

MX80H

1981 SERVICE DATA

MODEL - IBM I.D. NUMBER	MX80H	367
Initial Engine Number / Frame Number	367-650101 / 367-650101	
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 / NA	
Piston Skirt Clearance New / Max	0.035 ~ 0.040mm / 0.1mm	
Ring End Gap Top / 2nd / 3rd	0.15 ~ 0.85mm / 0.15 ~ 0.35mm / Ø	
Valve Clearance (Cold) Intake / Exhaust	Ø	
Oil Pressure Hot / rpm	Ø	
Oiling System	Autolube	
Capacity: Dry	0.7 Lit. (0.74 Qt.)	
Oil and Filter Change	Ø	
Oil Change	Ø	
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	Teikei / 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 ± 2.5mm / NA	
Idle rpm	1300 rpm	
Max CO* / Max HC* / Set CO	Ø	
SUSPENSION		
Front Forks: Oil Type / Level / Qty	10, 20, or 30 Wt. Fork Oil* / Ø / 112cc	
Gas Pressure	Ø	
Spring Length Std	386mm	
Monoshock: Oil Type / Qty	Ø	
Gas Pressure	Ø	
Minimum Brake Lining Thickness	Front: 2.0mm Rear: 2.0mm	
Tire Size (Nominal Pressure)	F:2.50-15 (1.5 kg/cm²/21 psi) R:2.75-14 (2.0 kg/cm²/28 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	31.5 ~ 30.5mm	
Middle Gear Case Capacity	Ø	
Final Gear Case Capacity	Ø	
Gear Case Lubricant: Temp. Above 5°C (40°F)	Ø	
Temp. Below 15°C (60°F)	Ø	
All Weather Conditions	Ø	

CHARGING SYSTEM		Flywheel Magneto / Single Phase / Half Wave
Battery: Model / Specific Gravity / Charge Rate		Ø
Maximum Output		8V4A @ 8000 rpm
TROUBLESHOOTING		
Field Coil Color Code / Ω		Ø
Charge Coil Color Code / Ω		Ø
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		Ø
Source Coil Color Code / Ω		Blk ~ Gnd / 1.34 Ω ± 10%
LIGHTING SYSTEM		
Headlight / Taillight / Signal Rating		Ø
TROUBLESHOOTING		
Lighting Coil Color Code / Ω		Ø
TORQUE VALUES		
Front Axle Nut		10 x 1.25: 4.0 m·kg
Front Axle Holder Nut		Ø
Rear Axle Nut		12 x 1.25: 6.0 m·kg
Rear Axle Pinch Bolt		Ø
Clutch Nut		12 x 1.0: 4.5 m·kg
Drain Plug		12 x 1.5: 2.0 m·kg
Cylinder Head Cover		Ø
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

Ø = Does Not Apply To This Model
 NA = Information Not Available

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