

YZ125D

1977 SERVICE DATA

MODEL – IBM I.D. NUMBER	YZ125D	1W1	
Starting Engine and Frame Number	1W1-000101	1W1-000101	
Basic Color (fuel tank)	Competition Yellow		
Net Weight	192 lbs.		
ENGINE (type, induction system)	2-stroke, 7-port, single, reed valve, air-cooled		
Bore x Stroke x Cylinder(s) Displacement	56 x 50mm x 1	123cc(7.51 CID)	
Compression Ratio (pressure)	7.8:1		
Piston Skirt Clearance (new/max.)	0.045 ~ 0.050mm (.0018 ~ .0020")/0.1mm(.004")		
Ring End Gap (top/2nd/3rd)	0.4 ~ 0.5mm (.016 ~ .020") / ϕ / ϕ		
Ring Groove Clearance (top/2nd/3rd)	0.03 ~ 0.07mm (.0012 ~ .0028") / ϕ / ϕ		
Valve Clearance (eng. cold) Intake/Exhaust	ϕ		
AUTOLUBE – Minimum Pump Stroke/Color Code	ϕ		
CARBURETOR (mfr.) (type) (I.D. number)	Mikuni	VM32SS	1W101
Main Jet	No. 270		
Needle Jet	P-8		
Jet Needle/Clip Position	GF22-3		
Cutaway	3.0		
Pilot Jet	No. 60		
Air Jet	2.0		
Starter Jet	No. 80		
Air Screw (turns out) (idle speed)	3/4	N/A	
Float Level	24mm		
Air Filter (type x quantity)	Wet Foam Rubber x 1		
DRIVE – Primary (type) (teeth) (ratio)	Helical Gear	71/22	3.227
Secondary (type) (teeth) (ratio)	DK520TR 100L	51/12	4.250
Transmission Ratios 1st (teeth) (ratio) (O.A.)	32/13	2.461	33.762
2nd	30/16	1.875	25.717
3rd	27/18	1.500	20.573
4th	25/20	1.250	17.144
5th	24/22	1.090	14.962
6th	23/23	1.000	13.715
CAPACITIES – Transmission	650cc (22.0 oz.) SAE 10W30 Oil (Yamalube 4-cycle)*		
Oil Tank or Engine Sump	ϕ		
Fuel Tank	1.5 gal. Premium (Premix with Yamalube "R" 20:1)		
Front Forks	15 wt oil 181mm from top Air 14psi See Tech. Bull. M7-003		
Rear Shocks	ϕ (De-Carbon monoshock)See Technical Bull. M7-003		
Tires (size/normal pressure)	Front: 3.00-21/13psi	Rear: 4.10-18/15psi	
ELECTRICAL – Charging System (mfr.) (type)	Hitachi	CDI Magneto	
No Load Voltage Adj. (AC & DC generators)	ϕ		
Max. Generator (Magneto) Output	ϕ		
Field Coil (and/or) Charging Coil Resistance	ϕ		
Battery (mfr.) (model) (rating) (charge rate)	ϕ		
Headlight/Taillight Ratings	ϕ		
Ign. Coil Min. Spark Gap/Pri. Res./Sec. Res.	6mm @ 500 rpm	0.6 Ω	6.0K Ω
Source Coil Res.	Brown-red: 500 Ω		
Pulse Coil Res.	White/red-Red: 85 Ω		
Point Gap/Spark Plug (type/gap)	ϕ /Champion N-59G/0.6mm		
Timing (advanced) (retarded)	1.2 \pm 0.15mm B.T.D.C.		

N/A = Information Not Available

ϕ = Does Not Apply To This Model

*Available from Yamaha Parts Distributors, Inc.