
General Specifications

Engine

Engine Type	4-stroke, 1-cylinder, SOHC, Air cooled
Displacement	124cc
Bore x Stroke	57.0 x 48.8 mm
Compression Ratio	9.5:1
Carburetor	Mikuni VM20SS x 1
Ignition System	CDI
Ignition Advance	Electronic
Fuel	Min 95 Research/87 Avg. Oct. Unleaded OK

Transmission

Clutch Type	Wet, Multi-disc
Transmission	5-speed, Constant mesh, Return shift
Shift Pattern(Bottom up)	1-N-2-3-4-5
Gear Ratios	3.000 (33/11)
—1st	1.857 (26/14)
—2nd	1.368 (26/19)
—3rd	1.095 (23/21)
—4th	0.923 (24/26)
—5th	3.470 (59/17)
Primary Ratio	4.071 (57/14)
Final Ratio	13.043
Overall Ratio (Top Gear)	

Chassis

Wheelbase	1,270 mm
Seat Height	805 mm
Ground Clearance	290 mm
Dry Weight	179 lb.
Fuel Tank Capacity	1.7 gal.
Tire Size	70/100-19
—Front	90/100-16
—Rear	Disc 220mm
Brake Type	Drum
—Front	180 mm
—Rear	170 mm

Model Identification

Year & Model	'05 KLX125-B3:KLX125
Color	Lime Green No. 2 (908)
VIN Range	JSKDF45E ✓52100001 —
Engine No. Range	F445-100001—
Engine No. Location	LH side crankcase

Tuning Specifications

Engine

Spark Plug	DR8EA, X24ESR-U
—Gap	0.6-0.8 mm
Ignition Timing	13° BTDC at 1,700 rpm
—Idle	Preset (2-1/4 Turns Back)
Pilot Screw	1,700 rpm ±100
Idle Speed	API SF or SG
Engine Oil	SAE 10W40
—w/Filter Change	950 ml
—Level	On center stand, wait 5 min, middle of window

Chassis

Fork Oil	SS-08 or equivalent
—Capacity	172 ml
Tire Pressure (Cold)	1.0 kg/cm ² (14 psi)
—Front	1.0 kg/cm ² (14 psi)
—Rear	35-45 mm
Drive Chain Slack	