

YZ465H

1981 SERVICE DATA

MODEL - IBM I.D. NUMBER	YZ465H	4V4
Initial Engine Number / Frame Number	4V4-000101 / 4V4-000101	
Basic Color(s)	Competition Yellow	
Fuel Type / Fuel Tank Capacity / Reserve Capacity	Premium / 9.0 Lit. (2.3 Gal.) / ∅	
Dry Vehicle Weight	102 kg (225 lbs.)	
ENGINE TYPE	2-Stroke, Air-Cooled, Reed Valve	
Bore/Stroke/Number Cylinders/Displacement (cc)	85mm / 82mm / 1 / 465cc	
Compression Ratio/Compression Pressure Min~Max	7.0:1 / ∅	
Piston Skirt Clearance New / Max	0.070 ~ 0.075mm / 0.1mm	
Ring End Gap Top / 2nd / 3rd	0.3 ~ 0.5mm / 0.3 ~ 0.5mm / ∅	
Valve Clearance (Cold) Intake / Exhaust	∅	
Oil Pressure Hot / rpm	∅	
Oiling System	Premix 16:1 Using Yamalube R*	
Capacity: Dry	∅	
Oil and Filter Change	∅	
Oil Change	∅	
Lubricant: Temp. Above 5°C (40°F)	Yamalube R*	
Temp. Below 15°C (60°F)	Yamalube R*	
AUTOLUBE - Min Stroke / Color Code	∅	
Minimum Output @ 200 Cycles	∅	
Maximum Output @ 200 Cycles	∅	
CARBURETOR - Mfr. / Type / I.D. Number	Mikuni / VM38SS / 4V4-00	
Main Jet / Pilot Jet	390 / 45	
Needle Jet / Jet Needle-Clip Position	Q-2 / 6F16-3	
Slide Cutaway or Throttle Valve	3.0	
Float Level / Fuel Level	27 ± 1.0mm / 33.0 ± 1.0mm	
Idle rpm	∅	
Max CO* / Max HC* / Set CO	∅	
SUSPENSION		
Front Forks: Oil Type / Level / Qty	10 Wt. Fork Oil* / 150mm With Forks Compressed / ∅	
Gas Pressure	0 kg/cm ² (14.2 psi)	
Spring Length Std	553mm	
Monoshock: Oil Type / Qty	Not Rebuildable	
Gas Pressure	15 kg/cm ² (213 psi)	
Minimum Brake Lining Thickness	Front: 2.0mm Rear: 2.0mm	
Tire Size (Nominal Pressure)	F:3.00-21 (psi Optional) R:5.10-18 (psi Optional)	
TRANSMISSION - Oil Type/Qty Chg/Qty Reassemble	SAE 10W30 SE / 800cc / 850cc	
Primary Drive Type / Teeth / Ratio	Helical Gear / 63-24 / 2.625	
Secondary Drive Type / Teeth / Chain	Chain / 46-14 / DK520DS-108L	
Clutch Friction Plate Thickness Std ~ Min	3.0 ~ 2.7mm	
Clutch Spring Length Std ~ Min	36.0 ~ 35.0mm	
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	∅	

CHARGING SYSTEM	Flywheel Magneto
Battery: Model / Specific Gravity / Charge Rate	∅
Maximum Output	∅
TROUBLESHOOTING	
Field Coil Color Code / Ω	∅
Charge Coil Color Code / Ω	∅
IGNITION SYSTEM	Capacitor-Discharge Ignition
Ignition Timing	2.0mm BTDC
Spark Plug Type	Champion N-3
Spark Plug Gap / Torque / Cap Ω	0.6 ~ 0.7mm / 2.2 m-kG / ∅
Point Gap / Condenser Capacitance	∅ / ∅
TROUBLESHOOTING	
Ignition Coil Test Gap / Primary Ω / Secondary Ω	6mm / 1.0 Ω \pm 10% / 5.9K Ω \pm 20%
Pulser Coil or Pickup Coil Color Code / Ω	Wht-Red ~ Blk / 12.4 Ω \pm 10%
Source Coil Color Code / Ω	Lo: Brn ~ Blk / 420 Ω \pm 10% Hi: Red ~ Blk / 13.6 Ω \pm 10%
LIGHTING SYSTEM	
Headlight / Taillight / Signal Rating	∅
TROUBLESHOOTING	
Lighting Coil Color Code / Ω	∅
TORQUE VALUES	
Front Axle Nut	14 x 1.5: 5.8 m-kG
Front Axle Holder Nut	8 x 1.25: 2.0 m-kG
Rear Axle Nut	18 x 1.50: 10 m-kG
Rear Axle Pinch Bolt	∅
Clutch Nut	20 x 1.0: 7.5 m-kG Use Lock Washer
Drain Plug	14 x 1.25: 2.5 m-kG
Cylinder Head Cover	∅
Cylinder Head:	8 x 1.25: 2.0 m-kG
Engine Mounting Bolts: Front, Upper	8 x 1.25: 3.0 m-kG
Front, Lower	8 x 1.25: 3.0 m-kG
Rear, Upper	10 x 1.25: 6.4 m-kG
Front, Stay	8 x 1.25: 3.0 m-kG
Upper, Stay	8 x 1.25: 2.3 m-kG

∅ = Does Not Apply To This Model

NA = Information Not Available

* Available From Yamaha Parts Distributors Inc.

* For Diagnostic Use Only