

DT250D

1977 SERVICE DATA

MODEL – IBM I.D. NUMBER	DT250D	1M7
Starting Engine and Frame Number	1M1-000101	
Basic Color (fuel tank)	Balboa Blue	
Net Weight	260 lbs.	
ENGINE (type, induction system)	2-stroke, 7-port, single, air-cooled	
Bore x Stroke x Cylinder(s) Displacement	70 x 64mm x 1 246cc (15.01 CID)	
Compression Ratio (pressure)	6.7:1	
Piston Skirt Clearance (new/max.)	.035 ~ .040mm (.0014 ~ .0016") / 0.1mm (.004")	
Ring End Gap (top/2nd/3rd)	0.20 ~ 0.40mm (.008 ~ .016") / Same / ϕ	
Ring Groove Clearance (top/2nd/3rd)	0.03 ~ 0.08 (.0012 ~ .0031) / Same /	
Valve Clearance (eng. cold) Intake/Exhaust	ϕ	
AUTOLUBE – Minimum Pump Stroke/Color Code	0.25 ~ 0.30mm (.010 ~ .012") / Red	
CARBURETOR (mfr.) (type) (I.D. number)	Mikuni/VM28SC/1M100	
Main Jet	No. 150	
Needle Jet	N-8	
Jet Needle/Clip Position	5DP33-3	
Cutaway	1.5	
Pilot Jet	No. 50	
Air Jet	2.5mm I.D.	
Starter Jet	No. 60	
Air Screw (turns out) (idle speed)	1-3/4 1,200 rpm	
Float Level	16mm	
Air Filter (type x quantity)	Oiled Foam Rubber x 1	
DRIVE – Primary (type) (teeth) (ratio)	Helical Gear	65/23 2.826
Secondary (type) (teeth) (ratio)	DK520DS, 103L	47/14 3.357
Transmission Ratios 1st (teeth) (ratio) (O.A.)	33/13	2.538 24.077
2nd	34/19	1.789 16.972
3rd	26/20	1.300 12.333
4th	23/23	1.000 9.487
5th	20/26	0.769 7.295
6th	ϕ	
CAPACITIES – Transmission	1,200cc (40 oz.) Yamalube 4-cycle* or SAE10W/30 Oil	
Oil Tank or Engine Sump	1.2 qts. Yamalube 2-cycle*	
Fuel Tank	2.4 gals. Low Lead (Regular) or Unleaded	
Front Forks	190cc (6.4 oz.) 20 or 30 wt. Fork Oil*	
Rear Shocks	ϕ (DeCarbon monoshock)	
Tires (size/normal pressure)	Front: 3.00-21/18psi / Rear: 4.00-18/21 psi	
ELECTRICAL – Charging System (mfr.) (type)	Mitsubishi / Flywheel Magneto	
No Load Voltage Adj. (AC & DC generators)	ϕ	
Max. Generator (Magneto) Output	(day) 1.5±0.3A @ 2,500rpm/(night) 1.8±0.5A @ 8,000rpm	
Field Coil (and/or) Charging Coil Resistance	Yellow .19 Ω / Green-White .33 Ω	
Battery (mfr.) (model) (rating) (charge rate)	G.S. or F.B / 6N6-3B-6V6AH (.6A x 20 hrs.)	
Headlight/Taillight Ratings	6V30W/30W / 6V5.3W	
Ign. Coil Min. Spark Gap/Pri. Res./Sec. Res.	6mm @ 500 rpm / 1.0 Ω / 5.9K Ω	
Source Coil Res./Pulse Coil Res.	1.65 Ω / ϕ	
Condenser Capacity	.25 μ F	
Point Gap/Spark Plug (type/gap)	0.3~0.4mm(.012~.016")/NGK B-8ES / 0.6~0.7mm	
Timing (advanced) (retarded)	3.2 ± 0.15mm B.T.D.C.	

N/A = Information Not Available

*Available from Yamaha Parts Distributors, Inc.

 ϕ = Does Not Apply To This Model