

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 / ∅ | |
| Valve Clearance (Cold) Intake / Exhaust | ∅ | |
| Oil Pressure Hot / rpm | ∅ | |
| Oiling System | Autolube | |
| Capacity: Dry | 0.7 Lit. (0.74 Qt.) | |
| Oil and Filter Change | ∅ | |
| Oil Change | ∅ | |
| 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 | ∅ | |
| SUSPENSION | | |
| Front Forks: Oil Type / Level / Qty | 10, 20, or 30 Wt. Fork Oil* / ∅ / 112cc | |
| Gas Pressure | ∅ | |
| Spring Length Std | 386mm | |
| Monoshock: Oil Type / Qty | ∅ | |
| Gas Pressure | ∅ | |
| Minimum Brake Lining Thickness | Front: 2.0mm Rear: 2.0mm | |
| Tire Size (Nominal Pressure) | F:2.50-15 (1.5 kg/cm ² /21 psi) R:2.75-14 (2.0 kg/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 | 31.5 ~ 30.5mm | |
| 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 | ∅ | |

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| CHARGING SYSTEM | Flywheel Magneto / Single Phase / Half Wave |
| Battery: Model / Specific Gravity / Charge Rate | ∅ |
| Maximum Output | 8V4A @ 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 μ F ± 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 |
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∅ = Does Not Apply To This Model
 NA = Information Not Available

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