

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.