

YZ125F

1979 SERVICE DATA

MODEL – IBM I.D. NUMBER	YZ125F	2X3
Initial Engine Number/Frame Number	2X3-000101 / 2X3-000101	
Basic Color(s)	Competition Yellow	
Fuel Type/Fuel Tank Capacity/Reserve Capacity	Premium / 6.1 Lit (1.6 Gal.) / ϕ	
Dry Vehicle Weight	88 kg (194 lbs.)	
ENGINE TYPE	2-Stroke, Air-Cooled, Reed Valve	
Bore/Stroke/Number Cylinders/Displacement (cc)	56mm / 50mm / 1 / 123cc	
Compression Ratio/Compression Pressure min ~ max	8.3:1 / ϕ	
Piston Skirt Clearance new/max.	0.045 ~ 0.050mm / 0.1mm	
Ring End Gap top/2nd/3rd	0.30 ~ 0.50mm / 0.30 ~ 0.50mm / ϕ	
Valve Clearance (cold) Intake/Exhaust	ϕ	
Oil Pressure hot/rpm		
Oiling System	Premix (20:1)	
Capacity: Dry	ϕ	
Oil and Filter Change	ϕ	
Oil Change	ϕ	
Lubricant: Temp above 5°C (40°F)	Yamalube R*	
Below 15°C (60°F)	Yamalube R*	
AUTOLUBE – Min. Stroke/Color Code	ϕ	
Minimum Output @ 200 cycles	ϕ	
Maximum Output @ 200 cycles	ϕ	
CARBURETOR – Mfr./Type/I.D. Number	Mikuni / VM32SS / 2X300	
Main Jet/Pilot Jet	280 / 60	
Needle Jet/Jet Needle-Clip Position	P-8 / 6F22-3	
Slide Cutaway or Throttle Valve	3.0	
Float Level	23.5 ± 1mm	
Idle RPM	ϕ	
CO % @ Idle (Diagnostic Use Only)	ϕ	
SUSPENSION		
Front Forks: Oil Type/Level/Qty.	15 wt. Fork Oil* / ϕ / 301cc	
Gas Pressure	0.9 kg/cm ²	
Spring Length Std.	589.5mm	
Monoshock: Oil Type/Qty.	Not Rebuildable	
Gas Pressure	15 kg/cm ²	
Minimum Brake Lining Thickness	Front: 2mm Rear: 2mm	
Tire Size (Nominal Pressure)	F: 3.00-21 (psi opt.) R: 4.10-18 (psi opt.)	
TRANSMISSION – Oil Type/Qty Chg/Qty Reassemble	SAE 10W30 SE / 700cc / 800cc	
Primary Drive Type/Teeth/Ratio	Helical Gear / 71-22 / 3.227	
Secondary Drive Type/Teeth/Chain	Chain / 51-12 / DID520TR-102L	
Clutch Friction Plate Thickness Std ~ min.	3.0mm ~ 2.7mm	
Clutch Spring Length Std ~ min.	34.0mm ~ 33.0mm	
Middle Gear Case Capacity	ϕ	
Final Gear Case Capacity	ϕ	
Gear Case Lubricant: Temp above 5°C (40°F)	ϕ	
Temp below 15°C (60°F)	ϕ	
All Weather Conditions	ϕ	

CHARGING SYSTEM	Flywheel Magneto
Battery: Model / Spec. Grav. / Chg. Rate	φ
Maximum Output	φ
TROUBLESHOOTING	
Field Coil Color Code / Ω	φ
Charge Coil Color Code / Ω	φ
IGNITION SYSTEM	Capacitor Discharge Ignition
Ignition Timing	1.1mm BTDC
Spark Plug Type	Champion N-59G
Spark Plug Gap / Torque / Cap Ω	0.7mm / 2.5 m-kG / φ
Point Gap / Condenser Capacitance	φ
TROUBLESHOOTING	
Ignition Coil Test Gap / Primary Ω / Secondary Ω	6mm / 0.6 Ω ± 10% / 6.2K Ω ± 20%
Pulse Coil or Pick-up Coil Color Code / Ω	Wht-Red ~ Red / 500 Ω ± 10%
Source Coil Color Code / Ω	Low: Brn ~ Red / 1437 Ω ± 10% High: Wht-Red ~ Red / 500 Ω ± 10%
LIGHTING SYSTEM	
Headlight / Taillight / Signal Rating	φ
TROUBLESHOOTING	
Lighting Coil Color Code / Ω	φ
TORQUE VALUES	
Front Axle Nut	14 x 1.5: 8.5 m-kG
Front Axle Holder Nut	φ
Rear Axle Nut	14 x 1.5: 8.5 m-kG
Rear Axle Pinch Bolt	φ
Clutch Nut	14 x 1.5: 5.0 m-kG Use Lock Washer
Drain Plug	14 x 1.25: 2.5 m-kG
Cylinder Head Cover	φ
Cylinder Head:	Nut 8 x 1.25: 2.5 m-kG
	Stud 8 x 1.25: 2.4 m-kG
Engine Mounting Bolts: Front	8 x 1.25: 3.0 m-kG
Rear, Upper	8 x 1.25: 3.0 m-kG
Rear, Lower	10 x 1.25: 6.4 m-kG

φ Does Not Apply to This Model

* Available From Yamaha Parts Distributors, Inc.