160 mm
Dry Weight	270 kg
Curb Weight	308 kg
Max Recom Load	159 kg
Fuel Tank Capacity	15.0 liter
Tire Size	—Front MN90-18 4PR Tubeless
—Rear	MR90-18 4PR Tubeless
Brake Type	—Front Dual Hydraulic Disc
—Rear	Single Hydraulic Disc
Brake Size	—Front 272 mm Effective Diameter
—Rear	236 mm Effective Diameter
Wheel Travel	—Front 160 mm
—Rear	130 mm

Model Identification

Year & Model	'05 KZ1000-P24:POLICE
Color	Ebony/Jet White (358)
VIN Range	JKAKZCP2✓5B521501 -
Engine No. Range	KZT00JE052151 —
Engine No. Location	RH top crankcase, below carburetor

Tuning Specifications

Engine

Valve Clearance (Cold)	Intake: 0.05-0.15 mm
	Exhaust: 0.05-0.15 mm
—Adjustment Method	Shim over tappet
Compression Pressure	11.2-13.2 kg/cm ² (STD)
	8.5-13.2 kg/cm ² (Useable range)
Spark Plug	NGK BR8ES or ND W234ESR-U
—Gap	0.7-0.8 mm
Ignition Timing	—Idle 10.0 BTDC ("F" mark) at 1,000 rpm
	—Full 40 BTDC (in double marks) at 3,400 rpm
Pilot Screw	Sealed—not adjustable
Idle Speed	100 050 rpm
Engine Oil	SE Class SAE 10W40, 10W50, 20W40, 20W50
—w/Filter Change	3.7 liter
—No Filter Change	3.0 liter
—Level	On center stand, wait 5 min, middle of window
—Pressure (Hot)	0.2 kg/cm ² at 3,000 rpm, 60

Chassis

Fork Oil	SAE 10W
—Capacity	253 cc dry
Fork Air Pressure (Cold)	0.0 kg/cm ²
Tire Pressure (Cold)	
—Front	36 psi
—Rear	36 psi
Drive Chain Slack	30-35 mm (on center stand, tightest point, STD)