

## RD250B

MOTORCYCLE  
M4-078

## 1975 SERVICE DATA

<b>MODEL - IBM I.D. NUMBER</b>	<b>RD250B</b>	<b>361</b>
Starting Engine and Frame Number	352-300101	
Basic Color (fuel tank)	Clean White	
Net Weight	309 lbs.	
<b>ENGINE (type, induction system)</b>	2-stroke, 7-port, Twin, Reed Valve, Air-cooled	
Bore x Stroke x Cylinder	54 x 54mm x 2	247cc (15.07 CID)
Displacement		
Compression Ratio	6.7:1	
Piston Skirt Clearance (new/max.)	.035 ~ .040mm (.0014 ~ .0016")/0.1mm (.004")	
Ring End Gap (top/2nd/3rd)	0.2 ~ 0.4mm (.008 ~ .016")/Same/φ	
Ring Groove Clearance (top/2nd/3rd)	.03 ~ .08mm (.0012 ~ .0032")/Same/φ	
Valve Clearance (eng. cold) Intake/Exhaust	φ	
<b>AUTOLUBE - Minimum Pump Stroke/Color Code</b>	0.20 ~ 0.25mm (.008 ~ .010")	Green
<b>CARBURETOR (mfr) (type) (I.D. number)</b>	Mikuni	VM28SC 36102
Main Jet	No. 120	
Needle Jet	0-8	
Jet Needle/Clip Position	514-3	
Cut Away	2.5	
Pilot Jet	No. 30	
Air Jet	0.5	
Starter Jet	No. 70	
Air Screw (turns out)	1½	
Float Level	15.0 ± 1.0mm	
Air Filter (type x quantity)	Dry Paper x 1	
<b>DRIVE - Primary (type) (teeth) (ratio)</b>	Helical Gear	68/21 3.238
Secondary (type) (teeth) (ratio)	DID530DS, 91L	40/15 2.667
Transmission Ratios 1st (teeth) (ratio) (O.A.)	36/14	2.571 22.202
2nd	32/18	1.777 15.345
3rd	29/22	1.318 11.381
4th	26/25	1.040 8.981
5th	24/27	0.888 7.677
6th	22/28	0.785 6.779
<b>CAPACITIES - Transmission</b>	1500cc (51 oz.) SAE 10W/30 Oil (Yamalube 4-cycle)	
Oil Tank or Engine Sump	2.1 qts. Yamalube 2-cycle	
Fuel Tank	3.2 gals. Unleaded or Low Lead (Regular)	
Front Forks	140cc (4.7 oz.) 10, 20 or 30 wt. Fork Oil*	
Rear Shocks	φ	
Tires (size/nominal pressure)	Front: 3.00-18/23psi	Rear: 3.21-18/28psi
<b>ELECTRICAL - Charging System (mfr) (type)</b>	Mitsubishi	AC Generator AZ2010N1
No Load Voltage Adj. (AC & DC generators)	14.0 ~ 15.0V @ 2000rpm	
Max. Generator (Magneto) Output	14V12A	
Field Coil (and/or) Charging Coil Resistance	Rotor: 4.3Ω ± 10%	Stator(each): 0.32Ω ± 10%
Battery (mfr) (model) (rating)	FB or YUASA	12N5.5A-3B 12V5.5AH
Headlight/Taillight Ratings	12V35W/25W	12V8W/27W
Ign. Coil Min. Spark Gap/Pri. Res./Sec. Res.	6mm 4.0Ω	11.0KΩ
Condenser Capacity	0.22 μf	
Point Gap /Spark Plug (type/gap)	0.3 ~ 0.4mm (.012 ~ .015")/NGK B-8HS/0.6 ~ 0.7mm	
Timing (advanced) (retarded)	2.0 ± 0.15mm BTDC/φ	

N/A = Information Not Available

φ = Does Not Apply to This Model

\*Available from Yamaha Parts Distributors, Inc.