

# YZ400E

## 1978 SERVICE DATA

<b>MODEL – IBM I.D. NUMBER</b>	YZ400E – 2K8
Initial Engine Number/Frame Number	2K8-000101 / 2K8-000101
Basic Color(s)	Competition Yellow
<b>ENGINE TYPE</b>	2-stroke, air-cooled, reed valve
Bore/Stroke/Number Cylinders/Displacement (cc)	85mm / 70mm / 1 / 397cc
Compression Ratio/Compression Pressure min.~max.	7.6:1 / N/A
Piston Skirt Clearance new/max.	.055 ~ .060mm / 0.1mm
Ring End Gap top/2nd/3rd	0.3 ~ 0.5mm / same / $\phi$
Valve Clearance (cold) Intake/Exhaust	$\phi$
Oil Pressure hot/rpm	$\phi$
Oil Tank or Engine Sump Capacity	Premix 20:1 Yamalube R* & Premium Gasoline
<b>AUTOLUBE – Min. stroke/Color code</b>	$\phi$
Minimum Output @ 200 strokes	$\phi$
Maximum Output @ 200 strokes	$\phi$
<b>CARBURETOR – mfr./type/I.D. number</b>	Mikuni / VM38SS / 1W400
Main Jet/Pilot Jet	370 / 60
Needle Jet/Jet Needle-Clip Position	Q-0 / 6F16-3
Slide Cutaway or Throttle Valve	3.0
Float Level	18 $\pm$ 1mm
Mixture Screw – turns out/idle rpm	1½ / $\phi$
<b>SUSPENSION</b>	
Front Forks: Oil type/level/qty	15wt Fork Oil* / $\phi$ / 338cc
Gas Pressure	$\phi$
Spring Length std	502mm
Monoshock: Oil type/qty	$\phi$
Gas Pressure	15 kg/cm <sup>2</sup> (213 psi) Nitrogen
<b>TRANSMISSION – oil type/qty chg/qty reassemble</b>	SAE20W40 (Yamalube 4*) 1100cc / 1200cc
Primary drive type	Helical Gear
Secondary type/teeth/chain	Chain / 50-14 / DID520TR-108L
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 (12psi) Rear: 4.50-18 (14psi)
<b>ELECTRICAL – System/Type</b>	External Rotor CDI
Maximum Output	N/A
Field Coil Color Code/ $\Omega$	$\phi$
Charging Coil Color Code/ $\Omega$	$\phi$
Source Coil Color Code/ $\Omega$	Brn ~ Blk / 174 $\Omega$ $\pm$ 10%
Lighting Coil Color Code/ $\Omega$	$\phi$
Pulse Coil or Pickup Coil Color Code/ $\Omega$	Wht-Red ~ Blk / 3.4 $\Omega$ $\pm$ 10%
Ignition Coil test gap Primary $\Omega$ / Secondary $\Omega$	6mm / 1.0 $\Omega$ $\pm$ 10% / 5.9K $\Omega$ $\pm$ 20%
Battery—model/spec. grav./chg rate x hour	$\phi$
Headlight/Taillight/Signal Rating	$\phi$
Point Gap/Condenser Capacitance	$\phi$
Spark Plug Type	Champion N-3G
Spark Plug Gap/Torque/Cap $\Omega$	0.7mm / 2.0 m-kg / 0 $\Omega$
Timing Static	2.7mm BTDC
Dynamic	$\phi$

$\phi$  = Does Not Apply To This Model

\* Available from Yamaha Parts Distributors, Inc.