

# RD350B

MOTORCYCLE  
M4-069

## 1975 SERVICE DATA

|  |  |                       |
|--|--|-----------------------|
| MODEL - IBM I.D. NUMBER                        | RD350B   | 360                   |
| Starting Engine and Frame Number               | 351-300101                                       |                       |
| Basic Color (fuel tank)                        | Portuguese Orange                                |                       |
| Net Weight                                     | 315 lbs.   |                       |
| ENGINE (type, induction system)                | 2-stroke, 7-port, Twin, Reed Valve, Air-cooled   |                       |
| Bore x Stroke x Cylinder                       | 64 x 54mm x 2                                    | 347cc (21.18 CID)     |
| Displacement                                   |  |                       |
| Compression Ratio                              | 6.8:1  |                       |
| Piston Skirt Clearance (new/max.)              | .035 ~ .040mm (.0014 ~ .0016")/0.1mm (.004")     |                       |
| Ring End Gap (top/2nd/3rd)                     | 0.2~0.4mm(.008~.0016")/0.15~0.35mm(.006~.014")/φ |                       |
| Ring Groove Clearance (top/2nd/3rd)            | .03 ~ .08mm (.0012 ~ .0032")/Same/φ              |                       |
| Valve Clearance (eng. cold) Intake/Exhaust     | φ  |                       |
| AUTOLUBE - Minimum Pump Stroke/Color Code      | 0.20 ~ 0.25mm (.008 ~ .010")                     | Red                   |
| CARBURETOR (mfr) (type) (I.D. number)          | Mikuni   | VM28SC 36002          |
| Main Jet                                       | No. 140  |                       |
| Needle Jet                                     | 0-8  |                       |
| Jet Needle/Clip Position                       | 514-4  |                       |
| Cut Away                                       | 2.5  |                       |
| Pilot Jet                                      | No. 25   |                       |
| Air Jet  | 0.6  |                       |
| Starter Jet                                    | No. 70   |                       |
| Air Screw (turns out)                          | 1%   |                       |
| Float Level                                    | 15 ± 1.0mm                                       |                       |
| Air Filter (type x quantity)                   | Dry Paper x 1                                    |                       |
| DRIVE - Primary (type) (teeth) (ratio)         | Helical Gear                                     | 66/23 2.869           |
| Secondary (type) (teeth) (ratio)               | DID530DS, 91L                                    | 40/15 2.667           |
| Transmission Ratios 1st (teeth) (ratio) (O.A.) | 36/14  | 2.571 19.679          |
| 2nd  | 32/18  | 1.777 13.601          |
| 3rd  | 29/22  | 1.318 10.088          |
| 4th  | 26/25  | 1.040 7.960           |
| 5th  | 24/27  | 0.888 6.804           |
| 6th  | 22/28  | 0.785 6.008           |
| CAPACITIES - Transmission                      | 1500cc (51 oz.) SAE 10W30 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: 3.50-18/28psi   |
| ELECTRICAL - Charging System (mfr) (type)      | Mitsubishi                                       | AZ2010N1 AC Generator |
| No Load Voltage Adj. (AC & DC generators)      | 14.5 ~ 15.5V @ 2000rpm                           |                       |
| Max. Generator (Magneto) Output                | 14V12A   |                       |
| Field Coil (and/or) Charging Coil Resistance   | 4.3 ± 0.5Ω (Rotor)                               | 0.32 ± .03Ω (Stator)  |
| 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 ~ .016")/NGK B-8HS/0.6 ~ 0.7mm |                       |
| Timing (advanced) (retarded)                   | 2.0mm BTDC/φ                                     |                       |

N/A = Information Not Available

φ = Does Not Apply to This Model

\* Available from Yamaha Parts Distributors, Inc.