

YZ100



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# The 1977 YZ 100...Its the show

For beginning motocrossers, the YZ 100 is a good start. It's lightweight, it handles well, and best of all, it's built to win.

The polypropylene fenders and double-loop tubular steel frame are lightweight, yet durable. The frame and engine mounting create a low center of gravity for better steering characteristics. And the center-mount exhaust system creates a narrower profile for more control. It is routed out of the way under the padded

saddle for greater ground clearance.

The YZ 100 handles better because it is lightweight. The long-travel, heavy duty front forks and De Carbon Monocross Suspension provide comfort and stability.

The YZ 100 has a gutsy two-stroke single cylinder engine. The six-speed transmission helps keep the engine within the powerband. And Torque Induction delivers more pulling power,

especially in the mid range, where you need it.

The 1977 YZ 100. A gutsy motocrosser from beginning to winning.

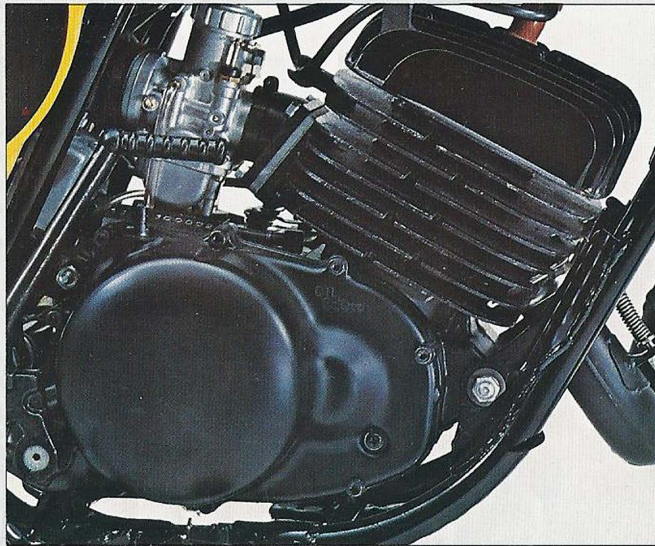
**When you know how they're built, you'll buy a Yamaha.**



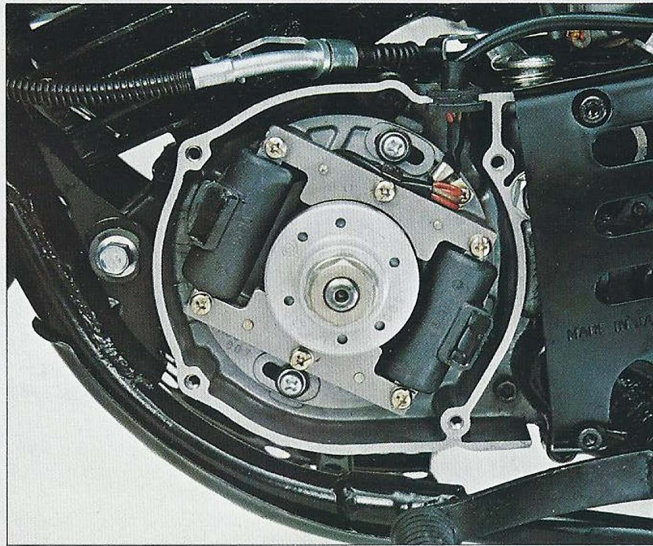
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# cut from beginner to winner.

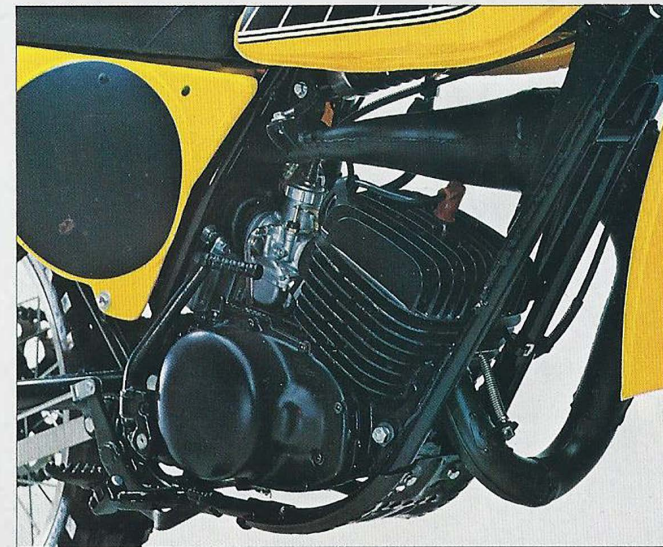
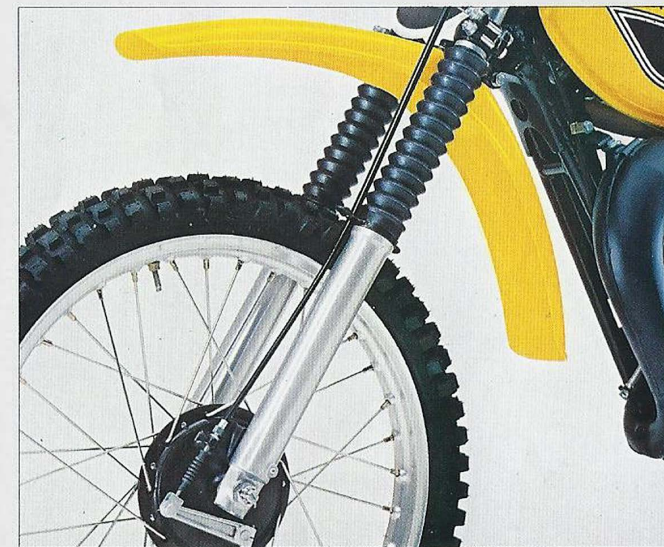
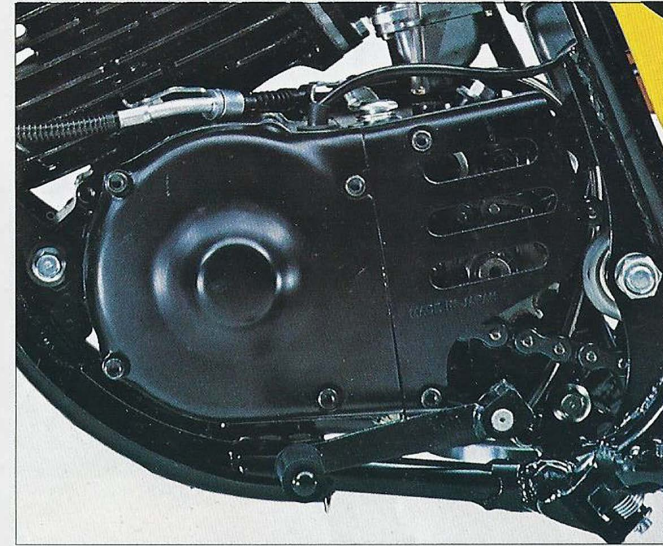
**Torque Induction**, a unique feature of Yamaha two-stroke single engines, utilizes reed valves system to prevent carburetor blowback. The result is more horsepower, particularly at low rpms.



**Capacitor Discharge Ignition System** produces a hotter, more efficient spark at all engine speeds and helps reduce spark plug fouling.



**Close-ratio six-speed transmission** allows the engine to run at its most efficient speed. The improved shifter allows quick, positive gear changes.



**De Carbon Monocross Suspension**, Yamaha's revolutionary suspension system, provides greater rear wheel travel for better control, more comfort and consistent traction over rough terrain.

**Heavy-duty front forks** are air-cushioned, with long travel for soaking up bumps. Alloy rims and conical front hubs reduce weight and the lightweight polypropylene fenders are virtually unbreakable.

**Center-mount exhaust system** is routed out of the way, under the padded saddle, for more protection from road obstacles. A tuned silencer reduces noise without affecting performance.

## YZ 100

### ENGINE



Type .....	2-stroke, single
Displacement .....	98 cc
Bore and Stroke .....	50 x 50 mm
Compression ratio .....	7.2 : 1
Maximum torque .....	9.3 ft.-lbs. @9,500 rpm
Carburetion.....	(1) Mikuni VM30SS
Ignition .....	C.D.I.
Starting .....	Kick
Lubrication .....	Premix (20 : 1)
Transmission .....	6-speed

### CHASSIS

Overall length .....	80.5"
Overall width .....	38.8"
Overall height .....	44.7"
Wheelbase .....	53.9"
Ground clearance .....	10.8"
Dry weight .....	190 lbs.
Fuel tank capacity .....	1.5 gals.
Suspension	
Front .....	Telescopic forks
Rear .....	Monocross suspension
Brakes	
Front .....	Drum
Rear .....	Drum
Tires	
Front .....	2.75 x 21
Rear .....	3.50 x 18
Color.....	Competition yellow

Specifications subject to change without notice.

Someday, you'll own a Yamaha.

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