## PW50H 1981 SERVICE DATA

MODEL - IBM I.D. NUMBER	PW50H 4X4
Initial Engine Number / Frame Number	4X4-000101 / 4X4-000101
Basic Color(s)	Competition Yellow
Fuel Type / Fuel Tank Capacity / Reserve Capacity	Regular / 2.0 Lit. (0.5 Gal.) / Ø
Dry Vehicle Weight	37 kg (80 lbs.)
ENGINE TYPE	2-Stroke, Air-Cooled, Reed Valve
Bore/Stroke/Number Cylinders/Displacement (cc)	40mm / 39.2mm / 1 / 49cc
Compression Ratio / Compression Pressure Min~Max	6.0:1 / Ø
Piston Skirt Clearance New / Max	0.035 ~ 0.047mm / 0.1mm
Ring End Gap Top / 2nd / 3rd	$0.15 \sim 0.35$ mm / $0.15 \sim 0.35$ mm / Ø
Valve Clearance (Cold) Intake / Exhaust	Ø
Oil Pressure Hot / rpm	ø
Oiling System	Autolube
Capacity: Dry	0.3 Lit. (0.3 Qts.)
Oil and Filter Change	ø
Oil Change	Ø
Lubricant: Temp. Above 5°C (40°F)	Yamalube R*
Temp. Below 15°C (60°F)	Yamalube R*
AUTOLUBE - Min Stroke / Color Code	$0.25 \sim 0.30$ / Yellow
Minimum Output @ 200 Cycles	ø
Maximum Output @ 200 Cycles	Ø
CARBURETOR - Mfr. / Type / I.D. Number	Mikuni / VM12SC / 4X4-00
Niain Jet / Pilot Jet	70 / 40
Needle Jet / Jet Needle-Clip Position	E-2 / 3X1-2
Slide Cutaway or Throttle Valve	4.0
Float Level / Fuel Level	16.5 ± 1.0mm / 22.0mm
Idle rpm	1700
Max CO <sup>®</sup> / Max HC <sup>®</sup> / Set CO	Ø
SUSPENSION	
Front Forks: Oil Type / Level / Qty	0/0/0
Gas Pressure	ø
Spring Length Std	115mm
Monoshock: Oil Type / Qty	ø
Gas Pressure	ø
Minimum Brake Lining Thickness	Front: 1.5mm Rear: 1.5mm
Tire Size (Nominal Pressure)	F:2.50-10 (14 psi) R:2.50-10 (14 psi)
TRANSMISSION - Oil Type/Qty Chg/Qty Reassemble	SAE 10W30 SE / 300cc / 350cc
Primary Drive Type / Teeth / Ratio	Spur Gear / 63-33 / 1.909
Secondary Drive Type / Teeth / Chain	Shaft Drive / Ø / Ø
Clutch Friction Plate Thickness Std ~ Min	Ø (Centrifugal Shoe Type)
Clutch Spring Length Std ~ Min	Ø
	Ø
Middle Gear Case Capacity	
Final Gear Case Capacity	Grease: Approx. 10,
Gear Case Lubricant: Temp. Above 5°C (40°F)	Ø
Temp. Below 15°C (60°F)	Ø
All Weather Conditions	Wheel Bearing Grease

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br-Discharge Ignition
BTDC (16° BTDC @ 5000 rpm)
24HS or Nippon Denso W14-FPL
8mm / 2.0 m-kg / 5K Ω ± 20%
Ge-
1.6 Ω ± 10% / 6.6K Ω ± 20%
d $\sim$ Blk / 20 $\Omega$ ± 20%
~ Blk / 300 Ω ± 10%
CAN
5: 4.0 m-kg
5: 6.0 m-kg
: 1.0 m-kg
5: 5.0 m-kg

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

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