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## General Specifications

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### Engine

Engine Type	4-stroke, Inline, 4-cylinder, DOHC, Liquid cooled, 16-Valve
Displacement	599 cc
Bore x Stroke	64.0 x 46.6 mm
Compression Ratio	12.0:1
Maximum Torque	N/A
Carburetor	Keihin CVKD 36(4) Constant velocity, Diaphragm-type
Ignition System	12 V Battery & Coil, Transistorized Breakerless
Ignition Advance	Electronic
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
Coolant	50% distilled water /50% ethylene glycol base antifreeze.
— Capacity	2.5 liter
— Level	Level with radiator filler neck.

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### 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 3.17 (38/12)
— 2nd	2.12 (34/16)
— 3rd	1.67 (35/21)
— 4th	1.38 (29/21)
— 5th	1.22 (28/23)
— 6th	1.08 (26/24)
Primary Ratio	1.79 (95/53)
Final Ratio	3.00 (48/16)
Overall Ratio (Top Gear)	5.82

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### Chassis

Wheelbase	1,430 mm
Seat Height	780 mm
Ground Clearance	120 mm
Dry Weight	195 kg (US,CN) 195.5 kg (CA)
Curb Weight	221 kg (US,CN) 221.5 kg (CA)
Max Recom Load	N/A
Fuel Tank Capacity	18.0 liter
Tire Size	— Front 120/60 ZR17 Tubeless
— Rear	160/60 ZR17 Tubeless
Brake Type	— Front Dual Hydraulic Disc
— Rear	Single Hydraulic Disc
Brake Size	— Front 265 mm Effective Diameter
— Rear	204 mm Effective Diameter
Wheel Travel	— Front 120 mm
— Rear	130 mm

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## Model Identification

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Year & Model	'05 ZX600-E13:ZZR600 (Canada only)
Color	① Galaxy Silver Type 2 (474)
VIN Range	JKAZX4E1✓ 5A081001 ~ (Japan)
Engine No. Range	ZX600DE000001 —
Engine No. Location	RH side crankcase, beside carburetor

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## Tuning Specifications

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### Engine

Valve Clearance (Cold)	Intake 0.15~0.24 mm Exhaust 0.22~0.31 mm
— Adjustment Method	Shim under tappet
Compression Pressure	203 psi
Spark Plug	NGK CR9E or U27ESR
— Gap	0.7-0.8 mm
Ignition Timing	— Idle 12.5° BTDC at 1,050 rpm (US) 5.0° BTDC at 1,300 rpm (CA)
— Full	35° at 5,000 rpm
Air Screw	Sealed—not adjustable
Idle Speed	1050 ± 50 rpm (US,CN) 1250 ± 50 rpm (CA)
Engine Oil	SE Class SAE 10W40, 10W50, 20W40, 20W50
— w/Filter Change	3.7 liter
— No Filter Change	3.3 liter
— Level	On center stand, wait 5 min., middle of window

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### Chassis

Fork Oil	SAE 10W20
— Capacity	505 ± 4 ml
— Level	98 mm
Tire Pressure (Cold)	— Front 2.50 kg/cm <sup>2</sup> (36 psi)
— Rear	2.90 kg/cm <sup>2</sup> (41 psi)