

MX80G

1980 SERVICE DATA

MODEL – IBM I.D. NUMBER	MX80G	367
Initial Engine Number/Frame Number	367-600101 / 367-600101	
Basic Color(s)	Clean White	
Fuel Type/Fuel Tank Capacity/Reserve Capacity	Regular / 4.8 lit. (1.3 gal.) / 0.5 lit. (0.1 gal.)	
Dry Vehicle Weight	59 kg (130 lbs.)	
ENGINE TYPE	2-Stroke, Air-Cooled, Reed Valve	
Bore/Stroke/Number Cylinders/Displacement (cc)	47mm / 42mm / 1 / 72cc	
Compression Ratio/Compression Pressure min ~ max	6.8: 1 / N/A	
Piston Skirt Clearance new/max.	0.035 ~ 0.040mm / 0.1mm	
Ring End Gap top/2nd/3rd	0.15 ~ 0.35 / 0.15 ~ 0.35 / ϕ	
Valve Clearance (cold) Intake/Exhaust	ϕ	
Oil Pressure hot/rpm	ϕ	
Oiling System	Autolube	
Capacity: Dry	0.7 lit.	
Oil and Filter Change	ϕ	
Oil Change	ϕ	
Lubricant: Temp above 5°C (40°F)	Yamalube 2* or Equivalent	
Below 15°C (60°F)	Yamalube 2* or Equivalent	
AUTOLUBE – Min. Stroke/Color Code	0.20 ~ 0.25 mm / Yellow	
Minimum Output @ 200 cycles	0.50 ~ 0.62cc	
Maximum Output @ 200 cycles	3.64 ~ 4.27cc	
CARBURETOR – Mfr./Type/I.D. Number	Teikei / Y16P-3 / 36761	
Main Jet/Pilot Jet	94 / 34	
Needle Jet/Jet Needle-Clip Position	2.080 / 049-2	
Slide Cutaway or Throttle Valve	1.0	
Float Level	23.0 ± 2.5 mm	
Idle RPM	1300 rpm	
CO % @ Idle (Diagnostic Use Only)	ϕ	
SUSPENSION		
Front Forks: Oil Type/Level/Qty.	10, 20, or 30 wt. Fork Oil* / ϕ / 112cc	
Gas Pressure	ϕ	
Spring Length Std.	386mm	
Monoshock: Oil Type/Qty.	ϕ	
Gas Pressure	ϕ	
Minimum Brake Lining Thickness	Front: 2.0mm Rear: 2.0mm	
Tire Size (Nominal Pressure)	F:2.50-15(1.5kg/cm ² /21 psi) R:2.75-14(2.0kg/cm ² /28 psi)	
TRANSMISSION – Oil Type/Qty Chg/Qty Reassemble	SAE 10W30 SE / 550cc / 600cc	
Primary Drive Type/Teeth/Ratio	Helical Gear / 68-19 / 3.578	
Secondary Drive Type/Teeth/Chain	Chain / 41-14 / DID420-92L	
Clutch Friction Plate Thickness Std ~ min.	3.5 ~ 3.2mm	
Clutch Spring Length Std ~ min.	31.5mm ~ 30.5mm	
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 / Single Phase / Half Wave
Battery: Model / Spec. Grav. / Chg. Rate	ϕ
Maximum Output	8V4A @ 8,000 rpm
TROUBLESHOOTING	
Field Coil Color Code / Ω	ϕ
Charge Coil Color Code / Ω	ϕ
IGNITION SYSTEM	Flywheel Magneto - External Rotor
Ignition Timing	1.8mm BTDC
Spark Plug Type	NGK B7HS
Spark Plug Gap / Torque / Cap Ω	0.5 ~ 0.6mm / 2.0 m-kg / 5K Ω ± 10%
Point Gap / Condenser Capacitance	0.3 ~ 0.4mm / 0.30 μF ± 10%
TROUBLESHOOTING	
Ignition Coil Test Gap / Primary Ω / Secondary Ω	6mm / 1.02 Ω ± 10% / 6.0K Ω ± 20%
Pulse Coil or Pick-up Coil Color Code / Ω	ϕ
Source Coil Color Code / Ω	Blk ~ Gnd / 1.34 Ω ± 10%
LIGHTING SYSTEM	
Headlight / Taillight / Signal Rating	ϕ
TROUBLESHOOTING	
Lighting Coil Color Code / Ω	ϕ
TORQUE VALUES	
Front Axle Nut	10 x 1.25: 4.0 m-kg
Front Axle Holder Nut	ϕ
Rear Axle Nut	12 x 1.25: 6.0 m-kg
Rear Axle Pinch Bolt	ϕ
Clutch Nut	12 x 1.0: 4.5 m-kg
Drain Plug	12 x 1.5: 2.0 m-kg
Cylinder Head Cover	ϕ
Cylinder Head:	6 x 1.0: 1.0 m-kg
Engine Mounting Bolts:	
Front	8 x 1.25: 2.5 m-kg
Rear, Upper	8 x 1.25: 2.5 m-kg
Rear, Lower	8 x 1.25: 2.5 m-kg

ϕ Does Not Apply to This Model

* Available From Yamaha Parts Distributors, Inc.