

# YZ250K

## 1983 SERVICE DATA

<b>MODEL - IBM I.D. NUMBER</b>	YZ250K	24Y
Initial Engine Number / Frame Number	24Y-000101 / 24Y-000101	
Fuel Type/Total Fuel Tank Capacity/Reserve Cap.	Premium / 8.5 Lit. / $\emptyset$	

<b>ENGINE TYPE</b>	2-Stroke, Reed Valve, YPVS
Bore/Stroke/Number Cylinders/Displacement	68mm / 68mm / 1 / 246cc
Compression Ratio/Compression Pressure Min~Max	7.4 ~ 9.2:1 / 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 / $\emptyset$
Valve Clearance (Cold) Intake / Exhaust	$\emptyset$
Oiling System	Premix 24:1 Using Yamalube R*
Capacity: Dry	$\emptyset$
Oil and Filter Change	$\emptyset$
Oil Change Only	$\emptyset$
Lubricant: Temp. Above 5°C (40°F)	Yamalube R*
Temp. Below 15°C (60°F)	Yamalube R*
Cooling System / Capacity	Liquid / 1.0 Lit.
Coolant Type / Mixing Ratio	Ethylene Glycol-Water / 1:1

<b>AUTOLUBE - Min Stroke / Color Code</b>	$\emptyset$
Minimum Output @ 200 Cycles	$\emptyset$
Maximum Output @ 200 Cycles	$\emptyset$

<b>CARBURETOR - Manufacturer / Type / I.D. Number</b>	Mikuni / VM38SS / 24Y-00
Main Jet / Pilot Jet / Pilot Screw (Turns Out)	260 / 50 / 1-3/4
Needle Jet / Jet Needle-Clip Position	P-6 / 6F45-3
Slide Cutaway	3.0
Float Level / Fuel Level	27mm / $\emptyset$
Idle rpm	Rider Preference
Max CO* / Max HC* / Set CO	$\emptyset$

<b>SUSPENSION</b>	
Front: Inner Tube Diameter	43mm
Oil Type / Level / Qty	10 Wt. Fork Oil* / 170mm / 578cc
Gas Pressure Min ~ Max / Standard	0 ~ 1.2 kg/cm <sup>2</sup> / 0 kg/cm <sup>2</sup>
Spring Length Std	559mm
Rear: Gas Pressure Min ~ Max / Standard	7.0 ~ 10.0 kg/cm <sup>2</sup> / 8.0 kg/cm <sup>2</sup>
Minimum Brake Lining Thickness Front / Rear	2mm / 2mm
Tire Size (Nominal Pressure) Front / Rear	90/80-21 (1.0 kg/cm <sup>2</sup> ) / 140/80-18 (1.0 kg/cm <sup>2</sup> )

<b>TRANSMISSION - Oil Type / Qty Change / Qty Dry</b>	SAE 10W30 SE or SF / 850cc / 900cc
Secondary Drive Type / Teeth / Chain	Chain / 48-13 / DK520DS-112L
Middle Gear Case Capacity	$\emptyset$
Final Gear Case Capacity	$\emptyset$
Gear Case Lubricant	$\emptyset$

SERVICE COPY	SER MGR	MECH	MECH	MECH	BINDER
OFFICE COPY	GEN MGR	SALES	PARTS	BINDER	PAGE 1 OF 2

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	1.5mm
Spark Plug Type	Champion N-86
Spark Plug Gap / Torque / Cap Ω	0.5 ~ 0.6mm / 2.5 m·kg / 0Ω
Point Gap / Condenser Capacitance	∅
Ignition Coil Test Gap / Primary Ω / Secondary Ω	6mm / 0.22Ω ± 10% / 4.4KΩ ± 10%
Pulser Coil or Pickup Coil Color Code / Ω	Red ~ Wht-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: 6.0 m·kg
Front Axle Holder Nut	M8: 2.0 m·kg
Rear Axle Nut	M18: 10.0 m·kg
Rear Axle Pinch Bolt	∅
Clutch Nut	M20: 7.5 m·kg
Drain Plug	M12: 2.0 m·kg
Flywheel Nut	M10: 4.0 m·kg
Cylinder Head Cover	∅
Cylinder Head:	M8: 2.5 m·kg
Engine Mounting Bolts: Front Upper	M8: 3.0 m·kg
Front Lower	M8: 3.0 m·kg
Front Stay	M8: 3.0 m·kg
Rear	M10: 6.4 m·kg
Rear Stay	M8: 2.3 m·kg

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

\* Available From Yamaha Parts Distributors Inc.  
 \* For Diagnostic Use Only

#### SERVICE LITERATURE

PUBLICATION	PART NUMBER	REMARKS
Owner's/Service Manual Assembly Manual	LIT-11626-03-76 LIT-11666-03-76	Supp. to YZ / IT Basic Assembly Manual (03-31)