

MX80J

1982 SERVICE DATA

MODEL - IBM I.D. NUMBER	MX80J	367
Initial Engine Number / Frame Number	367-654111 / 367-654111	
Basic Color(s)	Clean White	
Fuel Type / Fuel Tank Capacity / Reserve Capacity	Regular / 4.8 Lit. / 0.5 Lit.	
Dry Vehicle Weight	59 kg	
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 / NA	
Piston Skirt Clearance New ~ Max	0.035 ~ 0.040mm / 0.1mm	
Ring End Gap Top / 2nd / 3rd	0.15 ~ 0.35mm / 0.15 ~ 0.35mm / \emptyset	
Valve Clearance (Cold) Intake / Exhaust	\emptyset	
Oil Pressure Hot / rpm	\emptyset	
Oiling System	Autolube	
Capacity: Dry	0.7 Lit.	
Oil and Filter Change	\emptyset	
Oil Change	\emptyset	
Lubricant: Temp. Above 5°C (40°F)	Yamalube 2* or Equivalent	
Temp. Below 15°C (60°F)	Yamalube 2* or Equivalent	
AUTOLUBE - Min Stroke / Color Code	0.20 ~ 0.25mm / Yellow	
Minimum Output @ 200 Cycles	0.50cc ~ 0.62cc	
Maximum Output @ 200 Cycles	3.64cc ~ 4.27cc	
CARBURETOR - Mfr. / Type / I.D. Number	Telkel / Y16P-3 / 367-61	
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 / Fuel Level	23.0mm \pm 2.5mm / NA	
Idle rpm	1300 rpm	
Max CO* / Max HC* / Set CO	\emptyset	
SUSPENSION		
Front Forks: Oil Type / Level / Qty	10, 20, or 30 Wt. Fork Oil* / \emptyset / 112cc	
Gas Pressure	\emptyset	
Spring Length Std	386mm	
Monoshock: Oil Type / Qty	\emptyset	
Gas Pressure	\emptyset	
Minimum Brake Lining Thickness	Front: 2.0mm Rear: 2.0mm	
Tire Size (Nominal Pressure)	F:2.50-15 (1.5 kg/cm ²) R:2.75-14 (2.0 kg/cm ²)	
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	31.5 ~ 30.5mm	
Middle Gear Case Capacity	\emptyset	
Final Gear Case Capacity	\emptyset	
Gear Case Lubricant: Temp. Above 5°C (40°F)	\emptyset	
Temp. Below 15°C (60°F)	\emptyset	
All Weather Conditions	\emptyset	

CHARGING SYSTEM	Flywheel Magneto / Single Phase / Half Wave
Battery: Model / Specific Gravity / Charge Rate	∅
Maximum Output	8V 4A @ 8000 rpm
TROUBLESHOOTING	
Field Coil Color Code / Ω	∅
Charge Coil Color Code / Ω	∅
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%
Pulser Coil or Pickup Coil Color Code / Ω	∅
Source Coil Color Code / Ω	Blk ~ Gnd / 1.34 Ω ± 10%
LIGHTING SYSTEM	
Headlight / Taillight / Signal Rating	∅
TROUBLESHOOTING	
Lighting Coil Color Code / Ω	∅
TORQUE VALUES	
Front Axle Nut	10 x 1.25: 4.0 m·kg
Front Axle Holder Nut	∅
Rear Axle Nut	12 x 1.25: 6.0 m·kg
Rear Axle Pinch Bolt	∅
Clutch Nut	12 x 1.0: 4.5 m·kg
Drain Plug	12 x 1.5: 2.0 m·kg
Cylinder Head Cover	∅
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

∅ = 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-11626-03-09 LIT-11666-01-77	Same as MX80G, Supp. to GT80E (01-06)