

YZ80J

1982 SERVICE DATA

MODEL - IBM I.D. NUMBER	YZ80J	5X2
Initial Engine Number / Frame Number	5X2-000101 / 5X2-000101	
Basic Color(s)	Competition Yellow	
Fuel Type / Fuel Tank Capacity / Reserve Capacity	Premium / 5.2 Lit. / \emptyset	
Dry Vehicle Weight	63 kg	
ENGINE TYPE	2-Stroke, Liquid-Cooled, Reed Valve	
Bore/Stroke/Number Cylinders/Displacement (cc)	47mm / 45.6mm / 1 / 79cc	
Compression Ratio/Compression Pressure Min~Max	7.5:1 / \emptyset	
Piston Skirt Clearance New / Max	0.060 ~ 0.065mm / 0.1mm	
Ring End Gap Top / 2nd / 3rd	0.20 ~ 0.40mm / 0.20 ~ 0.40mm / \emptyset	
Valve Clearance (Cold) Intake / Exhaust	\emptyset	
Oil Pressure Hot / rpm	\emptyset	
Oiling System	Premix (24:1 Using Yamalube R*)	
Capacity: Dry	\emptyset	
Oil and Filter Change	\emptyset	
Oil Change	\emptyset	
Lubricant: Temp. Above 5°C (40°F)	Yamalube R*	
Temp. Below 15°C (60°F)	Yamalube R*	
AUTOLUBE - Min Stroke / Color Code	\emptyset	
Minimum Output @ 200 Cycles	\emptyset	
Maximum Output @ 200 Cycles	\emptyset	
CARBURETOR - Mfr. / Type / I.D. Number	Mikuni / VM26SS / 5X2-00	
Main Jet / Pilot Jet	210 / 35	
Needle Jet / Jet Needle-Clip Position	O-0 / 4J13-3	
Slide Cutaway or Throttle Valve	2.0	
Float Level / Fuel Level	21mm \pm 1mm / NA	
Idle rpm	1500 rpm	
Max CO* / Max HC* / Set CO	\emptyset	
SUSPENSION		
Front Forks: Oil Type / Level / Qty	20 Wt. Fork Oil* / 190mm / 188cc	
Gas Pressure	\emptyset	
Spring Length Std	564.7mm	
Monoshock: Oil Type / Qty	Not Rebuildable	
Gas Pressure	15 kg/cm ²	
Minimum Brake Lining Thickness	Front: 1.5mm Rear: 1.5mm	
Tire Size (Nominal Pressure)	F:2.75 (1.0 kg/cm ²) R:4.10-14 (1.0 kg/cm ²)	
TRANSMISSION - Oil Type/Qty Chg/Qty Reassemble	SAE 10W30 SE / 650cc / 700cc	
Primary Drive Type / Teeth / Ratio	Helical Gear / 66-21 / 3.143	
Secondary Drive Type / Teeth / Chain	Chain / 44-13 / DID428-110L	
Clutch Friction Plate Thickness Std ~ Min	3.0 ~ 2.7mm	
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
Battery: Model / Specific Gravity / Charge Rate	∅
Maximum Output	∅
TROUBLESHOOTING	
Field Coil Color Code / ∅	
Charge Coil Color Code / ∅	
IGNITION SYSTEM	Capacitor-Discharge Ignition
Ignition Timing	0.8mm BTDC (14.5°) @ 11,000 rpm
Spark Plug Type	Champion N-2G
Spark Plug Gap / Torque / Cap Ω	0.7mm / 2.0 m-kG / 0Ω
Point Gap / Condenser Capacitance	∅ / ∅
TROUBLESHOOTING	
Ignition Coil Test Gap / Primary Ω / Secondary Ω	6mm / 0.6 Ω ± 10% / 6.2K Ω ± 20%
Pulser Coil or Pickup Coil Color Code / Ω	Red-Wht ~ Red / 500 Ω ± 10%
Source Coil Color Code / Ω	Brn ~ Red / 1437 Ω ± 10%
LIGHTING SYSTEM	
Headlight / Taillight / Signal Rating	∅
TROUBLESHOOTING	
Lighting Coil Color Code / Ω	∅
TORQUE VALUES	
Front Axle Nut	12 x 1.25: 7.4 m-kG
Front Axle Holder Nut	∅
Rear Axle Nut	14 x 1.25: 8.5 m-kG
Rear Axle Pinch Bolt	∅
Clutch Nut	12 x 1.0: 5.0 m-kG
Drain Plug	12 x 1.5: 2.0 m-kG
Cylinder Head Cover	∅
Cylinder Head:	8 x 1.25: 3.0 m-kG
Engine Mounting Bolts: Front, Upper	8 x 1.25: 4.0 m-kG
Lower	8 x 1.25: 4.0 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-11626-03-18 LIT-11666-03-18	Supp. to YZ/IT Basic Assembly Manual 103-31