

# YZ125L

## 1984 SERVICE DATA

<b>MODEL - IBM I.D. NUMBER</b>	YZ125L	39W
Initial Engine Number / Frame Number	39W-000101 / JYA39W00( )EA000101	
Fuel Type / Total Fuel Tank Capacity / Reserve Cap.	Premium / 7.5 Lit / 0.5 Lit	
<b>ENGINE TYPE</b>	2-Stroke, Reed Valve, YPVS	
Bore / Stroke / Number Cylinders / Displacement	56.0mm / 50.0mm / 1 / 123cc	
Compression Ratio / Pressure Min ~ Max	9.9:1 / NA	
Piston Skirt Clearance New / Max	0.070 ~ 0.075mm / 0.10mm	
Ring End Gap Top / 2nd / 3rd	0.35 ~ 0.50mm / $\phi$ / $\phi$	
Valve Clearance (Cold) Intake / Exhaust	$\phi$	
Oiling System	Premix (24:1 with Yamalube R*)	
Capacity: Dry	$\phi$	
Oil and Filter Change	$\phi$	
Oil Change Only	$\phi$	
Lubricant: Temp Above 5°C (40°F)	Yamalube R*	
Temp Below 15°C (60°F)	Yamalube R*	
Cooling System / Capacity	Liquid-cooled / 0.5 Lit	
Coolant Type / Mixing Ratio	Ethylene Glycol-Water / 1:1	
<b>AUTOLUBE - Min Stroke / Color Code</b>	$\phi$	
Minimum Output @ 200 Cycles	$\phi$	
Maximum Output @ 200 Cycles	$\phi$	
<b>CARBURETOR - Manufacturer / Type / I.D. Number</b>	Mikuni / VM36SS / 39W-00	
Main Jet / Pilot Jet / Pilot Screw (Turns Out)	360 / 50 / 1-1/2	
Needle Jet / Jet Needle-Clip Position	P-2 / 6F15-2	
Slide Cutaway	2.0	
Float Level / Fuel Level	27.0 $\pm$ 1.0mm / $\phi$	
Idle rpm	Rider's Preference	
Max CO <sub>2</sub> / Max HC <sub>2</sub> / Set CO	$\phi$	
<b>SUSPENSION -</b>		
Front: Inner Tube Diameter	43mm	
Oil Type / Level / Qty	10 Wt. Fork Oil* / 160mm / 520cc	
Gas Pressure Min ~ Max / Standard	0 ~ 1.2kg/cm <sup>2</sup> / 0kg/cm <sup>2</sup>	
Spring Length Standard	581.5mm	
Rear: Gas Pressure Min ~ Max / Standard	7.0 ~ 15.0kg/cm <sup>2</sup> / 12.0kg/cm <sup>2</sup>	
Minimum Brake Lining Thickness Front / Rear	2.0mm / 2.0mm	
Tire Size (Nominal Pressure) Front / Rear	90/90-21 (1.0kg/cm <sup>2</sup> ) / 120/80-18 (1.0kg/cm <sup>2</sup> )	
<b>TRANSMISSION - Oil Type / Qty Change / Qty Dry</b>	Yamalube 4* or SAE10W30SE or SF / 800cc / 850cc	
Secondary Drive Type / Teeth / Chain	Chain / 48-12 / DK520DS-110L	
Middle Gear Case Capacity	$\phi$	
Final Gear Case Capacity	$\phi$	
Gear Case Lubricant	$\phi$	

CHARGING SYSTEM	
Battery: Model / Specific Gravity / Charge Rate	∅
Maximum Output	∅
Field Coil Color Code / Ω	∅
Stator Coil Color Code / Ω	∅
Charge Coil Color Code / Ω	∅

IGNITION SYSTEM	
	Capacitor Discharge Ignition
Ignition Timing	1.88mm BTDC
Spark Plug Type	Champion N-84
Spark Plug Gap / Torque / Cap Ω	0.5 ~ 0.6mm / 2.5m·kg / 0Ω
Point Gap / Condenser Capacitance	∅
Ignition Coil Test Gap / Primary Ω / Secondary Ω	6mm / 0.22Ω ± 10% / 4.4KΩ ± 20%
Pulser Coil or Pickup Coil Color Code/Ω	Red-Whi ~ Red / 270Ω ± 10%
Source Coil Color Code / Ω	Red ~ Brn / 1437Ω ± 10%

LIGHTING SYSTEM	
Headlight / Taillight / Signal Rating	∅
Lighting Coil Color Code / Ω	∅

TORQUE VALUES	
Front Axle Nut	M14: 5.0m·kg
Front Axle Holder Nut	M8: 1.0m·kg
Rear Axle Nut	M16: 8.5m·kg
Rear Axle Pinch Bolt	∅
Clutch Nut	M14: 8.0m·kg
Drain Plug	M12: 2.0m·kg
Flywheel Nut	M10: 3.5m·kg
Cylinder Head Cover	∅
Cylinder Head:	M8: 2.5m·kg
Engine Mounting Bolts: Front Upper	M8: 2.8m·kg
Upper	M8: 2.3m·kg
Lower	M8: 2.8m·kg
Pivot Shaft	M16: 8.5m·kg

∅ = Does Not Apply to This Model  
 NA = Information Not Available

\* = Available from YPDI  
 ⊕ = For Diagnostic Use Only

#### SERVICE LITERATURE

PUBLICATION	PART NUMBER	REMARKS
Owner's Service Manual Assembly Manual	LIT-11626-04-27 LIT-11666-04-27	Supp. to YZ / IT Basic Assembly Manual (03-31)