

This Bulletin replaces M79-074.
Please remove and destroy Bulletin M79-074.

YZ465G

1980 SERVICE DATA

△ Denotes a change from the original bulletin.

MODEL - IBM I.D. NUMBER	YZ465G	3R5
Initial Engine Number / Frame Number	3R5-000101 / 3R5-000101	
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	0.050 ~ 0.055mm / 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 (32:1 for Yamalube R*)	
Capacity: Dry	∅	
Oil and Filter Change	∅	
Oil Change	∅	
Lubricant: Temp. above 5°C (40°F)	Yamalube R*	
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 / 3R5-00	
Main Jet / Pilot Jet	390 / 50	
Needle Jet / Jet Needle-Clip Position	P-8 / 6F16-3	
Slide Cutaway or Throttle Valve	3.0	
Float Level	27 ± 1.0mm	
Idle rpm	∅	
CO % @ Idle (Diagnostic Use Only)	∅	
SUSPENSION		
Front Forks: Oil Type / Level / Qty	10 Wt. Fork Oil* / ∅ / 387cc	
Gas Pressure	0 kg/cm ²	
Spring Length Std.	608mm	
Monoshock: Oil Type / Qty	Not Rebuildable	
Gas Pressure	15 kg/cm ² (213 psi)	
Minimum Brake Lining Thickness	Front: 2mm Rear: 2mm	
Tire Size (Nominal Pressure)	F:3.00-21 (psi - Opt.) R:5.10-18 (psi - Opt.)	
TRANSMISSION - Oil Type/Qty Chg/Qty Reassemble	SAE 10W30 SE / 750cc / 800cc	
Primary Drive Type / Teeth / Ratio	Helical Gear / 63-24 / 2.625	
Secondary Drive Type / Teeth / Chain	Chain Drive / 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	∅	

Service Copy: _____ Service Mgr. _____ Mechanic _____ Mechanic _____ Mechanic _____ Binder

Office Copy: _____ General Mgr. _____ Sales _____ Parts _____ Binder



CHARGING SYSTEM	Flywheel Magneto
Battery: Model / Spec. Grav. / Chg. 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 ± 10% / 5.9K Ω ± 20%
Pulsar Coil or Pick-up Coil Color Code / Ω △	Wht-Red ~ Blk / 12.4 Ω ± 10%
Source Coil Color Code / Ω	Low: Bn ~ Blk / 420 Ω ± 10% High: Red ~ Blk / 13.6 Ω ± 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	16 x 1.5: 7.8 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:	10 x 1.25: 3.3 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	10 x 1.25: 6.4 m·kg
Front Stay	8 x 1.25: 1.6 m·kg
Rear Stay	8 x 1.25: 1.6 m·kg

∅ Does Not Apply To This Model
N/A Information Not Available

* Available From Yamaha Parts Distributors, Inc.