

YZ125G

1980 SERVICE DATA

MODEL - IBM I.D. NUMBER	YZ125G	3R3
Initial Engine Number / Frame Number	3R3-000101 / 3R3-000101	
Basic Color(s)	Competition Yellow	
Fuel Type/Fuel Tank Capacity/Reserve Capacity	Premium / 6.5 Lit. (1.7 Gal.) / ∅	
Dry Vehicle Weight	85 kg (187.4 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	8.4: 1 / ∅	
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 / ∅	
Valve Clearance (Cold) Intake/Exhaust	∅	
Oil Pressure Hot / rpm	∅	
Oiling System	Premix 16:1 (32:1 Novice Rider) Yamalube R*	
Capacity: Dry	∅	
Oil and Filter Change	∅	
Oil Change	∅	
Lubricant: Temp. above 5°C (40°F)	Yamalube R*	
Below 15°C (60°F)	Yamalube R*	
AUTOLUBE - Min. Stroke / Color Code	∅	
Minimum Output @ 200 Cycles	∅	
Maximum Output @ 200 Cycles	∅	
CARBURETOR - Mfr./Type/I.D. Number	Mikuni / VM32SS / 3R3-00	
Main Jet / Pilot Jet	300 / 60	
Needle Jet / Jet Needle-Clip Position	P-8 / 6F22-3	
Slide Cutaway or Throttle Valve	3.0	
Float Level	23.4 ± 1mm	
Idle rpm	∅	
CO % @ Idle (Diagnostic Use Only)	∅	
SUSPENSION		
Front Forks: Oil Type / Level / Qty	15 Wt. Fork Oil* / ∅ / 374 ± 4cc	
Gas Pressure	0 kg/cm ²	
Spring Length Std.	563mm	
Monoshock: Oil Type / Qty	Not Rebuildable	
Gas Pressure	15 kg/cm ² (213.4 psi)	
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 / 600cc / 700cc	
Primary Drive Type / Teeth / Ratio	Helical Gear / 62-18 / 3.444	
Secondary Drive Type / Teeth / Chain	Chain Drive / 48-12 / DK520DS-102L	
Clutch Friction Plate Thickness Std ~ Min.	3.0 ~ 2.7mm	
Clutch Spring Length Std ~ Min.	36mm ~ 35mm	
Middle Gear Case Capacity	∅	
Final Gear Case Capacity	∅	
Gear Case Lubricant: Temp above 5°C (40°F)	∅	
Temp below 15°C (60°F)	∅	
All Weather Conditions	∅	

CHARGING SYSTEM	Flywheel Magneto
Battery: Model / Spec. Grav. / Chg. Rate	∅
Maximum Output	∅
TROUBLESHOOTING	
Field Coil Color Code / Ω	∅
Charge Coil Color Code / Ω	∅
IGNITION SYSTEM	Capacitor Discharge Ignition
Ignition Timing	2.27mm BTDC
Spark Plug Type	Champion N-59G
Spark Plug Gap / Torque / Cap Ω	0.7mm / 2.5 m-kG / 0 Ω
Point Gap / Condenser Capacitance	∅ / ∅
TROUBLESHOOTING	
Ignition Coil Test Gap/Primary Ω/Secondary Ω	6mm / 0.60 Ω ± 10% / 6.2K Ω ± 20%
Pulser Coil or Pick-up Coil Color Code / Ω	Red ~ Wht-Red / 270 Ω ± 10%
Source Coil Color Code / Ω	Brn ~ Close 1437 Ω ± 10%
LIGHTING SYSTEM	
Headlight / Taillight / Signal Rating	∅
TROUBLESHOOTING	
Lighting Coil Color Code / Ω	∅
TORQUE VALUES	
Front Axle Nut	14 x 1.5: 8.5 m-kG
Front Axle Holder Nut	8 x 1.25: 1.0 m-kG
Rear Axle Nut	14 x 1.5: 8.5 m-kG
Rear Axle Pinch Bolt	∅
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	∅
Cylinder Head:	Nut 8 x 1.25: 3.0 m-kG
	Stud 8 x 1.25: 2.5 m-kG
Engine Mounting Bolts: Front	8 x 1.25: 3.0 m-kG
Lower Center	8 x 1.25: 3.0 m-kG
Pivot Shaft	8.5 m-kG

∅ Does Not Apply To This Model
N/A Information Not Available

* Available From Yamaha Parts Distributors, Inc.