
General Specifications

Engine

Engine Type	4-stroke, 1-cylinder, SOHC, Air cooled
Displacement	111cc
Bore x Stroke	53.0 x 50.6 mm
Compression Ratio	9.5:1
Carburetor	Keihin PB18
Ignition System	Magneto CDI (Rotor)
Ignition Advance	Electronic
Crankshaft Rotation	Clockwise from ignition (RH) side
Cylinder Material	Aluminum alloy with ferrous sleeves
Fuel	Min 91 Research/87 Avg. Oct. Unleaded OK

Transmission

Clutch Type	Wet, Multi-disc
Transmission	3-speed, Constant mesh, Return shift
Shift Pattern (Bottom up)	1-N-2-3
Gear Ratios —1st	3.000 (36/12)
—2nd	1.938 (31/16)
—3rd	1.350 (27/20)
Primary Ratio	3.409 (75/22)
Final Ratio	2.357 (33/14)
Overall Ratio (Top Gear)	10.848

Chassis

Wheelbase	1,065 mm
Seat Height	650 mm
Ground Clearance	190 mm
Dry Weight	141 lb.
Curb Weight	150 lb.
Fuel Tank Capacity	3.8 L (1.0 gal.)
Tire Size —Front	2.50 x 14
—Rear	3.00 x 12
Brake Type —Front	Drum
—Rear	Drum
Brake Size —Front	Effective diameter 90 mm
—Rear	Effective diameter 110 mm
Wheel Travel —Front	110 mm
—Rear	107 mm

Model Identification

Year & Model	'05 KLX110-A4:KLX110
Color	Lime Green (777)
VIN Range	JKALXSA1✓5DA21001 —
Engine No. Range	LX110AE000032—
Engine No. Location	LH side crankcase, lower rear

Tuning Specifications

Engine

Spark Plug	C6HSA
—Gap	0.6-0.7 mm
Ignition Timing —Idle	10.0° BTDC at 1,300 rpm
—Full	31.0° BTDC (In double marks) at 4,000 rpm
Pilot Screw	Sealed—not adjustable
Idle Speed	1,300 ±100 rpm
Engine Oil	API SE, SF or SG
	API SH OR SJ WITH JASO MA
	SAE 10W40
—w/Filter Change	1.1 L
—No Filter Change	.95 L
—Level	On center stand, wait 5 min, middle of window

Chassis

Fork Oil	10W20, SHOWA SS8 GO
—Capacity	163 cc
Tire Pressure (Cold)	
—Front	1.0 kg/cm ² (15 psi)
—Rear	1.0 kg/cm ² (15 psi)