
General Specifications

Engine

Engine Type	4-stroke, 4-cylinder, DOHC, Liquid Cooled, 4-Valve
Displacement	749 cc
Bore x Stroke	68.4 x 50.9 mm
Compression Ratio	11.5:1
Carburetor	EFI Keihin 34mm Throttle Body x 4
Ignition System	TCBI
Ignition Advance	Digital
Crankshaft Rotation	Clockwise from RH side
Cylinder Number Method	Left to Right: 1-2-3-4
Firing Interval/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 liters (3.1 qt.)

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
Gear Ratios	
—1st	2.57 (36/14)
—2nd	1.94 (33/17)
—3rd	1.56 (28/18)
—4th	1.33 (28/21)
—5th	1.20 (33/27)
—6th	1.09 (23/21)
Primary Ratio	1.71 (84/49)
Final Ratio	2.86 (43/15)
Overall Ratio (Top Gear)	5.38

Chassis

Wheelbase	1425mm (56.1 in.)
Seat Height	815mm (32.1 in.)
Ground Clearance	165mm (6.5 in.)
Dry Weight	195 kg (431 lbs.)
Curb Weight	218 kg (480.6 lb.)
Fuel Tank Capacity	18 L (4.8 gal.)
Tire Size	
—Front	120/70-ZR17
—Rear	180/55-ZR17
Brake Type	
—Front	Dual Disc
—Rear	Single Disc
Brake Size	
—Front	272 mm Effective Diameter
—Rear	184 mm Effective Diameter
Wheel Travel	
—Front	120 mm
—Rear	126 mm

Model Identification

Year & Model	'05 ZR750-K1:Z750S
Color	1. Candy Plasma Blue (723) 2. Pearl Magma Red (724)
VIN Range	JKAZRDK1 ✓5A0000001 —
Engine No. Range	ZR750JE000001 —
Engine No. Location	RH side crankcase

Tuning Specifications

Engine

Valve Clearance (Cold)	N/A
—Adjustment Method	N/A
Compression Pressure	220 psi
Spark Plug	NGK CR9EK
—Gap	N/A
Ignition Timing	
—Idle	10° BTDC at 1,100 rpm
—Full	37° BTDC at 5,800 rpm
Idle Speed	N/A
Engine Oil	API SE, SF or SG, API SH or SJ of JASO MA Class
—Capacity	SAE 10W40 3.8 liter (4.0 qt.)
—Level	On center stand, wait 5 min, middle of window

Chassis

Fork Oil	SAE 10W KAYABA G10
—Capacity	452 cc
Tire Pressure (Cold)	
—Front	250 KPa (36 psi)
—Rear	290 KPa (42 psi)