

YZ250L

1984 SERVICE DATA

MODEL - IBM I.D. NUMBER	YZ250L	39X
Initial Engine Number / Frame Number	39X-000101 / JYA39X00()EA000101	
Fuel Type / Total Fuel Tank Capacity / Reserve Cap.	Premium / 8.5 Lit / ϕ	
ENGINE TYPE	2-Stroke, Reed Valve, YPVS	
Bore / Stroke / Number Cylinders / Displacement	68.0mm / 68.0mm / 1 / 246cc	
Compression Ratio / Pressure Min ~ Max	9.1:1 / NA	
Piston Skirt Clearance New / Max	0.060 ~ 0.065mm / 0.10mm	
Ring End Gap Top / 2nd / 3rd	0.35 ~ 0.50mm / 0.35 ~ 0.50mm / ϕ	
Valve Clearance (Cold) Intake / Exhaust	ϕ	
Oiling System	Premix (24:1 with Yamalube R*)	
Capacity: Dry	ϕ	
Oil and Filter Change	ϕ	
Oil Change Only	ϕ	
Lubricant: Temp Above 5°C (40°F)	Yamalube R*	
Temp Below 15°C (60°F)	Yamalube R*	
Cooling System / Capacity	Liquid-cooled / 1.0 Lit	
Coolant Type / Mixing Ratio	Ethylene Glycol-Water / 1:1	
AUTOLUBE - Min Stroke / Color Code	ϕ	
Minimum Output @ 200 Cycles	ϕ	
Maximum Output @ 200 Cycles	ϕ	
CARBURETOR - Manufacturer / Type / I.D. Number	Mikuni / VM38SS / 39X-00	
Main Jet / Pilot Jet / Pilot Screw (Turns Out)	290 / 60 / 1-1/2	
Needle Jet / Jet Needle-Clip Position	P-6 / 6F45-3	
Slide Cutaway	3.0	
Float Level / Fuel Level	27.0 \pm 1.0mm / ϕ	
Idle rpm	Rider's Preference	
Max CO _e / Max HC _e / Set CO	ϕ	
SUSPENSION -		
Front: Inner Tube Diameter	43mm	
Oil Type / Level / Qty	10 Wt. Fork Oil* / 160mm / 550cc	
Gas Pressure Min ~ Max / Standard	0 ~ 1.2kg/cm ² / 0kg/cm ²	
Spring Length Standard	542.5mm	
Rear: Gas Pressure Min ~ Max / Standard	7.0 ~ 15.0kg/cm ² / 12.0kg/cm ²	
Minimum Brake Lining Thickness Front / Rear	2.0mm / 2.0mm	
Tire Size (Nominal Pressure) Front / Rear	90/90-21 (1.0kg/cm ²) / 130/80-18 (1.0kg/cm ²)	
TRANSMISSION - Oil Type / Qty Change / Qty Dry	Yamalube 4* or SAE10W30SE or SF / 850cc / 900cc	
Secondary Drive Type / Teeth / Chain	Chain / 48-13 / DK520DS-112L	
Middle Gear Case Capacity	ϕ	
Final Gear Case Capacity	ϕ	
Gear Case Lubricant	ϕ	

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	
Ignition Timing	Capacitor Discharge Ignition
Spark Plug Type	1.5mm BTDC
Spark Plug Gap / Torque / Cap Ω	Champion N-86
Point Gap / Condenser Capacitance	0.5 ~ 0.6mm / 2.5m-kG / 0Ω
Ignition Coil Test Gap / Primary Ω / Secondary Ω	∅
Pulser Coil or Pickup Coil Color Code/Ω	6mm / 0.22Ω ± 10% / 4.4KΩ ± 20%
Source Coil Color Code / Ω	Red-Wht ~ Red / 270Ω ± 10%
	Red ~ Brn / 1437Ω ± 10%

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

TORQUE VALUES	
Front Axle Nut	M14: 6.0m-kG
Front Axle Holder Nut	M8: 2.0m-kG
Rear Axle Nut	M18: 10.0m-kG
Rear Axle Pinch Bolt	∅
Clutch Nut	M20: 7.5m-kG
Drain Plug	M12: 2.0m-kG
Flywheel Nut	M10: 4.0m-kG
Cylinder Head Cover	∅
Cylinder Head:	M8: 2.5m-kG
Engine Mounting Bolts: Front Upper	M8: 3.0m-kG
Front Lower	M8: 3.0m-kG
Front Stay	M8: 3.0m-kG
Rear	M10: 6.4m-kG
Rear Stay	M8: 2.3m-kG

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

* = Available from YPDI
 e = For Diagnostic Use Only

SERVICE LITERATURE

PUBLICATION	PART NUMBER	REMARKS
Owner's Service Manual Assembly Manual	LIT-11626-04-26 LIT-11666-04-26	Supp. to YZ / IT Basic Assembly Manual (03-31)