

YZ125E

1978 SERVICE DATA

MOTORCYCLE
M7-063

MODEL – IBM I.D. NUMBER	YZ125E – 2K6
Initial Engine Number/Frame Number	2K6-000101 / 2K6-000101
Basic Color(s)	Competition Yellow
ENGINE TYPE	2-stroke, 7-port, single, reed valve, air-cooled
Bore/Stroke/Number Cylinders/Displacement (cc)	56mm / 50mm / 1 / 123cc
Compression Ratio/Compression Pressure min.~ max.	7.4:1 / N/A
Piston Skirt Clearance new/max.	0.045 ~ 0.050mm / 0.1mm
Ring End Gap top/2nd/3rd	0.3 ~ 0.5mm / same / ϕ
Valve Clearance (cold) Intake/Exhaust	ϕ
Oil Pressure hot/rpm	ϕ
Oil Tank or Engine Sump Capacity	Premix 20:1 Yamalube R* & Premium Gasoline
AUTOLUBE – Min. stroke/Color code	ϕ
Minimum Output @ 200 cycles	ϕ
Maximum Output @ 200 cycles	ϕ
CARBURETOR – mfr./type/I.D. number	Mikuni / VM32SS / 2K600
Main Jet/Pilot Jet	280 / 60
Needle Jet/Jet Needle-Clip Position	P-8 / 6F22-3
Slide Cutaway or Throttle Valve	2.0
Float Height	36.5 \pm 1mm
Mixture Screw – turns out/idle rpm	1 $\frac{1}{2}$ / ϕ
SUSPENSION	
Front Forks: Oil type/level/qty	15wt Fork Oil* / ϕ / 283cc
Gas Pressure	1.0 kg/cm ² (14psi)
Spring Length std	513mm
Monoshock: Oil type/qty	ϕ
Gas Pressure	15 kg/cm ² (213psi)
TRANSMISSION – oil type/qty chg/qty reassemble	SAE20W40 (Yamalube 4*) / 650cc / 650cc
Primary drive type	Helical Gear
Secondary type/teeth/chain	Chain / 71-22 / DID520TR - 104L
Clutch Friction Plate Thickness std ~ min.	3.0 ~ 2.7mm
Clutch Spring Length std ~ min.	36.0 ~ 35.0mm
Tires size (nominal pressure)	Front: 3.00-21 (13psi) Rear: 4.10-18 (14psi)
ELECTRICAL – System/Type	CDI Inner Rotor
Maximum Output	ϕ
Field Coil Color Code/ Ω	ϕ
Charging Coil Color Code/ Ω	low speed: Brn ~ Red / 500 Ω \pm 15%
Source Coil Color Code/ Ω	ϕ
Lighting Coil Color Code/ Ω	ϕ
Pulse Coil or Pickup Coil Color Code/ Ω	Wht-Red ~ Red / 85 Ω \pm 15%
Ignition Coil test gap Primary Ω / Secondary Ω	6mm / 0.6 Ω \pm 10% / 6.0K Ω \pm 20%
Battery–model/spec. grav./chg rate x hour	ϕ
Headlight/Taillight/Signal Rating	ϕ
Point Gap/Condenser Capacitance	ϕ / ϕ
Spark Plug Type	Champion N-59G
Spark Plug Gap/Torque/Cap Ω	0.7mm (0.03 in.) / 2.0 m·kg / 0 Ω
Timing Static	1.2mm BTDC
Dynamic	ϕ

ϕ = Does Not Apply To This Model

* Available from Yamaha Parts Distributors, Inc.